



**Baraga Forest Management Unit
Compartment Review Presentation
Compartment #11 Entry Year: 2014
Compartment Acreage: 3353 County: Baraga**

Revision Date: 7/18/2012

Stand Examiner: Fred Hansen, John Turunen

Legal Description: T49N R34W Sec 15, 16, 17, 20, 21, 27, 28, 29, 31, 32, 33; T48N R34W Sec 2, 5

Identified Planning Goals ('Management Area' or 'RMU', if applicable): Baraga Plains

Management Goals: To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs.

Soil and Topography: The compartment is level to rolling. There are numerous small potholes to the south. Soils are Grayling sand, Kinross muck, Croswell sand, Kallio cobbly silt loam, and Arnheim mucky silt loam.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The area around Big Lake is developed with summer homes, with small private ownership's to the south and east. The lands to the north and west are in public ownership.

Unique, Natural Features: The Sturgeon River borders the south of the compartment and Big Lake is part of the compartment.

Archeological, Historical, and Cultural Features: None listed.

Special Management Designations or Considerations: A series of fields and surrounding land within the compartment are designated for waterfowl management. Big Lake State Forest Campground is in the compartment.

Watershed and Fisheries Considerations: Big Lake is shallow, reflecting low ground water.

Wildlife Habitat Considerations: Compartment 11 is found within the Baraga Plains Management Area. This area is an outwash plain located in west central Baraga County which is dominated by barrens and dry northern forests. Major forest cover types include Jack Pine, Aspen and Grass Openings. The Baraga Plains

management area provides a unique opportunity within the Western Upper Peninsula due to the size and spatial arrangement of compartments within the management area and adjacency to USFS ownership within a single outwash plain system. By using management strategies that closely mimic natural fire disturbance regimes this area provides some of the best opportunities for managing for Kirtland's Warbler in the Western Upper Peninsula. It also contains large wildlife openings that are actively managed for Canada geese by regular mowing and planting prescriptions.

Managing for mature stands of short-needled conifers is also a priority, in this MA and is beneficial for Spruce Grouse a featured species and in turn black-backed woodpeckers which have similar habitat requirements. Black-backed woodpeckers are a species of special concern which specialize in eating insect larvae in rotted trees.

The following have been identified, as featured species for the Baraga Plains Management Area: Black Bear, Canada Goose, Eastern Bluebird, Kirtland's Warbler, and Spruce Grouse.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of glacial sand and gravel and postglacial alluvium and fine-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation underlies the compartment. There is not a current economic use for the Michigamme. The nearest gravel pit is two and one-half miles to the east and potential appears to be limited. Four miles to the east are abandoned iron mines (Taylor) and a graphite pit. There are no lands currently leased for metallic exploration. There is no economic oil and gas production in the UP

Vehicle Access: Most of this compartment is accessible from established road systems.

Survey Needs: Survey work will be needed to facilitate timber harvest activities.

Recreational Facilities and Opportunities: Big Lake State Forest Campground. Part of the North Country hiking trail and part of the Baraga Plains ORV trail cross the compartment.

Fire Protection: There is a higher potential for wildfire in this compartment than many others. There is an urban interface with the camps around Big Lake being surrounded by jack pine forest types.

Additional Compartment Information:

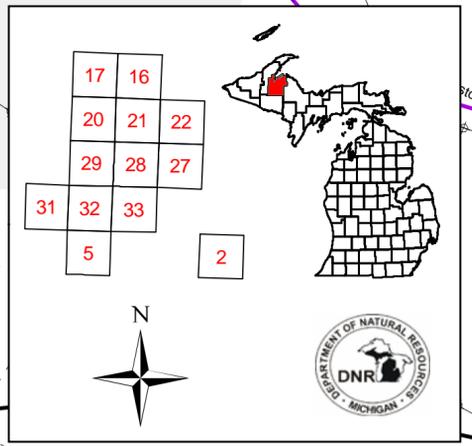
- **The following reports from the Inventory are attached:**
 - ◆ **Total Acres by Cover Type and Age Class**
 - ◆ **Proposed Treatment Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
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

Cover Type & Treatment Map

Compartment: 011
 T48N R34W Sec. 02, 06
 T49N R34W Sec. 16, 17, 20, 21
 22, 27, 28, 29, 31, 32, 33
 County: Baraga
 Unit: Baraga
 YOE: 2014
 Acres: 3,353 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 5/16/2012
 Map Phase: Pre-Review

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



Legend

- GPS Survey Corners
- Miris Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Pipeline
- Powerline
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Hiking Trails
- ORV Trails
- Snowmobile Trails
- ORV Trail
- Snowmobile Trail
- North Country Hiking Trail
- Big Lake State Forest Campground
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments

Forest Stands

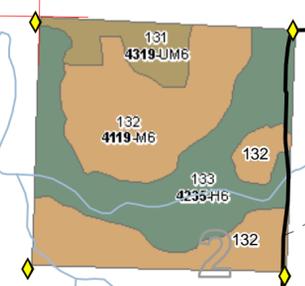
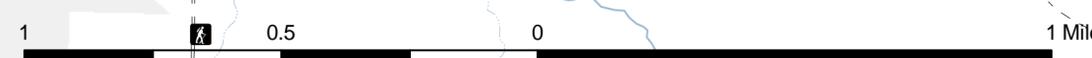
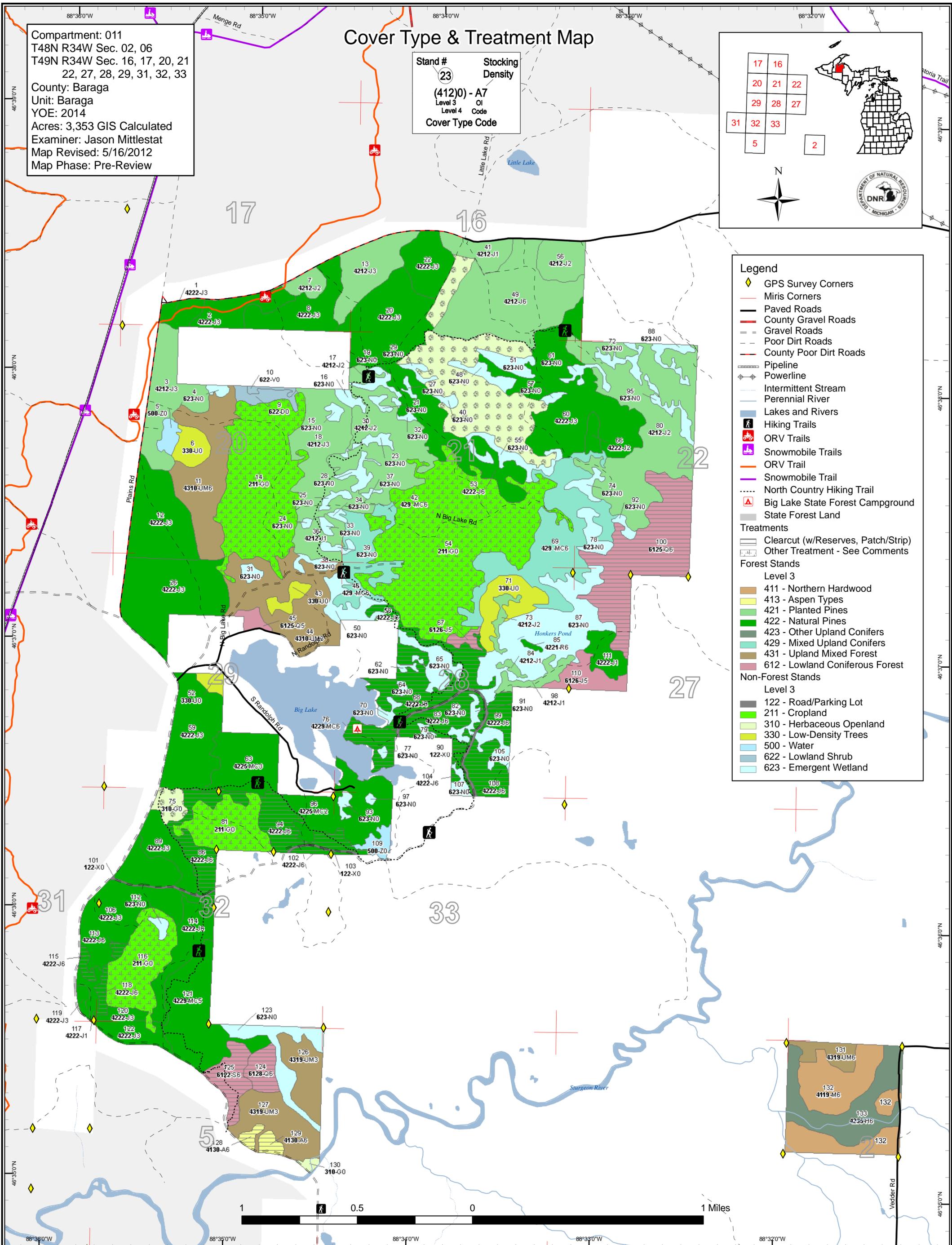
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

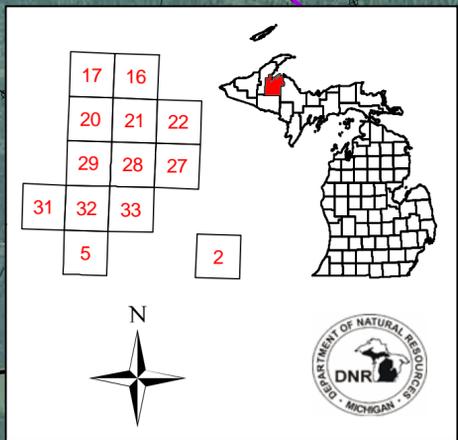
- 122 - Road/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



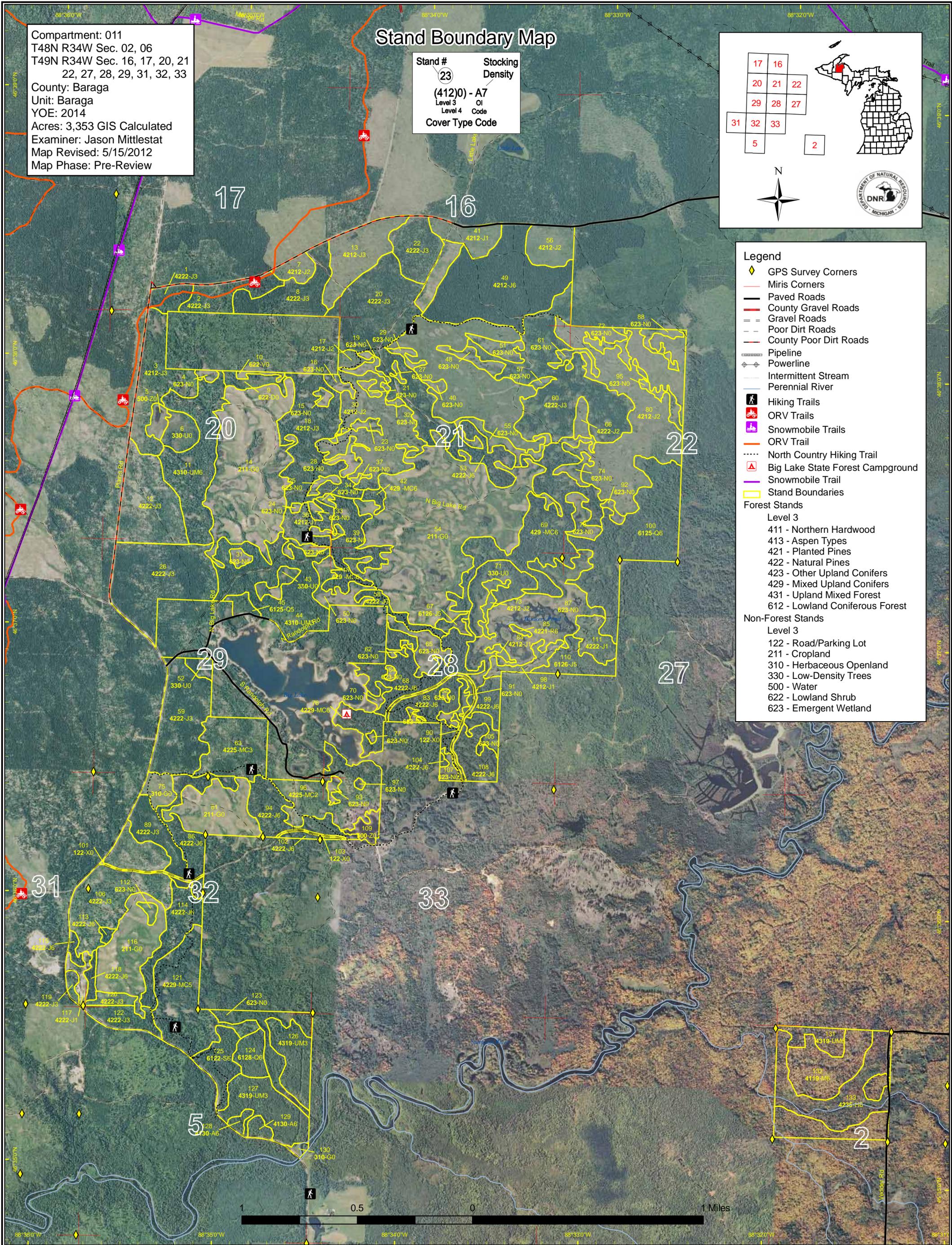
Compartment: 011
 T48N R34W Sec. 02, 06
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Stand Boundary Map

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



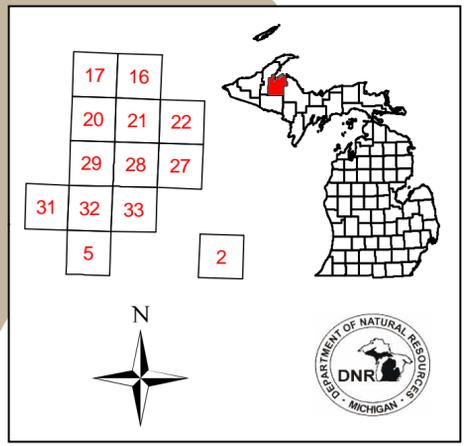
- Legend**
- ◆ GPS Survey Corners
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 - Pipeline
 - Powerline
 - Intermittent Stream
 - Perennial River
 - 🚶 Hiking Trails
 - 🚙 ORV Trails
 - 🏠 Snowmobile Trails
 - 🏠 ORV Trail
 - North Country Hiking Trail
 - 🏠 Big Lake State Forest Campground
 - Snowmobile Trail
 - 🟡 Stand Boundaries
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 Map Revised: 5/16/2012
 Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map

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



- Legend**
- Miris Corners
 - Stand Boundaries
 - Special Conservation Areas
 - Dedicated Management Areas
 - Cold Water Streams
 - Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
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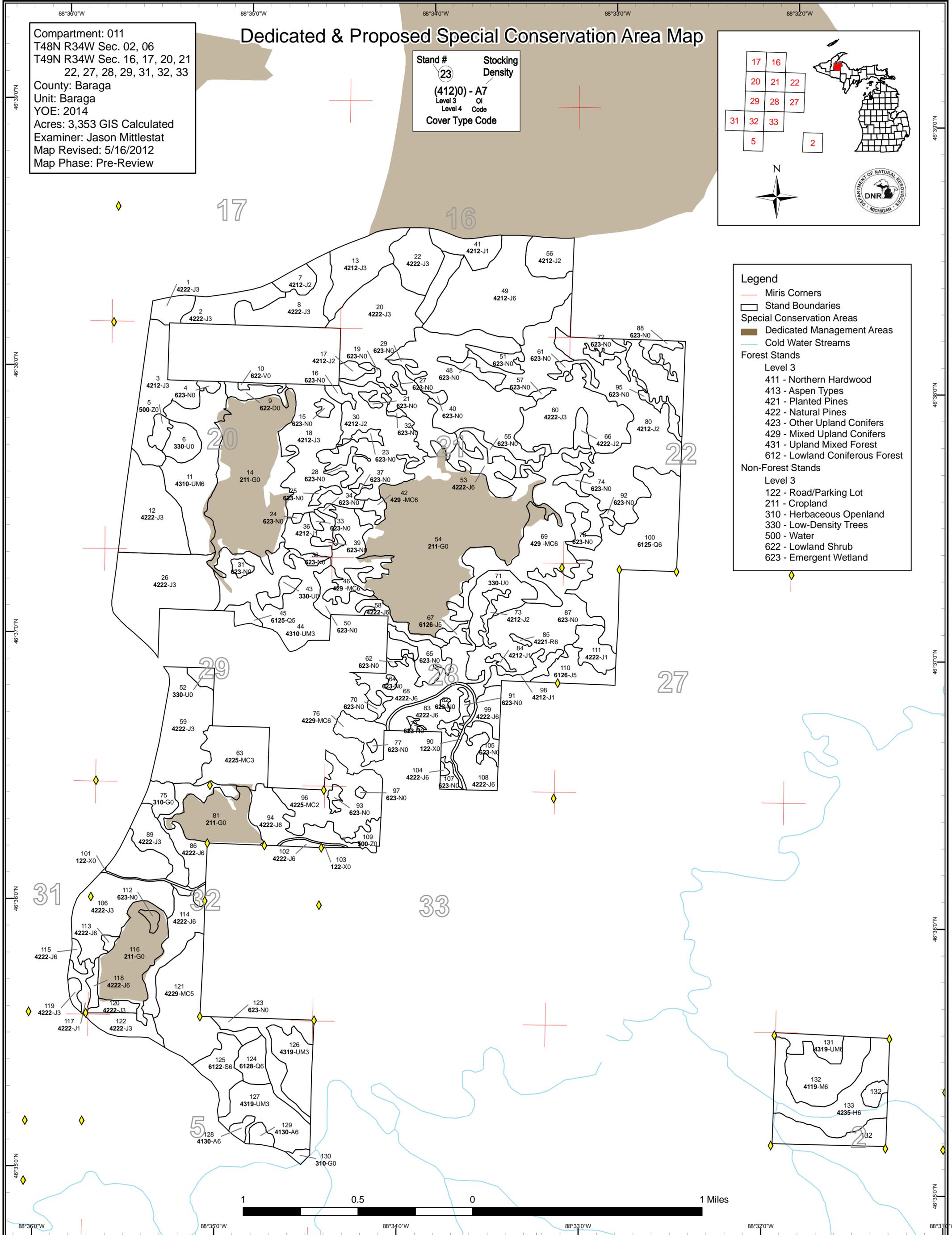


Table 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Cropland	461	0	0	0	0	0	0	0	0	0	0	0	0	0	461
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	59	59
Herbaceous Openland	130	0	0	0	0	0	0	0	0	0	0	0	0	0	130
Jack Pine	369	399	465	39	0	30	0	114	105	0	0	0	0	0	1519
Low-Density Trees	53	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Lowland Conifers	0	0	0	6	0	0	0	100	0	14	0	0	0	0	120
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	23	0	0	0	0	23
Marsh	310	0	0	0	0	0	0	0	0	0	0	0	0	0	310
Natural Mixed Pines	0	57	45	0	0	0	0	67	17	0	0	0	0	0	186
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	77	77
Red Pine	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Conifers	0	0	0	39	0	0	0	0	96	0	0	0	0	0	136
Upland Mixed Forest	0	70	78	0	0	0	0	69	0	0	0	0	0	14	231
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Total	1360	526	588	84	0	30	9	350	219	37	0	0	0	150	3353



Table 2 – Proposed Treatment Summaries

Baraga Mgt. Unit
Year of Entry 2014

Compartment 011
Total Compartment Acres: 3353

Acres by Treatment Type

Commercial Harvest - 362	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 327
Habitat Cut - 0	Opening Maintenance - 13	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	9	0	0	0	0	0	9
Jack Pine	199	0	0	0	0	0	199
Lowland Conifers	114	0	0	0	0	0	114
Lowland Spruce/Fir	23	0	0	0	0	0	23
Natural Mixed Pines	17	0	0	0	0	0	17
Total	362	0	0	0	0	0	362



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
58	11011058-Cut	10.1	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	42140 - Planted Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak. Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Protect the NCT. Do not allow whole tree harvesting.</p> <p><u>Next Steps:</u> Scarify within 1 year after harvest.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
67	11011067-Cut	4.6	6126 - Lowland Jack Pine	Medium Density Pole	81	1-50	Harvest	Clearcut with Reserves	42140 - Planted Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak. Retain spruce along the edges of the stand against riparian areas to equal 10%.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Do not allow whole tree harvesting.</p> <p><u>Next Steps:</u> Scarify within 1 year after harvest.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
68	11011068-Cut	48.2	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	42140 - Planted Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Protect the NCT. Do not allow whole tree harvesting.</p> <p><u>Next Steps:</u> Scarify within 1 year after harvest.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
76	11011076-Cut	16.5	42290 - Natural Mixed Pine	High Density Pole	83	51-80	Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine, red pine and oak unless marked with orange paint.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Treatment is to remove short lived species in Big Lake Campground that are overmature and becoming a hazard. Winter cut only.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
83	11011083-Cut	29.4	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	42140 - Planted Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak. Retain spruce <u>Specs:</u> along the edges of the stand against riparian areas to equal 10%.										
<u>Other</u> Do not allow whole tree harvesting. Protect the NCT <u>Comments:</u>										
<u>Next</u> Scarify within 1 year after harvest. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										
86	11011086-Cut	30.0	42220 - Natural Jack Pine	High Density Pole	73		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees except white pine, red pine and oak unless marked with orange paint. Retention for this stand will be greater than 3% and will <u>Specs:</u> consist of reserve tree species.										
<u>Other</u> Do not allow whole tree harvesting. Protect the NCT <u>Comments:</u>										
<u>Next</u> Scarify within 1 year of harvest completion. <u>Steps:</u> Plow lines are needed to block illegal vehicle traffic										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										
94	11011094-Cut	30.2	42220 - Natural Jack Pine	High Density Pole	73		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees except white pine, red pine and oak unless marked with orange paint. Retention for this stand will be greater than 3% and will <u>Specs:</u> consist of reserve tree species.										
<u>Other</u> Do not allow whole tree harvesting. Protect the NCT <u>Comments:</u>										
<u>Next</u> Scarify within 1 year of harvest completion. <u>Steps:</u> Plow lines are needed to block illegal vehicle traffic										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										
99	11011099-Cut	11.4	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	42140 - Planted Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak. Retain spruce <u>Specs:</u> along the edges of the stand against riparian areas to equal 10%.										
<u>Other</u> Do not allow whole tree harvesting. <u>Comments:</u>										
<u>Next</u> Scarify within 1 year after harvest. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
100	11011100-Cut	99.8	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	75		Harvest	Clearcut with Reserves	6125 - Lowland Black Spruce, Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u>: Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak. Retain spruce along the edges of the stand against riparian areas to equal 10%..</p> <p><u>Specs</u>:</p> <p><u>Other</u>: Do not allow whole tree harvesting.</p> <p><u>Comments</u>:</p> <p><u>Next</u>: Scarify within 1 year after harvest. Check for adequate regeneration within 5 years of harvest completion.</p> <p><u>Steps</u>:</p> <p><u>Proposed</u>: <u>Start Date</u>: 10/01/2013</p>										
102	11011102-Cut	3.3	42220 - Natural Jack Pine	High Density Pole	73		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u>: Harvest all species down to 2 inches DBH except white pine. Retention will be less than 3% since white pine only has 2% canopy composition.</p> <p><u>Specs</u>:</p> <p><u>Other</u>: Do not allow whole tree harvesting.</p> <p><u>Comments</u>:</p> <p><u>Next</u>: Scarify within 1 year of harvest completion.</p> <p><u>Steps</u>:</p> <p><u>Proposed</u>: <u>Start Date</u>: 10/01/2013</p>										
108	11011108-Cut	20.8	42220 - Natural Jack Pine	High Density Pole	73		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u>: Cut all trees except white pine and red pine unless marked with paint to no less than 50 sq ft ba where needed. Retain all oak. Retain spruce along the edges of the stand against riparian areas to equal 10%.</p> <p><u>Specs</u>:</p> <p><u>Other</u>: Do not allow whole tree harvesting. Protect the NCT</p> <p><u>Comments</u>:</p> <p><u>Next</u>: Scarify within 1 year after harvest.</p> <p><u>Steps</u>:</p> <p><u>Proposed</u>: <u>Start Date</u>: 10/01/2013</p>										
113	11011113-Cut	2.1	42220 - Natural Jack Pine	High Density Pole	79	51-80	Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u>: Cut all jack pine trees. No retention due to small acreage.</p> <p><u>Specs</u>:</p> <p><u>Other</u>: Do not allow whole tree harvesting.</p> <p><u>Comments</u>:</p> <p><u>Next</u>: It is possible plow lines might be needed to block illegal vehicle traffic. Scarify within 1 year of harvest completion.</p> <p><u>Steps</u>:</p> <p><u>Proposed</u>: <u>Start Date</u>: 10/01/2013</p>										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
115	11011115-Cut	3.7	42220 - Natural Jack Pine	High Density Pole	79		Harvest	Clearcut	42220 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees. no retention due to small acreage.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Do not allow whole tree harvesting.</p> <p><u>Next Steps:</u> Scarify within 1 year of harvest completion.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
118	11011118-Cut	4.6	42220 - Natural Jack Pine	High Density Pole	79		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine, red pine and oak unless marked with orange paint. No retention due to small acreage.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Do not allow whole tree harvesting.</p> <p><u>Next Steps:</u> Plow lines might be needed to block illegal vehicle traffic. Scarify within 1 year of harvest completion.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
124	11011124-Cut	14.4	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	95	81-110	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine, red pine, and oak. Leave all cedar unless needed for operability. Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. Cut no aspen over 20" DBH. Winter cut only.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Do not allow whole tree harvesting.</p> <p><u>Next Steps:</u> Check for adequate regeneration within 5 years of harvest completion.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
125	11011125-Cut	23.0	6122 - Black Spruce	High Density Pole	95	81-110	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<p><u>Prescription:</u> Cut all trees except white pine, red pine, and oak. Leave all cedar unless needed for operability. Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. Cut no aspen over 20" DBH. Winter cut only.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Do not allow whole tree harvesting. Protect the NCT.</p> <p><u>Next Steps:</u> Check for adequate regeneration within 5 years of harvest completion.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
128	11011128-Cut	3.8	4130 - Aspen	High Density Pole	65	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Cut all trees except white pine unless marked with paint. No retention due to small acreage. Do not cut aspen over 20" DBH.

Specs:

Other

Comments:

Next Check for adequate regeneration within 5 years of harvest completion.

Steps:

Proposed

Start Date: 10/01/2013

129	11011129-Cut	5.2	4130 - Aspen	High Density Pole	65		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Cut all trees except white pine unless marked with paint. No retention due to small acreage. Do not cut aspen over 20" DBH

Specs:

Other

Comments:

Next Check for adequate regeneration within 5 years of harvest completion.

Steps:

Proposed

Start Date: 10/01/2013

14	NF_11011014- NonFor	134.7	2113 - Forage Crops				Non-Forest Management	Other - Specify	31021 - Cool Season Grass	Cmpt. Review Proposal
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Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Specs:

Other
Comments:

Next

Steps:

Proposed

Start Date: Unspecified

54	NF_11011054- Other	229.7	2113 - Forage Crops				Other	Unspecified	31021 - Cool Season Grass	Cmpt. Review Proposal
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Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Specs:

Other
Comments:

Next

Steps:

Proposed

Start Date: Unspecified



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
81 NF_11011081- Other	43.6	2113 - Forage Crops				Other	Unspecified	31021 - Cool Season Grass	Cmpt. Review Proposal

Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

116 NF_11011116- Other	53.4	2113 - Forage Crops				Other	Unspecified	31021 - Cool Season Grass	Cmpt. Review Proposal
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Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

**Total Treatment
Acreage Proposed: 822.5**

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
104	11011104-Cut	1.0	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal

Prescription Cut all trees except white pine, red pine and oak unless marked with paint. No retention due to small acreage.

Specs:

Other Do not allow whole tree harvesting.

Comment:

Next Scarify within 1 year after harvest if needed. Check for adequate regeneration within 5 years of harvest completion.

Steps:

Proposed

Start Date: 10/01/2013

Limiting Factor and No 2H: Blocked by physical obstacle
Treatment Reason (e.g. upland stand in a lowland area)

**Total Treatment
Acreage Proposed: 1.0**

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
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: #Error

**Total Treatment
Acreage Proposed: 0**

S t a n d	Baraga Mgt. Unit		5 – Forested Stands			Compartment: 011	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
1	42220 - Natural Jack Pine	High Density Sapling	11.5	20			
2	42220 - Natural Jack Pine	High Density Sapling	24.8	28			
3	42120 - Planted Jack Pine	High Density Sapling	49.9	15			
7	42120 - Planted Jack Pine	Medium Density	9.9	6			
8	42220 - Natural Jack Pine	High Density Sapling	38.7	17			
11	4310 - Pine, Oak Mix	High Density Pole	68.9	78	51-80		
12	42220 - Natural Jack Pine	High Density Sapling	58.7	20			
13	42120 - Planted Jack Pine	High Density Sapling	40.4	6			
17	42120 - Planted Jack Pine	Medium Density	5.1	6			
18	42120 - Planted Jack Pine	High Density Sapling	69.3	20			
20	42220 - Natural Jack Pine	High Density Sapling	103.5	19			
22	42220 - Natural Jack Pine	High Density Sapling	29.0	20			
26	42220 - Natural Jack Pine	High Density Sapling	82.2	28			
30	42120 - Planted Jack Pine	Medium Density	71.6	6			
36	42120 - Planted Jack Pine	Low Density Sapling	18.0	6			
41	42120 - Planted Jack Pine	Low Density Sapling	19.1	6			
42	429 - Mixed Upland Conifers	High Density Pole	4.1	30			
44	4310 - Pine, Oak Mix	High Density Sapling	77.9	28			



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Baraga Mgt. Unit

5 – Forested Stands

Compartment: 011
Year of Entry: 2014

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45 6125 - Lowland Black Spruce, Jack Pine	Medium Density Pole	5.8	35		
46 429 - Mixed Upland Conifers	High Density Pole	35.0	30		
49 42120 - Planted Jack Pine	High Density Pole	104.3	25		
53 42220 - Natural Jack Pine	High Density Pole	21.9	38		
56 42120 - Planted Jack Pine	Medium Density	21.6	6		
58 42220 - Natural Jack Pine	High Density Pole	10.1	81		
59 42220 - Natural Jack Pine	High Density Sapling	60.9	28		
60 42220 - Natural Jack Pine	High Density Sapling	112.0	17		
63 42250 - Pine, Oak	High Density Sapling	45.4	28		
66 42220 - Natural Jack Pine	Medium Density	6.1	6		
67 6126 - Lowland Jack Pine	Medium Density Pole	4.6	81	1-50	
68 42220 - Natural Jack Pine	High Density Pole	48.2	81		
69 429 - Mixed Upland Conifers	High Density Pole	96.4	81	51-80	
73 42120 - Planted Jack Pine	Medium Density	5.9	5		
76 42290 - Natural Mixed Pine	High Density Pole	16.5	83	51-80	
80 42120 - Planted Jack Pine	Medium Density	141.7	6		
83 42220 - Natural Jack Pine	High Density Pole	29.4	81		
84 42120 - Planted Jack Pine	Low Density Sapling	2.5	5		

S t a n d	Baraga Mgt. Unit		5 – Forested Stands			Compartment: 011
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014
						General Comments:
85	42210 - Natural Red Pine	High Density Pole	1.3	81		
86	42220 - Natural Jack Pine	High Density Pole	30.0	73		
89	42220 - Natural Jack Pine	High Density Sapling	24.1	28		
94	42220 - Natural Jack Pine	High Density Pole	30.2	73		
96	42250 - Pine, Oak	Medium Density	56.8	14		
98	42120 - Planted Jack Pine	Low Density Sapling	10.7	5		
99	42220 - Natural Jack Pine	High Density Pole	11.4	81		
100	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	99.8	75		
102	42220 - Natural Jack Pine	High Density Pole	3.3	73		
104	42220 - Natural Jack Pine	High Density Pole	1.0	81		
106	42220 - Natural Jack Pine	High Density Sapling	78.0	18		
108	42220 - Natural Jack Pine	High Density Pole	20.8	73		
110	6126 - Lowland Jack Pine	Medium Density Pole	19.1	75	1-50	
111	42220 - Natural Jack Pine	Low Density Sapling	16.0	5		
113	42220 - Natural Jack Pine	High Density Pole	2.1	79	51-80	
114	42220 - Natural Jack Pine	High Density Pole	29.6	52	51-80	
115	42220 - Natural Jack Pine	High Density Pole	3.7	79		
117	42220 - Natural Jack Pine	Low Density Sapling	7.0	15		



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Baraga Mgt. Unit

5 – Forested Stands

Compartment: 011
Year of Entry: 2014

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42220 - Natural Jack Pine	High Density Pole	4.6	79		
42220 - Natural Jack Pine	High Density Sapling	3.7	18		
42220 - Natural Jack Pine	High Density Sapling	6.4	18		
42290 - Natural Mixed Pine	Medium Density Pole	67.2	73		
42220 - Natural Jack Pine	High Density Sapling	17.0	30		
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	14.4	95	81-110	
6122 - Black Spruce	High Density Pole	23.0	95	81-110	
4319 - Mixed Upland Forest	High Density Sapling	28.8	15		
4319 - Mixed Upland Forest	High Density Sapling	41.6	15		
4130 - Aspen	High Density Pole	3.8	65	81-110	
4130 - Aspen	High Density Pole	5.2	65		
4319 - Mixed Upland Forest	High Density Pole	14.2	Uneven Age	81-110	
4119 - Mixed Northern Hardwoods	High Density Pole	76.9	Uneven Age	81-110	
42350 - Upland Hemlock	High Density Pole	58.9	Uneven Age		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	623 - Emergent Wetland	2.6	No	Unspecified	
5	50 - Water	6.6	No	Unspecified	
6	3302 - Low Density Conifer Trees	13.7	No	Unspecified	
9	6224 - Treed Bog	9.1	No	Unspecified	
10	6225 - Bog	2.4	No	Unspecified	
14	2113 - Forage Crops	134.7	Yes	Unspecified	
15	6239 - Mixed Emergent Wetland	2.7	No	Unspecified	
16	6239 - Mixed Emergent Wetland	4.1	No	Unspecified	
19	6239 - Mixed Emergent Wetland	6.1	No	Unspecified	
21	6239 - Mixed Emergent Wetland	2.3	No	Unspecified	
23	6239 - Mixed Emergent Wetland	4.4	No	Unspecified	
24	6239 - Mixed Emergent Wetland	1.1	No	Unspecified	
25	6239 - Mixed Emergent Wetland	3.0	No	Unspecified	
27	6239 - Mixed Emergent Wetland	1.5	No	Unspecified	
28	6239 - Mixed Emergent Wetland	6.3	No	Unspecified	
29	6239 - Mixed Emergent Wetland	3.4	No	Unspecified	
31	6239 - Mixed Emergent Wetland	3.5	No	Unspecified	
32	6239 - Mixed Emergent Wetland	1.3	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
33	6239 - Mixed Emergent Wetland	2.1	No	Unspecified	
34	6239 - Mixed Emergent Wetland	1.8	No	Unspecified	
35	3102 - Grass	13.1	Planted	Jack Pine	
37	6239 - Mixed Emergent Wetland	1.1	No	Unspecified	
38	6239 - Mixed Emergent Wetland	4.6	No	Unspecified	
39	6239 - Mixed Emergent Wetland	3.2	No	Unspecified	
40	6239 - Mixed Emergent Wetland	2.3	No	Unspecified	
43	3302 - Low Density Conifer Trees	7.2	No	Unspecified	
47	3102 - Grass	104.2	Planted	Jack Pine	
48	6239 - Mixed Emergent Wetland	7.8	No	Unspecified	
50	6239 - Mixed Emergent Wetland	15.2	No	Unspecified	
51	6239 - Mixed Emergent Wetland	9.3	No	Unspecified	
52	3302 - Low Density Conifer Trees	5.2	No	Unspecified	
54	2113 - Forage Crops	229.7	Yes	Medium (NonForested)	
55	6239 - Mixed Emergent Wetland	13.4	No	Unspecified	
57	6239 - Mixed Emergent Wetland	2.1	No	Unspecified	
61	6239 - Mixed Emergent Wetland	5.2	No	Unspecified	
62	623 - Emergent Wetland	1.3	N/A	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
64	6239 - Mixed Emergent Wetland	1.6	No	Unspecified	
65	6239 - Mixed Emergent Wetland	16.7	No	Unspecified	
70	6239 - Mixed Emergent Wetland	3.1	No	Unspecified	
71	3303 - Mixed Low Density Trees	27.3	No	Unspecified	
72	6239 - Mixed Emergent Wetland	7.0	No	Unspecified	
74	6239 - Mixed Emergent Wetland	5.6	No	Unspecified	
75	3102 - Grass	10.7	Planted	Jack Pine	
77	6239 - Mixed Emergent Wetland	1.0	No	Unspecified	
78	6239 - Mixed Emergent Wetland	9.8	No	Unspecified	
79	6239 - Mixed Emergent Wetland	1.5	No	Unspecified	
81	2113 - Forage Crops	43.6	Yes	Medium (NonForested)	
82	6239 - Mixed Emergent Wetland	1.1	No	Unspecified	
87	6239 - Mixed Emergent Wetland	83.5	No	Unspecified	
88	6239 - Mixed Emergent Wetland	6.5	No	Unspecified	
90	122 - Road/Parking Lot	6.2	No	Unspecified	
91	6239 - Mixed Emergent Wetland	5.6	No	Unspecified	
92	6239 - Mixed Emergent Wetland	2.8	No	Unspecified	
93	6239 - Mixed Emergent Wetland	2.9	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
95	6239 - Mixed Emergent Wetland	7.1	No	Unspecified	
97	6239 - Mixed Emergent Wetland	1.0	No	Unspecified	
101	122 - Road/Parking Lot	2.3	No	Unspecified	
103	122 - Road/Parking Lot	1.5	No	Unspecified	
105	6239 - Mixed Emergent Wetland	8.7	No	Unspecified	
107	6239 - Mixed Emergent Wetland	4.4	No	Unspecified	
109	50 - Water	7.6	No	Unspecified	
112	6239 - Mixed Emergent Wetland	3.0	No	Unspecified	
116	2113 - Forage Crops	53.4	Yes	Medium (NonForested)	
123	6239 - Mixed Emergent Wetland	25.7	No	Unspecified	
130	3102 - Grass	2.4	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
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8 – DEDICATED CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.