



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment #246 Entry Year: 2012
Compartment Acreage: 812 County: Marquette**

Revision Date: July 13, 2010

Stand Examiner: Tom Seablom

Legal Description: T45N R29W Sec. 30; T45N R30W Sec's 26, 31, 32, 34, 36

Identified Planning Goals ('Management Area' or 'RMU', if applicable): N/A

Management Goals: Management goals for this compartment are to continue to provide a sustainable flow of timber products and to continue to manage wildlife habitat. Timber products are primarily for fiber with some hardwood and pine sawlog management taking place. Wildlife habitat is being provided in early successional stages, with some seral stage habitat being provided in the white and red pine cover types. Treatments proposed for the current entry year include both final harvest and thinning. The final harvest treatments will provide for early successional habitat as the harvested stands regenerate while the thinned stands will continue to provide cover and structural habitat. Treatments will also provide pulpwood and sawlog products.

Soil and Topography: The majority of the soils fall into the Goodman-Sundog-Greenwood Association with a minor amount being in the Sagola-Rubicon Association. These soils are very deep, excessively to very well drained loamy to sandy soils to very poorly drained peats in the low lying areas (Greenwood soils). Minor soil types include Keewaydin, Wabeno, and Pelissier in the uplands and Cathro, Tawas, Witbeck, and Carbondale in the depressions and drainages. These soils are generally conducive to woodland management. Management concerns are erosion hazards, equipment limitations, seedling mortality and plant competition. Topography ranges from generally level to very hilly.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Ownership in this area is a combination of State, private industrial, and private non-industrial land owners. This area of the management unit has several scattered lakes which have been developed with primarily recreational camps and homes and some permanent residences. The Michigamme River also has both recreational and permanent residences along it. The private industrial land is enrolled in the CFA program and managed for timber. There is some farming, predominantly potato, in this area as well.

Unique, Natural Features: None

Archeological, Historical, and Cultural Features: None

Special Management Designations or Considerations: Several stands of proposed Potential Old Growth (POG) exist. These stands are primarily along the Michigamme River corridor and those stands surrounding the small inland lakes. Several of these stands have treatments proposed are being proposed for removal from the POG status.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Michigamme Reservoir Moraine Complex. Special Conservation Areas (SCA) exists to protect mature conifer that provide snow intercept and thermal protection in the associated deer wintering complex. Other SCA stands provide mature forest and structure for wildlife corridors and protect riparian values.

Mineral Resource and Development Concerns and/or Restrictions: Sections 25 – 36, T45N-R30W, and Sections 30 and 31, T45N-R29W, Marquette County Surface sediments consist of coarse-textured glacial till, an end moraine of coarse-textured till and a minor amount of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Michigamme Formation and Archean Granite/Gneiss subcrop below the glacial drift. Some of the Granite/Gneiss might be used for dimension stone. A rock (?) quarry is indicated on the topo seven miles to the east. Gravel pits are located to the south of the compartment, and potential appears to be good. The Compartment was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: There is adequate vehicle access to the entire compartment via woods roads. An easement exists for access to the west-half of section 34.

Survey Needs: Some survey work may be needed pending treatment approval in sections 32 and 36.

Recreational Facilities and Opportunities: A Department maintained access site to Witch Lake is located in section 25. No other facilities exist at this time. There is potential for campground development along the Michigamme River.

Fire Protection: The southern portion of this compartment falls within the Floodwood Zone Dispatch area. The remainder of the compartment has adequate access for fire equipment to respond. Timber types within the surrounding area are prone to fires but are not as volatile as those types to the south and east.

Additional Compartment Information: None

- **The following reports from the Inventory are attached:**
 - ◆ **Total Acres by Cover Type and Age Class**
 - ◆ **Proposed Treatment Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
 - ◆ **Dedicated and Proposed Special Conservation Areas**

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

Compartment 246
 T45N, R29W, Sec. 30
 T45N, R30W, Sec. 31-36
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 812 GIS Calculated
 Stand Examiner: Thomas Seablom
 Map Revised: 8/30/2010
 Map Phase: Pre-Review

Cover Type & Treatment Map

Legend

- Miris Corners
- Highway
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Power
- Railroads
- Intermittent Stream/Drain
- Stream

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)

Forest Stands

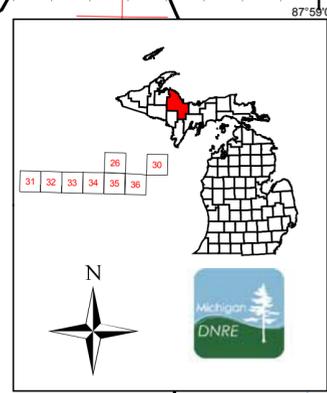
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

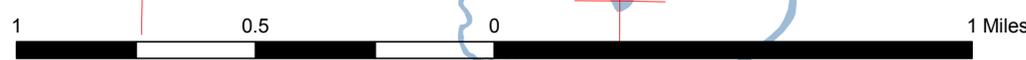
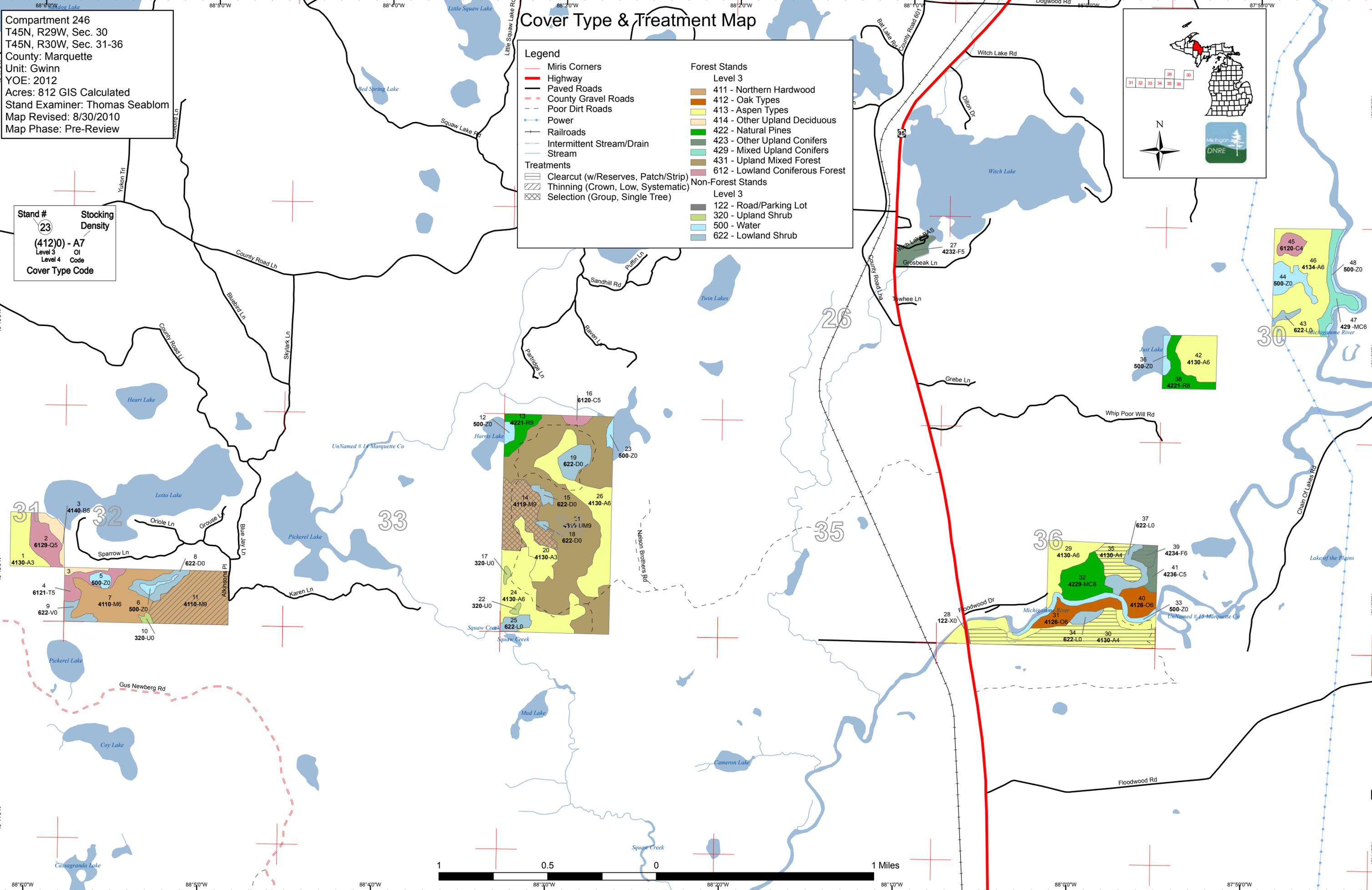
Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub



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



88°50'0"W 88°40'0"W 88°30'0"W 88°20'0"W 88°10'0"W 87°50'0"W

46°15'0"N 46°10'0"N 46°5'0"N 46°0'0"N

Stand Boundary Map

Compartment 246
 T45N, R29W, Sec. 30
 T45N, R30W, Sec. 31-36
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 812 GIS Calculated
 Stand Examiner: Thomas Seablom
 Map Revised: 7/07/2010
 Map Phase: Pre-Review

Legend

- Miris Corners
- Highway
- Paved Roads
- - County Gravel Roads
- - Poor Dirt Roads
- Power
- Railroads
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

Forest Stands

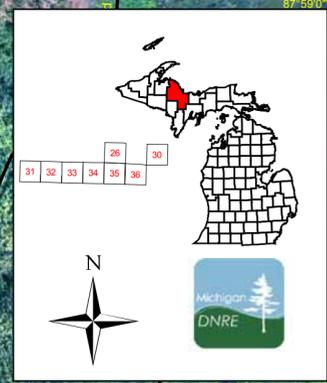
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
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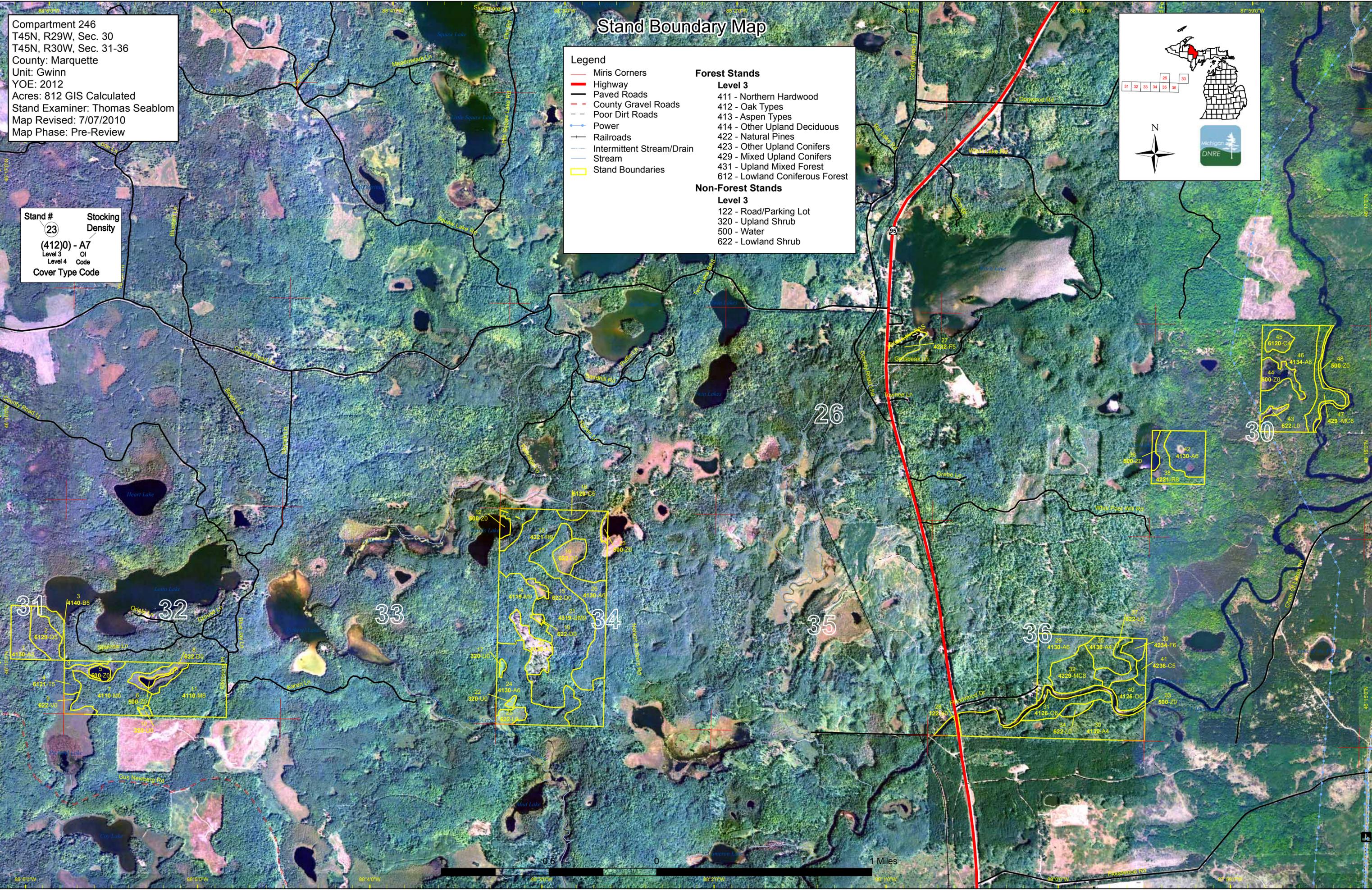
Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub



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



88° 0' W 88° 10' W 88° 20' W 88° 30' W 88° 40' W 88° 50' W 88° 59' W
 46° 10' N 46° 20' N 46° 30' N 46° 40' N 46° 50' N 46° 59' N

Dedicated & Proposed Special Conservation Area Map

Compartment 246
 T45N, R29W, Sec. 30
 T45N, R30W, Sec. 31-36
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 812 GIS Calculated
 Stand Examiner: Thomas Seablom
 Map Revised: 7/07/2010
 Map Phase: Pre-Review

Legend

- Miris Corners
- Stand Boundaries
- ▭ Dedicated Special Conservation Areas
- Cold Water Streams
- Deer Wintering Areas
- Cold Water Lakes
- ⚓ Boat Access Sites
- ▲ Campgrounds

Forest Stands

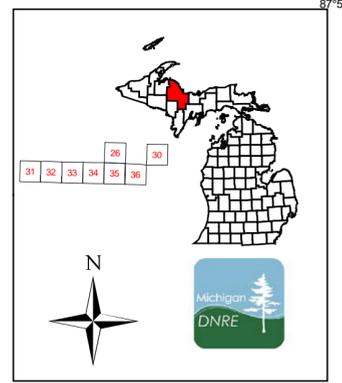
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
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- 422 - Natural Pines
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- 429 - Mixed Upland Conifers
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Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub



Stand # **Stocking Density**

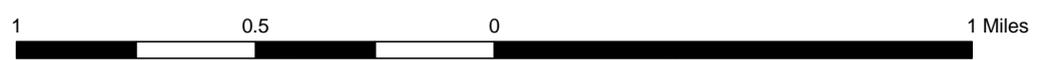
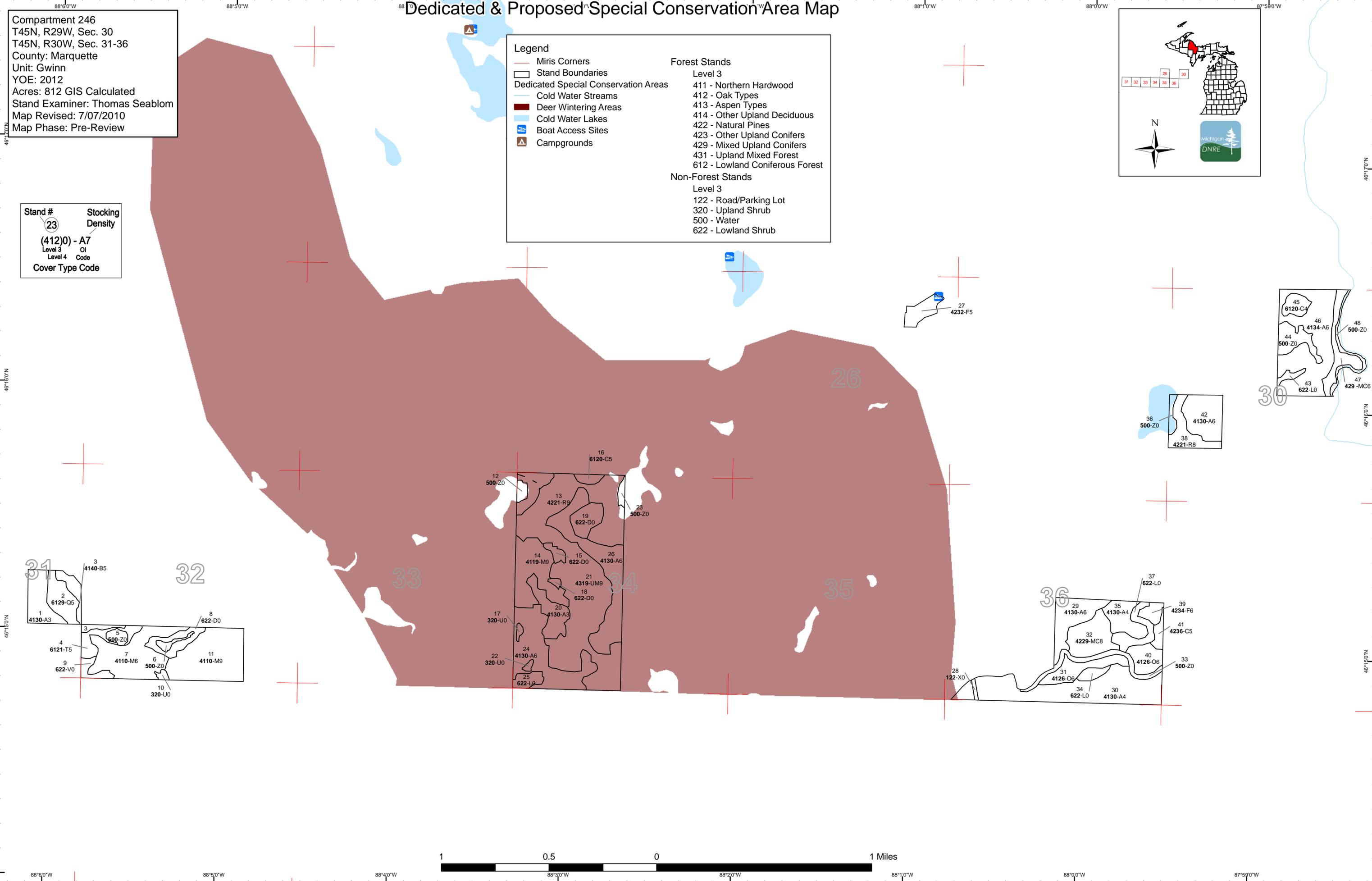
(23)

(412)0 - A7

Level 3 OI

Level 4 Code

Cover Type Code



88°6'0"W 88°5'0"W 88°4'0"W 88°3'0"W 88°2'0"W 88°1'0"W 88°0'0"W 87°59'0"W

46°17'0"N
46°16'0"N
46°15'0"N
46°14'0"N
46°13'0"N
46°12'0"N
46°11'0"N
46°10'0"N

87°59'0"W
87°58'0"W
87°57'0"W
87°56'0"W
87°55'0"W
87°54'0"W
87°53'0"W
87°52'0"W

Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	15	17	0	168	87	14	0	0	0	0	0	0	0	0	301
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Cedar	0	0	0	0	0	0	0	0	0	10	4	0	0	0	0	14
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	14
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Natural Mixed Pines	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	22
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	86	0	0	0	32	118
Oak	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	26
Paper Birch	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	0	0	0	0	0	0	10	0	14	0	24
Tamarack	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
Treed Bog	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	14
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0	146
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	0	9	0	5	0	0	0	0	0	0	14
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Total	100	15	17	0	168	87	45	0	14	10	90	46	0	188	32	812



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Gwinn Mgt. Unit
Year of Entry 2012

Compartment 246
Total Compartment Acres: 812.3

Acres by Treatment Type

Commercial Harvest - 147	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	63	0	0	0	0	0	63
Northern Hardwood	0	32	0	0	47	0	78
Upland Spruce/Fir	5	0	0	0	0	0	5
Total	69	32	0	0	47	0	147

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Data updated before 2:00 PM

	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	32246011-Cut	46.6	4110 - Sugar Maple Association	High Density Log	94	Harvest	Crown Thinning	Sugar Maple Association	Cmpt. Review Proposal

Prescription Treatment=>Thin to an average of 80 sq. ft./acre. Create some gaps to encourage regeneration.

Specs:

Other Comments: This is a predominantly sugar maple stand. Encourage mid tolerant species within the stand such as yellow birch and basswood.

Next Steps: Monitor this stand for regeneration. Possibly spot treat the heavy sedge mat with herbicide as an experiment to eliminate the sedge as a competitor with seedling establishment and growth.

14	32246014-Cut	31.9	4119 - Mixed Northern Hardwoods	High Density Log	83	Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
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Prescription Treatment=> Single tree selection to an average basal area of 80 sq. ft/ac. Create some gaps to encourage regeneration, especially around

Specs: yellow birch and hemlock.

Other

Comments:

Next Steps: Monitor stand for regeneration. Some is already present and sedge is lacking in this stand. This should allow for regeneration to occur.

**Total Treatment
Acreage Proposed: 78.5**

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Data updated before 2:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30 32246030-Cut	49.0	4130 - Aspen	Low Density Pole	46	Harvest	Clearcut with Reserves	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Treatment=> Clearcut, reserving scattered white birch and aspen. Herbicide after harvest, trench and plant red pine seedlings.
Specs:

Other This stand is currently listed as POG. Propose to remove the southern part of this stand from POG to allow us to treat the stand.
Comment:

Next
Steps:

Limiting Factor and No 3A: Potential old growth / biodiversity
Treatment Reason Proposed removal from POG.

35 32246035-Cut	14.3	4130 - Aspen	Low Density Pole	50	Harvest	Clearcut with Reserves	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Treatment=>Clearcut reserving scattered aspen, herbicide, trench and plant red pine.
Specs:

Other This is a poorly stocked off site aspen stand.
Comment:

Next
Steps:

Limiting Factor and No 3A: Potential old growth / biodiversity
Treatment Reason Currently listed as POG, remove from this status.

39 32246039-Cut	5.2	42340 - Upland Spruce/Fir	High Density Pole	76	Harvest	Clearcut	Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Treatment=> Clearcut during the summer months to provide scarification to aid in spruce and fir regeneration.
Specs:

Other Currently listed as POG, remove from this status. Access is across stand 37 via mats.
Comment:

Next
Steps:

Limiting Factor and No 3A: Potential old growth / biodiversity
Treatment Reason Currently listed as POG.

**Total Treatment
Acreage Proposed: 68.6**

Data updated before 2:00 PM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2012



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

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

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Gwinn Mgt. Unit

5 – Forested Stands

Compartment: 246

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Sapling	17.4	15		Scattered tall white spruce. 2000 Comments: Cut in 1994, permit #12-92. Some softwood left, all oak, cherry, ironwood, and hemlock were left as were spruce less than 10"-diameter at the stump.
2	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	14.3	150	51-80	Deer wintering area, 2000 Comments: Stand listed as POG for winter deer cover.
3	4140 - Other Upland Deciduous	Medium Density Pole	8.9	73	81-110	Stand borders Lotto Lake. SCA-Potential Old Growth (2000 Comments)
4	6121 - Tamarack	Medium Density Pole	9.5	100	51-80	Stand is the treed portion of a bog. Tamarack is the primary tree species in the stand. Mix of black spruce, white pine and some hemlock near the upland edge.
7	4110 - Sugar Maple Association	High Density Pole	39.7	94	51-80	Stand thinned in 2002, TS#32-108-02-01. At present there is some maple regeneration, however there is no recruitment..
11	4110 - Sugar Maple Association	High Density Log	46.6	94	111-140	Stand meets criteria to thin. There are some sugar maple seedlings present in the stand but they are not getting over 6-8" in height.
13	42210 - Natural Red Pine	High Density Log	10.4	100	81-110	Red pine buffering pond
14	4119 - Mixed Northern Hardwoods	High Density Log	31.9	Uneven Age	111-140	Diverse stand, no cutting records besides a few pine being cut under permit #20-71A. Some steep terrain but harvestable.
16	6120 - Lowland Cedar	Medium Density Pole	3.2	83	1-50	Small stand of predominantly cedar with some black spruce and tamarack. Fairly open.
20	4130 - Aspen	High Density Sapling	15.0	5		A few overstory white pine and red oak. Stand was harvested in May 2005 by Minerick Logging, sale #32-109-02-01 "Nelson Brothers Road Sale". All oak, cherry, paper birch, conifers and ironwood were left. A shortwood operation was used and wood was forwarded to an existing landing on the adjacent private land. This area was not cut during the life of permit #20-71A.
21	4319 - Mixed Upland Forest	High Density Log	146.0	150	111-140	This is a two age stand as a result of past cutting. It is predominantly a white pine sawlog stand with an understory of aspen, some white birch and sugar maple. There is a patch of red pine sawlogs within this stand as well as a couple scattered patches of tamarack that occur at the bottom of the depressions. The stand was harvested between 1972-81 by Marvin and Emil Johnson, permit #20-71A "Nelson Brothers Road Sale". The red and white pine were marked to cut, white spruce 12-inches and up at stump diameter and aspen, birch, hardwood, fir and black spruce containing 2 or more sticks were also harvested.
24	4130 - Aspen	High Density Pole	43.2	38	81-110	Scattered extra large white pine. Stand was harvested between 1972-74 by Marvin and Emil Johnson, permit #20-71A "Nelson Brothers Road Sale". Specs were cut only aspen, birch, hardwood and those fir containing 2 or more sticks. FTP #W-113 was completed in June 1974 for cutting of the residual hardwood.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4130 - Aspen	High Density Pole	45.2	38	51-80	Scattered xlog white pine. should be an aspen-white pine type. Stand was harvested between 1972-74 by Marvin and Emil Johnson, permit #20-71A "Nelson Brothers Road Sale". Specs were cut only aspen, birch, hardwood and those fir containing 2 or more sticks. FTP #W-113 was completed in June 1974 for cutting of the residual hardwood.
27	42320 - Upland Spruce	Medium Density Pole	9.2	50	81-110	Witch Lake Access Site.
29	4130 - Aspen	High Density Pole	21.2	43	51-80	SCA=>Potential Old Growth. Stand was harvested in 1966-68 by Art Antilla, permit #16-66, all merchantable aspen had been cut. A followup harvest was completed in 1972, FTP #F-96, to remove the residual hardwood.
30	4130 - Aspen	Low Density Pole	65.4	46	1-50	This is a very sparse stand. There are a few pockets where the stocking is acceptable (west end east of M-95). Stand is listed as POG from 2000 comments.
31	4126 - White, Black, N. Pin Oak	High Density Pole	14.7	102	81-110	White oak or bur oak along the river. Ring count used on oak.
32	42290 - Natural Mixed Pine	Medium Density Log	21.9	56	111-140	Red pine seedtree Summer cut, need scarification! Or final harvest and seed to red pine.
35	4130 - Aspen	Low Density Pole	14.3	50	1-50	Could cut now via biomass or wait 1 more entry. Aspen is in poor shape. Clearcut, spray and plant red pine.
38	42210 - Natural Red Pine	Medium Density Log	14.0	125	81-110	No real benefit by us having this. No legal access. Public could access it by foot from CFA land to the west.
39	42340 - Upland Spruce/Fir	High Density Pole	5.2	76	111-140	Seedtree summer cut. Skid across low area w/culvert & fill. This will allow for scarification. All high ground.
40	4126 - White, Black, N. Pin Oak	High Density Pole	11.3	102		Stand borders Michigamme River, hard to get to. Trees are whiteoak or bur oak.
41	42360 - Upland Cedar	Medium Density Pole	3.9	90	81-110	Upland cedar, some red maple and w. birch mixed in. South end is low, ie floodplain.
42	4130 - Aspen	High Density Pole	22.3	38	81-110	Overstory white and red pine, a couple scattered oaks. Stand had been harvested in 1972 by Roy DeLongchamp & Sons for Escanaba Paper Co., permit #22/70A. Specs were to cut all merchantable aspen and birch and only the marked red and white pine, spruce 12" and larger stump diameter. A non-commercial harvest of the residual hardwood occurred in September 1973, FTP #F-83.
45	6120 - Lowland Cedar	Low Density Pole	6.8	80		Beaver flooded, fair amount of dead standing.

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Gwinn Mgt. Unit

5 – Forested Stands

Compartment: 246

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	4134 - Aspen, Spruce/Fir	High Density Pole	57.5	38	81-110	Some areas are pure balsam with no aspen, mainly along west edge. Stand was cut in 1972 by Roy DeLongchamp & Sons for Mead Corp, permit #34/70A. Specs were to cut all merchantable aspen, birch, hardwood and balsam. Black spruce with 3 or more sticks as well as white spruce with a stump diameter 12" and larger, marked red and white pine, and all cedar 10" and larger at stump diameter were to be cut also. Scattered residual red and white pine throughout the stand.
47	429 - Mixed Upland Conifers	High Density Pole	13.6	125	81-110	SCA=>Potential Old Growth. Scattered over story white and red pine, heavy balsam fir understory. Could call it a fir stand with a white pine super canopy.



Stand	Cover Type	Acres	Gen Cmts:
5	50 - Water	3.6	
6	50 - Water	2.4	
8	6224 - Treed Bog	9.8	
9	6225 - Bog	4.9	
10	320 - Upland Shrub	1.3	
12	50 - Water	2.7	
15	6224 - Treed Bog	3.2	
17	320 - Upland Shrub	1.1	
18	6224 - Treed Bog	1.2	
19	6224 - Treed Bog	11.0	
22	320 - Upland Shrub	1.0	
23	50 - Water	2.3	
25	622 - Lowland Shrub	5.5	
28	122 - Road/Parking Lot	1.1	
33	50 - Water	11.1	
34	622 - Lowland Shrub	4.0	
36	50 - Water	3.2	Since we have no public access to this lake we should consider disposal.
37	6229 - Mixed lowland shrub	10.5	



Stand	Cover Type	Acres	Gen Cmts:
43	6220 - Alder/willow	2.4	
44	50 - Water	11.8	Stand appeared to be cedar at one time. It is now a beaver flooding.
48	50 - Water	5.3	Michigamme River.



7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
2	Unique Site - SCA	32246002	14.3	SCA=>Potential Old Growth, deer wintering area.
3	Unique Site - SCA	32246003	8.9	SCA=>Potential Old Growth or Riparian corridor. Currently listed as POG designation, however this stand also borders Lotto Lake and an unnamed bog/pond.
4	Unique Site - SCA	32246004	9.5	SCA=>Potential Old Growth. Stand is currently listed under POG designation for deer wintering area. Could also be labeled as riparian corridor or water quality/BMP's as it borders and unnamed bog/pond.
13	Unique Site - SCA	32246013	10.4	POG designation.
29	SCA Removal	32246029	21.2	This stand is currently listed as Potential Old Growth. This recommendation should be dropped. The southern portion could be listed as riparian corridor since it directly borders the river.
30	SCA Removal	32246030	49.0	This stand is currently listed as Potential Old Growth. It is recommended to remove this designation and treat this stand.
30	Unique Site - SCA	32246030_exp-1	3.6	SCA=>Riparian Corridor. This stand is currently listed as Potential Old Growth. It is recommended to remove this designation and change it to riparian corridor.
30	Unique Site - SCA	32246030_small	5.2	SCA=>Riparian Corridor. Currently listed as Potential Old Growth, change to riparian corridor.
30	Unique Site - SCA	32246030_small_1	7.5	SCA=>Riparian Corridor. Currently listed as Potential Old Growth, change to riparian corridor.
31	Unique Site - SCA	32246031	14.7	SCA=>Riparian Corridor. Currently listed as Potential Old Growth, this should be changed to riparian corridor as it is along the river.
32	SCA Removal	32246032	21.9	Remove from Potential Old Growth status. The souther portion of this stand could be designated as a riparian corridor along the river, but the entire stand does not need to be listed under this condition.
35	SCA Removal	32246035	14.3	Stand currently listed as Potential Old Growth. Recommend removing this designation and treat this stand accordingly.
38	Unique Site - SCA	32246038	14.0	SCA=>Riparian Corridor. Currently listed as Potential Old Growth, recommend changing this to riparian corridor as it borders Just Lake.



7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
39	SCA Removal	32246039	5.2	Remove Potential Old Growth status and treat.
40	Unique Site - SCA	32246040	11.3	SCA=>Riparian Corridor. Change Potential Old Growth status to riparian corridor.
41	Unique Site - SCA	32246041	3.9	SCA=>Riparian Corridor. Change Potential Old Growth status to riparian corridor.
47	Unique Site - SCA	32246047	13.6	SCA=>Riparian corridor. Currently listed as POG. Change POG status to riparian corridor as this is a more appropriate designation.



8 – DEDICATED CONSERVATION AREA DETAILS

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

Data updated before 2:00 PM

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

Conservation Area	Type	Description
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	Concentrated Recreation Area	Facilities that are designed and maintained for routine or heavy recreational use, including State Parks, State Forest campgrounds, motorized and non-motorized trails, trailheads, staging areas and public access sites.
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.