



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 67

Entry Year 2015

Acreage: 1,916

County Iosco

Management Area: Wurtsmith

Revision Date: 07/22/2013

Stand Examiner: Patrick Mohney

Legal Description:

T24N R08E Sections 7, 8, 9 Oscoda Township

Identified Planning Goals:

To manage and maintain species and structural diversity, health, productivity, and sustainability throughout the compartment. We specifically need to address the declining oak stands throughout the compartment using different prescriptions. We also need to help maintain the Oak/Pine mixture without the influence of wildfires, which historically have influenced the cover types found in this compartment.

Soil and topography:

Well-drained sandy soils with relatively flat to rolling terrain.

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

The compartment is all state ownership except for a parcel of private in the SW1/4SE14. There is heavy ORV and snowmobile use. Designated trails and routes meander all through the compartment.

Unique Natural Features:

Eastern Massasauga Rattlesnake

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

None at this time.

Watershed and Fisheries Considerations:

The drainage for Coppler Creek starts in the SE of Section 9.

Wildlife Habitat Considerations:

To try and maintain the oak/pine matrix found in areas frequented by fire.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. Glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have a current economic use. Gravel pits are located two miles to the northeast and there may be potential. Exploration for oil and gas is limited in this area. The Antrim Shale formation was tested in Sections 7 and 10 without apparent success. The closest production is from the Antrim Shale 18 miles to the north. The compartment is not leased.

Vehicle Access:

Access in the compartment is adequate. It is bordered by improved dirt and 2-track roads. There are also 2-tracks, ORV routes, and trails intersecting the sections. No existing roads need to be closed at this time. All new roads created through management activities are to be closed upon completion.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are several designated ORV trails and routes, as well as a portion of the designated snowmobile trail system. Opportunities present themselves for deer and small game hunting as well.

Fire Protection:

Road access is adequate. The compartment does not contain high hazard cover types. The compartment is primarily oak containing a poor/open understory. A small component of this compartment is jack pine.

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 & Treatment Map

Compartment: 067
 T24N R08E Sec. 07, 08, 09
 County: Iosco
 Unit: Grayling
 YOE: 2015
 Acres: 1,916 GIS Calculated
 Examiner: Patrick Mohney
 Map Revised: 09/05/2013
 Map Phase: Pre-Review

Stand # **23** Stocking Density
(4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Legend

- Unclassified Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Oil
- Natural Gas
- Gas Condensate
- Gas Injection
- Gas Storage
- Liquefied Petroleum Gas Storage
- Gas Production and Brine Disposal
- Brine Disposal
- Dry Hole
- Water Injection
- Other Injection
- Observation
- Other
- Permitted Well Location
- Oil & Gas Wells Plugged Wells
- Oil & Gas Well Permit Numbers
- Stream
- Intermittent Stream
- Powerline
- Motorcycle (DNR Sticker)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Motorcycle Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- State Forest Land
- Lakes and Rivers

Treatments w/ Site Condition

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Prescribed Burn

Forest Stands

Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest

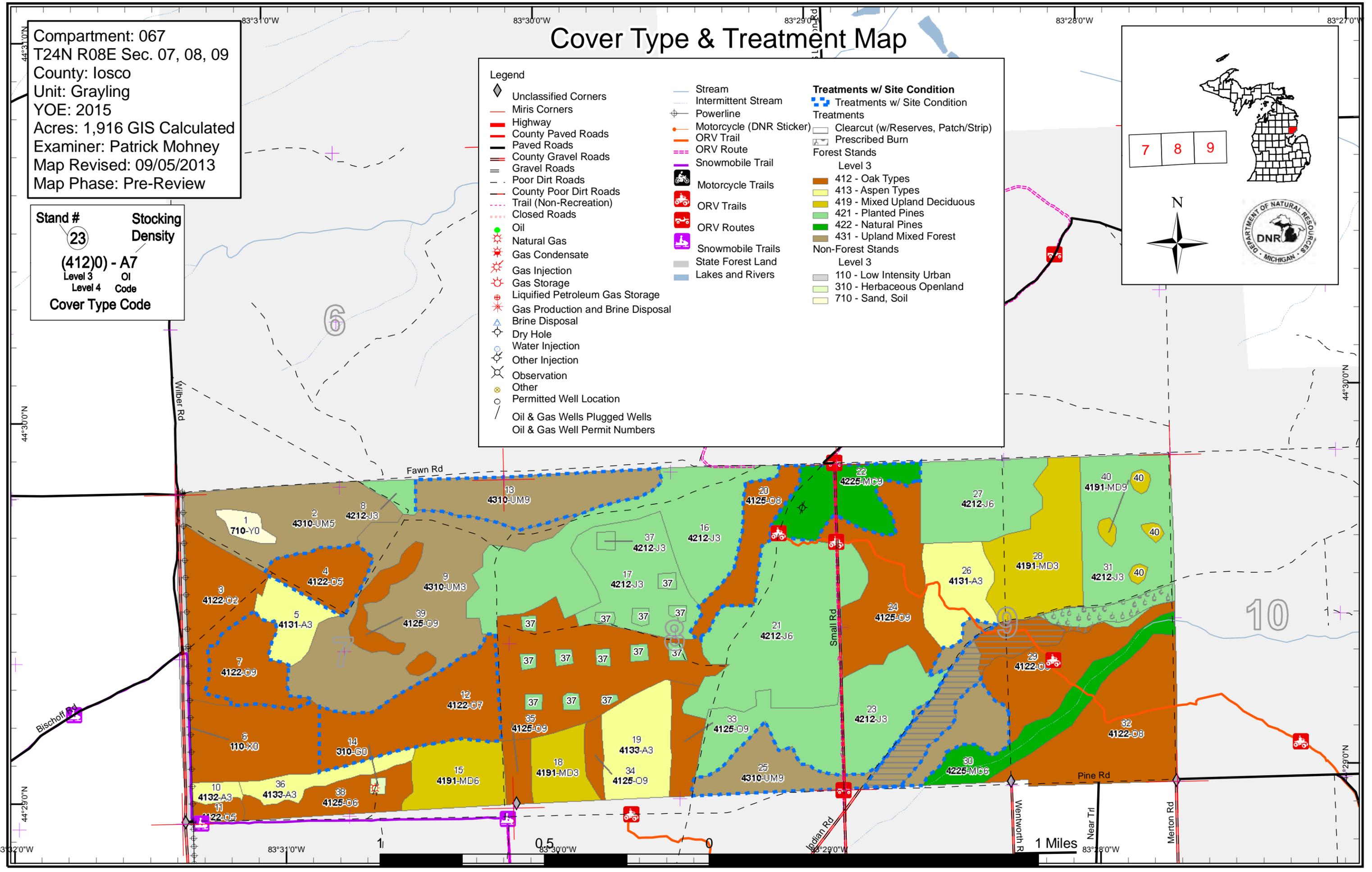
Non-Forest Stands

Level 3

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 710 - Sand, Soil

7 8 9

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Stand Boundary Map

Compartment: 067
 T24N R08E Sec. 07, 08, 09
 County: Iosco
 Unit: Grayling
 YOE: 2015
 Acres: 1,916 GIS Calculated
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 Map Revised: 09/05/2013
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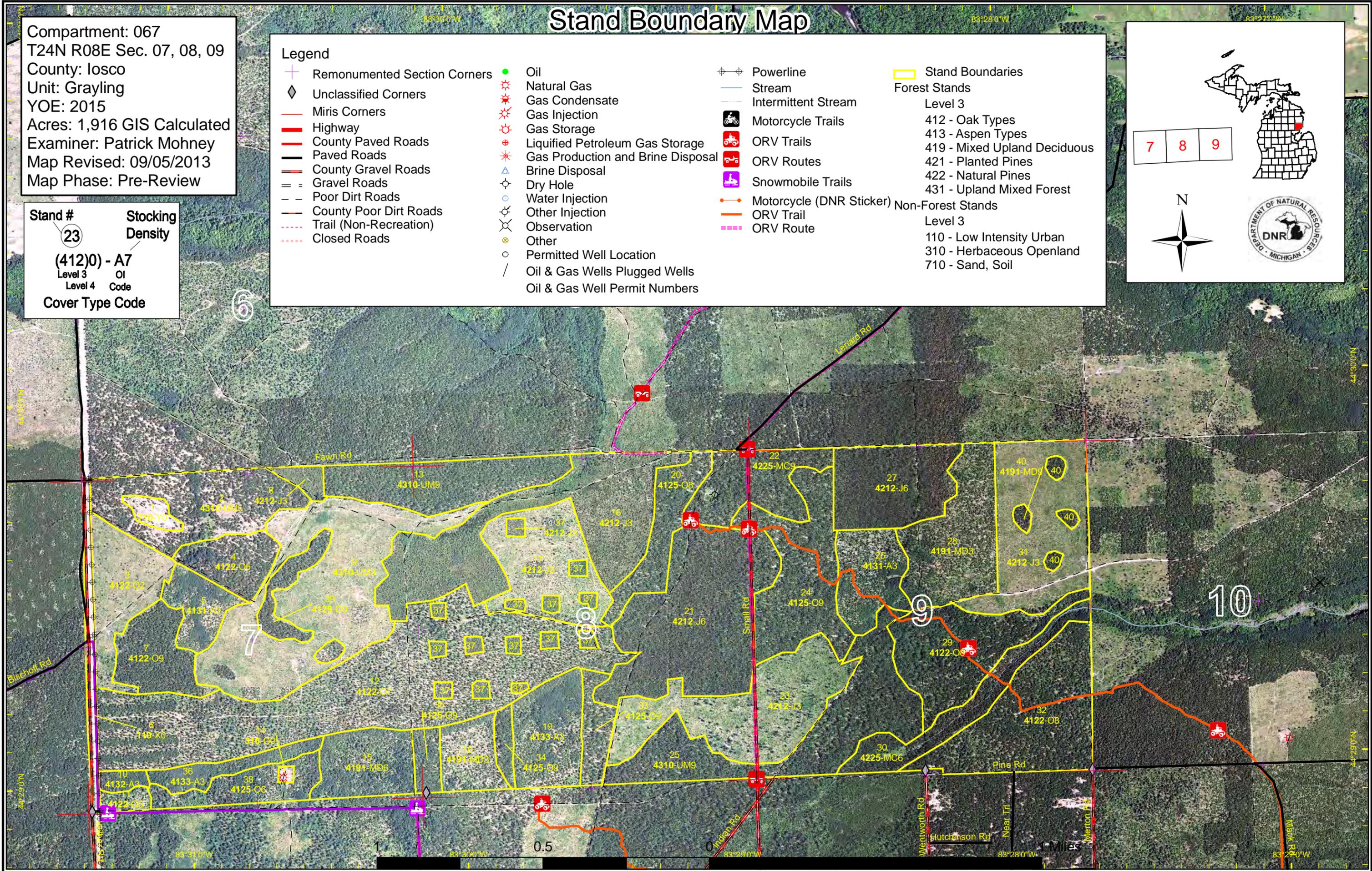
Legend

- | | | | | | | | |
|-------|------------------------------|---|-----------------------------------|-------|--------------------------|------------------------------|------------------|
| ✚ | Remonumented Section Corners | ● | Oil | ⚡ | Powerline | ▭ | Stand Boundaries |
| ◇ | Unclassified Corners | ☀ | Natural Gas | — | Stream | ▭ | Forest Stands |
| ✚ | Miris Corners | ☀ | Gas Condensate | - - - | Intermittent Stream | Level 3 | |
| — | Highway | ☀ | Gas Injection | 🏍 | Motorcycle Trails | 412 - Oak Types | |
| — | County Paved Roads | ☀ | Gas Storage | 🏍 | ORV Trails | 413 - Aspen Types | |
| — | Paved Roads | ☀ | Liquified Petroleum Gas Storage | 🏍 | ORV Routes | 419 - Mixed Upland Deciduous | |
| — | County Gravel Roads | ☀ | Gas Production and Brine Disposal | 🏍 | Snowmobile Trails | 421 - Planted Pines | |
| — | Gravel Roads | ⚡ | Brine Disposal | 🏍 | Motorcycle (DNR Sticker) | 422 - Natural Pines | |
| - - - | Poor Dirt Roads | ⚡ | Dry Hole | 🏍 | ORV Trail | 431 - Upland Mixed Forest | |
| — | County Poor Dirt Roads | ⚡ | Water Injection | 🏍 | ORV Route | Level 3 | |
| - - - | Trail (Non-Recreation) | ⚡ | Other Injection | | | 110 - Low Intensity Urban | |
| ⋯ | Closed Roads | ⚡ | Observation | | | 310 - Herbaceous Openland | |
| | | ⚡ | Other | | | 710 - Sand, Soil | |
| | | ○ | Permitted Well Location | | | | |
| | | / | Oil & Gas Wells Plugged Wells | | | | |
| | | | Oil & Gas Well Permit Numbers | | | | |

Stand # **23** Stocking Density
(4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

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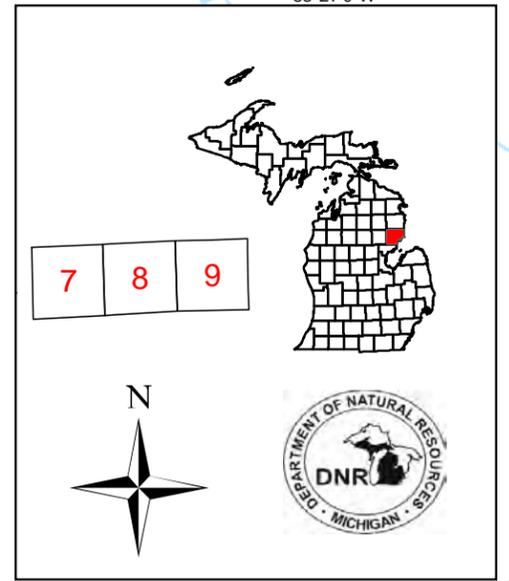


Special Conservation Areas & Site Conditions Map

Compartment: 067
 T24N R08E Sec. 07, 08, 09
 County: Iosco
 Unit: Grayling
 YOE: 2015
 Acres: 1,916 GIS Calculated
 Examiner: Patrick Mohney
 Map Revised: 09/05/2013
 Map Phase: Pre-Review

- Legend**
-  Remonumented Section Corners
 -  Miris Corners
 -  Stand Boundaries
 -  Dedicated Special Conservation Areas
 -  Cold Water Streams
 -  High Priority Trout Stream Buffer

Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



44°30'0"N

44°29'0"N

44°30'0"N

44°29'0"N

83°31'0"W

1

83°30'0"W

0.5

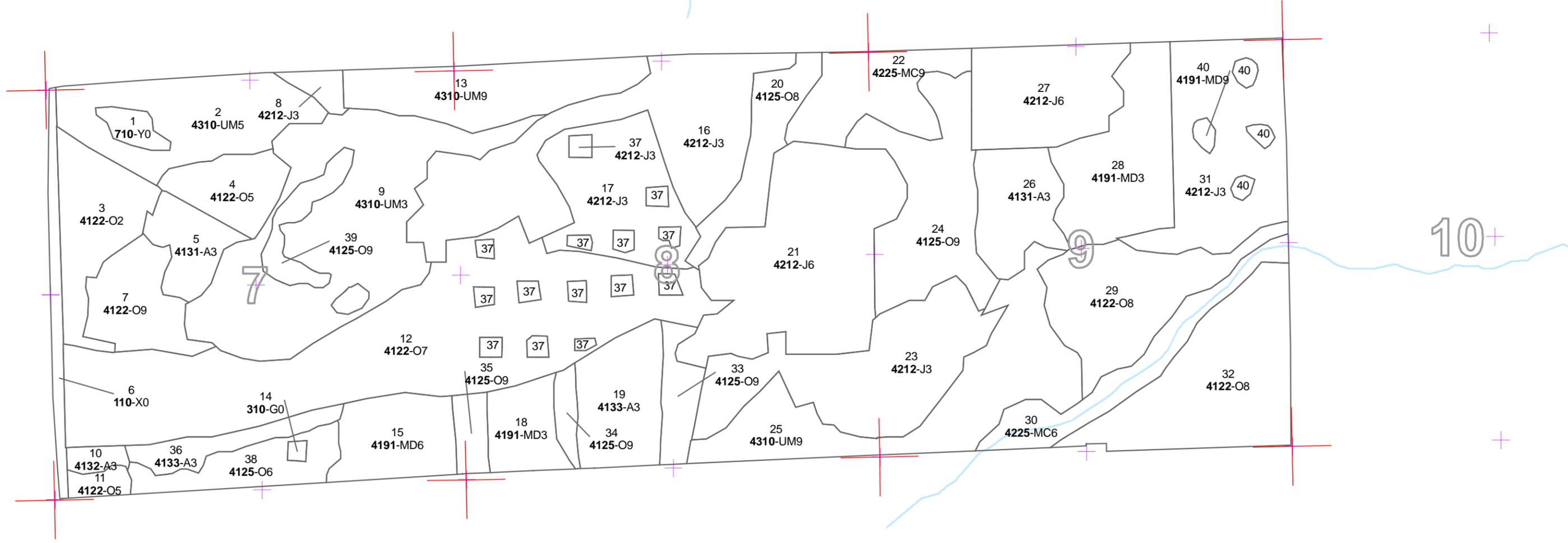
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83°29'0"W

83°28'0"W

1 Miles

83°27'0"W



Report 1 – Total Acres by Cover Type and Age Class



| | Age Class | | | | | | | | | | | | | Total | |
|------------------------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|----------|----------|----------|-------------|
| | 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 + | | Uneven Age |
| Aspen | 0 | 58 | 47 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 |
| Herbaceous Openland | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Jack Pine | 228 | 120 | 21 | 0 | 121 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 545 |
| Mixed Upland Deciduous | 0 | 0 | 87 | 36 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 130 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 43 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| Oak | 44 | 0 | 34 | 0 | 0 | 0 | 58 | 82 | 289 | 86 | 71 | 0 | 0 | 0 | 663 |
| Sand, Soil | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Upland Mixed Forest | 137 | 0 | 0 | 0 | 66 | 0 | 91 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 350 |
| Urban | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Total | 434 | 178 | 189 | 54 | 187 | 98 | 186 | 82 | 296 | 142 | 71 | 0 | 0 | 0 | 1916 |



Report 2 – Proposed Treatment Summaries

Grayling Mgt. Unit
Year of Entry 2015

Compartment 067
Total Compartment Acres: 1,916

Acres by Treatment Type

Commercial Harvest - 524 Tree Planting - 0 Other - 14
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

| | Clearcut | Selection | Seed Tree | Shelterwood | Thinning | Other - Specify | Total Acres |
|----------------------------|------------|-----------|-----------|-------------|----------|-----------------|-------------|
| | 42 | 0 | 0 | 0 | 0 | 0 | 42 |
| Natural Pines | 43 | 0 | 0 | 0 | 0 | 0 | 43 |
| Oak Types | 320 | 0 | 0 | 0 | 0 | 0 | 320 |
| Upland Mixed Forest | 120 | 0 | 0 | 0 | 0 | 0 | 120 |
| Total | 524 | 0 | 0 | 0 | 0 | 0 | 524 |



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|

| | | | | | | | | | |
|-----------------|------|--|--|--|--|---------|----------|--------------------------------|---------------|
| 72067_fuelbreak | 42.4 | | | | | Harvest | Clearcut | 3105 - Mixed Upland Herbaceous | Fld. Tr. Bdy. |
|-----------------|------|--|--|--|--|---------|----------|--------------------------------|---------------|

Prescription By approved variance, final harvest in order to facilitate creation of the Indian Road Fuel Break as outlined in the Federal Hazardous Fuels Reduction grant plan. The plan allows for the maintenance of limited residual tree cover, provided that the cover does not impact the fuel break's effectiveness.

Other
Comments:

Next Periodic opening maintenance as needed in order to maintain a functional fuel break. Initial post-harvest maintenance is likely to include prescribed burning and/or brush-hogging.

Proposed
Start Date: 10/01/2012

| | | | | | | | | | |
|-----------------|------|--|--|--|--|-----------------|-------------|--------------------------------|----------------------------|
| 72067_OYOE_burn | 13.5 | | | | | Prescribed Burn | Unspecified | 3105 - Mixed Upland Herbaceous | Fld. Tr. Bdy. - Incomplete |
|-----------------|------|--|--|--|--|-----------------|-------------|--------------------------------|----------------------------|

Prescription By approved variance, prescribed burn and/or brush hog in order to facilitate creation of the Indian Road Fuel Break as outlined in the Federal Hazardous Fuels Reduction grant plan. The plan allows for the maintenance of limited residual tree cover, provided that the cover does not impact the fuel break's effectiveness.

Other
Comments:

Next Periodic opening maintenance as needed in order to maintain a functional fuel break.

Proposed
Start Date: 10/01/2012

**Total Treatment
Acreage Proposed: 55.9**



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|

#Type! #Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Grayling Mgt. Unit

Patrick Mohney : Examiner

Compartment 067

Year of Entry 2015

Availability for Management

| Total Acres | Acres | | Dominant Site Conditions | No | 1A |
|----------------|-----------|---------------|-------------------------------|-----|-------|
| | Available | Not Available | | | |
| 123 | 35 | 87 | Aspen | 35 | 87 |
| 545 | 192 | 353 | Jack Pine | 192 | 353 |
| 130 | 71 | 60 | Mixed Upland Deciduous | 71 | 60 |
| 80 | 60 | 20 | Natural Mixed Pines | 60 | 20 |
| 663 | 219 | 445 | Oak | 219 | 445 |
| 350 | 60 | 290 | Upland Mixed Forest | 60 | 290 |
| 1,891 | 636 | 1,255 | Total Forested Acres | 636 | 1,255 |
| | 34% | 66% | 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 Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|----------------------------|-----------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| 001 | Not Available | 1A: Federal/State/Local Law | 1,280 | | | | |
| Comments: | | | | | | | |



Report 6 – 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 7 – 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 | 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. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|-------------------------|-------|--------------|-------------|---|
| 2 | 4310 - Pine, Oak Mix | Medium Density Pole | 65.6 | 40 | 1-50 | PVCD Soils. This stand is very sparse. It has some patches of jack pine throughout, nothing quite merchantable at this time. There is also some oak in places. Also fairly small sized. Center of stand is somewhat open. There is a high amount of ORV use in this stand at this time. |
| 3 | 4122 - Oak, Pine | Medium Density | 43.9 | 5 | | PVCD Soil. Stand November 2007 T-Sale #72-054-05-01. Old Range Jack. Young jack pine and oak. JP is patchy, oak regen is filling in the gaps nicely. Some larger white pine mixed within. |
| 4 | 4122 - Oak, Pine | Medium Density Pole | 26.4 | 60 | 1-50 | PVCD soils. Mostly oak and jack pine, has some aspen. Good access to stand. Aspen is looking shabby, |
| 5 | 4131 - Aspen, Oak | High Density Sapling | 22.4 | 16 | | stand cut in 1997 #024-95-01. Regenerating nicely to aspen oak mix with some pine mixed in throughout. Stand is PVCD soils. |
| 7 | 4122 - Oak, Pine | High Density Log | 34.2 | 89 | 51-80 | PVCD Soils. This stand is mostly older oak. It is beginning to decline a bit and show its age. |
| 8 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 6.5 | 11 | | PVCD Soil. seeded in 2002 FTP#C72-420. Stand has decent aspen and jack pine growth. Some oak mixed within. |
| 9 | 4310 - Pine, Oak Mix | High Density Sapling | 137.5 | 5 | | STAND HARVESTED EARLY 2007. TS-720580501 "TWO OWLS OAK". FTP#C72-559 jack pine planted around stump sprout and natural regen. Jack pine is coming in nicely. Oak is growing very well. Large island which was retention has not had much blowdown. Still looking good. |
| 10 | 4132 - Aspen, Jack Pine | High Density Sapling | 5.5 | 27 | | PVCD Soils. Stand was an old fuelwood sale. Has comeback to mostly aspen oak and some pine mixed in. Seems to be growing well. |
| 11 | 4122 - Oak, Pine | Medium Density Pole | 6.2 | 27 | 1-50 | PVCD Soils in whole stand. Small stand with mix of pine and oak. Oak is sort of scrubby but has a large amount of it. Pine is filling in nicely. |
| 12 | 4122 - Oak, Pine | Low Density Log | 220.7 | 85 | 1-50 | PARVHA/PARVBB SOILS. SALE#720020501 "GIANT SQUID OAK". Stand was shelterwooded in 2005. Stand was also previously 5-spotted. Stand has excellent oak regeneration. Remaining oak is struggling. |
| 13 | 4310 - Pine, Oak Mix | High Density Log | 55.7 | 90 | 81-110 | PVCD Soils. Stand is mostly large diameter oak. Stand is 90 years old and beginning to show its age. There are some large older jack pine mixed in as well. Some oak is dying out, while others are starting to decline. Stand has steep a steep slope. |
| 15 | 4191 - Mixed Upland Deciduous with Conifer | High Density Pole | 36.3 | 36 | 1-50 | Stand is mostly PVCD, some PARVHAA. Stand is quite variable. Approx 30-50 BA throughout stand. Has scattered pine throughout stand. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 16 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 113.7 | 14 | | Most of stand is PVCD. Two-lump jack pine #052-95-01 cut in 1998/1999. FTP #C72-420 Seeded in 2002. 140 acres was planted under FTP C72-420 in may 2004. Jack pine is doing well. Lots of oak growing within. Tough to walk through. |
| 17 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 55.9 | 8 | | PARVHA. STAND HARVESTED EARLY 2007. TS-720580501 "TWO OWLS OAK". FTP#C72-559 jack pine planted around stump sprout and natural regen. Stand was final harvested and planted to jack pine. Objective is oak/jack pine. Stand is growing well. Stand has 5 spot patches within. |
| 18 | 4191 - Mixed Upland Deciduous with Conifer | High Density Sapling | 23.6 | 23 | | PARVHA. This is a young aspen stand, excellent regeneration, very thick. Has filled in nicely. There is some oak mixed in that is also growing well along side of the aspen. t. |
| 19 | 4133 - Aspen, Mixed Pine | High Density Sapling | 41.6 | 23 | | PARVHA Stand was cut in 1986 according to old OI. aspen/Oak is regenerating nicely. Has some small aspen in northern part of stand, oak is filling in with it. |
| 20 | 4125 - Black, N. Pin Oak | Medium Density Log | 31.2 | 68 | 1-50 | PVCD. Oak is old and declining. Stand is pretty open throughout. Pine is not merchantable at this time. Cut oak and leave pine. Let oak regenerate naturally. |
| 21 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Pole | 121.0 | 41 | 1-50 | PVCD Jack pine stand that is just reaching pole sized. Fair amount of oak mixed in the stand. Aspen is dying out. Oak seems to still be hanging on. |
| 22 | 42250 - Pine, Oak | High Density Log | 42.9 | 55 | 1-50 | PVCD. Oak is dying out of stand. Jack Pine is growing well. Stand is pretty open. |
| 23 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 88.2 | 8 | | PVCD. Timbersale #72-055-05-01 Indian Oak. Stand oak has regenerated fairly well. Lots of oak coming in nicely. |
| 24 | 4125 - Black, N. Pin Oak | High Density Log | 70.9 | 100 | 1-50 | PVCD. Nice mixed stand. Oak is fair but starting to show its age. Some of it has epicormic branching. Some aspen is mixed in the stand. Stand is fully stocked at this time. |
| 25 | 4310 - Pine, Oak Mix | High Density Log | 91.1 | 62 | 51-80 | PVCD soils throughout the stand. Jack Pine is getting old and showing its age. There is a small amount of aspen of mixed in stand. Decent oak in the understory. |
| 26 | 4131 - Aspen, Oak | High Density Sapling | 35.4 | 10 | | PVCD. Stand is starting to fill in. Previous inventory said regen was spotty. It has since filled in fairly well. There are still a few areas that are kind of open. Some oak coming in the understory. |
| 27 | 42120 - Planted Jack Pine | High Density Pole | 54.8 | 54 | 1-50 | PVCD. Stand just reaching pole sized. Jack pine is growing fairly well. Oak is coming in underneath though somewhat spotty and patchy. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|-------------------------|-------|--------------|-------------|--|
| 28 | 4191 - Mixed Upland Deciduous with Conifer | High Density Sapling | 63.1 | 27 | | Stand is approaching pole sized stand. Previous inventory said it was cut in 1986. Has filled in nicely and has a lot of decent oak growth in stand. PVCD soils, in this stand. Oak is poor quality but there is a lot of it. Fair amount of JP as well. |
| 29 | 4122 - Oak, Pine | Medium Density Log | 64.1 | 70 | 1-50 | majority of stand is PVCD soils. Was thinned in 95-97, sale T-sale# 018-95-01. All pine and aspen were removed. Regen is responding well. Small oak is quite vigorous, larger oak seems healthy. |
| 30 | 42250 - Pine, Oak | High Density Pole | 37.6 | 68 | 51-80 | PARVHA/PARVBB soils, Stand has Coppler Creek running through it. has old jack pine and some oak throughout stand. |
| 31 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 83.6 | 5 | | T-SALE # 720560501 "Diamond Island Oak" -- 4 retention islands left in stand. Young Jack Pine Plantation, Oak is filling in nicely with the jack pine. |
| 32 | 4122 - Oak, Pine | Medium Density Log | 86.0 | 90 | 51-80 | PVCD Soils. T-sale# 018-95-01 cut in 95-97, pine and aspen were removed. Mostly large oak that is declining is left. Some is starting to show fungal growth on the bark. ORV trail passes through stand, has decent oak regeneration in the understory. |
| 33 | 4125 - Black, N. Pin Oak | High Density Log | 16.6 | 85 | 81-110 | PARVHA Park like setting, almost pure oak stand. Scattered pine throughout. A few aspen were present. Oak is showing its age. |
| 34 | 4125 - Black, N. Pin Oak | High Density Log | 7.4 | 85 | 51-80 | PARVHA. Log sized stand of primarily oak. As you move north red pine becomes more numerous. Fairly park like underneath with a fair amount of advanced oak regen. JP is present just not in ba swings. |
| 35 | 4125 - Black, N. Pin Oak | High Density Log | 10.0 | 85 | 1-50 | Stand is mostly PVCD, some PARVHAA. Stand is mostly oak. Looks to have been thinned within the last 20 years or so. No records that I could come across. Approx 30-50 BA throughout stand. Has scattered pine throughout stand as well and white pine. |
| 36 | 4133 - Aspen, Mixed Pine | High Density Sapling | 17.7 | 31 | | Stand is mostly PVCD, some PARVHAA. Young stand of regenerating aspen and oak. Stand is about half aspen and half oak. Border line pole sized or large sapling. Vein of log sized oak extending down from stand to the north. Flat to moderate terrain. |
| 37 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 21.0 | 20 | | PARVHA/PARVBB SOILS. Five spot cuts that were trenched and planted to jack pine. Oak has grown up with the jack pine and these small stands are extremely thick. |
| 38 | 4125 - Black, N. Pin Oak | High Density Pole | 27.7 | 28 | 1-50 | Stand is mostly PVCD, some PARVHAA. Pole/Sapling sized oak with a residual overstory of red pine possibly left from previous harvest. One pocket of log sized oak left in the center. |
| 39 | 4125 - Black, N. Pin Oak | High Density Log | 18.1 | 79 | 111-140 | Retention island from TS-720580501 "TWO OWLS OAK". Has not had much blowdown. Still looking good. Needs to be retained for retention purposes. |

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Grayling Mgt. Unit

Report 8 – Forested Stands

Compartment: 067
Year of Entry: 2015



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|------------------|-------|-----------|----------|---|
| 40 | 4191 - Mixed Upland Deciduous with Conifer | High Density Log | 7.4 | 85 | 81-110 | T-SALE # 720560501 "Diamond Island Oak" -- 4 retention islands left in a clear cut stand. Multi part polygon. |



| Stand | Cover Type | Acres | Managed Site | Management Priority (Objective) | General Comments: |
|-------|--------------------------|-------|--------------|---------------------------------|---|
| 1 | 710 - Sand, Soil | 7.2 | No | Unspecified | This is a sand pit that is being used as a scramble area for ORV's. |
| 6 | 11 - Low Intensity Urban | 16.1 | Unspecified | Unspecified | |
| 14 | 3102 - Grass | 1.4 | No | Unspecified | looks to be an old well site. No longer active as there is no evidence of oil and gas activity there. |