



**Escanaba Forest Management Unit  
Compartment Review Presentation  
Compartment # 32      Entry Year: 2014  
Compartment Acreage: 1356    County: Menominee**

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**Revision Date:** May 30, 2012

**Stand Examiner:** Joe Durbin, FMD;

**Legal Description:** T37N R25W, Sections 01, 11 and 12; T38N R25W, Section 36

**Management Goals:** This compartment is part of the Green Bay Lake Plain Management Area and is located about 5 miles south of Bark River-Harris, Michigan near the Menominee-Delta County lines. It is a mixture of lowland and upland types. Lowland types are about 61 % of the compartment and include mostly cedar or lowland brush with some mixed lowland conifer forest types. Upland types are about 39% of the compartment and include mostly northern hardwoods and aspen timber types with some conifer types. There are no lakes within the compartment. Depas Creek flows from north to south through the compartment. In several areas cedar regeneration was observed in the compartment. Deer populations may be in a low part of the cycle and cedar and hardwood may be able to regenerate and grow above the deer browse. This entry may be an opportunity to treat some stands that will result in some regeneration success.

Approximately 125 acres comprising 14 stands are proposed for treatment. Of the proposed treatments, approximately 92 acres (4 stands) are clearcut with reserves, 17 acres (2 stands) are partial cuts, 9 acres (4 stands) are proposed for treatment of invasive species—not the entire stands are to be treated, only the affected areas, and 7 acres (4 stands) are non-forested wildlife species release/maintenance.

Cedar and hemlock regeneration is observed in several lowland areas throughout the compartment. Apple trees are growing in several upland openings and need maintenance.

**Soil and Topography:** Topography is mostly level due to the extent of lowland with some upland areas that are gently rolling. The major soil series are primarily Lupton-Tawas for the lowlands with Onaway for the uplands.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is part of a mostly contiguous block of state ownership to the south with a few private in-holdings. Private and tribal ownership surrounds the compartment to the west, north and east. Most private ownership is recreational for seasonal hunting, recreation and farming.

**Unique, Natural Features:** The Depas Creek flows north to southwest through the northern portion of the compartment.

**Archeological, Historical, and Cultural Features:** No known archeological sites exist in the compartment. An active tribal cemetery exists in the northern portion of section 36 and a rifle range on tribal ownership is used in the southwestern portion of section 36 at the end of county road Casino 37 Lane.

**Special Management Designations or Considerations:** None.

**Watershed and Fisheries Considerations:** The Depas Creek flows north to southwest through the northern portion of the compartment. No lakes exist in the compartment.

**Wildlife Habitat Considerations:** Compartment 32 is part of the Green Bay Lake Plain Management Area. Many stands in this management area demonstrate a natural propensity to grow white pine and balsam fir, species which are found in the understory of many aspen and maple stands. These mesic conifer species will be encouraged where appropriate. Cedar and hemlock provide important wildlife habitat in this management area, but regeneration of both species has been problematic. Management will be aimed at maintaining these stands because they are of modest age. However, some well-planned experimental treatments may be undertaken. Corridors of mature forest will be maintained along some water courses for wildlife that mature forest conditions. Featured wildlife species include white-tailed deer, wild turkey, wood duck and Blackburnian warbler.

*Hardwood stands:* Thinning will take place in two northern hardwood stands. This will provide browse and foraging opportunity for white-tail deer, wild turkey and many other species.

*Openings:* There are a few openings in the northern portion of this compartment will be maintained as openings. In addition, apple trees already located in these openings will be treated, along with the surrounding trees, to enhance the soft mast resource.

*Aspen:* One very small aspen stand will be clearcut and regenerated. Cedar along the transition between this stand the adjoining cedar stand will be maintained. This is to ensure whitetail deer mobility and cover from the protection of the cedar to the food provided in the aspen and hardwood stands.

*Lowland Swamp Conifer:* Three lowland conifer stands have been nominated for final harvest. Due to the high value of these types for wildlife and the difficulty in reliably regenerating these stands to a similar species composition, specifically the cedar component, these stands and issues will be further reviewed prior to a treatment being agreed upon.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel and medium-textured glacial till. The glacial drift thickness varies between 10 and 100 feet. The Ordovician Trenton Formation underlies the glacial drift. The Trenton is quarried for stone west of Escanaba. This area has not been leased previously. A gravel pit is located less than one-half mile to the north and potential appears to be good on the upland Drumlins. No economic oil and gas production has been found in the UP.

**Vehicle Access:** Access into the compartment is from the north via gravel county roads Casino 37 Lane and a Delta-Menominee County Road on the county line. The southern portion is accessed through private ownership from Depas 34.75 Lane.

**Survey Needs:** For the proposed treatments, potentially thirteen survey corners maybe needed.

**Recreational Facilities and Opportunities:** No facilities currently exist. Recreational opportunities include hunting, fishing, trapping and horseback riding.

**Fire Protection:** Access is from the county roads into the northern portion of the compartment but the woods roads in the compartment are poorly maintained and in poor shape. ATV's or four-wheel drive vehicles are needed to enter the majority of the compartment during non-frozen times of the year. If a fire were to enter the compartment, access would be poor. Two private cabin/structures exist north of Depas Creek in section 01. The timber types in the area are generally low risk for fire hazard. Some of the interior more remote areas may present a greater fire hazard.

#### **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 Non-forested)**
  - ◆ **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
	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 +	Uneren Age	
Aspen	19	100	83	0	0	0	7	0	0	0	0	0	0	0	210
Cedar	0	0	0	0	35	0	0	73	33	260	6	68	12	0	486
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	0	0	0	0	0	0	58	0	0	0	0	58
Lowland Deciduous	0	8	0	0	0	0	0	0	0	29	0	0	0	0	38
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7
Lowland Shrub	167	0	0	0	0	0	0	0	0	0	0	0	0	0	167
Mixed Upland Deciduous	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Northern Hardwood	0	0	0	0	0	16	0	93	165	0	0	0	0	0	273
Tamarack	0	0	0	38	0	0	0	0	29	0	0	0	0	0	67
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10
Upland Spruce/Fir	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
<b>Total</b>	<b>204</b>	<b>122</b>	<b>83</b>	<b>48</b>	<b>35</b>	<b>16</b>	<b>7</b>	<b>165</b>	<b>227</b>	<b>348</b>	<b>6</b>	<b>74</b>	<b>22</b>	<b>0</b>	<b>1356</b>



## Table 2 – Proposed Treatment Summaries

**Escanaba Mgt. Unit**  
**Year of Entry 2014**

**Compartment 032**  
**Total Compartment Acres: 1356**

### Acres by Treatment Type

Commercial Harvest - 85	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 23	Opening Maintenance - 7	Tree Seeding - 0	Pesticide - 9	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen</b>	5	0	0	0	2	0	7
<b>Lowland Conifers</b>	58	0	0	0	0	0	58
<b>Northern Hardwood</b>	0	0	0	0	14	0	14
<b>Tamarack</b>	29	0	0	0	0	0	29
<b>Total</b>	<b>92</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>108</b>



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33	33032033- CCw/R	5.3	4139 - Aspen, Mixed Deciduous	High Density Pole	64		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription:</u> Clearcut with reserves. Treat portion between the swamp/cedar stands on the east and the northern hardwood type and private land to the west.</p> <p><u>Specs:</u> Retain white spruce, hemlock and beech, if present.</p> <p><u>Other Comments:</u> Treatment boundary lines are approximate and will be determined in the field during treatment setup. Leave cedar along the east line of stand in the transition area.</p> <p><u>Next Steps:</u> Check next entry for regeneration success.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
33	33032033-Th	2.2	4139 - Aspen, Mixed Deciduous	High Density Pole	64		Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> This is the northern hardwoods portion of the stand. Thin to 70-90 square feet of residual basal area. Follow in-stand retention guidelines.</p> <p><u>Specs:</u> Retain white spruce, hemlock and beech, if present. This is not intended to be a regeneration treatment and regeneration is not anticipated.</p> <p><u>Other Comments:</u> Treatment boundary lines are approximate and will be determined in the field during treatment setup. At the time of inventory a 12x12 blind exists near the NW corner of the stand.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
37	33032037- CCw/R	28.7	6121 - Tamarack	Medium Density Pole	89		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription:</u> Clearcut with reserves. Cut all species except hemlock and yellow birch, if present. Leave two pockets of 1/2 acre of mostly cedar with mixed species. Also, mark to leave scattered clumps of seed trees of mixed species.</p> <p><u>Other Comments:</u> Treatment boundary lines are approximate and will be determined in the field during treatment setup.</p> <p><u>Next Steps:</u> Check next entry for regeneration success.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
41	33032041-SC	14.4	4110 - Sugar Maple Association	High Density Log	75	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> Thin to 70-90 residual BA by mainly releasing better quality trees. Follow in-stand retention guideline. Try a few regen gaps to see if hard maple regeneration can be successful in this area, but regeneration throughout the stand is not the treatment goal.</p> <p><u>Other Comments:</u> The treatment goal is to improve the quality of the sugar maple poles and log trees.</p> <p><u>Next Steps:</u> Regeneration gaps should be gps'd and monitored for success.</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
44	33032044- CCw/R	23.1	6129 - Mixed Coniferous Lowland Forest	High Density Pole	92		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves. Cut all species except hemlock and yellow birch, if present. Leave two pockets of 1/2 acre each of mainly cedar with										
<u>Specs:</u> mixed species. Also, mark to leave scattered clumps of seed trees of mixed species.										
<u>Other</u> Treatment boundary lines are approximate and will be determined in the field during treatment setup.										
<u>Comments:</u>										
<u>Next</u> Check next entry for regeneration success.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
46	33032046- CCw/R	34.9	6129 - Mixed Coniferous Lowland Forest	High Density Pole	99		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves. Cut all species except hemlock and yellow birch, if present. Leave two pockets of 1/2 acre each of mainly cedar with										
<u>Specs:</u> mixed species. Also, mark to leave scattered clumps of seed trees of mixed species.										
<u>Other</u> Treatment boundary lines are approximate and will be determined in the field during treatment setup.										
<u>Comments:</u>										
<u>Next</u> Check next entry for regeneration success.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
23	33032023-PC	6.2	6111 - Lowland Balsam Poplar	Low Density Sapling	15		Pesticide	Hand Sprayer	6112 - Lowland Aspen	Cmpt. Review Proposal
<u>Prescription</u> Phragmites was found in several relatively small pockets. Treat appropriately to eliminate it before it spreads and becomes unmanageable.										
<u>Specs:</u>										
<u>Other</u> Pockets are located in the southern half of the stand.										
<u>Comments:</u>										
<u>Next</u> Monitor treatment for effectiveness.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
32	33032032-PC	0.5	6120 - Lowland Cedar	Medium Density Pole	90		Pesticide	Hand Sprayer	6120 - Lowland Cedar	Cmpt. Review Proposal
<u>Prescription</u> Phragmites was found in a relatively small pocket along the winter access road. Treat appropriately to eliminate it before it spreads and										
<u>Specs:</u> becomes unmanageable.										
<u>Other</u> The pocket is small now but needs to be treated before it becomes larger.										
<u>Comments:</u>										
<u>Next</u> Monitor treatment for effectiveness.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40	33032040-PC	0.1	4139 - Aspen, Mixed Deciduous	Medium Density Sapling	22		Pesticide	Hand Sprayer	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Treat phragmites to prevent its spread and before it becomes unmanageable.</p> <p><u>Specs:</u></p> <p><u>Other</u> One pocket was found in and opening in the central eastern portion of the stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor treatment for effectiveness.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> Unspecified</p>										
9	NF_33032009- PC	2.5	3303 - Mixed Low Density Trees				Pesticide	Hand Sprayer	3102 - Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Spray honeysuckle to remove from the site before it takes over the site and becomes unmanageable.</p> <p><u>Specs:</u></p> <p><u>Other</u> Plants are spotty but are 5-10 feet tall.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor progress to ensure the treatments are successful.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> Unspecified</p>										
5	33032005-Rel	2.8	4130 - Aspen	High Density Sapling	11		Non-Forest Management	Brush Cutting	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Release apple trees, brush around apple trees, cut some apples to restart trees from stumps and release others from competition.</p> <p><u>Specs:</u></p> <p><u>Other</u> If apples trees are not released, they will be over come by competition. The cut trees will need fencing to prevent browsing by deer and rabbits.</p> <p><u>Comments:</u> This work might be funded and contracted with partners.</p> <p><u>Next</u> Monitor progress to ensure the treatments are successful.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> Unspecified</p>										
6	NF_33032006- Rel	1.9	3102 - Grass				Non-Forest Management	Brush Cutting	3301 - Low Density Deciduous Trees	Cmpt. Review Proposal
<p><u>Prescription</u> Release apple trees, brush around apple trees, cut some apples to restart trees from stumps and release others from competition.</p> <p><u>Specs:</u></p> <p><u>Other</u> If apples trees are not released, they will be over come by competition. The cut trees will need fencing to prevent browsing by deer and rabbits.</p> <p><u>Comments:</u> This work might be funded and contracted with partners.</p> <p><u>Next</u> Monitor progress to ensure the treatments are successful.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> Unspecified</p>										
11	NF_33032011- Rel	1.0	3102 - Grass				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Release apple trees by brushing around apple trees and reducing competition to promote survival and growth.</p> <p><u>Specs:</u></p> <p><u>Other</u> If apples trees are not released, they will be over come by competition.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor progress to ensure the treatments are successful.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> Unspecified</p>										

**Table 3 -- Treatments Prescribed  
with No Limiting Factor**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16 NF_33032016-Rel	1.0	3102 - Grass				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal

Prescription Release apple trees by brushing around apple trees and treating competition to promote growth and insure survival.

Specs:

Other If apples trees are not released, they will be over come by competition.

Comments:

Next Monitor progress to ensure the treatments are successful.

Steps:

Proposed

Start Date: Unspecified

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**Total Treatment  
Acreage Proposed: 124.5**

**Table 4 -- Treatments Prescribed with  
a Limiting Factor**



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

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment  
Acreage Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



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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

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**Total Treatment  
Acreage Proposed: 0**



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	9.5	124		Several low islands about 5 to 10 feet above surrounding swamp with cedar and hemlock. In places, no understory. Other species observed: yellow birch, quaking aspen, white pine.
2	6120 - Lowland Cedar	High Density Pole	72.5	74		Mostly low ground but occasional island of higher ground. Lots of leaning trees but some areas are straight and tall without blowdowns. Creek runs N-S in the northern portion. Other species observed: black spruce. Portions in the NE part of stand are upland with balsam fir, cedar birch and aspen.
5	4130 - Aspen	High Density Sapling	69.7	11		ORV trail in northern portion of stand with foot trail over creek in stand to the west. A stand of red pine log trees in NE portion too small to map. White pine are being pruned for brush. Other species observed: hemlock, basswood, paper birch, black ash, white pine, red pine.
7	4110 - Sugar Maple Association	Medium Density Pole	15.6	55	81-110	Combined three small stands--should all be treated at the same time--probably next entry. Other species observed: red maple, balsam fir, hemlock, white spruce, quaking aspen, white ash.
8	6120 - Lowland Cedar	Low Density Pole	7.2	120		Lots of dead standing cedar poles due to old beaver flooding. Other species observed: paper birch, tamarack.
12	6118 - Lowland Deciduous with Cedar	Low Density Pole	29.5	90		Nice quality cedar, straight and tall along perimeter but interior of stand site is much wetter with many leaning and blown over trees.
13	4130 - Aspen	Medium Density	30.6	16		Mostly high ground but N-S drain in middle of stand; two pockets of cedar w/ many blowdowns in northern portion; occasional open areas of lowland grass. found wolf tracks following deer trail. Areas showing old beaver activity. Other species observed: red maple, hemlock white spruce.
14	4110 - Sugar Maple Association	High Density Pole	13.9	70	81-110	decent quality sugar maple poles. Lot of balsam fir in understory. Other species observed: yellow birch, beech, hemlock.
15	6120 - Lowland Cedar	Low Density Pole	34.8	41		Some old beaver floodings, Depas Creek flows E to W. Some areas are heavier to black ash--mostly in southern portion of stand. Other species observed: white spruce, white pine.
17	42330 - Upland Fir	Medium Density	8.5	6		Mostly upland but low ground near middle of stand. Some portions are more open with raspberry.
18	4110 - Sugar Maple Association	High Density Log	11.1	75	81-110	Lots of balsam fir in understory. Scattered pole-sized hemlock. Other species observed: basswood, ironwood, white ash, hemlock.
19	4110 - Sugar Maple Association	Medium Density Pole	29.3	70	81-110	Nice quality sugar maple poles and logs. Beech mostly large and wolfy. Other species observed: hemlock.
20	4199 - Other Mixed Upland Deciduous	High Density Pole	9.8	38		Other species observed: cedar, paper birch.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	8.5	19		mostly low but some high ground.
23	6111 - Lowland Balsam Poplar	Low Density Sapling	12.7	15		stand stocking density variable. Mostly low ground but some is high. Other species observed: yellow birch.
24	6132 - Mixed Lowland Forest with Cedar	High Density Pole	6.6	119		Some areas are good quality cedar products but some area poor quality. Yellow birch quality varies. Other species observed: basswood, black ash, hemlock.
25	4110 - Sugar Maple Association	High Density Log	23.9	75	81-110	SE corner drops down to lower ground with mostly cedar--too small to map. Most beech are large, wolfy and hollow--some with bear claw marks. Other species observed: balsam fir, yellow birch.
27	4130 - Aspen	Medium Density	19.2	7		Red maple is mostly stump sprout origin with most making it above the deer but some are heavily browsed. Along the SW edge of stand is a mature c/rm/pb/hem stand too small to map. Other species observed: black cherry, hemlock, balm.
28	6120 - Lowland Cedar	High Density Pole	5.2	120		lots of leaning trees with sweep but also some nice quality posts 1-2 sticks/tree. Ridge in central portion also has cedar with red maple and balsam fir.
29	4110 - Sugar Maple Association	High Density Log	165.0	80	81-110	evidence of firewood removal. Pockets of hemlock. Nice quality maple logs and poles. Beech is mostly large wolfy and poor quality logs but might be good mast producers. A one acre A3 stand is in northern portion of stand cut in 1996. Other species observed: cedar, black cherry.
30	4134 - Aspen, Spruce/Fir	High Density Sapling	39.5	23		mostly high ground grading into the swamp but some low ground, too. Other species observed: tamarack, white spruce, balm.
31	6120 - Lowland Cedar	Low Density Sapling	9.8	80		very wet site. Also, cattails in understory.
32	6120 - Lowland Cedar	Medium Density Pole	260.2	90		very wet site. dense understory. many leaning and blown over trees. mostly 1-2 stacks/tree. Other species observed: quaking aspen, black spruce.
33	4139 - Aspen, Mixed Deciduous	High Density Pole	7.5	64		Steep slope in most of stand. Mostly aspen/fir on slope with northern hardwood stand in NW portion of stand and black ash type along east boundary near swamp. Other species observed: yellow birch, paper birch, black cherry. Illegal blind in NW corner of stand.
36	6121 - Tamarack	High Density Sapling	38.0	34		Amazing stand of nearly pure tamarack saplings. Probably last cut in the 1950's or 60's.
37	6121 - Tamarack	Medium Density Pole	28.7	89		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	42360 - Upland Cedar	High Density Log	5.6	104		very good site, transition to swamp. Cedar is straight and tall 4-5 sticks/tree. Many blowdowns in the northern portion of stand. Other species observed: yellow birch, balsam fir.
40	4139 - Aspen, Mixed Deciduous	Medium Density	44.0	22		mostly well stocked but some areas are more open. More paper birch in northern portion. Other species observed: cedar, pin cherry, paper birch.
41	4110 - Sugar Maple Association	High Density Log	14.4	75	111-140	nice quality sugar maple and basswood logs and poles. some areas have very heavy understory of balsam fir. Last treated in 1989. Other species observed: hemlock, cedar, beech, black cherry.
42	6120 - Lowland Cedar	Low Density Pole	58.6	116		very wet site with cattails in some places. many leaning and wind thrown trees. Other species observed: black ash, balsam fir.
43	6120 - Lowland Cedar	High Density Log	8.9	114		mostly pretty wet site with many leaning or wind thrown trees but some portions are better drained and trees are straight and tall. Other species observed: white spruce, red maple, balsam fir.
44	6129 - Mixed Coniferous Lowland Forest	High Density Pole	23.1	92		tamarack getting red bark from beetle. some cedar seedling found in places. Other species observed: paper birch.
45	6120 - Lowland Cedar	Low Density Sapling	23.4	80		very wet site. cedar 0-1 sticks/tree, tamarack 0-2 sticks/tree. Tamarack regen is coming in very well in places.
46	6129 - Mixed Coniferous Lowland Forest	High Density Pole	34.9	99		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6220 - Alder/willow	3.2	No	Unspecified	
4	6220 - Alder/willow	15.5	No	Unspecified	Creek runs N-S through stand. Lots of blow-down and dead and down.
6	3102 - Grass	1.9	No	Unspecified	apple trees need to be released. Found white pine being pruned by brushers for green brush.
9	3303 - Mixed Low Density Trees	2.5	No	Unspecified	found honeysuckle abundant
10	629 - Mixed non-forested wetland	19.3	No	Unspecified	Could be old beaver flooding.
11	3102 - Grass	1.0	No	Unspecified	
16	3102 - Grass	1.0	No	Medium (NonForested)	trees filling in small narrow opening w/ several apple trees.
22	6229 - Mixed lowland shrub	59.9	No	Unspecified	old beaver floodings
26	3303 - Mixed Low Density Trees	3.0	No	Unspecified	Opening is filling in from the perimeter but a couple of areas are more open.
34	6220 - Alder/willow	44.4	No	Unspecified	cattails, red osier dogwood, cedar and tamarack
35	6229 - Mixed lowland shrub	14.2	No	Unspecified	very wet site, mostly scattered trees but some areas have 25-50% cedar crown closer but too small to map.
39	629 - Mixed non-forested wetland	10.5	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



**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.

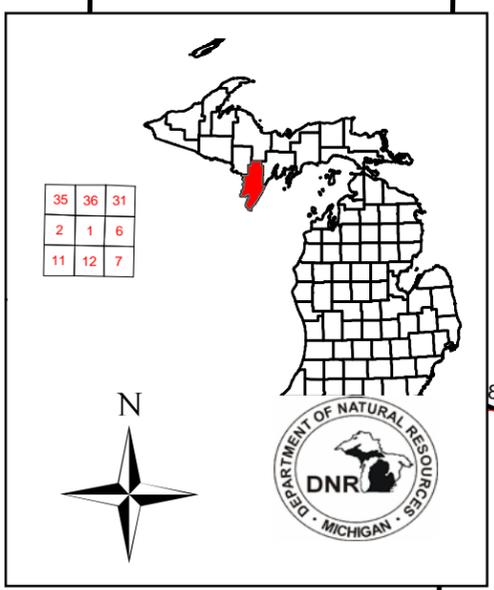
ERA = Ecological Reference Area  
 HCVA = High Conservation Value Area  
 SCA = Special Conservation Area

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.

# Cover Type & Treatment Map

Compartment: 032  
 T37N R24W  
 06  
 T37N R25W  
 01 11 12  
 T38N R25W  
 36  
 County: Menominee  
 Unit: Escanaba  
 YOE: 2014  
 Acres: 1,356 GIS Calculated  
 Examiner: Joe Durbin  
 Map Revised: 07/02/2012  
 Map Phase: Pre-Review

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



### Legend

- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Survey Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Gate
- Berms
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Pesticide
- Opening Maintenance

### Forest Stands

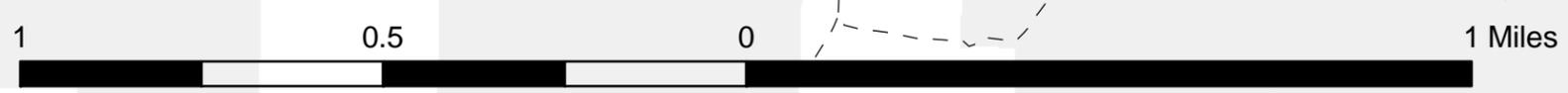
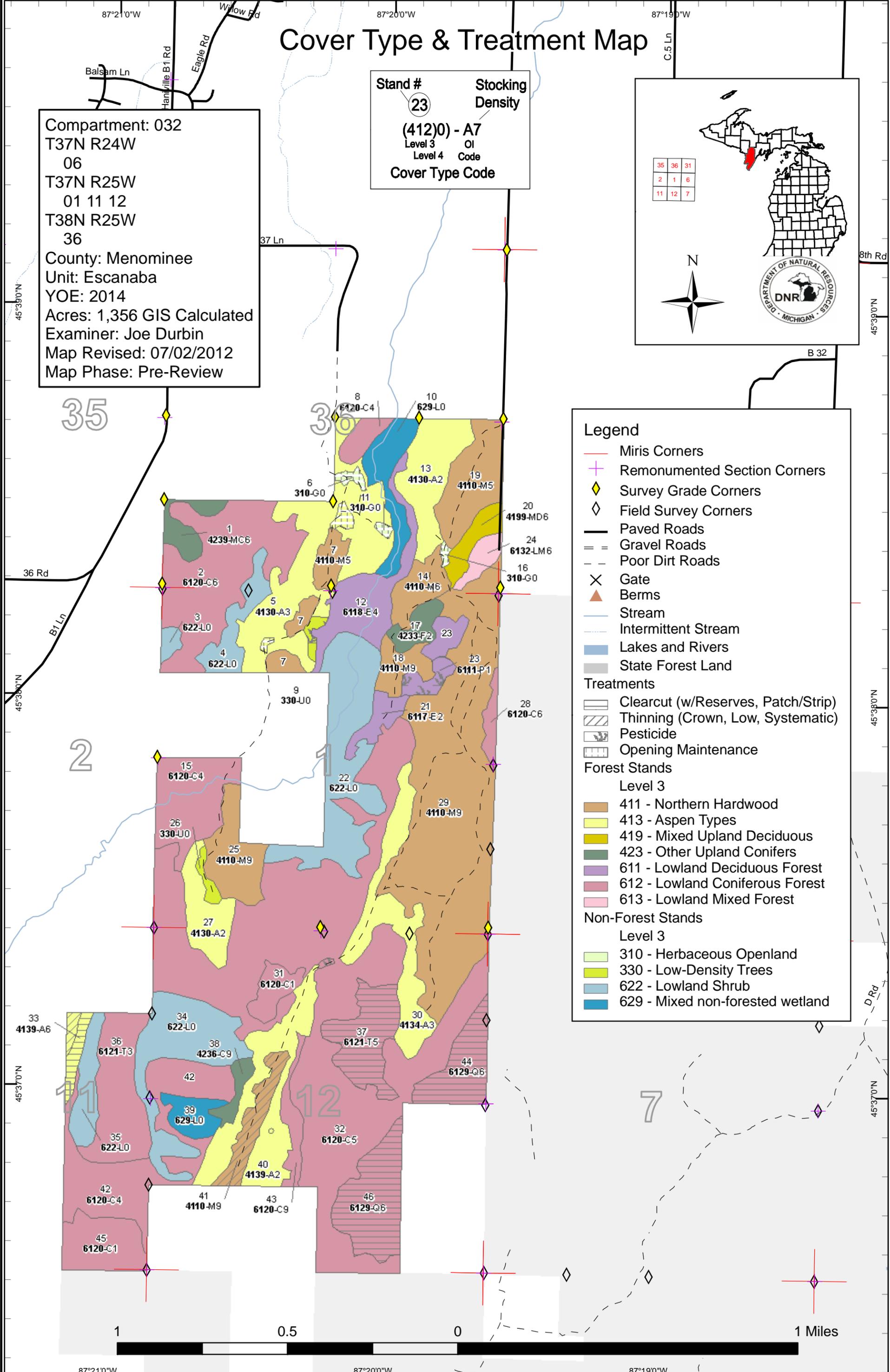
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

### Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



87°21'0"W      87°20'0"W      87°19'0"W

45°39'0"N  
45°38'0"N  
45°37'0"N

8th Rd  
B 32  
D Rd  
45°39'0"N  
45°38'0"N  
45°37'0"N

# Stand Boundary Map

Compartment: 032  
 T37N R24W  
 06  
 T37N R25W  
 01 11 12  
 T38N R25W  
 36  
 County: Menominee  
 Unit: Escanaba  
 YOE: 2014  
 Acres: 1,356 GIS Calculated  
 Examiner: Joe Durbin  
 Map Revised: 07/02/2012  
 Map Phase: Pre-Review

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

**Legend**

- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade
- ◆ Field Survey Corners
- Paved Roads
- == Gravel Roads
- - Poor Dirt Roads
- Stream
- - Intermittent Stream
- × Gate
- ▲ Berms
- ▭ Stand Boundaries

**Forest Stands**

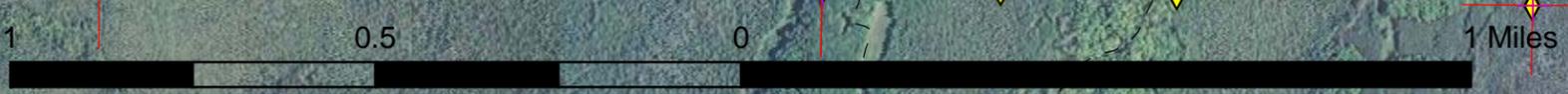
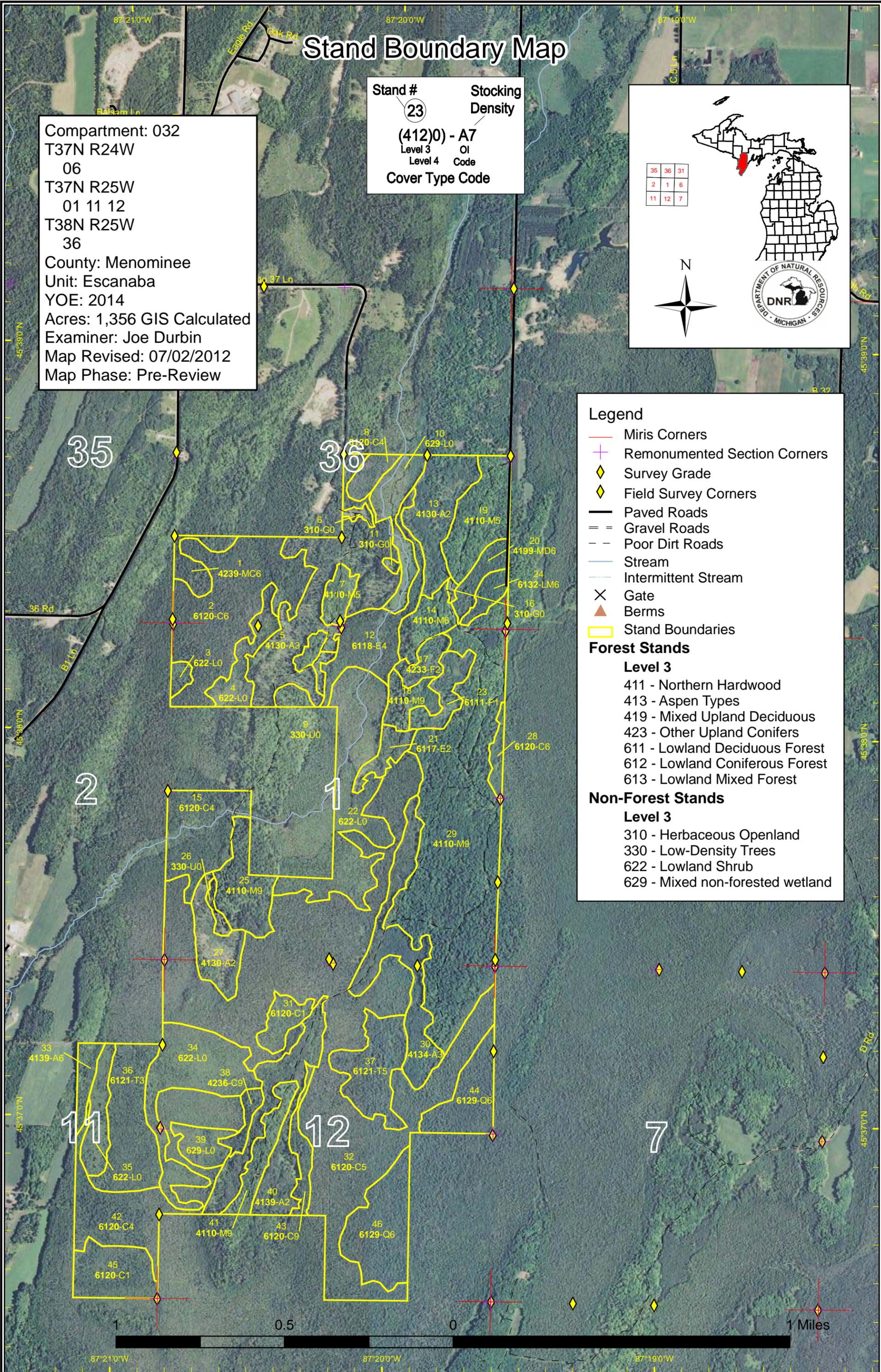
**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

**Level 3**

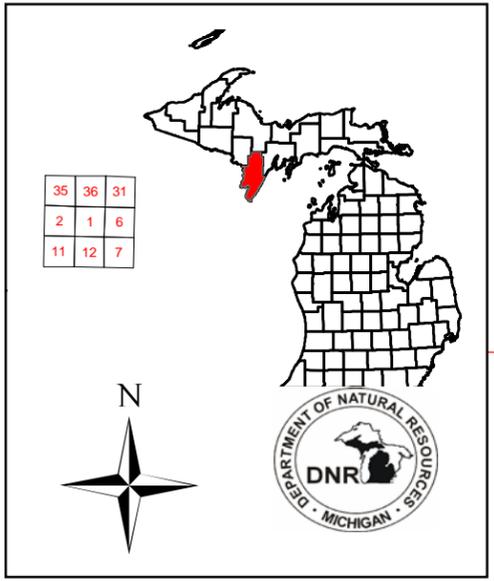
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



# Dedicated & Proposed Special Conservation Area Map

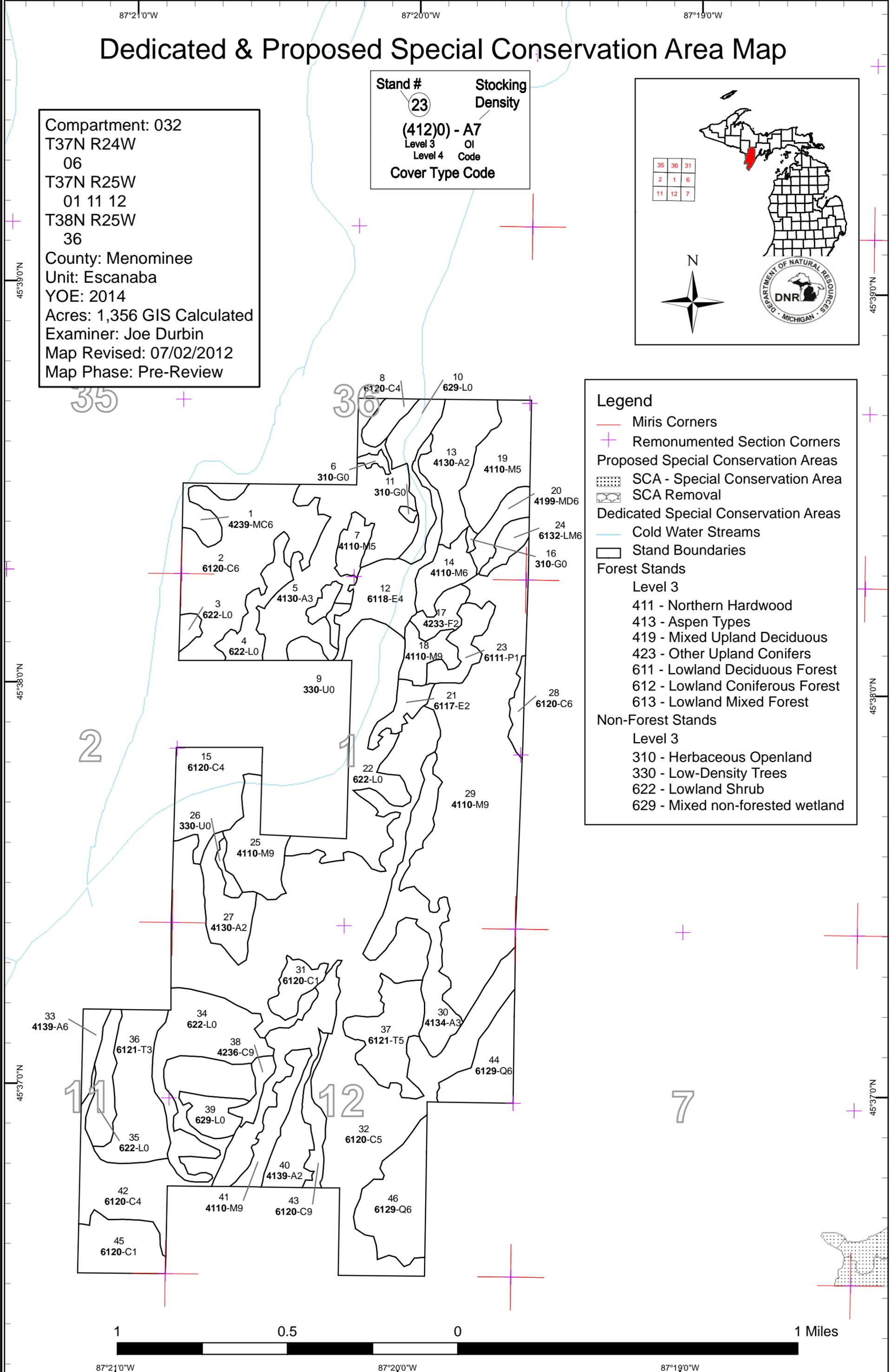
Compartment: 032  
 T37N R24W  
 06  
 T37N R25W  
 01 11 12  
 T38N R25W  
 36  
 County: Menominee  
 Unit: Escanaba  
 YOE: 2014  
 Acres: 1,356 GIS Calculated  
 Examiner: Joe Durbin  
 Map Revised: 07/02/2012  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Proposed Special Conservation Areas
- ▨ SCA - Special Conservation Area
- ▩ SCA Removal
- Dedicated Special Conservation Areas
- Cold Water Streams
- ▭ Stand Boundaries
- Forest Stands
- Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Stands
- Level 3
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



87°21'0"W      87°20'0"W      87°19'0"W

45°39'0"N

45°38'0"N

45°37'0"N

45°39'0"N

45°38'0"N

45°37'0"N