



## Shingleton Forest Management Unit Compartment Review Presentation

**Compartment #114**

**Entry Year: 2014**

**Compartment Acreage: 1279**

**County: Schoolcraft**

**Revision Date:** 8/6/12

**Stand Examiner:** Rick Hill

**Legal Description:** T46N R13W Sections 18, 19, 29 and 30.

**RMU (if applicable):** This compartment is within the Bullock Ranch Management Area.

**Management Goals:** Management of the compartment in accordance with the principles of sustainable forest ecosystem management, with emphasis on timber production, maintaining & enhancing wildlife habitat, and protection of riparian areas that help provide quality fish habitat.

**Soil and Topography:** The compartment consists of sandy soils. The west side of the compartment is a mix of sandy ridges and low Marshes with Organic soils.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The southeast corner of the compartment is the village of Seney. The compartment also has the Seney Township Park and 120 acres of private property located within it.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** There are Osprey, Goshawk and Frigga Fritillary to the southeast and Eagle and Loon to the southwest also Fir club moss to the southeast. There is Potential for Incurvate Emerald, ebony boghaunter, Frigga fritillary and Freija fritillary in bogs, potential for wood turtle along Fox River. Potential for wetland plants such as Canada rice grass, black sedge, Clinton's bulrush, Juncus vaseyi, sweetcoltsfoot.

**Archeological, Historical, and Cultural Features:** There are no known sites.

**Special Management Designations or Considerations:** The Fox River borders the compartment it's a natural river and as a result land in the vicinity of the river has to be managed in concert with the Fox River natural river plan

**Watershed and Fisheries Considerations:** Streams are classified from First Quality Cold Water (FQCW) down to Second Quality Warm Water (SQWW). In this area, the FQCW means an excellent trout fishery, one that is supplemented by a Fisheries Division annual stocking program. These waters are generally the famous ones, but also include somewhat smaller waters that are capable of supporting the fish population density necessary to provide a superior angling experience. SQCW implies a cold stream that supports a natural trout population, but is limited by either physical size or lack of spawning/foraging habitat. Its limitations mean that it will never support a heavy angling pressure and harvest, so Fisheries Division does not publicize the water. Local anglers, however, know what the streams support, and do fish them quite a bit. In-stream habitat is usually in the form of large woody debris, or downed trees. Fish need them because they provide protection from overhead predators and because they force water currents to scour holes under and around them. The holes provide more water volume in the stream, keeping it cooler, as well as giving the fish more volume to "hide" in. The woody structure also forces more eddy currents, breaking the "solid" water flow so that fish can get out of the current to rest. First Quality Warm Waters, (FQWW) are large,

productive waters capable of supporting a good fishery for either warm-water species or cool-water species. In the Upper Peninsula, the designation generally applies to walleye, pike, musky or smallmouth bass waters. SQWW means small, possibly stagnant, warm streams that produce little to no actual fishery. Although small, their warm temperatures and generally high nutrient levels imply generally a higher productivity than the more “fishable” streams. Their value is attained from the production of forage that migrates downstream into areas of either cold-water or warm-water sports fish populations. For that reason, they are NOT useless waters, and they should be protected somewhat for the aquatic invertebrate and fish forage that they produce. Beaver populations in these streams could be a benefit, as their dams will increase productivity as well as inhibit sand bedload migration. Fisheries Values Excellent. The Fox River is classified FQCW. This river gets hammered by anglers, even anglers from Australia and Europe. Fisheries Division has spent several hundred thousands of dollars stabilizing banks to re-expose gravel substrate and increase natural trout reproduction. Our stream enhancement work ten years ago is now starting to pay off, with somewhat less sand throughout the system, more exposed gravel, and deeper scour holes now present in the river. Consequently, we cut back our planting numbers by 50%. So far, there does not seem to be any negative impact from the reduced stocking. If numbers hold up in our near future fish survey, then we will consider completely abandoning the stocking effort to let natural reproduction sustain the fishery. Time will tell.

**Wildlife Habitat Considerations:** This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46° F. Annual snowfall in this area averages approximately 150 inches. The compartment falls within the Bullock Ranch Management Area which highlights the following Featured Species: Beaver, gray jay and sharp-tailed grouse. The Fox River forms the east boundary of this compartment. The majority of the compartment is lowland coniferous forest. General Land Office Surveyor notes show the pre-settlement forest in this compartment was dominated by tamarack, spruce, and red pine. White pine, white birch and hemlock were also recorded. Windthrow, fire, flooding, and beaver ponding were all likely contributors to the natural disturbance regime. Current upland forest stands in this compartment are dominated by jack pine. Aspen has also increased about pre-settlement levels. Wildlife habitat objectives in this compartment include providing age and structural diversity between conifer stands, and protecting the river corridor. Occasionally moose (Michigan special concern) use this compartment. There are no other known rare species within this compartment. Other wildlife species of interest that may utilize this compartment include black-backed woodpecker, spruce grouse, snowshoe hare and bobcat.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica Shale subcrops below the glacial drift. The Utica does not have an economic use. Gravel pits are not found in the general area and potential appears to be limited. There is no commercial oil and gas production in the UP.

**Vehicle Access:** The main road into the compartment is the Fox River Road, which runs along the eastern side of the compartment. The majority of the compartment is easily accessed by 2-track roads and the snowmobile trail. Although M-28 runs ¼ mile to the South of the compartment access to the Southwest corner is difficult due to the low ground in the area.

**Survey Needs:** There are some issues in the southeast side of the compartment. DNR surveyors are aware of the issues and working on solutions.

**Recreational Facilities and Opportunities:** The compartment has a lot of recreational use due to its location near to Seney. The Fox River Pathway and trailhead are located within the compartment. There is 2 miles of Snowmobile Trail 43 in the compartment. The Fox River has several areas which can be accessed and fished. The compartment also has a high amount of hunting opportunities.

**Fire Protection:** Fire response to the compartment should be quite fast due to its location near Seney. Most of the compartment is easily accessible by 2-track roads.

**Additional Compartment Information:**

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**
  - ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand numbers, cover types**
  - ◆ **Proposed treatments**
  - ◆ **Proposed road access system**
  - ◆ **Suggested potential old growth**

**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 +	Unre/en Age	
Aspen	0	0	12	33	0	0	0	0	0	0	0	0	0	0	45
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	66	114	63	30	10	21	51	0	7	0	0	0	0	0	361
Low-Density Trees	120	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Lowland Conifers	0	9	0	22	0	0	0	0	0	0	0	0	0	0	30
Lowland Deciduous	0	0	65	0	0	0	11	0	0	0	0	0	0	0	76
Lowland Shrub	236	0	0	0	0	0	0	0	0	0	0	0	0	0	236
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Natural Mixed Pines	0	128	8	0	0	0	4	34	47	0	0	0	0	0	221
Red Pine	7	0	0	0	0	10	0	0	9	0	0	0	0	0	26
Upland Conifers	0	0	0	0	0	110	0	0	0	0	0	0	0	0	110
Urban	42	0	0	0	0	0	0	0	0	0	0	0	0	0	42
<b>Total</b>	<b>478</b>	<b>251</b>	<b>149</b>	<b>85</b>	<b>10</b>	<b>140</b>	<b>66</b>	<b>38</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1279</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 114**  
**Total Compartment Acres: 1279**

### Acres by Treatment Type

Commercial Harvest - 161	Site Prep - 0	Tree Planting - 120	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 7	

### 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>
<b>Jack Pine</b>	56	0	0	0	0	0	<b>56</b>
<b>Mixed Upland Deciduous</b>	4	0	0	0	0	0	<b>4</b>
<b>Natural Mixed Pines</b>	13	0	0	0	0	0	<b>13</b>
<b>Upland Conifers</b>	88	0	0	0	0	0	<b>88</b>
<b>Total</b>	<b>161</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>161</b>



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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**

**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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Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment  
Acreage Proposed: 0**

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

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>41009014-Cut1</b>	5.2	6120 - Lowland Cedar	High Density Pole	141		Harvest	Patch or Strip Clearcut	6120 - Lowland Cedar	Cmpt. Review Proposal - Incomplete

Prescription patch cut app. 5 acres, determined at time of prep  
Specs:

Other Comments:

Next Steps: Monitor according to work instructions.

Proposed Start Date: 10/01/2011

<b>41044_OutOfY OE-Cut</b>	0.9					Harvest	Crown Thinning	42210 - Natural Red Pine	Cmpt. Review Proposal - Incomplete
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Prescription Mark red pine and white pine to 80 sq.ft. where densities are high enough. Cut all other species except hemlock, oak, and cedar.  
Specs:

Other Comments: Retention will be a portion of the red pine and white pine trees remaining.

Next Steps: Possible regeneration harvest next year of entry.

Proposed Start Date: 10/01/2013

<b>41172002-Cut</b>	4.4	4112 - Maple, Beech, Cherry Association	High Density Pole	49		Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Treatment=Thin stand down to 80 BA on average while putting in regen gaps to promote species diversity and Sugar Maple. Put stand up with adjacent hardwood in comp 169 in 2014.  
Specs: MO=Un-even aged hardwoods with quality Sugar Maple stems  
Retention=Residual BA

Other Comments:

Next Steps: Natural regen survey to follow harvest during the next inventory cycle.

Proposed Start Date: 10/01/2014

**Total Treatment  
Acreage Proposed: 10.5**



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42220 - Natural Jack Pine	High Density Pole	12.3	56		This stand is in the Fox River natural river corridor due to this as well as water quality. Clearcutting must be avoided in these areas. Long term management should be focused on pushing white and red pine in this area.
2	42220 - Natural Jack Pine	High Density Pole	8.5	55		This is a mature jack pine stand. Its time to cut the stand as there is some mortality in the stand.
4	42220 - Natural Jack Pine	High Density Sapling	10.2	15		
6	42260 - Natural Pine, Mixed Deciduous	High Density Sapling	8.1	24		
7	42220 - Natural Jack Pine	High Density Pole	6.6	80		This stand is in the Fox River natural river corridor due to this as well as water quality. Clearcutting must be avoided in these areas. Long term management should be focused on pushing white and red pine in this area.
8	42220 - Natural Jack Pine	High Density Pole	4.1	65		This stand is on contract the sale name is Missing Jack Pine there is also a FTP for jack pine regen for this sale.
9	42120 - Planted Jack Pine	High Density Sapling	37.9	24		
10	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	15.2	16		
11	42220 - Natural Jack Pine	High Density Log	47.0	67		This is a mature jack pine stand. Its time to cut the stand as there is some mortality in the stand.
12	42220 - Natural Jack Pine	High Density Sapling	60.1	16		The stocking looks good stand is growing well.
14	42220 - Natural Jack Pine	High Density Pole	4.0	41		
15	6126 - Lowland Jack Pine	Medium Density	9.5	16		This stand is a mix of jack pine regen some older pine and lowland brush as well as some aspen it was split from the stand to the north due to the lower stocking.
16	42220 - Natural Jack Pine	High Density Pole	5.9	45		
19	4130 - Aspen	High Density Sapling	12.0	22		This stand looks ok with decent stocking and scattered wet areas.
20	42111 - Planted Red Pine, Mixed Deciduous	High Density Sapling	7.4	6		Planted red pine, may need a some work as there is some aspen recruitment in the stand.
21	6126 - Lowland Jack Pine	High Density Sapling	19.1	16		

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## Shingleton Mgt. Unit

## 5 – Forested Stands

Compartment: 114

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	42290 - Natural Mixed Pine	High Density Log	9.6	88	51-80	This stand is an upland island in the mash there is mature jack pine as well as red pine and white pine. It could be harvested now if access can be found.
24	6127 - Lowland Pine	Medium Density	8.7	16		
25	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	49.9	22		
26	6126 - Lowland Jack Pine	High Density Pole	21.0	23		
27	42260 - Natural Pine, Mixed Deciduous	High Density Log	16.2	86		This stand was listed as red pine last YOE, While red pine has the majority of BA its only about 40-50 sf there is 30-40 sf of Aspen and jack pine as a result the stand should be managed for an aspen, jack pine and red pine mix.
28	42210 - Natural Red Pine	High Density Log	9.4	86	51-80	This stand has been cut in the last 20 years it should be held until the aspen is marketable.
29	429 - Mixed Upland Conifers	High Density Pole	110.1	51		
31	42210 - Natural Red Pine	High Density Log	9.6	58	141-170	This is a pole size red pine stand. It could be cut if access can be found. It can also hold if necessary as most of the stand is red pine.
32	6119 - Mixed Lowland Deciduous Forest	High Density Pole	10.7	67		
33	4136 - Aspen, Mixed Conifer	High Density Sapling	33.4	31		
34	42290 - Natural Mixed Pine	High Density Log	21.6	86	81-110	This is an old fire established series of Red pine islands; most of the pine have fire scars. There is some aspen and pockets of spruce and jack pine in the stand as well. Much of the jack pine has fallen out of the stand. This area may not be accessible as the marsh crossing is quite wet.
39	42290 - Natural Mixed Pine	High Density Sapling	127.8	15		This stand is low with a mix of pine aspen and low areas.
40	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	24.8	30		This area is patchy with wet areas that have not regenerated well.
43	6127 - Lowland Pine	High Density Pole	21.7	35		This stand was cut in the 1970s there is a lot of diversity in the stand, there are also some lowland brush scattered thought the stand. There is a pond in the stand marked with an OFS point.
44	42290 - Natural Mixed Pine	High Density Pole	4.1	67	81-110	This is a small triangle of land bordered by the township campground on the north the Fox River on the east the Fox River road on the west and a home on the south.

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## Shingleton Mgt. Unit

## 5 – Forested Stands

Compartment: 114  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	42260 - Natural Pine, Mixed Deciduous	High Density Pole	20.7	74	51-80	This stand is a mix of red pine ridges with aspen and tag alder in the low swales
46	6126 - Lowland Jack Pine	High Density Pole	4.9	35		This stand a mix of Aspen and Jack Pine with some low areas of tag alder mixed in.
47	42220 - Natural Jack Pine	Medium Density	65.9	7		Could need more regeneration work jack pine is coming back but is marginal TMS will make call on future cult work.
49	42220 - Natural Jack Pine	High Density Sapling	4.5	23		
51	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.2	29		
54	42290 - Natural Mixed Pine	High Density Pole	12.8	79		This stand was left as a visual buffer it needs to be cut this year of entry. Some survey work will be needed also green up will have to be dealt with when the sale is prepped
56	4199 - Other Mixed Upland Deciduous	High Density Pole	4.0	79		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	622 - Lowland Shrub	8.1	NVA	Unspecified	
5	11 - Low Intensity Urban	1.7	NVA	Unspecified	
13	622 - Lowland Shrub	44.0	NVA	Unspecified	
17	622 - Lowland Shrub	1.9	NVA	Unspecified	
18	11 - Low Intensity Urban	17.6	NVA	Unspecified	
22	3302 - Low Density Conifer Trees	119.5	Natural Regen	Jack Pine	
30	622 - Lowland Shrub	161.8	NVA	Unspecified	
35	6225 - Bog	1.2	NVA	Unspecified	
36	622 - Lowland Shrub	12.2	NVA	Unspecified	
37	622 - Lowland Shrub	3.1	NVA	Unspecified	
38	6225 - Bog	1.5	NVA	Unspecified	
41	622 - Lowland Shrub	4.5	NVA	Unspecified	
42	6225 - Bog	1.7	NVA	Unspecified	
48	11 - Low Intensity Urban	10.3	NVA	Unspecified	
50	11 - Low Intensity Urban	6.0	NVA	Unspecified	
52	6239 - Mixed Emergent Wetland	2.8	NVA	Unspecified	
53	622 - Lowland Shrub	0.6	NVA	Unspecified	
55	11 - Low Intensity Urban	5.9	NVA	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

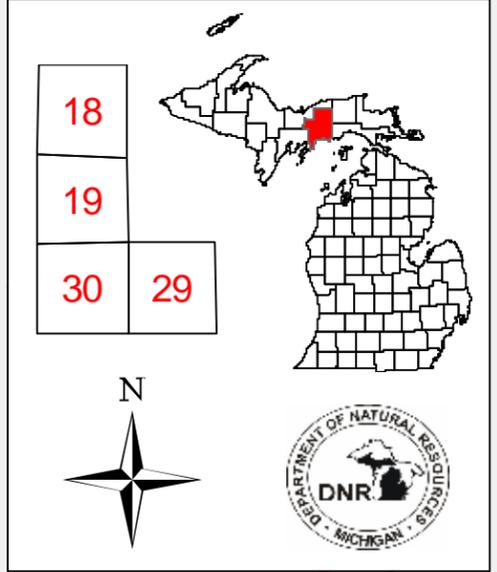
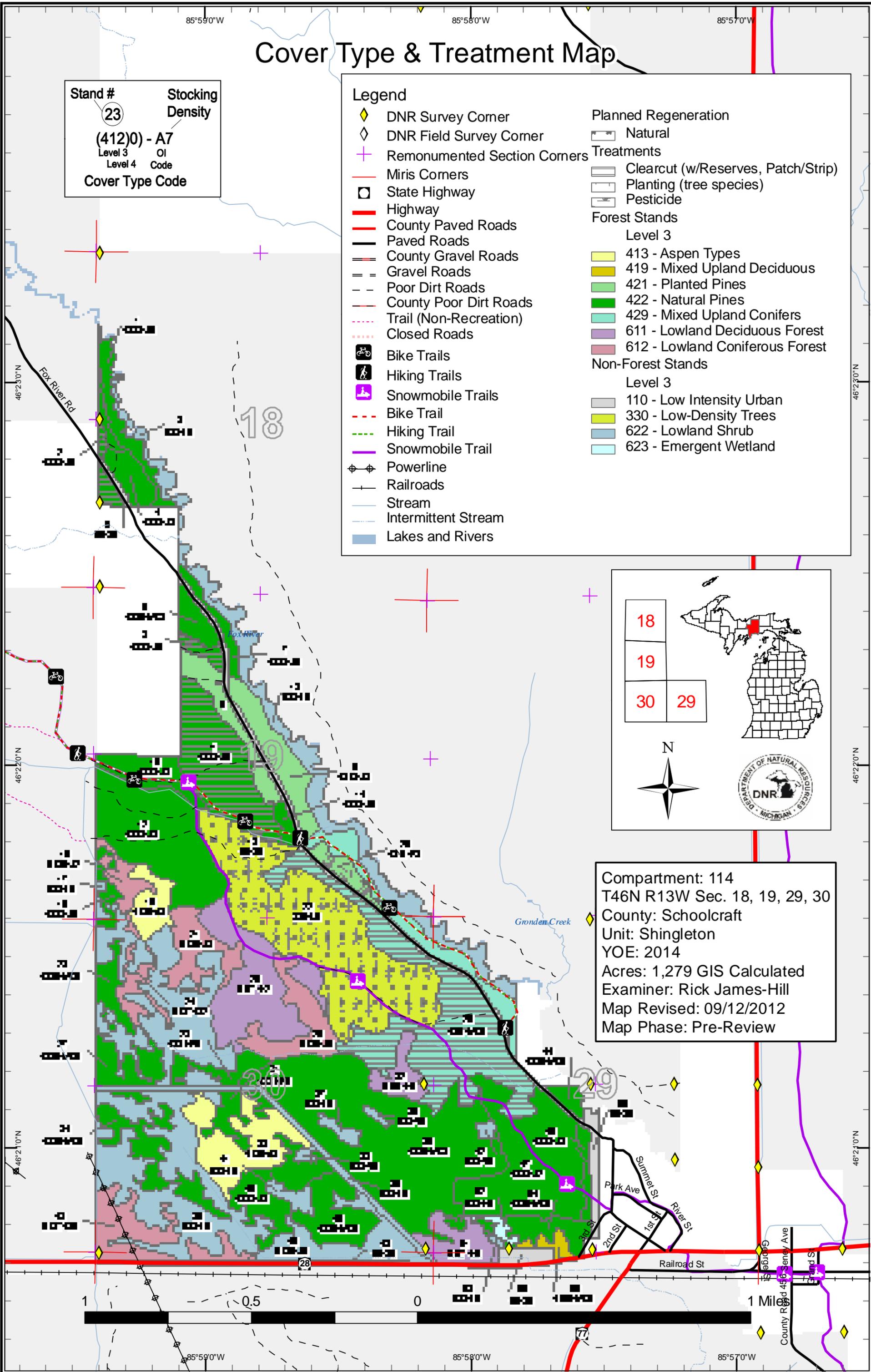
Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan 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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.

# Cover Type & Treatment Map

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

## Legend

- ◆ DNR Survey Corner
  - ◇ DNR Field Survey Corner
  - + Remonumented Section Corners
  - Miris Corners
  - State Highway
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - 🚲 Bike Trails
  - 🥾 Hiking Trails
  - 🏠 Snowmobile Trails
  - Bike Trail
  - Hiking Trail
  - Snowmobile Trail
  - ⚡ Powerline
  - Railroads
  - Stream
  - Intermittent Stream
  - 🌊 Lakes and Rivers
- Planned Regeneration**
- ☐ Natural
- Treatments**
- ☐ Clearcut (w/Reserves, Patch/Strip)
  - ☐ Planting (tree species)
  - ☐ Pesticide
- Forest Stands**
- Level 3
- 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 429 - Mixed Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 110 - Low Intensity Urban
  - 330 - Low-Density Trees
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



Compartment: 114  
 T46N R13W Sec. 18, 19, 29, 30  
 County: Schoolcraft  
 Unit: Shingleton  
 YOY: 2014  
 Acres: 1,279 GIS Calculated  
 Examiner: Rick James-Hill  
 Map Revised: 09/12/2012  
 Map Phase: Pre-Review

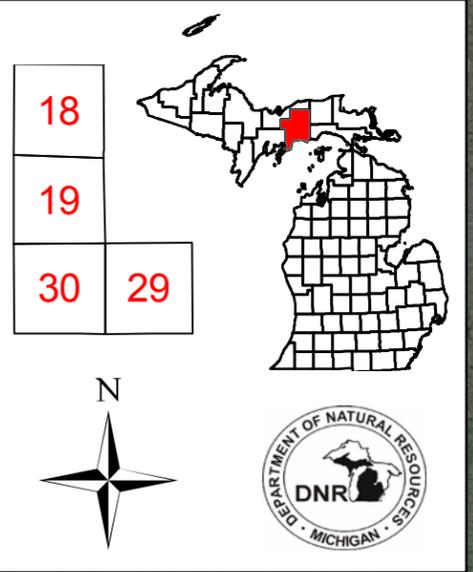
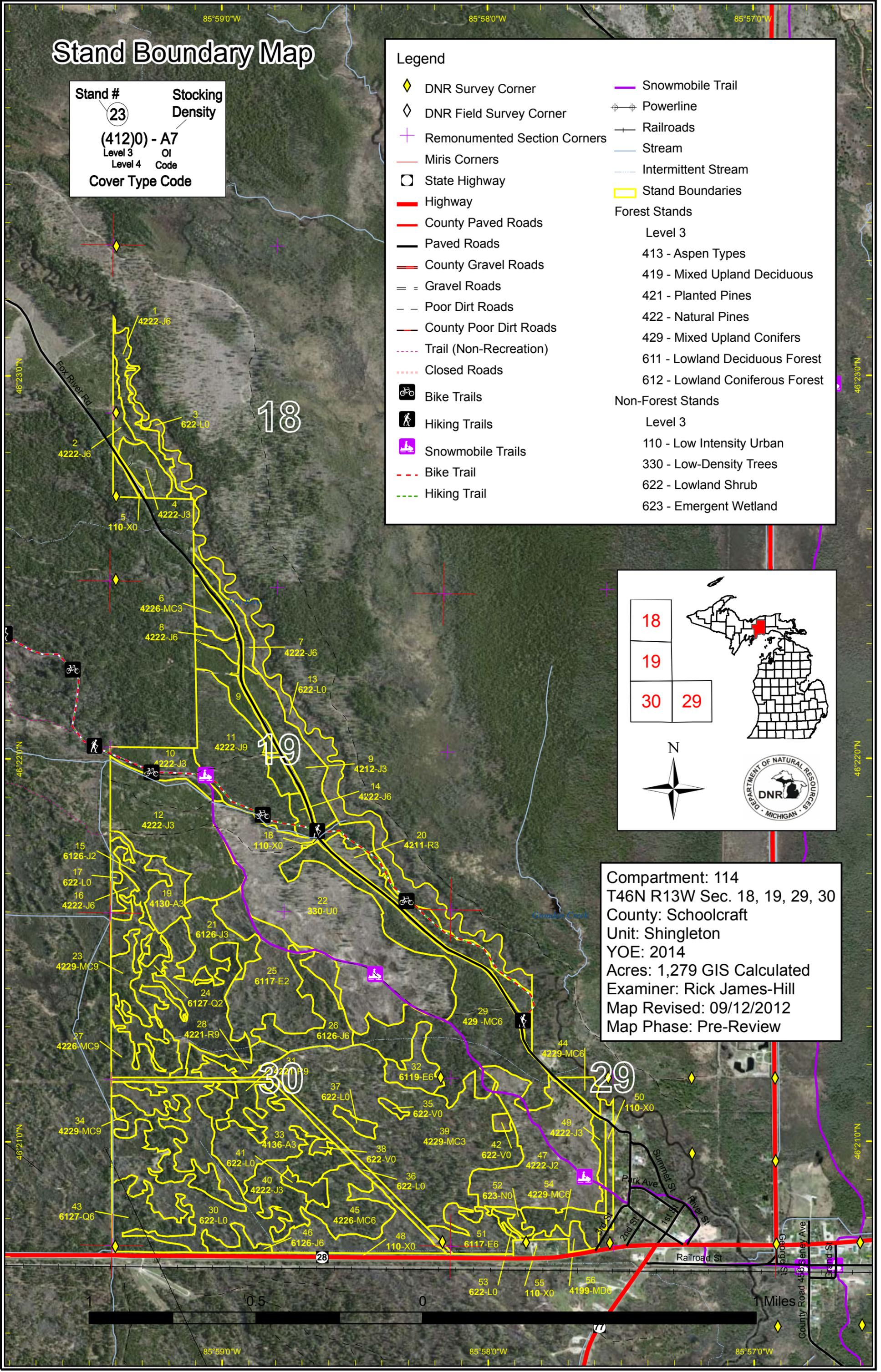


# Stand Boundary Map

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

## Legend

- DNR Survey Corner
  - DNR Field Survey Corner
  - Remonumented Section Corners
  - Miris Corners
  - State Highway
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Bike Trails
  - Hiking Trails
  - Snowmobile Trails
  - Bike Trail
  - Hiking Trail
  - Snowmobile Trail
  - Powerline
  - Railroads
  - Stream
  - Intermittent Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
- 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
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- Level 3
- 110 - Low Intensity Urban
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Compartment: 114  
 T46N R13W Sec. 18, 19, 29, 30  
 County: Schoolcraft  
 Unit: Shingleton  
 YOE: 2014  
 Acres: 1,279 GIS Calculated  
 Examiner: Rick James-Hill  
 Map Revised: 09/12/2012  
 Map Phase: Pre-Review



# Dedicated & Proposed Special Conservation Area Map

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

**Legend**

- + Remonumented Section Corners Non-Forest Stands
- Miris Corners
- Stand Boundaries
- Forest Stands
  - Level 3
    - 413 - Aspen Types
    - 419 - Mixed Upland Deciduous
    - 421 - Planted Pines
    - 422 - Natural Pines
    - 429 - Mixed Upland Conifers
    - 611 - Lowland Deciduous Forest
    - 612 - Lowland Coniferous Forest
  - Level 3
    - 110 - Low Intensity Urban
    - 330 - Low-Density Trees
    - 622 - Lowland Shrub
    - 623 - Emergent Wetland
- Dedicated Special Conservation Areas
  - Natural Rivers Vegetative Buffer
  - Natural Rivers Zoning District
  - Mineral Resource Points
  - Cold Water Streams
  - Wildlife Management Areas

Compartment: 114  
 T46N R13W Sec. 18, 19, 29, 30  
 County: Schoolcraft  
 Unit: Shingleton  
 YOE: 2014  
 Acres: 1,279 GIS Calculated  
 Examiner: Rick James-Hill  
 Map Revised: 09/12/2012  
 Map Phase: Pre-Review

18  
19  
30 29

N

