



Shingleton Forest Management Unit
Compartment Review Presentation
Compartment #190 Entry Year: 2014
Compartment Acreage: 805 County: Alger

Revision Date: August 15, 2012

Stand Examiner: Mario Molin

Legal Description: T46N R17W sections 35 & 36

RMU (if applicable): This compartment lies within the Cusino Complex Management Area.

Management Goals: To provide multiple use benefits for the citizens of Michigan.

Soil and Topography: Most of the soils are Carbondale Peat, with some Saugatuck Sand. The entire compartment is flat, low ground, with very little relief.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Hiawatha National Forest borders the compartment on the south. State forest land surrounds the rest of the compartment.

Unique, Natural Features (include only non-site specific and non-sensitive information): The rare northern blue butterfly (*Lycaeides idas nabokovi*, state threatened) occurs within the vicinity of this compartment. This species typically occurs in open sandy or rocky habitats, including patches within jack pine or spruce forests and along right-of-ways. It is often associated with its larval host plant, dwarf bilberry (*Vaccinium cespitosum*, state threatened), which has also been reported in the vicinity of the compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None known.

Special Management Designations or Considerations:

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 Poor-to-Good. Star Creek within the compartment area is classified SQCW, but almost immediately downstream warms enough to become SQWW. For that reason, the fishery might be marginal during warm summer months. It still should be good during the Spring and then again in September.

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 160 inches. The compartment falls within the Cusino Complex Management Area which highlights the following Featured Species: Moose, black bear, grey jay, northern goshawk and white-tailed deer. General Land Office Surveyor notes show the upland pre-settlement forest contained a mixture of hemlock, cedar, and sugar maple. Yellow birch, red maple, white pine, and balsam fir were also present. Lowlands appear to have been dominated by tamarack, cedar, and spruce. Aspen and red pine were also found in the lowlands. Star Creek forms the western boundary of this compartment. A small tributary courses down through the center of section 36. In 1850, the surveyors mentioned windthrow cedar trees and beaver ponding as natural disturbances along these water courses. Although the current major timber types within the compartment are very similar to those found at the time of the original survey, the forest structure is substantially different. This compartment lies on the southeastern corner of the Petrel Deer Wintering Complex. Gray wolves are known to frequent this area, especially during the winter deeryarding time frame. Moose (Michigan special concern) have also been observed within the compartment. Other wildlife species of interest within this compartment may include Blackburnian warbler, gray jay, fisher, mink and bobcat.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck and lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone/dolomite. The nearest gravel pit is in Section 25, but potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access: This compartment is inaccessible to vehicular traffic.

Survey Needs: None known at this time.

Recreational Facilities and Opportunities: This area is used for hunting and fishing.

Fire Protection: This compartment contains mainly cedar types on low, wet ground with poor access.

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 +	Uneven Age	
Aspen	0	34	0	0	0	0	0	0	0	0	0	0	0	0	34
Cedar	0	0	0	0	49	7	60	86	0	121	16	0	120	0	459
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jack Pine	0	6	0	16	14	0	0	0	20	0	0	0	0	0	57
Lowland Deciduous	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Lowland Shrub	94	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Lowland Spruce/Fir	0	2	0	0	5	0	28	75	0	17	0	0	0	0	127
Paper Birch	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Upland Conifers	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Total	108	42	0	16	68	9	99	161	20	145	16	0	120	0	805



Table 2 – Proposed Treatment Summaries

Shingleton Mgt. Unit
Year of Entry 2014

Compartment 190
Total Compartment Acres: 804.9

Acres by Treatment Type

Commercial Harvest - 83	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>
Cedar	34	0	0	0	0	0	34
Jack Pine	21	0	0	0	0	0	21
Lowland Spruce/Fir	23	0	0	0	0	0	23
Paper Birch	0	0	5	0	0	0	5
Total	78	0	5	0	0	0	83



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	41190016-Cut	15.5	6120 - Lowland Cedar	High Density Log	175	141-170	Harvest	Patch or Strip Clearcut	6120 - Lowland Cedar	Cmpt. Review Proposal
<u>Prescription</u> Cut strips that are in between the strips for stand 13 and also cut more strips. Consider cutting new strips east/west for comparison. New strip locations can be decided upon during prep, stand is fairly uniform but there are areas with better marketable timber. <u>Specs:</u> <u>Other Comments:</u> Cedar strip cuts regenerate best with no retention within in the cut. <u>Next Steps:</u> Follow up according to work instructions. <u>Proposed Start Date:</u> 10/01/2013										
25	41190025-Cut	11.1	6120 - Lowland Cedar	High Density Pole	95	141-170	Harvest	Patch or Strip Clearcut	6120 - Lowland Cedar	Cmpt. Review Proposal
<u>Prescription</u> Strip cut, location to be determined at time of prep. <u>Specs:</u> <u>Other Comments:</u> Cedar strip cuts regenerate best with no retention within in the cut. <u>Next Steps:</u> Follow up according to work instructions. <u>Proposed Start Date:</u> 10/01/2013										
28	41190028-Cut	4.3	6120 - Lowland Cedar	High Density Pole	93	141-170	Harvest	Patch or Strip Clearcut	6120 - Lowland Cedar	Cmpt. Review Proposal
<u>Prescription</u> Strip cut, location to be determined at time of prep. <u>Specs:</u> <u>Other Comments:</u> Cedar strip cuts regenerate best with no retention within in the cut. <u>Next Steps:</u> Follow up according to work instructions. <u>Proposed Start Date:</u> 10/01/2013										
30	41190030-Cut	23.4	6122 - Black Spruce	High Density Pole	78	81-110	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with cedar and birch reserved. <u>Specs:</u> Retention will be along edges and small fingers. <u>Other Comments:</u> <u>Next Steps:</u> Follow up according to work instructions. <u>Proposed Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
31	41190031-Cut	2.8	6120 - Lowland Cedar	High Density Pole	106	141-170	Harvest	Clearcut	6120 - Lowland Cedar	Cmpt. Review Proposal

Prescription Strip cuts, location to be determined at prep.

Specs:

Other Cedar strip cuts regenerate best with no retention with in the cut.

Comments:

Next Follow up according to work instructions.

Steps:

Proposed

Start Date: 10/01/2013

39	41190039-Cut	20.5	6126 - Lowland Jack Pine	High Density Pole	81	51-80	Harvest	Clearcut with Reserves	6126 - Lowland Jack Pine	Cmpt. Review Proposal
----	--------------	------	-----------------------------	-------------------------	----	-------	---------	---------------------------	-----------------------------	--------------------------

Prescription Clear cut with birch reserved.

Specs: Retention will be along edges and small fingers.

Other

Comments:

Next Follow up according to work instructions.

Steps:

Proposed

Start Date: 10/01/2013

**Total Treatment
Acreage Proposed: 77.6**



S
t
a
n
d

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

#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



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41009014-Cut1	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

41044_OutOfY OE-Cut	0.9					Harvest	Crown Thinning	42210 - Natural Red Pine	Cmpt. Review Proposal - Incomplete
----------------------------	-----	--	--	--	--	---------	----------------	--------------------------	------------------------------------

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

41172002-Cut	4.4	4112 - Maple, Beech, Cherry Association	High Density Pole	49		Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
---------------------	-----	---	-------------------	----	--	---------	-----------------------	--------------------------------	-----------------------

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**

S
t
a
n
d

Shingleton Mgt. Unit

5 – Forested Stands

Compartment: 190
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6115 - Lowland Ash	High Density Pole	2.2	50	1-50	
3	6120 - Lowland Cedar	Low Density Sapling	6.8	50		
4	6120 - Lowland Cedar	High Density Pole	5.8	63	81-110	cedar 70 40 20 spruce 10 50 30 birch 10 10 20
5	4134 - Aspen, Spruce/Fir	High Density Sapling	34.1	12		
7	6120 - Lowland Cedar	High Density Pole	17.7	73	141-170	cedar 150 70 50 spruce 60 20 30 fir 20 10 0 aspen 20 0 10 birch 0 20 10
						Has areas of blow down with very good cedar regeneration.
8	6120 - Lowland Cedar	High Density Pole	24.9	67	81-110	cedar 70 100 90 spruce 30 10 20 tam 0 0 10
10	6120 - Lowland Cedar	Low Density Pole	7.7	73	1-50	cedar 10 0 20 spruce 0 10 0 birch 0 10 10
11	4193 - Birch, Aspen	Medium Density Log	5.1	91	81-110	r maple 20 0 0 birch 30 40 0 aspen 30 90 0 fir 0 40 0
						Stand has basically fallen down (died) Should have been cut last or 2 cycles ago. Regenerating with red maple fir and some aspen.
13	6120 - Lowland Cedar	High Density Sapling	12.5	49		Strip cuts from the early 1960's with fantastic regeneration of cedar.
14	6122 - Black Spruce	High Density Pole	5.3	43	1-50	Clearcut in the early 1960's with fantastic regeneration.
15	6122 - Black Spruce	High Density Pole	17.7	68	51-80	spruce 30 60 60 Tamarack 10 10 20



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	6120 - Lowland Cedar	High Density Log	119.8	175	141-170	cedar 130 130 110 160 140 180 180 spruce 0 0 0 40 0 0 10 fir 0 10 0 0 0 0 0 tamarack 10 0 0 0 0 0 0 Old OI/cutting records indicates that 100 ft strip along the railroad grade was not harvested (in recorded history) in because of right-of-way. Consider maintaining this 100 ft no cut along the railroad, this area can possibly then be typed as "old growth" trees I cored in that strip were between 175 and 200 years old.
17	6120 - Lowland Cedar	High Density Sapling	7.4	47		Heavy with cedar regeneration.
18	42390 - Mixed Non-Pine Upland Conifers	Low Density Log	7.2	66	51-80	w pine 50 40 10 spruce 20 0 30 cedar 0 30 10 Trees are oddly short.....
19	6120 - Lowland Cedar	High Density Pole	5.6	90	111-140	Lots of variability in the sizes, no obvious type change. cedar 130 60 90 spruce 0 30 20 birch 0 0 10
21	6120 - Lowland Cedar	High Density Pole	60.4	79	111-140	cedar 60 120 110 spruce 10 10 10 tamarack 0 10 10 birch 0 0 20 Small inclusion of 67 yr old spruce in the south west corner with supercanopy white pine.
22	6120 - Lowland Cedar	High Density Sapling	29.0	49		
23	6122 - Black Spruce	High Density Pole	30.2	75	81-110	Can cut if needed, stand is healthy and will last till next entry. Looking at cutting some other stands to break up the age class. Mot of the spruce in the compartment is within 10 years of eachother.
24	6120 - Lowland Cedar	High Density Pole	29.4	63	111-140	One stick cedar. cedar 120 60 40 80 spruce 10 0 20 30 tamarack 20 20 20 20 birch 0 0 0 10
25	6120 - Lowland Cedar	High Density Pole	67.4	95	141-170	ood regen in gaps. cedar 100 90 100 spruce 10 10 20 birch 10 0 0 tamarack 0 70 20
28	6120 - Lowland Cedar	High Density Pole	48.2	93	141-170	cedar 70 170 110 birch 10 0 0 spruce 20 20 30



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	42390 - Mixed Non-Pine Upland Conifers	Low Density Pole	4.5	65	1-50	Old clearcut that did not regenerate well. cedrar 20 10 20 tamarack 0 10 0 j pine 0 0 10
30	6122 - Black Spruce	High Density Pole	44.8	78	81-110	Scattered cedar with good regen in openings. Areas with smaller diameter spruce, it same age as rest of stand. More tamarack and birch in the south end. spruce 90 50 40 cedar 0 40 20 tamarack 0 0 20
31	6120 - Lowland Cedar	High Density Pole	16.3	106	141-170	cedar 120 100 160 tamarack 40 20 0
36	6122 - Black Spruce	Low Density Pole	2.8	66	1-50	Wetter site.
38	6122 - Black Spruce	High Density Pole	5.6	63	51-80	Cut in 10 years, very little growth. spruce 30 70 50 tamarack 20 20 0 w pine 10 0 0
39	6126 - Lowland Jack Pine	High Density Pole	20.5	81	51-80	Large jack pine, some is starting to drop out. jack pine 30 30 60 spruce 0 0 20 w pine 0 20 0 birch 0 10 0
41	6122 - Black Spruce	High Density Pole	1.5	63	81-110	Maple and birch on the edges.
42	6122 - Black Spruce	High Density Pole	16.9	91	51-80	Small pocket of XL white pine. Area is slightly higher ground with good birch scattered around. spruce 20 30 30 j pine 20 0 10 wpine 20 30 0 birch 10 20 40
44	42200 - Natural White Pine	Low Density Log	2.0	96		Clearcut from adjacent compartment cut in 99, red and white pine reserved. Stand is regenerating with mostly fir, w pine and j pine.
46	42220 - Natural Jack Pine	High Density Sapling	5.7	13		
48	6126 - Lowland Jack Pine	Low Density Pole	14.1	43	1-50	Patchy stocking, has a drainage snaking through. Better stocking to the north.
49	6122 - Black Spruce	Medium Density	2.1	13		Few w pine seed trees.

S
t
a
n
d

Shingleton Mgt. Unit

5 – Forested Stands

Compartment: 190
Year of Entry: 2014



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	6126 - Lowland Jack Pine	High Density Pole	16.3	39	51-80	Checkerboard of patches, more spruce in the north finger.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	11 - Low Intensity Urban	1.6	No	Unspecified	
6	3102 - Grass	1.0	No	Unspecified	
9	11 - Low Intensity Urban	1.8	N/A	Unspecified	
12	6220 - Alder/willow	5.3	No	Unspecified	
20	6220 - Alder/willow	3.0	No	Unspecified	
26	11 - Low Intensity Urban	7.6	No	Unspecified	
27	6229 - Mixed lowland shrub	10.0	No	Unspecified	
32	6220 - Alder/willow	1.3	No	Unspecified	
33	6220 - Alder/willow	9.5	No	Unspecified	
34	6220 - Alder/willow	3.2	No	Unspecified	
35	6229 - Mixed lowland shrub	17.0	No	Unspecified	
37	6229 - Mixed lowland shrub	23.0	No	Unspecified	
40	6220 - Alder/willow	10.4	No	Unspecified	
43	6229 - Mixed lowland shrub	3.5	No	Unspecified	
45	50 - Water	1.7	No	Unspecified	Seasonal pond, had a few shrubs and grass mounds.
47	6229 - Mixed lowland shrub	6.0	No	Unspecified	
51	6229 - Mixed lowland shrub	1.7	No	Unspecified	Narrow drainage on the compartment line with scattered trees



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.

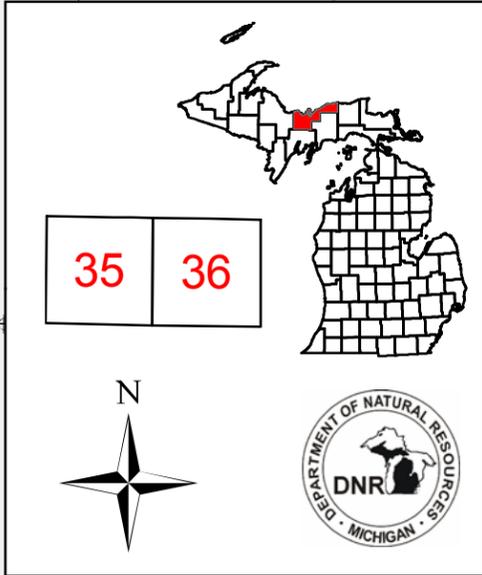
ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

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.

Cover Type & Treatment Map

Compartment: 190
 T46N R17W Sec. 35, 36
 County: Alger
 Unit: Shingleton
 YOE: 2014
 Acres: 805 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 09/12/2012
 Map Phase: Pre-Review

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



Legend

- ◆ DNR Survey Corner
- ◇ DNR Field Corner
- ✚ Remonumented Section Corners
- Miris Corners
- Highway
- Paved Roads
- - - Poor Dirt Roads
- Railroads
- ✚ Powerline
- Stream
- - - Intermittent Stream
- Lakes and Rivers

Treatments

- ▨ Clearcut (w/Reserves, Patch/Strip)
- ▩ Seed Tree (w/Reserves)

Forest Stands

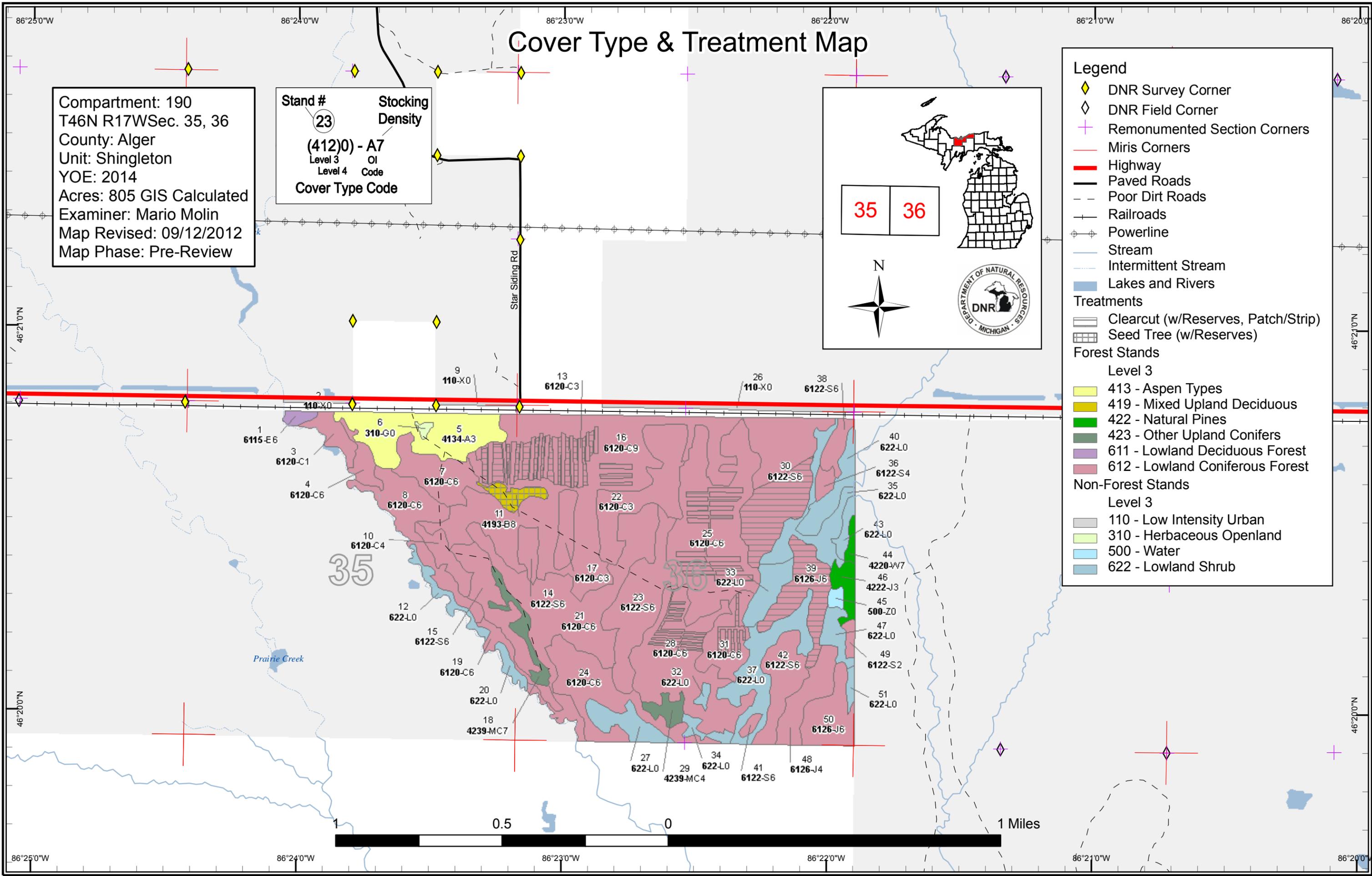
Level 3

- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

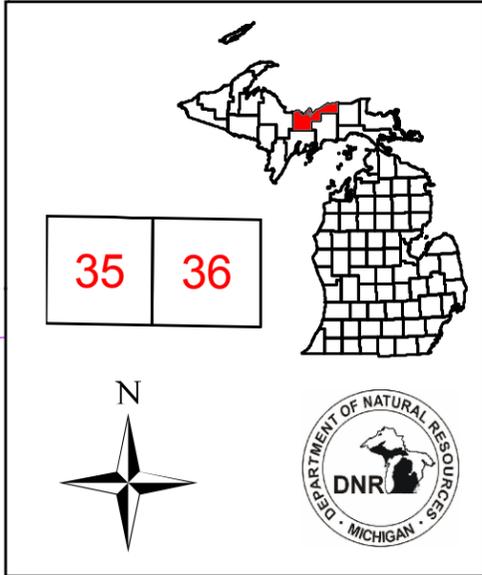
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



Dedicated & Proposed Special Conservation Area Map

Compartment: 190
 T46N R17W Sec. 35, 36
 County: Alger
 Unit: Shingleton
 YOE: 2014
 Acres: 805 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 09/12/2012
 Map Phase: Pre-Review

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



- Legend**
- ✚ Remonumented Section Corners
 - Miris Corners
 - ▭ Stand Boundaries
 - Forest Stands**
 - Level 3
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands**
 - Level 3
 - 110 - Low Intensity Urban
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub
 - Dedicated Special Conservation Areas**
 - Cold Water Streams
 - Deer Wintering Areas

