



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment 088 Entry Year: 2014
Compartment Acreage: 1,560 County: Marquette**

Revision Date: 8/20/12

Stand Examiner: Kevin LaBumbard

Legal Description: T42N R25W Sec(s) 5, 6, 8,16,21,24

RMU (if applicable): North Menominee Moraines Management Area

Management Goals: This compartment contains a portion of the most important deeryard complex in the central U.P. Maintaining thermal cover for deer is a priority. A significant proportion of the compartment will be managed as deer yard. Additional goals are to provide age-class distribution of Aspen by harvesting selected stands.

Soils and topography: Geologic features are primarily drumlins with bogs and depressions on lake plains, moraines, and glacial drainageways. Topography is undulating with poorly drained mucks and peats interspersed among well drained loams. Other soils include well drained loams over limestone bedrock. Major soil series include Lupton, Tawas, Carbondale, Tacoosh, and Onaway.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is located in the vicinity of Watson, MI and what is locally known as “Finn Settlement”. Most of the compartment is bordered by corporate land except in the north part of the comp. where the adjacent lands are mostly private residences and “camps”. Land use is primarily low key recreation and whitetail deer yard.

Unique, Natural Features: Eagle and wood turtle to the northeast, southwest, and south. Eagle to the ne. Osprey to the se. Potential for wood turtle. Potential for calypso bulbosa, round leaved orchid, limestone oak fern and Cypripedium arietinum in cedar swamp. Purple clematis to the ne.

Archeological, Historical, and Cultural Features: None identified with HAL.

Special Management Designations or Considerations: Large wetland complexes, extensive deer yard, riparian corridors.

Watershed and Fisheries Considerations: Hunters Brook and tributaries.

Wildlife Habitat Considerations: Maintain thermal cover for deer, as virtually all of this compartment is deeryard. Optimize diversity in the treated northern hardwood stands. Featured species include American marten, snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured glacial till. The glacial drift varies between 0 and 50 feet. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. These formations are or could be used for stone/dolomite. Many gravel pits are located in the compartment, and potential appears to be good. Abandoned iron mines are located twelve miles to the north. This township has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: This compartment has good access from Co. Rd 426, Mashek Grade, Finn Settlement Road, and numerous two-tracks.

Survey Needs: Section 16

Recreational Facilities and Opportunities: This is an excellent area for ruffed grouse and whitetail deer hunting, and as a result, sees lots of activity.

Fire Protection: Potential for wildfire is moderate in this compartment.

Additional Compartment Information:

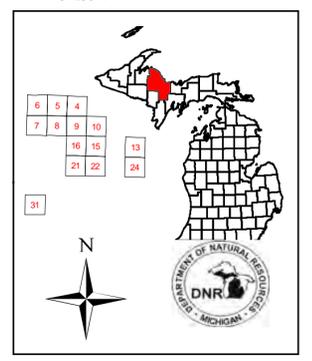
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

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

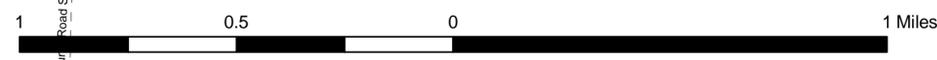
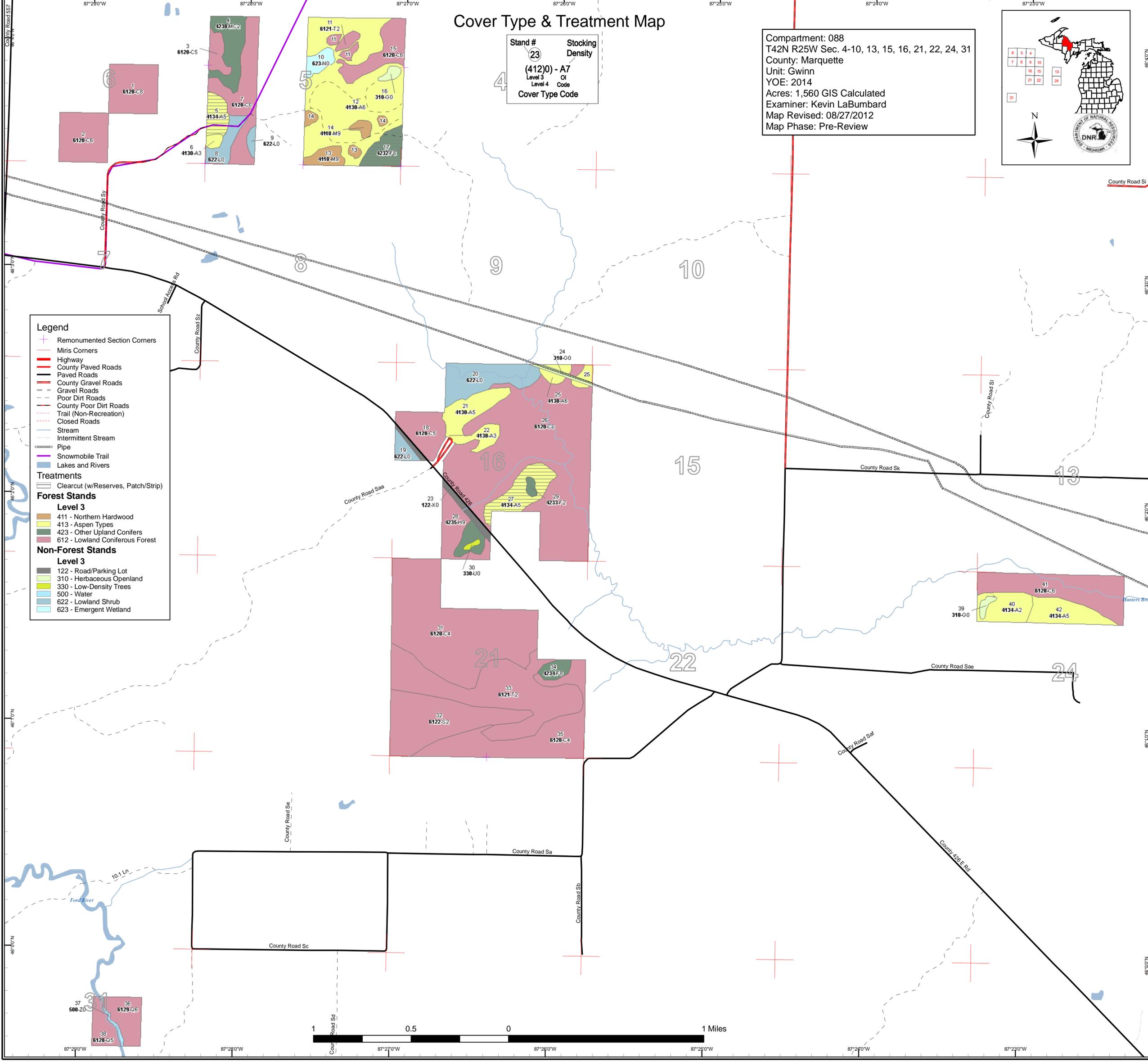
Cover Type & Treatment Map

Stand #
23
(4120) - A7
 Level 3 Or
 Level 4 Code
Cover Type Code

Compartment: 088
 T42N R25W Sec. 4-10, 13, 15, 16, 21, 22, 24, 31
 County: Marquette
 Unit: Gwinn
 YOE: 2014
 Acres: 1,560 GIS Calculated
 Examiner: Kevin LaBumbard
 Map Revised: 08/27/2012
 Map Phase: Pre-Review



- Legend**
- Remonumented Section 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
 - Stream
 - Intermittent Stream
 - Pipe
 - Snowmobile Trail
 - Lakes and Rivers
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 423 - Other Upland Conifers
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



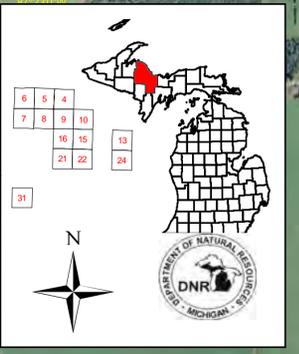
87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W 87°25'0"W 87°24'0"W 87°23'0"W

46°50'0"N 46°49'0"N 46°48'0"N 46°47'0"N 46°46'0"N 46°45'0"N 46°44'0"N 46°43'0"N 46°42'0"N 46°41'0"N 46°40'0"N

Stand Boundary Map

Stand #
23
 (412)0 - A7
 Level 3 Or
 Level 4 Code
 Cover Type Code

Compartment: 088
 T42N R25W Sec. 4-10, 13, 15, 16, 21, 22, 24, 31
 County: Marquette
 Unit: Gwinn
 YOE: 2014
 Acres: 1,560 GIS Calculated
 Examiner: Kevin LaBumbard
 Map Revised: 05/03/2012
 Map Phase: Pre-Review



Legend

- ✚ Remonumented Section Corners
- ✚ Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
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- Trail (Non-Recreation)
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- Lakes and Rivers
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- Intermittent Stream
- Pipe
- Power
- Snowmobile Trail
- Stand Boundaries

Forest Stands

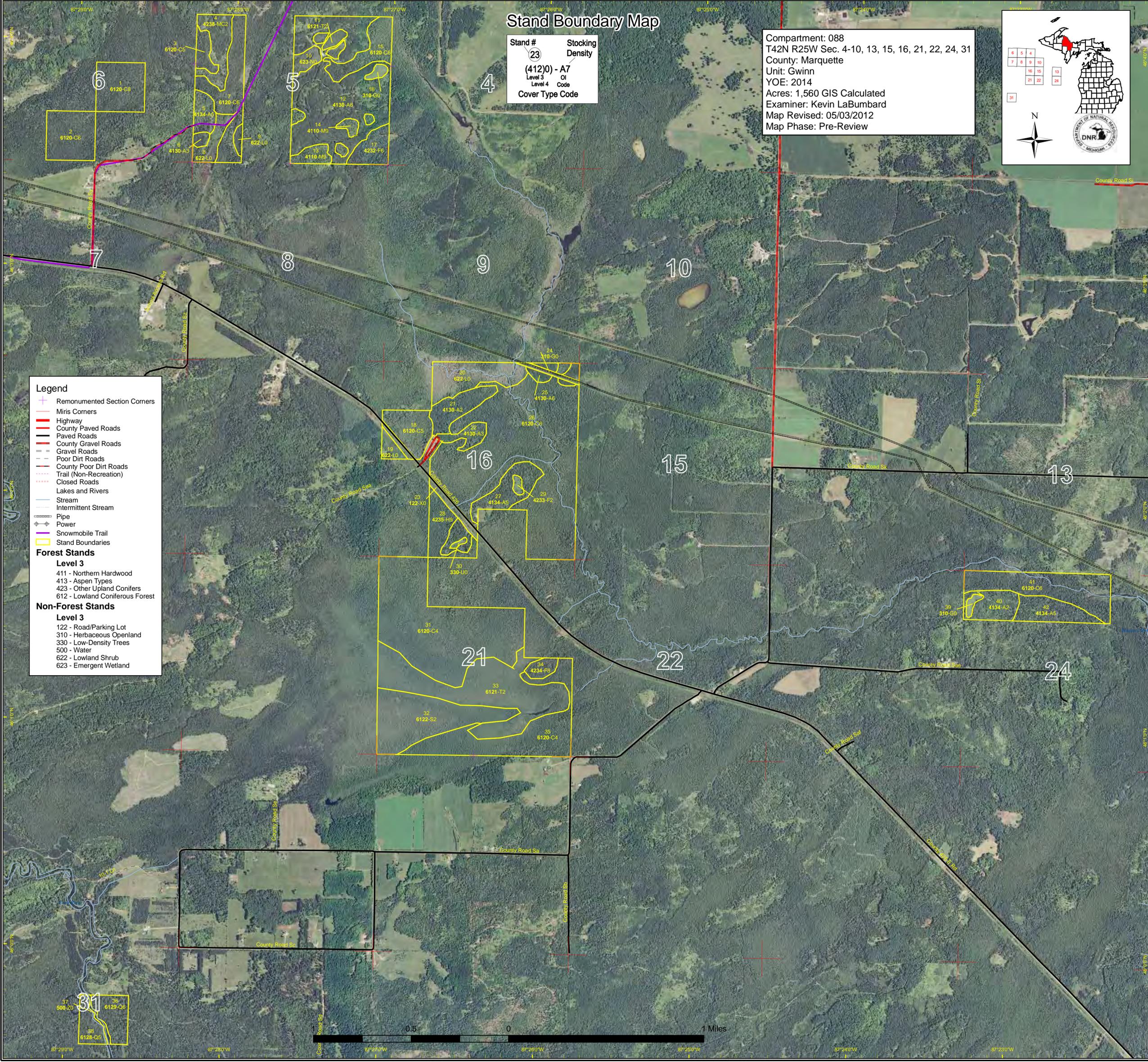
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest

Non-Forest Stands

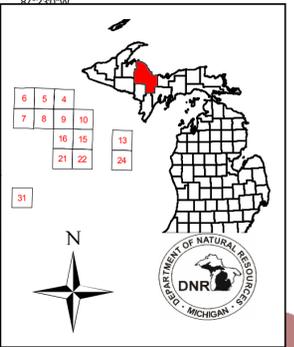
Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
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Dedicated & Proposed Special Conservation Area Map

Compartment: 088
 T42N R25W Sec. 4-10, 13, 15, 16, 21, 22, 24, 31
 County: Marquette
 Unit: Gwinn
 YOE: 2014
 Acres: 1,560 GIS Calculated
 Examiner: Kevin LaBumbard
 Map Revised: 08/27/2012
 Map Phase: Pre-Review



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

Legend

- ⊕ Remonumented Section Corners
- ⊕ Miris Corners
- Stand Boundaries
- Proposed Special Conservation Areas
- ▨ SCA Removal
- ▨ Dedicated Special Conservation Areas
- Cold Water Streams
- Deer Wintering Areas

Forest Stands

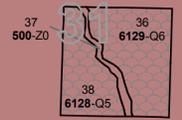
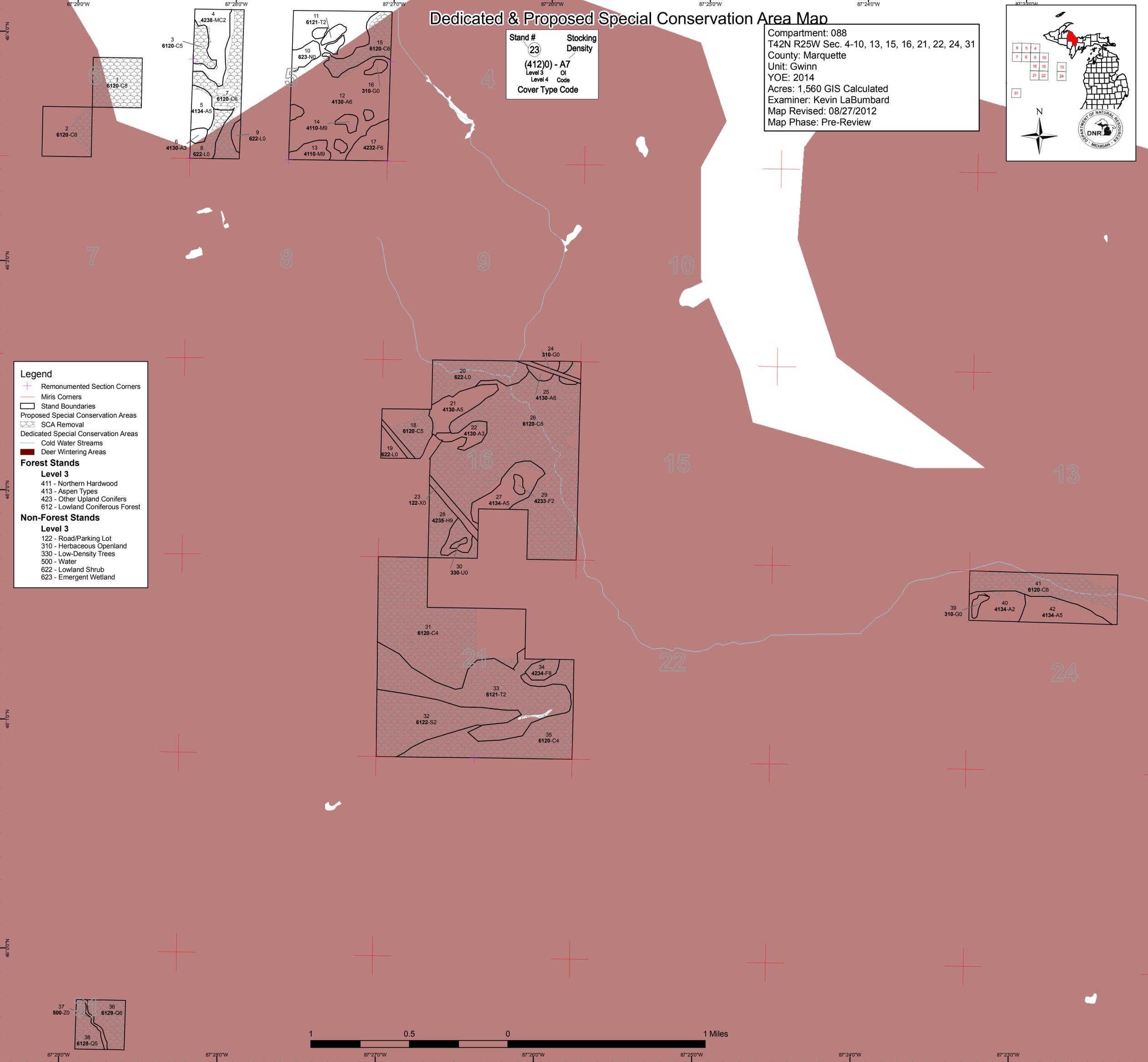
Level 3

- 411 - Northern Hardwood
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Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
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87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W 87°25'0"W 87°24'0"W 87°23'0"W

46°30'0"N 46°29'0"N 46°28'0"N 46°27'0"N 46°26'0"N 46°25'0"N 46°24'0"N

Table 1 – Total Acres by Cover Type and Age Class

Kevin LaBumbard : Examiner



| | 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 | 11 | 189 | 25 | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 294 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 295 | 0 | 0 | 437 | 88 | 0 | 820 |
| Hemlock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| Herbaceous Openland | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Low-Density Trees | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 37 |
| Lowland Shrub | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 0 | 0 | 0 | 81 |
| Marsh | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 20 |
| Tamarack | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 0 | 0 | 134 |
| Upland Conifers | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Upland Spruce/Fir | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 19 | 8 | 0 | 0 | 0 | 0 | 0 | 30 |
| Urban | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Water | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 107 | 14 | 225 | 25 | 68 | 0 | 0 | 19 | 340 | 20 | 81 | 572 | 88 | 0 | 1560 |



Table 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit
Year of Entry 2014

Compartment 088
Total Compartment Acres: 1560

Acres by Treatment Type

| | | | | |
|-------------------------|-------------------------|-------------------|---------------------|-----------|
| Commercial Harvest - 60 | 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

| | <i>Clearcut</i> | <i>Selection</i> | <i>Seed Tree</i> | <i>Shelterwood</i> | <i>Thinning</i> | <i>Other - Specify</i> | <i>Total Acres</i> |
|--------------------------|-----------------|------------------|------------------|--------------------|-----------------|------------------------|--------------------|
| Aspen | 41 | 0 | 0 | 0 | 0 | 0 | 41 |
| Upland Spruce/Fir | 19 | 0 | 0 | 0 | 0 | 0 | 19 |
| Total | 60 | 0 | 0 | 0 | 0 | 0 | 60 |



| S t a n d | Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------------|-------------------|-------|-----------------------------|---------------------------|--------------|-------------|-------------------|---------------------|-----------------------------|--------------------------|
| 5 | 32088005-Cut | 13.5 | 4134 - Aspen, Spruce/Fir | Medium Density Pole | 49 | | Harvest | Clearcut | 4134 - Aspen, Spruce/Fir | Cmpt. Review Proposal |

Prescription: Clearcut with some reserves. Cut all aspen and fir retaining 14" dbh and larger sugar maple trees, cedar, and white pine if present. No chipping.
Specs:

Other 5-6 stick aspen over 2-3 stick fir. Scattered sawlog sugar maple trees. 65 ba aspen, 40 ba fir. There will be retention but probably less than
Comments: 3%. If winter harvested, approximately 1/2 mile of snowmobile trail #33 will be impacted. Cutting specs will require signage and maintaining a minimum 3" snow depth on the trail segment.

Next Regeneration survey per Work Instructions.
Steps:

Proposed
Start Date: 10/01/2013

| | | | | | | | | | | |
|----|--------------|------|--------------------------|-------------------------|----|--|---------|----------|--------------------------|--------------------------|
| 17 | 32088017-Cut | 18.8 | 42320 - Upland Spruce | High Density Pole | 77 | | Harvest | Clearcut | 42320 - Upland Spruce | Cmpt. Review Proposal |
|----|--------------|------|--------------------------|-------------------------|----|--|---------|----------|--------------------------|--------------------------|

Prescription: Cut all black spruce and fir retaining any cedar, and white pine if present. No chipping.
Specs:

Other Upland ridge dropping to lowlands. Acceptable regeneration can consist of black spruce, fir, with a mix of tamarack and other conifers. There
Comments: will be retention but probably less than 3%. Access to this sale will require using approximately 1/2 mile of snowmobile trail #33. Cutting specs will require signage and maintaining a minimum 3" snow depth on the trail segment.

Next Monitor regeneration per Work Instructions.
Steps:

Proposed
Start Date: 10/01/2013

| | | | | | | | | | | |
|----|--------------|------|-----------------------------|---------------------------|----|--|---------|----------|--------------|--------------------------|
| 27 | 32088027-Cut | 27.6 | 4134 - Aspen, Spruce/Fir | Medium Density Pole | 42 | | Harvest | Clearcut | 4130 - Aspen | Cmpt. Review Proposal |
|----|--------------|------|-----------------------------|---------------------------|----|--|---------|----------|--------------|--------------------------|

Prescription: Cut all aspen and fir retaining scattered super-canopy white spruce and cedar. No chipping.
Specs:

Other 6"-8" 3-4 stick aspen poles with 4 stick white spruce over fir poles and saplings. Contains an old grass opening which is now an F2T1. Losing
Comments: the aspen already. Why? 50 ba aspen, 10 ba ws, 10 ba bf. There will be retention but probably less than 3%.

Next Monitor regeneration per Work Instructions.
Steps:

Proposed
Start Date: 10/01/2013

**Total Treatment
Acreage Proposed: 59.9**

Table 4 -- Treatments Prescribed with a Limiting Factor



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

#Error

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014



| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------------------------------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|
| <u>Prescription</u> <u>Specs:</u> | | | | | | | | | |
| <u>Other</u> <u>Comments:</u> | | | | | | | | | |
| <u>Next</u> <u>Steps:</u> | | | | | | | | | |
| <u>Proposed</u> <u>Start Date:</u> #Error | | | | | | | | | |

**Total Treatment
Acreage Proposed: 0**

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Gwinn Mgt. Unit

5 – Forested Stands

Compartment: 088
Year of Entry: 2014

| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--------------------------------------------------|----------------------|-------|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 6120 - Lowland Cedar | Medium Density Log | 40.0 | 112 | | SCA-Deer yard. |
| 2 | 6120 - Lowland Cedar | High Density Pole | 40.0 | 141 | | Cedar with a mix of black spruce. |
| 3 | 6120 - Lowland Cedar | Medium Density Pole | 10.4 | 112 | | C5Q1 Fair to poor quality cedar over balsam fir saplings. SCA Deer yard. |
| 4 | 42380 - Non Pine Upland Conifer, Mixed Deciduous | Medium Density | 27.2 | 27 | | |
| 5 | 4134 - Aspen, Spruce/Fir | Medium Density Pole | 13.5 | 49 | | 5-6 stick aspen over 2-3 stick fir. Scattered sawlog sugar maple trees. 65 ba aspen, 40 ba fir |
| 6 | 4130 - Aspen | High Density Sapling | 3.5 | 29 | | Small stand of bigtooth aspen, 4-6" transitioning to a pole stand. |
| 7 | 6120 - Lowland Cedar | High Density Pole | 48.3 | 121 | | SCA Deer yard. Small cedar over fir saplings. C6Q1. |
| 11 | 6121 - Tamarack | Medium Density | 9.0 | 22 | | T2S1 pocket. |
| 12 | 4130 - Aspen | High Density Pole | 151.9 | 22 | | Large stand of almost pure aspen poles. Eastern portion contains an area of semi open aspen clones with w. spruce saplings and cherry brush. |
| 13 | 4110 - Sugar Maple Association | High Density Log | 12.1 | 98 | 81-110 | High quality sugar maple stand with occasional yellow birch, upland cedar and large wp. No evidence of regeneration from previous harvest. Numerous gypsy moth eggs on boles. |
| 14 | 4110 - Sugar Maple Association | High Density Log | 8.2 | 98 | 81-110 | High quality sugar maple stand with occasional balsam fir and white spruce sapling. No evidence of regeneration from previous harvest. Numerous gypsy moth eggs on boles. Illegal deer blind. |
| 15 | 6120 - Lowland Cedar | High Density Pole | 27.9 | 112 | | SCA Deer yard. |
| 17 | 42320 - Upland Spruce | High Density Pole | 18.8 | 77 | | Primarily upland black spruce with balsam fir. |
| 18 | 6120 - Lowland Cedar | Medium Density Pole | 27.3 | 113 | | Moderately stocked cedar and tamarack over Q2. SCA deer yard. |
| 21 | 4130 - Aspen | Medium Density Pole | 24.9 | 39 | | 3-4 stick aspen poles over fir poles and saplings. Scattered large white pine. |
| 22 | 4130 - Aspen | High Density Sapling | 11.4 | 15 | | |

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Gwinn Mgt. Unit

5 – Forested Stands

Compartment: 088

Year of Entry: 2014



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--------------------------------------------------|------------------------|-------|--------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25 | 4130 - Aspen | High Density Pole | 10.4 | 28 | | 4-6" aspen poles and saplings. Harvested in 1983 under contract #009-83-02. |
| 26 | 6120 - Lowland Cedar | High Density Pole | 294.7 | 85 | | Smaller patchy 4-5" cedar. SCA deer yard. |
| 27 | 4134 - Aspen, Spruce/Fir | Medium Density Pole | 27.6 | 42 | | 6"-8" 3-4 stick aspen poles with 4 stick white spruce over fir poles and saplings. Contains an old grass opening which is now an F2T1. Losing the aspen already. Why? 50 ba aspen, 10 ba ws, 10 ba bf |
| 28 | 42350 - Upland Hemlock | High Density Log | 9.8 | 113 | | H9M7M4 Huge hemlock with large sugar and red maple sawtimber. Severe porky damage to the hemlock. SCA deer yard. |
| 29 | 42330 - Upland Fir | Medium Density | 2.7 | 15 | | Old wildlife opening which converted to fir and tamarack. |
| 31 | 6120 - Lowland Cedar | Low Density Pole | 181.4 | 113 | | Small cedar with black spruce and tamarack. SCA deer yard |
| 32 | 6122 - Black Spruce | Medium Density | 80.7 | 105 | | 3" black spruce 10-25' tall. SCA potential old growth. |
| 33 | 6121 - Tamarack | Medium Density | 125.4 | 113 | | SCA deer yard 2" tamarack 6-15' tall. |
| 34 | 42340 - Upland Spruce/Fir | Medium Density Log | 8.3 | 85 | | SCA P.O.G. Limiting factor -blocked by physical object, ie. swamp. |
| 35 | 6120 - Lowland Cedar | Low Density Pole | 83.7 | 113 | | Poorly stocked cedar with associated lowland conifers. SCA deer yard |
| 36 | 6129 - Mixed Coniferous Lowland Forest | High Density Pole | 22.1 | 89 | | Mixed swamp conifer stand, heavy to cedar with black spruce, fir, and a ridge of red and white pine sawtimber. SCA deer yard. Very poor access. |
| 38 | 6128 - Lowland Coniferous, Mixed Deciduous | Medium Density Pole | 15.0 | 89 | | Mixed swamp conifer stand of cedar, fir, black spruce, with white birch and balm. SCA deer yard. |
| 40 | 4134 - Aspen, Spruce/Fir | Medium Density | 23.1 | 21 | | Stand cut in 1989-91 under contract # 09-89-01. |
| 41 | 6120 - Lowland Cedar | High Density Pole | 66.3 | 113 | | SCA deer yard. |
| 42 | 4134 - Aspen, Spruce/Fir | Medium Density Pole | 27.3 | 40 | | Comments from OIPC. Part to the stand was cut in 1989, scattered pockets of aspen mixed with C,F,B, wet, low volume. |



| Stand | Cover Type | Acres | Managed Site | Management Priority (Objective) | General Comments: |
|-------|----------------------------------|-------|--------------|---------------------------------|---------------------------------------------------------------------------------------|
| 8 | 622 - Lowland Shrub | 13.9 | No | Unspecified | |
| 9 | 6220 - Alder/willow | 3.5 | No | Unspecified | |
| 10 | 623 - Emergent Wetland | 8.7 | No | Unspecified | Beaver killed cedar over ? |
| 16 | 310 - Herbaceous Openland | 3.4 | No | Unspecified | |
| 19 | 6220 - Alder/willow | 7.3 | No | Unspecified | |
| 20 | 622 - Lowland Shrub | 42.0 | No | Unspecified | Beaver killed cedar. Originally part of stand 37. |
| 23 | 122 - Road/Parking Lot | 11.7 | N/A | Unspecified | |
| 24 | 310 - Herbaceous Openland | 10.0 | Yes | Unspecified | Pipeline R.O.W |
| 30 | 3302 - Low Density Conifer Trees | 1.4 | No | Unspecified | Weeviled white pine saplings mixed with tamarack saps growing in old road borrow pit. |
| 37 | 50 - Water | 2.6 | No | Unspecified | Ford River |
| 39 | 310 - Herbaceous Openland | 3.0 | No | Unspecified | |



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.

| Stand | SCA Type | SCA Name | Acres | Comments |
|----------------|-------------|-----------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| multiple - see | SCA Removal | 32088_SCA | 988.2 | SCA Removal - FRD - SCA Deer yard. Keep in deer yard SCA but remove from P.O.G. SCA. WLD - Part of the historic Mashek-Watson/Arnold/N. Menominee Deer Wintering Complex. |
| 36 | SCA Removal | 32088036 | 22.1 | SCA Removal - does not meet POG criteria. |
| 38 | SCA Removal | 32088038 | 15.0 | SCA Removal - does not meet POG criteria. |



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.

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

| Conservation Area | Type | Description |
|-------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | Habitat Area | An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies. |