



**Escanaba Forest Management Unit
Compartment Review Presentation
Compartment #025 Entry Year: 2013
Compartment Acreage: 641 County: Menominee**

Revision Date: July 18, 2011

Stand Examiner: Dustin Salter, Forester, FMD; Bill Rollo, Wildlife Division

Legal Description: T35N R28W Sections 31 and 32

Management Goals: This compartment's two major cover types are aspen and lowland conifer. There are five aspen and upland mixed stands that will be final harvested this decade. There are also five lowland conifer stands that will be harvested. These stands are over mature and are in need of treatment while there still are viable seed trees. The eastern larch beetle is present within the compartment. This beetle is killing the tamarack within the compartment and throughout Menominee County.

Soil and Topography: This compartment contains Pemene-Rubicon Complex, Onaway Loam, and Lupton-Tawas Association. This compartment is made up of well drained fine sandy loams with areas of poorly drained black muck. The terrain is nearly level with areas of undulating topography.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is located on the southern edge of a block of state forest land that is about 20 miles long and 8 miles wide in the southwestern part of Menominee County. In and around the compartment the land holdings are broken up, with many private parcels within this block of state land. The east edge of the compartment is completely surrounded by private property. The primary use for this area is for recreation.

Unique, Natural Features: None

Archeological, Historical, and Cultural Features: None known

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: There are some tributaries to the Burke Creek that flow out of this compartment.

Wildlife Habitat Considerations: This compartment is within the Menominee End Moraine Management Area. It contains forest types that are adapted to sandy outwash plain conditions. Most of the Forest Unit's oak resource is located here, and perpetuation of this cover type is of high priority. The presence of oak wilt disease increases the urgency to find management solutions to oak regeneration challenges. Several of the stands prescribed for harvest contain an aging oak resource. Some of this oak will be harvested to provide stump-sprout regeneration or to open the canopy for acorn germination. Variable retention rates of mature oak trees were applied to these stands to ensure a mast source for wildlife is maintained following timber harvest. A large (83-acre) lowland conifer stands is being harvested due to extensive mortality of tamarack and the desire to regenerate it. The thickest area of cedar in this stand will be retained to provide wildlife winter cover.

Mineral Resource and Development Concerns and/or Restrictions: Sections 30 – 32, T35N-R28W, Menominee County Surface sediments consist of an end moraine of coarse-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Cambrian Munising Formation underlies the glacial drift. There is not an economic use for the Munising, but it overlaps Precambrian aged rocks, which may have metallic and nonmetallic mineral potential. State land leased for metallic mineral exploration is located one mile to the northeast. A gravel pit is located in Section 28 less than one-half mile to the northeast of the compartment, and there appears to be good potential. No economic oil and gas production has been found in the UP.

Vehicle Access: The west edge of the compartment is accessed of the Sturgeon Landing Road. Currently the only access into section 32 is through private land and it is only for department use. A two-track road in compartment 29 to the south is scheduled to be improved and opened up to access a timber sale in that compartment. This road will remain open after the timber sale to allow the general public access into this portion of state land.

Survey Needs: Nine or ten corners will need to be set.

Recreational Facilities and Opportunities: There are no developed facilities within this compartment. The primary recreational uses are hunting and four-wheeling.

Fire Protection: This compartments landscape is broken up with lowland cover types so it would be very difficult for a large scale fire to occur. Access into this compartment is very good for suppression activities. There are also water sources near by.

Additional Compartment Information: Portions of stands 11 and 14 were in SCA status previously. These areas are having their designations removed. They do not link up with any other stands in adjacent compartments.

- **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**

Table 1 – Total Acres by Cover Type and Age Class



	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	93	0	71	0	0	65	24	0	0	0	0	0	0	0	254
Cedar	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	48
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	105	6	0	0	0	111
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	9	8	0	0	0	18
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	55
Northern Hardwood	0	0	0	0	0	0	0	0	0	40	4	0	0	0	0	44
Tamarack	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	45
Upland Mixed Forest	0	0	40	24	0	0	0	0	0	0	0	0	0	0	0	64
Total	3	93	40	95	0	0	65	24	0	95	164	62	0	0	0	642



Table 2 – Proposed Treatment Summaries

Escanaba Mgt. Unit
Year of Entry 2013

Compartment 025
Total Compartment Acres: 641.9

Acres by Treatment Type

Commercial Harvest - 294	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	90	0	0	0	0	0	90
Lowland Conifers	0	0	89	0	0	0	89
Lowland Spruce/Fir	0	0	15	0	0	0	15
Mixed Upland Deciduous	55	0	0	0	0	0	55
Tamarack	0	0	45	0	0	0	45
Total	145	0	149	0	0	0	294



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	33025001-Cut	8.3	6122 - Black Spruce	High Density Pole	106	Harvest	Seed Tree with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest this stand, leaving an adequate seed source and retention.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stunted black spruce stand with some poor quality tamarack, jack pine, and red pine mixed in.</p> <p><u>Comments:</u></p> <p><u>Next</u> Manage this stand for spruce and tamarack, but a mix with other lowland species is acceptable.</p> <p><u>Steps:</u></p>									
5	33025005-Cut	55.3	4199 - Other Mixed Upland Deciduous	Medium Density Log	86	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut this stand, leaving 10% retention. The retention should consist primarily of oak. Within this stand cut all other stems greater than 4".</p> <p><u>Specs:</u> This stand will be managed for a mix of oak and aspen primarily.</p> <p><u>Other</u> This stand was cut in 1999 on contract 025-98-01. All species were cut, except oak, cedar, hemlock, beech, and some pine. The east half of the stand came back fairly well to aspen, but the west half is heavier to residual oak. This oak shaded out the aspen and other species from sprouting. Where the canopy has been opened up there is a substantial amount of oak saplings. About a 3 acre portion of this stand was treated for oak wilt in 2010-2011, this was in the northern part. The overall basal area of the mature stems is about 50.</p> <p><u>Comments:</u></p> <p><u>Next</u> Scarify this stand before it is harvested to expose some mineral soil to allow some of the acorns to start to become established prior to harvesting it. This will also allow for some pine to also seed in. With the combination of existing regeneration and oak stump sprouts following the harvest this stand should become fully stocked. Only about half of this stand will need to be scarified, the remainder of the stand has adequate regeneration.</p>									
6	33025006-Cut	5.8	6129 - Mixed Coniferous Lowland Forest	High Density Pole	106	Harvest	Seed Tree with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest this stand leaving an adequate seed source and retention.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> Manage this stand for tamarack, spruce, and cedar. But a mix with other lowland species is acceptable. About 60 cords of cedar would be cut in this stand.</p>									
8	33025008-Cut	35.5	4139 - Aspen, Mixed Deciduous	Medium Density Pole	52	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut, leaving all red pine, white pine, white oak, beech, and leave some scattered pin oak in areas where there is no dead oak. Leave 5% retention in the stand. Cut all other species greater than 3 inches.</p> <p><u>Specs:</u></p> <p><u>Other</u> Aspen stand with a mix of oak, pine, and red maple. The dead oak was cut out of this stand on a permit between 1995 and 1998. There is a large percentage of dead oak in this stand now as well. Will have to check to determine if it is oak wilt, at first glance it is hard to tell because there is so much dead. Where the stand has been opened up before there is quite a bit of advanced oak regeneration.</p> <p><u>Comments:</u></p> <p><u>Next</u> Manage this stand for a mix of aspen and oak primarily, but a mix of the other overstory species is acceptable.</p> <p><u>Steps:</u></p>									
9	33025009-Cut	9.4	4130 - Aspen	High Density Pole	53	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut this stand, leaving all white oak, red pine, white pine, and pin oak seedlings less than 3 inches in diameter. Mark some larger diameter pin oak to retain as well. Cut all other species 3" and larger.</p> <p><u>Specs:</u></p> <p><u>Other</u> Mature aspen with a thick understory of hazel brush.</p> <p><u>Comments:</u></p> <p><u>Next</u> Manage this stand for aspen and oak.</p> <p><u>Steps:</u></p>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	33025012-Cut	83.3	6129 - Mixed Coniferous Lowland Forest	High Density Pole	98	Harvest	Seed Tree with Reserves	6121 - Tamarack	Cmpt. Review Proposal

Prescription Harvest this stand. Leave an adequate amount of spruce and tamarack seed trees. Also retain the thick cedar area in the north central part of the stand, this will be about two acres in size.

Other Overall this stand is a lowland mix, but there are areas that are heavier to tamarack, spruce, and cedar. There are also a number of upland knobs and ridges within the stand. These ridges consist mainly of balsam fir, aspen, and birch. The southern part of this stand was strip cut in 1995. The harvested area has fully regenerated to tamarack and spruce primarily. The leave strips were very narrow so they will be retained also there is a couple acre area of black ash and tagalder included. This southern area will not have the harvest treatment applied to it. Also there is an area of thick larger diameter cedar on the far east of the stand that will be retained from harvest.

Next Manage this stand for tamarack, spruce, and cedar; but a mix with any other lowland species is acceptable.

15	33025015-Cut	6.1	4139 - Aspen, Mixed Deciduous	High Density Pole	60	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut this stand, retaining the oak and cherry .

Specs:

Other Decent quality stand with a mix of species.

Comments:

Next Manage this stand for aspen and balm primarily, but a mix with the other overstory species is acceptable.

Steps:

16	33025016-Cut	25.8	6121 - Tamarack	Medium Density Pole	98	Harvest	Seed Tree with Reserves	6121 - Tamarack	Cmpt. Review Proposal
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Prescription Harvest this stand, leaving enough seed trees to provide an adequate seed source and to meet the retention guidelines.

Specs:

Other This stand is not fully stocked, but there is enough volume to harvest it. There is a 3 to 4 acre upland patch in the center of the stand. There would be about 40 to 50 cords of cedar harvested within this stand.

Next Manage this stand for tamarack and spruce primarily, but a mix with any other lowland species is acceptable.

Steps:

17	33025017-Cut	18.4	4134 - Aspen, Spruce/Fir	High Density Pole	60	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Clearcut this stand, leaving the oak and cedar for retention and diversity.

Specs:

Other Stand is primarily a mix of aspen, birch, and balsam fir. The birch is older than the aspen.

Comments:

Next Manage this stand for aspen primarily, but a mix with any of the overstory species is acceptable.

Steps:

19	33025019-Cut	6.8	6122 - Black Spruce	High Density Pole	96	Harvest	Seed Tree with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
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Prescription Harvest this stand leaving enough seed trees to meet the retention guidelines and provide an adequate seed source.

Specs:

Other Stunted black spruce stand.

Comments:

Next Manage this stand for black spruce and tamarack, but any mix of lowland species is acceptable.

Steps:

**Total Treatment
Acreage Proposed: 254.8**

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
21 33025021-Cut	19.3	6121 - Tamarack	Medium Density Pole	96	Harvest	Seed Tree with Reserves	6121 - Tamarack	Cmpt. Review Proposal

Prescription Harvest this stand, leaving enough seed trees to provide an adequate seed source and meet the retention guidelines.

Specs:

Other Comment: Poor quality lowland swamp, with pockets of tagalder within it. Stand containns mostly tamarack, but there are other lowland species mixed in. This stand might need to be factor limited due to access issues. We will need to get permission from one of the adjacent landowners to cross their property. About 30 cords of cedar would be harvested.

Next Steps: Manage this stand for tamarack, but any mix of lowland species is acceptable.

Limiting Factor and No Treatment Reason 2A: Adjacent landowner denies access

22 33025022-Cut	20.2	4133 - Aspen, Mixed Pine	High Density Pole	50	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut this stand, leaving a two acre retention patch on the south end of the stand in the area that consists primarily of pine and oak.

Specs:

Other Comment: Decent quality aspen w some pine, oak, and balsam fir mixed in. The pine and oak is primarily in the southern third of the stand. This stand will have to be factor limited due to access. We will have to get permission from one of the adjacent landowners to access this stand.

Next Steps: Manage this stand for aspen primarily, but a mix with pine and oak is acceptable. The oak will regenerate via stump sprouting after harvest.

Limiting Factor and No Treatment Reason 2A: Adjacent landowner denies access

**Total Treatment
Acreage Proposed: 39.4**

**Out of YOE -- Treatments
Prescribed with No Limiting Factor**

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33002_OutOfY OE-Cut	0.7				Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal

Prescription Final harvest this stand, leaving some seed trees. Harvest this stand with stand 13 in comp 1.

Specs:

Other Decent quality tamarack and spruce stand.

Comments:

Next Manage this stand for a mix of tamarack and spruce primarily, but a mix with other lowland species is acceptable.

Steps:

**Total Treatment
Acreage Proposed: 0.7**

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Escanaba Mgt. Unit

5 – Forested Stands

Compartment: 025
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6122 - Black Spruce	High Density Pole	8.3	106		Stunted black spruce stand with some poor quality tamarack, jack pine, and red pine mixed in.
2	4319 - Mixed Upland Forest	High Density Pole	23.9	27		The red pine was planted in 1984. This stand is not fully stocked with red pine, but in the areas where it is not heavy to red pine there is an abundance of oak stump sprouts and acorn origin saplings. This stand is fully stocked. This stand will be managed more as a natural pine stand.
3	4131 - Aspen, Oak	High Density Sapling	76.9	7		This stand was final harvested in 2004 on contract 036-03-01. The north third of the stand was treated for oak wilt as well. After the oak wilt area was harvested it was scarified with a brakke scarifier and than hand planted with a mix of red oak and white pine seedlings. There was one oak planted and than 3 to 4 pine planted and than another oak, with this being repeated throughout the area. The oak seedlings had tree shelters placed on them as well. These seedlings were planted in 2010. There is also quite a bit of advanced oak regeneration throughout the stand.
4	6120 - Lowland Cedar	High Density Pole	48.1	106		Not high quality cedar, with areas that are heavier to tamarack and spruce. The tamarack and spruce are ready to be harvested, but hold 10 years because of all of the lowland conifer stands prescribed for treatment in this comp. There were five strips cut out of this stand between 1962 and 1965. These strips are fully regenerated. The tamarack within them is nearly the same size as the tamarack within the rest of the stand.
5	4199 - Other Mixed Upland Deciduous	Medium Density Log	55.3	86	51-80	This stand was cut in 1999 on contract 025-98-01. All species were cut, except oak, cedar, hemlock, beech, and some pine. The east half of the stand came back fairly well to aspen, but the west half is heavier to residual oak. This oak shaded out the aspen and other species from sprouting. Where the canopy has been opened up there is a substantial amount of oak saplings. About a 3 acre portion of this stand was treated for oak wilt in 2010-2011, this was in the northern part.
6	6129 - Mixed Coniferous Lowland Forest	High Density Pole	5.8	106		Small lowland conifer swamp.
7	6122 - Black Spruce	High Density Pole	2.6	91		Stagnated lowland conifer stand.
8	4139 - Aspen, Mixed Deciduous	Medium Density Pole	35.5	52		Aspen stand with a mix of oak, pine, and red maple. The dead oak was cut out of this stand on a permit between 1995 and 1998. There is a large percentage of dead oak in this stand now as well. Will have to check to determine if it is oak wilt, at first glance it is hard to tell because there is so much dead. Where the stand has been opened up before there is quite a bit of advanced oak regeneration.
9	4130 - Aspen	High Density Pole	9.4	53		Mature aspen with a thick understory of hazel brush.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
11	4319 - Mixed Upland Forest	High Density Sapling	40.5	17		This stand was final harvested in 1994 on contract 023-93-01; except the pine, cedar, hemlock, oak, and spruce less than 10" was retained. There was a buffer left on a small creek in the southwestern corner of the stand when it was cut. This area was an SCA, but we are recommending removing the SCA designation from it.
12	6129 - Mixed Coniferous Lowland Forest	High Density Pole	105.4	98		Overall this stand is a lowland mix, but there are areas that are heavier to tamarack, spruce, and cedar. There are also a number of upland knobs and ridges within the stand. These ridges consist mainly of balsam fir, aspen, and birch. The southern part of this stand was strip cut in 1995. The harvested area has fully regenerated to tamarack and spruce primarily. The leave strips were very narrow so they will be retained also there is a couple acre area of black ash and tagalder included. This southern area will not have the harvest treatment applied to it. Also there is an area of thick larger diameter cedar on the far east of the stand that will be retained from harvest.
13	4110 - Sugar Maple Association	High Density Pole	4.1	91	81-110	Stand was thinned in 2004 on contract 029-03-01.
14	4136 - Aspen, Mixed Conifer	High Density Sapling	71.3	27		This stand was cut between 1984 and 1988, there was some scattered pine and oak left. There is a small drain/creek that flows through the eastern third of this stand and a buffer was left on it when the stand was harvested. This stand had the SCA designation. Both wildlife and forest management is in favor of removing this designation.
15	4139 - Aspen, Mixed Deciduous	High Density Pole	6.1	60		Decent quality stand with a mix of species.
16	6121 - Tamarack	Medium Density Pole	25.8	98		This stand is not fully stocked, but there is enough volume to harvest it. There is a 3 to 4 acre upland patch in the center of the stand.
17	4134 - Aspen, Spruce/Fir	High Density Pole	18.4	60		Stand is primarily a mix of aspen, birch, and balsam fir. The birch is older than the aspen.
18	4110 - Sugar Maple Association	High Density Pole	39.5	80	81-110	This stand was last thinned in 1993-1994 on contract 003-93-01. This stand is not ready to be thinned yet.
19	6122 - Black Spruce	High Density Pole	6.8	96		Stunted black spruce stand.
20	4130 - Aspen	Medium Density	16.0	7		Stand was final harvested in 2004 on contract 029-03-01.
21	6121 - Tamarack	Medium Density Pole	19.3	96		Poor quality lowland swamp, with pockets of tagalder within it. Stand contains mostly tamarack, but there are other lowland species mixed in. This stand might need to be factor limited due to access issues. We will need to get permission from one of the adjacent landowners to cross their property.

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Escanaba Mgt. Unit

5 – Forested Stands

Compartment: 025

Year of Entry: 2013



Level 4
Cover Type

Size
Density

Acres

Stand
Age

BA
Range

General
Comments:

22

4133 - Aspen, Mixed
Pine

High Density
Pole

20.2

50

Decent quality aspen w some pine, oak, and balsam fir mixed in. The pine and oak is primarily in the southern third of the stand. This stand will have to be factor limited due to access. We will have to get permission from one of the adjacent landowners to access this stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
10	629 - Mixed non-forested wetland	2.6	No	Low (NonForested)	

**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
11	SCA Removal	33025011	40.5	This stand contains a small buffer along a creek that was coded as SCA previously. We are removing this designation.
14	SCA Removal	33025014	71.3	This stand contains a small buffer along a creek that was coded as SCA previously. We are removing this 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.

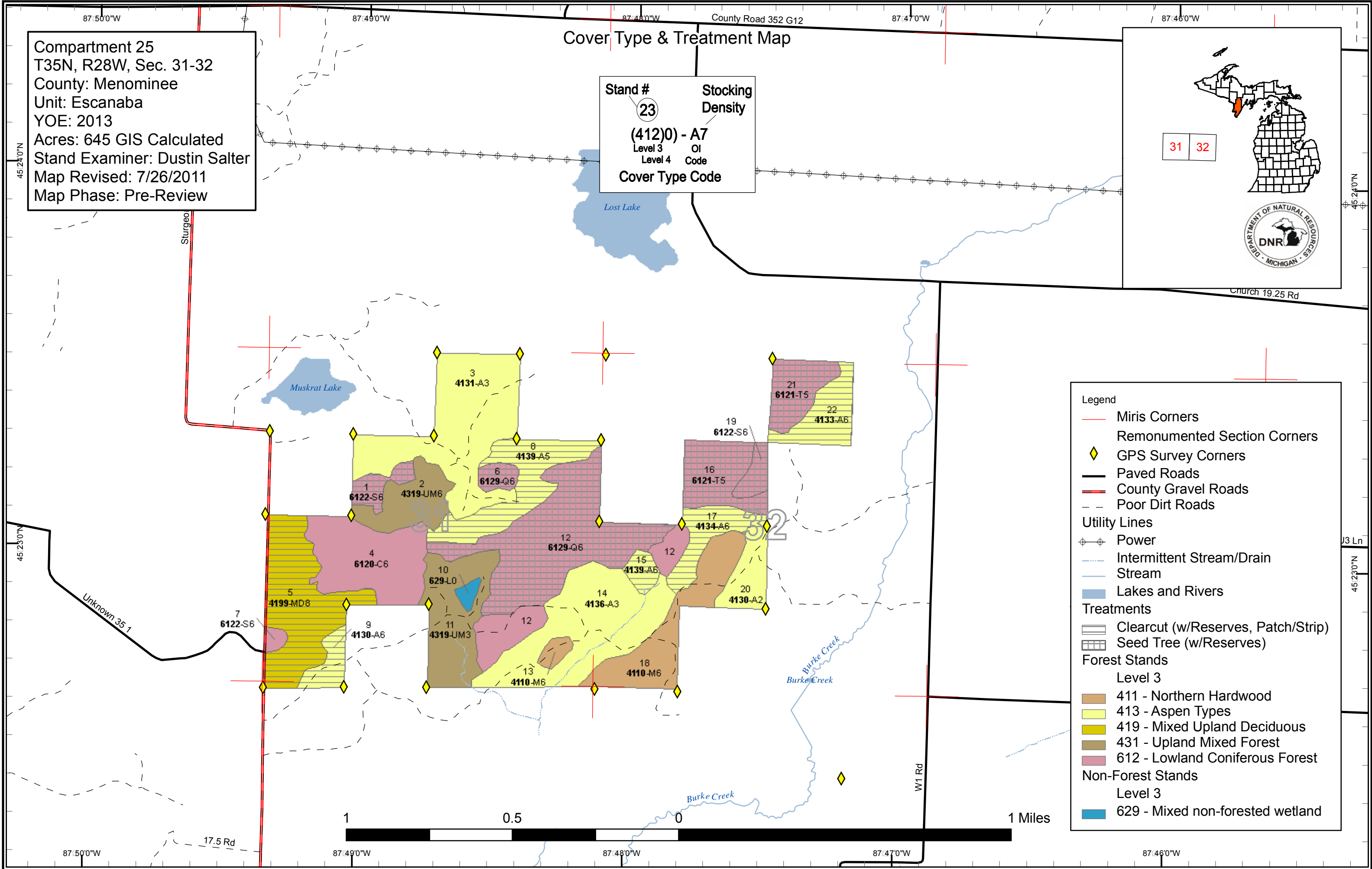
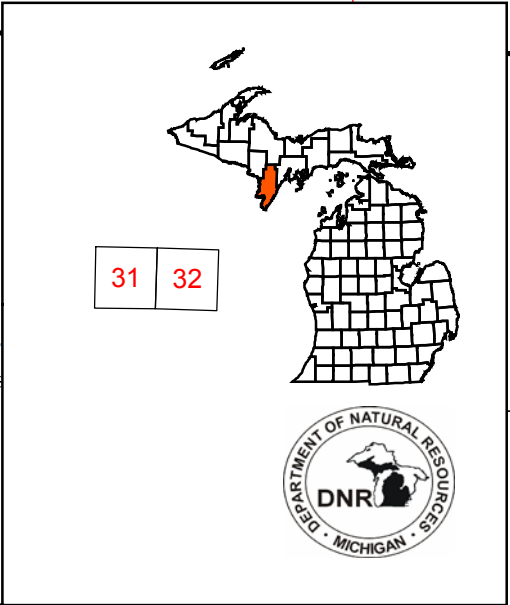
ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.

Compartment 25
 T35N, R28W, Sec. 31-32
 County: Menominee
 Unit: Escanaba
 YOE: 2013
 Acres: 645 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 7/26/2011
 Map Phase: Pre-Review

Cover Type & Treatment Map

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



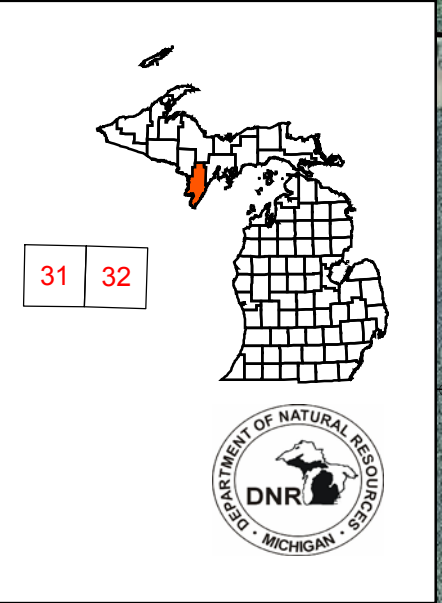
Legend

- Miris Corners
- Remonumented Section Corners
- GPS Survey Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Utility Lines
 - Power
 - Intermittent Stream/Drain
 - Stream
- Lakes and Rivers
- Treatments
 - Clearcut (w/Reserves, Patch/Strip)
 - Seed Tree (w/Reserves)
- Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands
 - Level 3
 - 629 - Mixed non-forested wetland

Compartment 25
 T35N, R28W, Sec. 31-32
 County: Menominee
 Unit: Escanaba
 YOY: 2013
 Acres: 645 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 7/26/2011
 Map Phase: Pre-Review

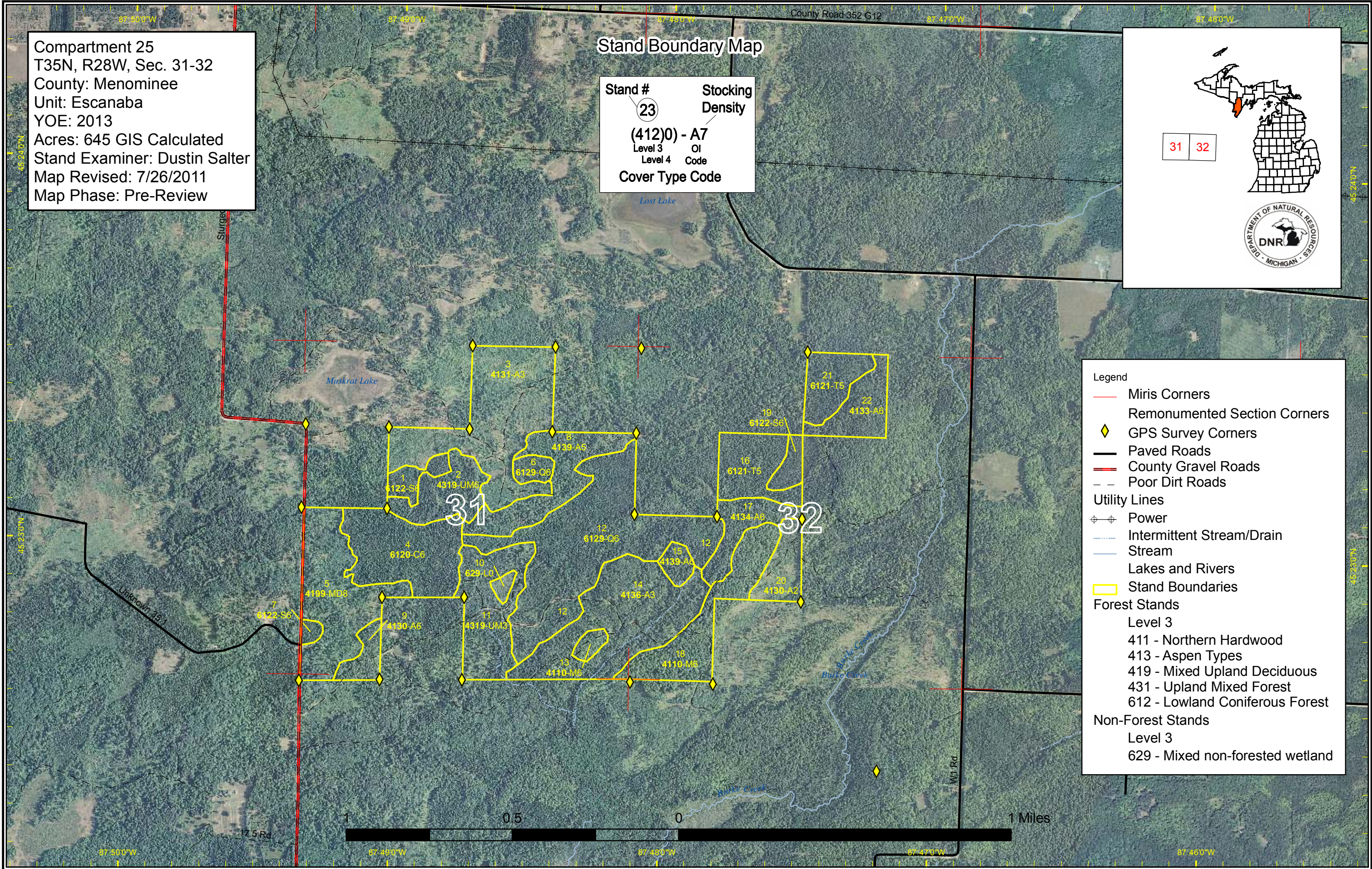
Stand Boundary Map

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



Legend

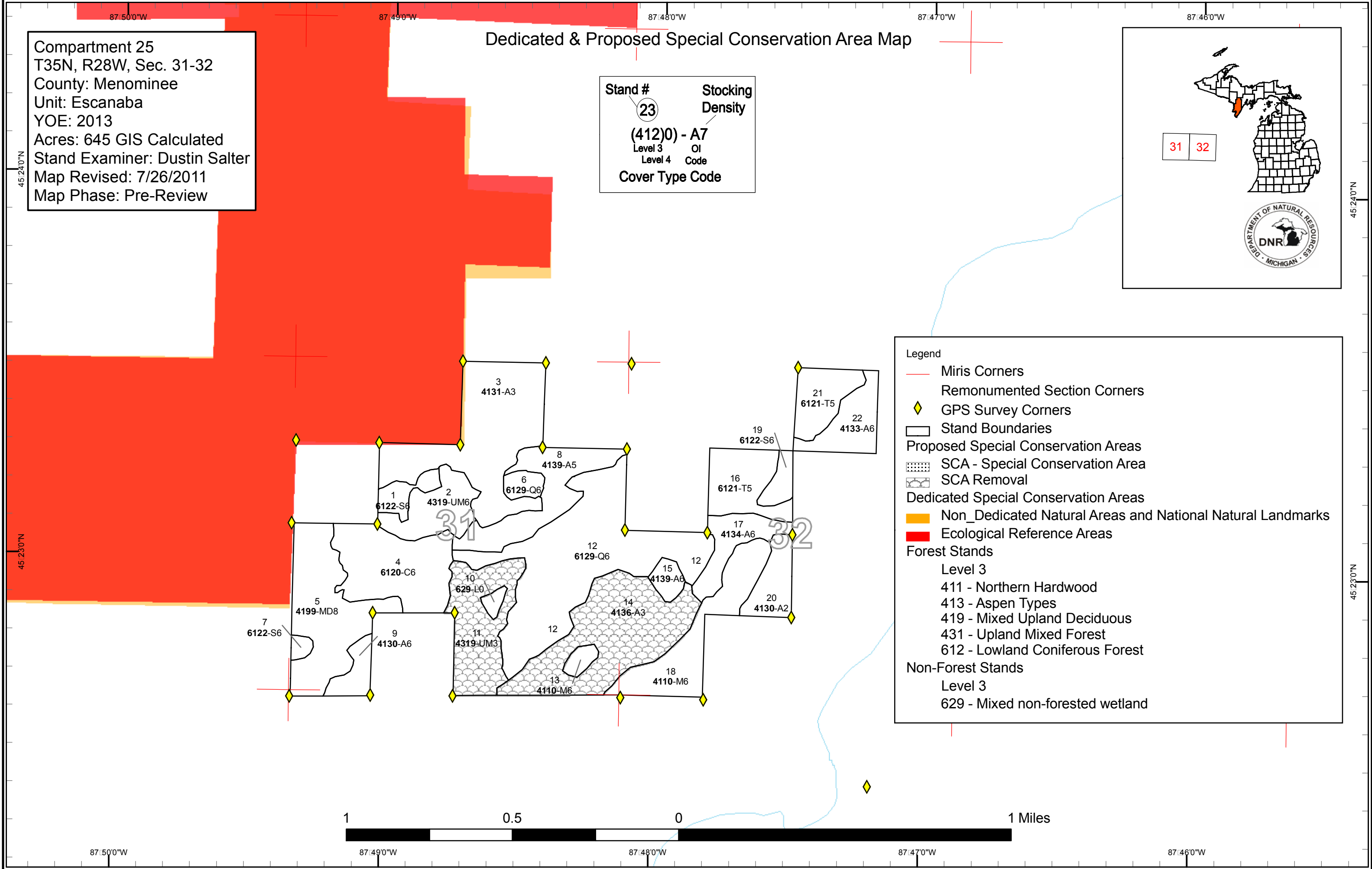
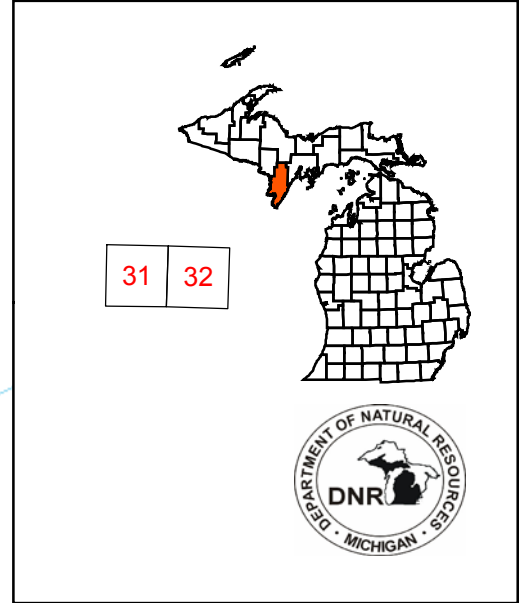
- Miris Corners
- Remonumented Section Corners
- ◆ GPS Survey Corners
- Paved Roads
- County Gravel Roads
- - - Poor Dirt Roads
- Utility Lines**
- ⊕ Power
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 629 - Mixed non-forested wetland



Compartment 25
 T35N, R28W, Sec. 31-32
 County: Menominee
 Unit: Escanaba
 YOE: 2013
 Acres: 645 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 7/26/2011
 Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map

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



Legend

- Miris Corners
- Remonumented Section Corners
- ◆ GPS Survey Corners
- Stand Boundaries
- Proposed Special Conservation Areas
- ▨ SCA - Special Conservation Area
- ▩ SCA Removal
- Dedicated Special Conservation Areas
- Non_Dedicated Natural Areas and National Natural Landmarks
- Ecological Reference Areas
- Forest Stands
- Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Stands
- Level 3
- 629 - Mixed non-forested wetland



87.500°W 87.490°W 87.480°W 87.470°W 87.460°W

45.240°N

45.230°N

45.240°N

45.230°N