



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32248

Entry Year 2018

Acreage: 964

County Marquette

Management Area: Chain Lakes Moraine

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**Revision Date:** 2016-08-09

**Stand Examiner:** Rick Hill

**Legal Description:**

T46N, R27W, Sec. 25 & 36

**Identified Planning Goals:**

Vegetative management in the Chain Lake management area will provide a variety of forest products; maintain or enhance wildlife habitat; protect areas with unique characteristics; and provide for forest based recreational uses. Timber management objectives for the 10-year planning period include improving the age-class distribution of aspen, lowland conifer and lowland spruce/fir; maintaining the conifer component in northern hardwood stands; maintaining the presence of minor cover types on the landscape; and maintaining non-forest vegetation types. Wildlife management objectives include increasing diversity and long-term oak sustainability through under planting white and red pine; and to maintain or increase wildlife corridors especially along riparian areas. Management activities may be constrained by site conditions and the skewed age-class distributions. Balancing age classes and oak regeneration will be priority issues in this 10-year planning period.

**Soil and topography:**

Topography ranges from relatively level creek bottoms, swamp conifer, tag alder, and bog/ marshlands, to upland which is only rolling to slightly hilly.

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

State ownership here is generally well blocked in with other State lands except on the north and northeast sides where relatively small private forest holdings occur, mostly non-industrial private owners with recreational objectives. Development is very limited with a few seasonal cottages or hunting camps widely distributed.

**Unique Natural Features:**

The Middle Branch of the Escanaba River touching the northeast corner of the compartment, the Floppers Creek, and other small tributary creeks make up the unique natural features here.

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

There are none known.

**Special Management Designations or Considerations:**

There are none known.

**Watershed and Fisheries Considerations:**

: This compartment contains Flopper Creek and an unnamed tributary, both of which are Type 1 designated trout streams less than 50' width. Both waterbodies serve as tributaries to the Middle Branch of the Escanaba River. Flopper Creek contains Brook Trout, various Dace species and Slimy Sculpin. A 300' buffer is recommended for Flopper Creek and the unnamed tributary in riparian areas adjacent to stands which include Aspen. For all other riparian areas, Best Management Practices should be followed to reduce erosion into waterbodies.

**Wildlife Habitat Considerations:**

Compartment 248 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

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

Surface sediments are thin to discontinuous in places and consist of glacial outwash sand and gravel, postglacial alluvium, and coarse-textured till. The glacial drift thickness varies between 20 and 100 feet (thinning to the northeast). Archean granite/gneiss subcrops below the glacial drift. This rock could be used as dimension stone. Gravel pits are not located in the area, but there appears to be some potential within the compartment. The Tilden iron mine is located six miles to the north (the tailings ponds are just two miles north). There is no iron ore potential in this area, but sections 34 and 35 were previously leased in the 1980s for metallic mineral exploration and development. There is no economic oil and gas production in the UP.

## **Vehicle Access:**

Co.Rd. 565 to the east provides primary access whereby tributary roads such as the Dept. maintained Hawkins Pond Road leads into and through the compartment. Other generally narrow, poor dirt, two track roads also provide access to the interior of the compartment. Most of these are in need of gravel and upgrading when budgets allow. The Dept. maintained Hemmings Lake Road provides access to that part of the compartment lying south of the Floppers Creek.

## **Survey Needs:**

None at this time.

## **Recreational Facilities and Opportunities:**

Only low key recreational opportunities for activities such as hunting, trapping, snowmobiling, mushroom & berry picking, etc. exist in this compartment.

## **Fire Protection:**

There is decent road access to this compartment. Aspen, red pine and jack pine are the primary cover types here, making large fire growth possible Though the risk here is lower then in other areas of the county.

## **Additional Compartment Information:**

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

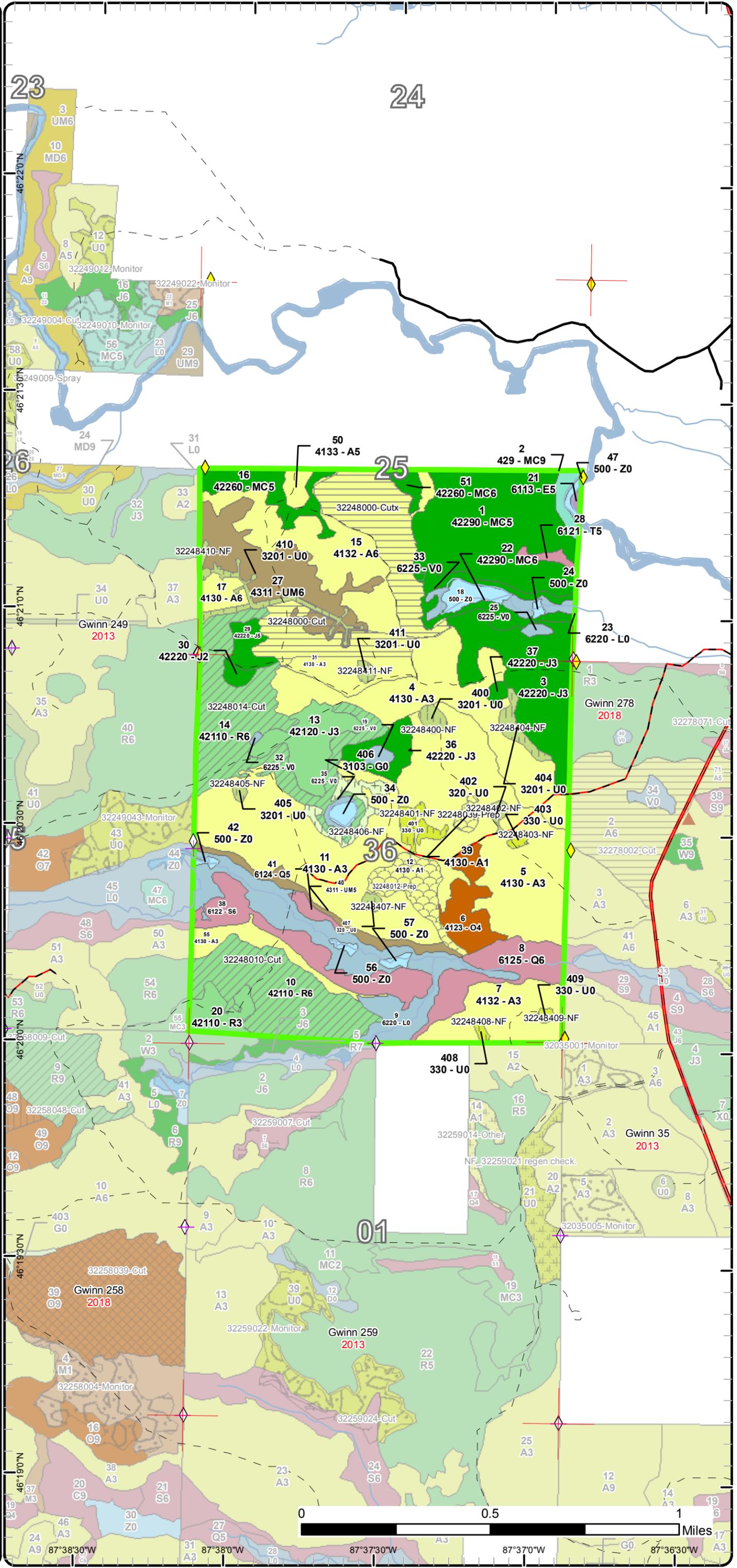
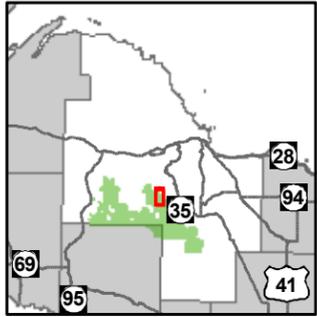
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

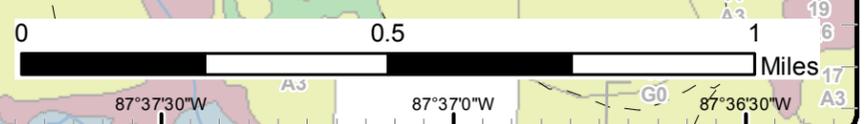
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 248  
 T45N, R27W, Sec. 25, 36  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Chain Lakes Moraine  
 YOE: 2018  
 Acres: 963.9 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 2/8/2017  
 Map Phase: Post-Review

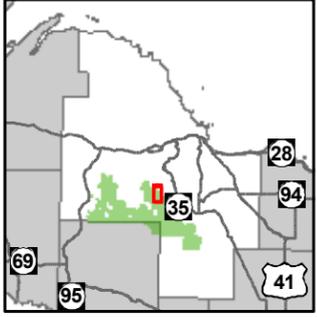


- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- ▲ Berms
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Rivers
- ▭ Compartment Boundary
- ▭ Site Prep
- ▭ Clearcut (w/Reserves)
- ▭ Opening Maintenance
- ▭ Thinning (Crown, Low, Systematic)
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

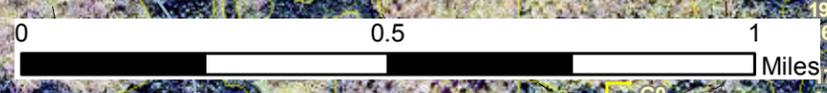
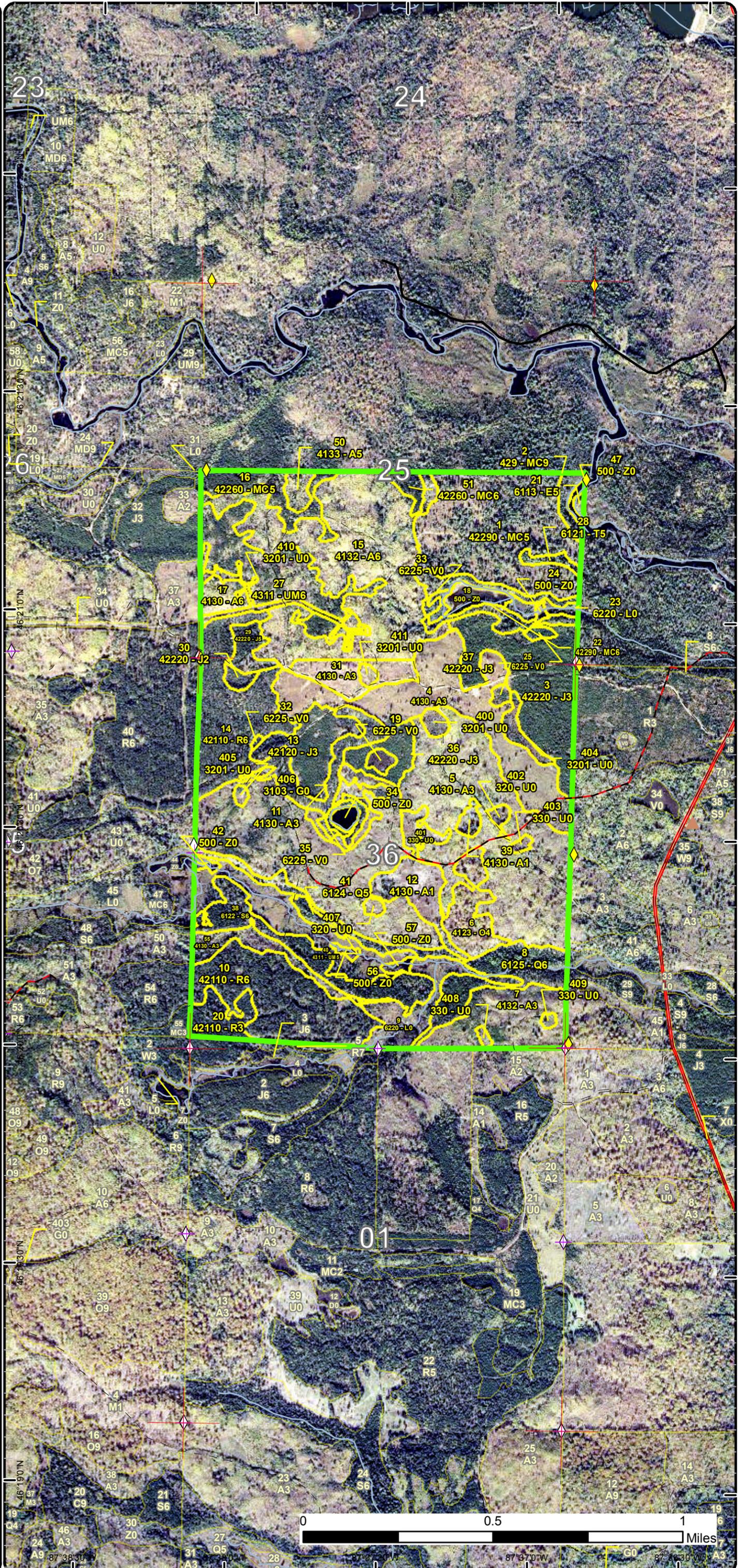


# Stand Boundary Map

Compartment: 248  
 T45N, R27W, Sec. 25, 36  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Chain Lakes Moraine  
 YOE: 2018  
 Acres: 963.9 GIS Calculated  
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 Map Revised: 2/8/2017  
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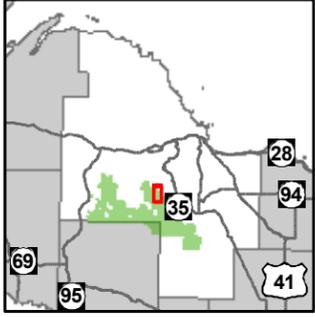


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- ▲ Berms
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Rivers
- ▭ Compartment Boundary
- ▭ Stand Boundaries
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
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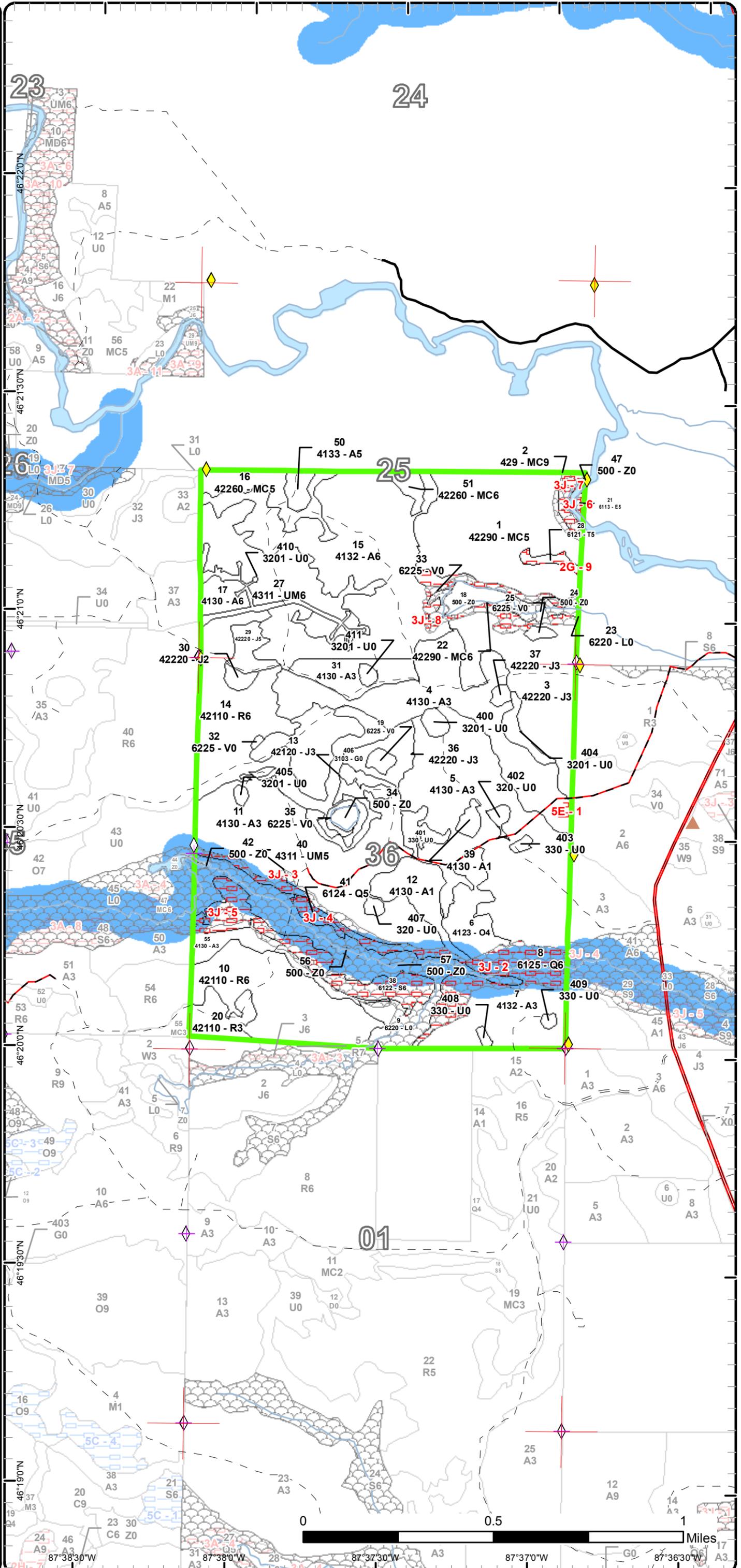


# Special Conservation Areas & Site Conditions Map

Compartment: 248  
 T45N, R27W, Sec. 25, 36  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Chain Lakes Moraine  
 YOE: 2018  
 Acres: 963.9 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 2/8/2017  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◆ Field Grade GPS Corners
- ▲ Berms
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Rivers
- ▭ Compartment Boundary
- ▭ Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



# Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment 248 Year of Entry 2018



## 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      |
|---------------------|------------|-----------|------------|------------|----------|------------|------------|----------|-----------|------------|-----------|----------|----------|----------|----------|----------|----------|-------------|------------|
| Aspen               | 0          | 78        | 141        | 95         | 0        | 112        | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 425        |
| Bog                 | 7          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 7          |
| Herbaceous Openland | 7          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 7          |
| Jack Pine           | 0          | 0         | 34         | 47         | 0        | 7          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 87         |
| Low-Density Trees   | 8          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 8          |
| Lowland Conifers    | 0          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 26         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 26         |
| Lowland Deciduous   | 0          | 0         | 0          | 0          | 0        | 0          | 0          | 1        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 1          |
| Lowland Shrub       | 51         | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 51         |
| Lowland Spruce/Fir  | 0          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 26        | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 26         |
| Natural Mixed Pines | 0          | 0         | 0          | 0          | 0        | 18         | 0          | 0        | 85        | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 103        |
| Oak                 | 0          | 0         | 0          | 0          | 0        | 0          | 0          | 16       | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 16         |
| Red Pine            | 0          | 0         | 0          | 11         | 0        | 0          | 108        | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 119        |
| Tamarack            | 0          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 3         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 3          |
| Upland Conifers     | 0          | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 4         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 4          |
| Upland Mixed Forest | 0          | 0         | 0          | 0          | 0        | 38         | 0          | 0        | 9         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 47         |
| Upland Shrub        | 20         | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 20         |
| Water               | 13         | 0         | 0          | 0          | 0        | 0          | 0          | 0        | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 13         |
| <b>Total</b>        | <b>106</b> | <b>78</b> | <b>175</b> | <b>153</b> | <b>0</b> | <b>175</b> | <b>108</b> | <b>1</b> | <b>16</b> | <b>127</b> | <b>26</b> | <b>0</b>    | <b>963</b> |



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Compartment 248

Year of Entry: 2018

Acres of Harvest

Total Compartment Acres: 964

Commercial Harvest - 170  
 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 |
|--------------|-----------|-----------|----------------|-----------|-------------|------------|-------------------|----------|----------|-------------|
| Aspen        | 62        | 0         | 0              | 0         | 0           | 0          | 0                 | 0        | 0        | 62          |
| Red Pine     | 0         | 0         | 0              | 0         | 0           | 108        | 0                 | 0        | 0        | 108         |
| <b>Total</b> | <b>62</b> | <b>0</b>  | <b>0</b>       | <b>0</b>  | <b>0</b>    | <b>108</b> | <b>0</b>          | <b>0</b> | <b>0</b> | <b>170</b>  |

### Proposed and Next Step Treatments by Method

|              | Harvest    | Site Prep | Planting  | Seeding  | Burning  | Pesticide | Monitoring | Other    | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|-----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current      | 170        | 17        | 0         | 0        | 0        | 0         | 0          | 32       | 0               | 219         |
| Next Step    | 0          | 25        | 42        | 0        | 0        | 27        | 121        | 0        | 0               | 215         |
| <b>Total</b> | <b>170</b> | <b>42</b> | <b>42</b> | <b>0</b> | <b>0</b> | <b>27</b> | <b>121</b> | <b>0</b> | <b>32</b>       | <b>434</b>  |



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType         | Size<br>Density    | Stand<br>Age | BA<br>Range     | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective     | Age<br>Structure | Approval<br>Status      |
|-----------------------|-------------------|-------|----------------------------|--------------------|--------------|-----------------|-------------------|---------------------|-----------------------------|------------------|-------------------------|
| 15                    | 32248000-Cut      | 24.7  | 4132 - Aspen, Jack<br>Pine | Poletimber<br>Well | 43           | Unspec<br>ified | Harvest           | Clearcut            | 42110 - Planted<br>Red Pine | Even-Aged        | Draft Field<br>Boundary |

**Habitat Cut: No****Site Condition:**

Prescription Stand should be clearcut without retention. red pine should be planted after the harvest.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial  
Treatments:

Acceptable Red pine, aspen

Regen:

Other Retain all Oak, Black Cherry (5% of stand) – Black Bear, Goshawk. White and red Pine retention will be good for red crossbill

Comment:

Proposed Start Date: 10/01/2017

|    |               |      |                            |                    |    |                 |         |                            |             |           |                         |
|----|---------------|------|----------------------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|
| 15 | 32248000-Cutx | 37.2 | 4132 - Aspen, Jack<br>Pine | Poletimber<br>Well | 43 | Unspec<br>ified | Harvest | Clearcut with<br>Retention | 413 - Aspen | Even-Aged | Draft Field<br>Boundary |
|----|---------------|------|----------------------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Cut all Species except do not cut white pine or red pine. Also leave all Oak and Cherry.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, fir, mixed hardwood, mixed conifer.

Regen:

Other Retain all Oak, Black Cherry (5% of stand) – Black Bear, Goshawk. White and red Pine retention will be good for red crossbill

Comment:

Proposed Start Date: 10/01/2017

|    |              |      |                             |                    |    |      |         |              |                            |           |                         |
|----|--------------|------|-----------------------------|--------------------|----|------|---------|--------------|----------------------------|-----------|-------------------------|
| 10 | 32248010-Cut | 48.1 | 42110 - Planted<br>Red Pine | Poletimber<br>Well | 54 | 1-50 | Harvest | Low Thinning | 4211 - Planted<br>Red Pine | Even-Aged | Draft Field<br>Boundary |
|----|--------------|------|-----------------------------|--------------------|----|------|---------|--------------|----------------------------|-----------|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Thin stand with a target BA of 100 sf focus on removing trees with defect and suppressed trees. Leave all oak, Remove red maple only if needed for operations.

Specs:Next StepTreatments:AcceptableRegen:

Other Some areas may have low BA and need to be left out.

Comment:

Retain all oak 2% - Mast production (Black Bear) and retain most if not all Red Maple (2%) – stand diversity and Raptor nest sites.

Proposed Start Date: 10/01/2017

|    |               |      |              |                 |   |          |          |           |                             |           |                         |
|----|---------------|------|--------------|-----------------|---|----------|----------|-----------|-----------------------------|-----------|-------------------------|
| 12 | 32248012-Prep | 14.5 | 4130 - Aspen | Sapling<br>Poor | 6 | Immature | SitePrep | Trenching | 4212 - Planted<br>Jack Pine | Even-Aged | Draft Field<br>Boundary |
|----|---------------|------|--------------|-----------------|---|----------|----------|-----------|-----------------------------|-----------|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Trench and plant jack pine per TMS spec. (32-774)

Specs:

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable jack pine

Regen:OtherComment:

Proposed Start Date: 10/01/2017



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType          | Size<br>Density   | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective    | Age<br>Structure | Approval<br>Status      |
|-----------------------|-------------------|-------|-----------------------------|-------------------|--------------|-------------|-------------------|---------------------|----------------------------|------------------|-------------------------|
| 14                    | 32248014-Cut      | 60.2  | 42110 - Planted<br>Red Pine | Poetimber<br>Well | 55           | 111-<br>140 | Harvest           | Crown Thinning      | 4211 - Planted<br>Red Pine | Even-Aged        | Draft Field<br>Boundary |

**Habitat Cut: No****Site Condition:**

Prescription Thin stand to 100 SF, mark poor and suppressed trees for removal. Leave all oak and birch when marking.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Retain all Oak, and Paper Birch (2% of stand) – Black Bear, pileated woodpecker

Comment:

Proposed Start Date: 10/01/2017

|    |                   |     |              |                 |   |              |          |           |                            |           |                         |
|----|-------------------|-----|--------------|-----------------|---|--------------|----------|-----------|----------------------------|-----------|-------------------------|
| 39 | 32248039-<br>Prep | 2.6 | 4130 - Aspen | Sapling<br>Poor | 6 | Immatu<br>re | SitePrep | Trenching | 4211 - Planted<br>Red Pine | Even-Aged | Draft Field<br>Boundary |
|----|-------------------|-----|--------------|-----------------|---|--------------|----------|-----------|----------------------------|-----------|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Trench and plant jack pine per TMS spec. (c32-774)

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant; Pesticide, Skidder/Mechanical

Treatments:

Acceptable Jack pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                   |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 400 | 32248400-NF | 2.7 | 3201 - Sweet Fern | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                            |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 401 | 32248401-NF | 5.0 | 330 - Low-Density<br>Trees | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density | Stand<br>Age | BA<br>Range     | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status      |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|---------------------|-------------------------|------------------|-------------------------|
| 402                   | 32248402-NF       | 1.7   | 320 - Upland Shrub | Nonstocked      |              | Unspec<br>ified | NonForestMgt      | Brush Cutting       | 3102 - Grass            |                  | Draft Field<br>Boundary |

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                            |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 403 | 32248403-NF | 1.0 | 330 - Low-Density<br>Trees | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                   |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 404 | 32248404-NF | 4.5 | 3201 - Sweet Fern | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                   |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 405 | 32248405-NF | 1.0 | 3201 - Sweet Fern | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density | Stand<br>Age | BA<br>Range     | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status      |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|---------------------|-------------------------|------------------|-------------------------|
| 406                   | 32248406-NF       | 6.7   | 3103 - Rubus-Fern  | Nonstocked      |              | Unspec<br>ified | NonForestMgt      | Brush Cutting       | 3102 - Grass            |                  | Draft Field<br>Boundary |

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                    |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|--------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 407 | 32248407-NF | 1.4 | 320 - Upland Shrub | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|--------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                            |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 408 | 32248408-NF | 0.9 | 330 - Low-Density<br>Trees | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|     |             |     |                            |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 409 | 32248409-NF | 0.9 | 330 - Low-Density<br>Trees | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|----------------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density | Stand<br>Age | BA<br>Range     | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status      |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|---------------------|-------------------------|------------------|-------------------------|
| 410                   | 32248410-NF       | 7.1   | 3201 - Sweet Fern  | Nonstocked      |              | Unspec<br>ified | NonForestMgt      | Brush Cutting       | 3102 - Grass            |                  | Draft Field<br>Boundary |

**Habitat Cut: No**                      **Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date:    10/01/2017

|     |             |     |                   |            |  |                 |              |               |              |  |                         |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|
| 411 | 32248411-NF | 1.4 | 3201 - Sweet Fern | Nonstocked |  | Unspec<br>ified | NonForestMgt | Brush Cutting | 3102 - Grass |  | Draft Field<br>Boundary |
|-----|-------------|-----|-------------------|------------|--|-----------------|--------------|---------------|--------------|--|-------------------------|

**Habitat Cut: No**                      **Site Condition:**

Prescription Maintain opening per wildlife spec.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date:    10/01/2017

**Total Treatment  
Acreage Proposed:    221.6**

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 248  
Year of Entry: 2018

### Availability for Management

| Total<br>Acres | Acres<br>Available | Acres Avail    |               | Dominant Site Conditions | 2G | 3J | 5E |
|----------------|--------------------|----------------|---------------|--------------------------|----|----|----|
|                |                    | With Condition | Not Available |                          |    |    |    |
| 426            | 425                | 0              | 2             | Aspen                    |    |    | 2  |
| 7              | 7                  | 0              | 0             | Bog                      |    |    |    |
| 7              | 7                  | 0              | 0             | Herbaceous Openland      |    |    |    |
| 87             | 87                 | 0              | 0             | Jack Pine                |    |    |    |
| 8              | 8                  | 0              | 0             | Low-Density Trees        |    |    |    |
| 26             | 0                  | 0              | 26            | Lowland Conifers         |    | 26 |    |
| 1              | 0                  | 0              | 1             | Lowland Deciduous        |    | 1  |    |
| 51             | 51                 | 0              | 0             | Lowland Shrub            |    |    |    |
| 26             | 0                  | 0              | 26            | Lowland Spruce/Fir       |    | 26 |    |
| 103            | 89                 | 0              | 14            | Natural Mixed Pines      |    | 14 |    |
| 16             | 16                 | 0              | 0             | Oak                      |    |    |    |
| 119            | 119                | 0              | 0             | Red Pine                 |    |    |    |
| 3              | 0                  | 0              | 3             | Tamarack                 | 3  |    |    |
| 4              | 0                  | 0              | 4             | Upland Conifers          |    | 4  |    |
| 47             | 38                 | 0              | 9             | Upland Mixed Forest      |    | 9  |    |
| 20             | 20                 | 0              | 0             | Upland Shrub             |    |    |    |
| 13             | 13                 | 0              | 0             | Water                    |    |    |    |
| 964            | 879                |                | 84            | Total Forested Acres     | 3  | 80 | 2  |
|                | 91%                |                | 9%            | 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                           | 2     | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b> |                                 |   |       |                      |                      |                      |                      |
| 2                | Unavailable                     | 3J: Water quality / BMPs (stream, river, or lake) | 23    | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b> |                                 |   |       |                      |                      |                      |                      |

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 248  
Year of Entry: 2018

|                  |                    |  |    |             |             |             |             |
|------------------|--------------------|--|----|-------------|-------------|-------------|-------------|
| 3                | <b>Unavailable</b> | 3J: Water quality / BMPs<br>(stream, river, or lake) | 9  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |  |    |             |             |             |             |
| 4                | <b>Unavailable</b> | 3J: Water quality / BMPs<br>(stream, river, or lake) | 3  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |  |    |             |             |             |             |
| 5                | <b>Unavailable</b> | 3J: Water quality / BMPs<br>(stream, river, or lake) | 26 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |  |    |             |             |             |             |
| 6                | <b>Unavailable</b> | 3J: Water quality / BMPs<br>(stream, river, or lake) | 1  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |  |    |             |             |             |             |
| 7                | <b>Unavailable</b> | 3J: Water quality / BMPs<br>(stream, river, or lake) | 4  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |  |    |             |             |             |             |
| 8                | <b>Unavailable</b> | 3J: Water quality / BMPs<br>(stream, river, or lake) | 14 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |  |    |             |             |             |             |

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 248  
Year of Entry: 2018

|                  |             |   |   |             |             |             |             |
|------------------|-------------|---|---|-------------|-------------|-------------|-------------|
| 9                | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |   |   |             |             |             |             |

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 |
|-----------------|--------------|-------------|----------------|-------|
| <b>Comments</b> |              |             |                |       |



## Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

| Conservation Area | Type              | Description  |
|-------------------|-------------------|--|
| SCA               | Cold Water Lake   | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.                          |
| SCA               | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.  |
| SCA               | Riparian Area     | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |



| Stand | Level 4 Cover Type                     | Size Density      | Acres | Stand Age | BA Range | General Comments:  |
|-------|--|-------------------|-------|-----------|----------|--|
| 1     | 42290 - Natural Mixed Pine             | Poletimber Medium | 70.9  | 80        | 1-50     | Harvested in 2011: TS#110-08-01. This stand is a natural origin stand that was harvested using a shelterwood system. Regeneration seems to coming back well naturally with rep pine, jack pine, aspen, red maple, and white pine coming back. Stocking is patchy with some areas having 100 square feet of white pine and others having no residual. This stand should be left for at least 10 years to allow the natural regeneration already present in these large gaps to become established.  |
| 2     | 429 - Mixed Upland Conifers            | Sawtimber Well    | 4.3   | 80        | 81-110   | This is a river buffer for the Escanaba river.   |
| 3     | 42220 - Natural Jack Pine              | Sapling Well      | 47.1  | 26        | Immature | Stand was commercially cut in summer of 1990 by Escanaba Paper Co., permit #02-88-01, "NE Herman Rd Sale". VanAlsacker from Northland was the jobber for Mead. FTP #C-31-232 was for disk trenching and planting jack pine was carried out. stand is now fully stocked.  |
| 4     | 4130 - Aspen                           | Sapling Well      | 61.4  | 6         | Immature | Harvested in 2011: TS#115-08-01. Left all oak, cherry, red & white pine, fir, and white spruce. Also we can designate to leave any potential or existing wildlife den trees which are typically large diameter aspen & birch with cavities or seams, multiple tops, dead or decayed wood, dead limbs or tops, large limbs/crotches for nesting sites, etc.   |
| 5     | 4130 - Aspen                           | Sapling Well      | 94.5  | 27        | Immature | Was commercially cut in Spring of 1989 by Escanaba Paper Co. (Marvin Nelson jobber), permit #01-88-01, "North Flopper Creek Sale". All oak, cherry, and white pine smaller than 4 inches at dbh were left. Access was from the southeast corner off Co.Rd. 565. I believe Marv Nelson used a chipper and chipped all of the slash here. Several grass openings were constructed post sale (#400, 401, 402, & 403.) Oak was spotty in distribution and may be less than 10 sq.ft/acre overall.  |
| 6     | 4123 - Red Oak                         | Poletimber Poor   | 16.1  | 76        | 1-50     | Was included in commercial cut in Fall of 1998 by Oro Logging (St.John), permit #08-98-01, "Flopplers Creek Aspen Sale". No oak was cut. Currently in 2006, oak regeneration is lacking. Medium understory of aspen & red maple, less than 1 inch diameter.  |
| 7     | 4132 - Aspen, Jack Pine                | Sapling Well      | 30.0  | 18        | Immature | Was commercially cut in Fall of 1998 by Oro Logging (St.John), permit #27-98-01, "Woodstove Aspen Sale". All oak, cherry, red & white pine was left. Wildlife created two grass openings (#408 & 409) post-sale. An old kitchen range wood stove was abandoned near the swamp edge many years ago by a squatter trapper or deer hunter - thus the name of the sale.  |
| 8     | 6125 - Lowland Black Spruce, Jack Pine | Poletimber Well   | 23.0  | 93        | 51-80    | This is a riparian buffer for the Floppers Creek. .  |
| 10    | 42110 - Planted Red Pine               | Poletimber Well   | 48.1  | 54        | 1-50     | Red pine was machine planted in Sept of 1963 using 3-0 stock dipped & sprayed in Aldrin (Wyman nursery). Planting rate was 840 trees per acre. A survival count made in 1966 found 377 planted red pine per acre. Was commercially cut in 2000 by Holli Forest Products, Inc., permit #107-98-01, "Flopper Creek Pine Release Sale". All red pine, white pine, cherry, and oak were left, thus cutting jack pine aspen, birch, and maple. Shortwood operation. Overall residual stocking of 38 sq.ft/acre of pine when sale was cruised in 1998. |



| Stand | Level 4 Cover Type                    | Size Density      | Acres | Stand Age | BA Range    | General Comments:   |
|-------|---------------------------------------|-------------------|-------|-----------|-------------|---|
| 11    | 4130 - Aspen                          | Sapling Well      | 86.6  | 18        | Immature    | Was commercially cut in the Fall of 1998 by Oro Logging (St.John), permit #08-98-01, "Floppers Creek Aspen Sale". All oak, cherry, and conifers other than jack pine were left. Access was from the east through the approx center of the Section, and through stand #5 to Co.Rd. 565. Also, stand #6 (oak type) and stand #36 (jack pine) were cut as part of the same sale. Wildlife created grass openings (#405, 406; 407) in sale area after completion. |
| 12    | 4130 - Aspen                          | Sapling Poor      | 14.5  | 6         | Immature    | Harvested in 2011: TS#115-08-01 6/5/08: It was agreed to change the prescription to final harvest with scarification and direct seeding after the timber sale is complete. Coding has been updated to reflect the new prescription. The seed tree cut with prescribed burn is no longer valid (See note in compartment file) TJS, then trench and seed this as normal procedure. FTP #C32-774 was written on 4/13/07 to cover the jack pine regeneration.     |
| 13    | 42120 - Planted Jack Pine             | Sapling Well      | 20.2  | 17        | Immature    | Was commercially cut in Fall of 1999 by Holli Forest Products, Inc., permit #109-98-01, "Hawkins Pond Pine Sale". All oak, cherry, birch, and conifers other than jack pine were left. Very little residual in this stand though. Disk trenched & seeded to jack pine fall of 2000 under FTP C31-418. No herbicide was applied.   |
| 14    | 42110 - Planted Red Pine              | Poletimber Well   | 60.2  | 55        | 111-140     | Harvested (thinned) in 2011: TS#130-06-01. Area was machine planted in October 1962 using 2-0 and 3-0 planting stock, dipped in Aldrin. Stock came from Higgins tree nursery.   |
| 15    | 4132 - Aspen, Jack Pine               | Poletimber Well   | 101.8 | 43        | Unspecified | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Somewhat of a mixed or patchy character to this stand with aspen a significant component also. No specific treatment was made to regenerate pine - natural regeneration.  |
| 16    | 42260 - Natural Pine, Mixed Deciduous | Poletimber Medium | 14.1  | 43        | 1-50        | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Somewhat of a mixed or patchy character to this stand with aspen a significant component also. No specific treatment was made to regenerate pine - natural regeneration.  |
| 17    | 4130 - Aspen                          | Poletimber Well   | 6.4   | 43        | Unspecified | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Jack pine is a scattered component of this stand also.  |
| 20    | 42110 - Planted Red Pine              | Sapling Well      | 10.6  | 24        | Immature    | Was commercially cut in June 1991 by Jim Carey of Sawyer Lake, permit #25-88, "Four Compartment Sale". Red pine, white pine, and oak were left, essentially cutting mostly jack pine & aspen. FTP C31-254 written for herbicide, disk trench, & hand planting of red pine, mostly in the area south of trail road where terrain would allow and previously planted (from 1963 ?) red pine was sparse. This was most likely completed in 1993.                 |
| 21    | 6113 - Lowland Maple                  | Poletimber Medium | 0.9   | 61        | 1-50        | I viewed this stand from the west side of the river. Appears to be mostly lowland hwd with a few remnant super canopy white pine (the sort of trees that eagles may nest in). Access or cutting not practical.  |



|    | Level 4<br>Cover Type         | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
|----|-------------------------------|----------------------|-------|--------------|-------------|--|
| 22 | 42290 - Natural Mixed<br>Pine | Poletimber<br>Well   | 14.4  | 80           | Unspecified | This is a riparian buffer with emphasis on the enhancement of biodiversity of species present.   |
| 27 | 4311 - Pine, Aspen Mix        | Poletimber<br>Well   | 37.9  | 43           | 81-110      | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Somewhat of a mixed or patchy character to this stand with aspen a significant component also. No specific treatment was made to regenerate pine - natural regeneration.         |
| 28 | 6121 - Tamarack               | Poletimber<br>Medium | 2.6   | 80           | 1-50        | Wet Drain with leather leaf ground cover and tamarack and black spruce tree cover. Evidence from adjacent harvest suggests that this area is to wet to harvest.  |
| 29 | 42220 - Natural Jack<br>Pine  | Poletimber<br>Medium | 6.7   | 43           | 1-50        | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Somewhat of a mixed or patchy character to this stand.   |
| 30 | 42220 - Natural Jack<br>Pine  | Sapling<br>Medium    | 2.5   | 17           | Immature    | Was commercially cut in Fall of 1999 by Holli Forest Products, Inc., permit #109-98-01, "Hawkins Pond Rd Pine Sale". Disk trenched & seeded to jack pine fall of 2000 under FTP C31-418. No herbicide applied. When checked in late March of 2006, stocking appeared sparse in places esp. near the tree line and may need re-planting. Check again after snow leaves. |
| 31 | 4130 - Aspen                  | Sapling Well         | 13.5  | 17           | Immature    | Was commercially cut in Fall of 1999 by Holli Forest Products, Inc., permit #109-98-01 "Hawkins Pond Rd Pine Sale". All oak, cherry, red and white pine, and birch was left (for biodiversity, aesthetics, & wildlife.)  |
| 36 | 42220 - Natural Jack<br>Pine  | Sapling Well         | 9.4   | 18           | Immature    | Was commercially cut in the Fall of 1998 by ORO Logging (St,John), permit #08-98-01, "Flopers Creek Aspen Sale". Access was from south side of stand. Was disk trench & seeded to jack pine under FTP # C31-389.   |
| 37 | 42220 - Natural Jack<br>Pine  | Sapling Well         | 1.5   | 17           | Immature    | Was commercially cut in Fall of 1999 by Holli Forest Products, Inc., permit #109-98-01, "Hawkins Pond Rd Pine Sale". Disk trenched & seeded to jack pine fall of 2000 under FTP C31-418. No herbicide applied.   |
| 38 | 6122 - Black Spruce           | Poletimber<br>Well   | 25.6  | 81           | 81-110      | This is a low buffer of Flopper Creek.   |
| 39 | 4130 - Aspen                  | Sapling Poor         | 2.6   | 6            | Immature    |  |
| 40 | 4311 - Pine, Aspen Mix        | Poletimber<br>Medium | 9.3   | 83           | 51-80       |  |
| 41 | 6124 - Lowland Spruce-<br>Fir | Poletimber<br>Medium | 2.7   | 93           | 81-110      |  |

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Gwinn Mgt. Unit

## Report 7 – Forested Stands

Compartment: 248  
Year of Entry: 2018

| Stand | Level 4 Cover Type                    | Size Density      | Acres | Stand Age | BA Range | General Comments:  |
|-------|---------------------------------------|-------------------|-------|-----------|----------|--|
| 50    | 4133 - Aspen, Mixed Pine              | Poletimber Medium | 4.0   | 43        | 1-50     | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Jack pine is a scattered component of this stand also.   |
| 51    | 42260 - Natural Pine, Mixed Deciduous | Poletimber Well   | 3.7   | 43        | 81-110   | Was commercially cut in 1974 by Holli Forest Products, Inc., permit #25-72A, "Hawkins Pond Sale". Red & white pine was marked, otherwise, all aspen, birch, maple; jack pine was cut. Somewhat of a mixed or patchy character to this stand with aspen a significant component also. No specific treatment was made to regenerate pine - natural regeneration. |
| 55    | 4130 - Aspen                          | Sapling Well      | 11.0  | 17        | Immature | This strip was commercially cut in 2000 by Holli Forest Products, Inc., permit # 107-98-01, "Flopper Creek Pine Release Sale", along with stand # 10. All oak, cherry, red & white pine was left.  |



| Stand | Cover Type              | Acres | Managed Site | General Comments:  |
|-------|-------------------------|-------|--------------|--|
| 9     | 6220 - Alder/willow     | 46.8  | No           | Floppers Creek flows through this stand.   |
| 18    | 500 - Water             | 5.8   | No           | Good size beaver pond and origin of a small creek flowing eastward out of pond. Pond is quite old, has been there forever.   |
| 19    | 6225 - Bog              | 2.2   | No           | Bog surrounded by a J3 type.   |
| 23    | 6220 - Alder/willow     | 4.0   | No           | Riparian buffer, lowland alder creek bottom.   |
| 24    | 500 - Water             | 0.7   | No           | Small beaver pond on un-named creek flowing eastward into Escanaba River.  |
| 25    | 6225 - Bog              | 1.4   | No           | Tiny bog surrounded by jack pine.  |
| 32    | 6225 - Bog              | 0.4   | No           | Small bog in the bottom of a valley or depression.   |
| 33    | 6225 - Bog              | 1.7   | No           |  |
| 34    | 500 - Water             | 2.3   | No           | Smallish pond, has a ring of bog around it with conifers (jack & red pine) surrounding that.   |
| 35    | 6225 - Bog              | 1.4   | No           | This is a ring of bog type surrounding a small 2 acre pond.  |
| 42    | 500 - Water             | 0.8   | No           | An older beaver pond (eastern end only) on the Floppers Creek.   |
| 47    | 500 - Water             | 1.3   | No           | Portion of oxbow or curve of the Middle Branch of the Escanaba River. GLO original survey notes state that the 1/4 corner should fall within the river.  |
| 56    | 500 - Water             | 1.0   | No           | Smaller beaver pond on the Floppers Creek, flowing eastward.   |
| 57    | 500 - Water             | 1.3   | No           | Smaller beaver pond on the Floppers Creek, flowing eastward.   |
| 400   | 3201 - Sweet Fern       | 2.7   | Yes          | Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rock rake, disk, and seeder. Seeding occurred in August of 1991. Trail road leading to this opening was also disked & seeded & bermed. |
| 401   | 330 - Low-Density Trees | 5.0   | Yes          | Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rock rake, disk, and seeder. Seeding occurred in August of 1991.   |



| Stand | Cover Type              | Acres | Managed Site | General Comments:   |
|-------|-------------------------|-------|--------------|---|
| 402   | 320 - Upland Shrub      | 1.7   | Yes          | OPIC - FMD: Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rockrake, disk, and seeder. Seeding occurred in August of 1991. Trail road between this opening and stand #400 was also disked & seeded & bermed. |
| 403   | 330 - Low-Density Trees | 1.0   | Yes          | Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rockrake, disk, and seeder. Seeding occurred in August of 1991.   |
| 404   | 3201 - Sweet Fern       | 4.5   | Yes          | Was created following commercial cut under FTP W31-236, rockrake, disk, & seed by Wildlife Division. Was seeded in July of 1992. Presently has some conifer invading the opening.   |
| 405   | 3201 - Sweet Fern       | 1.0   | Yes          | Was created at landing site following commercial timber sale by Wildlife Division under FTP W31-413 using rockrake, disk, & seeding. Disked & seeded in July of 2000. Access trail road was bermed just north of stand #12.   |
| 406   | 3103 - Rubus-Fern       | 6.7   | Yes          |   |
| 407   | 320 - Upland Shrub      | 1.4   | Yes          | Was created at landing site following commercial timber sale by Wildlife Division under FTP W31-413 using rockrake, disk, & seeding. Disked & seeded in July of 2000. Access trail road was bermed just north of stand #12.   |
| 408   | 330 - Low-Density Trees | 0.9   | Yes          | Was created by Wildlife Division at a landing site following a commercial timber sale under FTP W31-410, using a rockrake, disk, & seeding. Was cleared & seeded in July 2000. Access road was bermed.  |
| 409   | 330 - Low-Density Trees | 0.9   | Yes          | Was created by Wildlife Division at a landing site following a commercial timber sale under FTP W31-410, using a rockrake, disk, & seeding. Was cleared & seeded in July 2000. Access road was bermed.  |
| 410   | 3201 - Sweet Fern       | 7.1   | Yes          | This was established around 1985 as one of the terminal ground sites for the ELF submarine communication system. The project was abandoned in 2005, and the clearing continues now as a wildlife grass opening.   |
| 411   | 3201 - Sweet Fern       | 1.4   | Yes          | Was created by Wildlife Division at a landing site following a commercial timber sale under FTP W31-594, using a rockrake, disk, & seeding. Was cleared & seeded in August 2002. Had some oak windthrow in stand shortly afterward.                                 |