



# Compartment Review Presentation

## Shingleton Forest Management Unit

Compartment 53

Entry Year 2015

Acreage: 2,190

County Schoolcraft

Management Area: Seney Manistique Swamp

**Revision Date:** 08/06/2013

**Stand Examiner:** Tori Irving

### Legal Description:

T43N, R15W, Sections 12-15

### Identified Planning Goals:

Timber, wildlife, fisheries, and recreation are the main uses of this area. The goal is to manage for all uses simultaneously and to provide, enhance, and perpetuate their uses through proper management. Proposed forest treatments will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

### Soil and topography:

The terrain in this compartment is relatively flat; however, there are upland ridges of pine protruding into the open marsh. Most of the upland types within this compartment are well drained Wallace Sands. The lowland marshes are poorly drained Houghton soil types. The banks around the West Branch Manistique River are highly erodible and are continually depositing sand in the river. The majority of the compartment lies within the Manistique Sloughs/Muskeg Land Type Association (LTA), the West Branch River corridor is within the West Branch Manistique LTA and the extreme west portion of the compartment in the Section 15 is within Hickey Creek Peatlands LTA.

### Ownership Patterns, Development, and Land Use in and Around the Compartment:

Land ownership in the compartment is contiguous on the west side of the West Branch of the Manistique River. On the east side of the river, there are two smaller blocks. The Department does not currently have easements through the private portions of Cal's Drive. This often causes conflict with any land management activities. If at all possible, acquiring easements along this road would be very beneficial. Development in the area is minor, the private in-holdings do not often change hands and the cabins on the lands have been there for many years.

### Unique Natural Features:

Currently under review by Michigan Natural Features Inventory (MNFI)

### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

### Special Management Designations or Considerations:

The Walsh Ditch on the eastern edge of the compartment is a man-made ditch, it was blocked in 1997 to try and revert water back to its original course of Little Duck Creek. Beaver have a large impact on the resource in this area.

### Watershed and Fisheries Considerations:

None.

### Wildlife Habitat Considerations:

### Mineral Resource and Development Concerns and/or Restrictions

Sections 12 - 15, T43N-R15W, Schoolcraft County

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Queenston Shale and Big Hill Dolomite subcrop below the glacial drift. The Big Hill could be used for stone/dolomite. The nearest gravel pit is four miles to the west and potential appears to be limited. There is a clay pit 4 miles to the west. There is no commercial oil and gas production in the UP.

### Vehicle Access:

On the west side of the compartment, there is a well-established road system. These roads are sand forest roads and are can be driven throughout most times of the year. On the east side, the main access is on Cal's Drive. The interior of the compartment does not have an established road system and the best way to gain access is in the winter by snowmobile.

### Survey Needs:

None needed.

**Recreational Facilities and Opportunities:**

There are no developed recreation facilities within this compartment. Secluded hunting opportunities do exist

**Fire Protection:**

**Additional Compartment Information:**

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

The following information is displayed, where pertinent, on the attached compartment maps:

- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

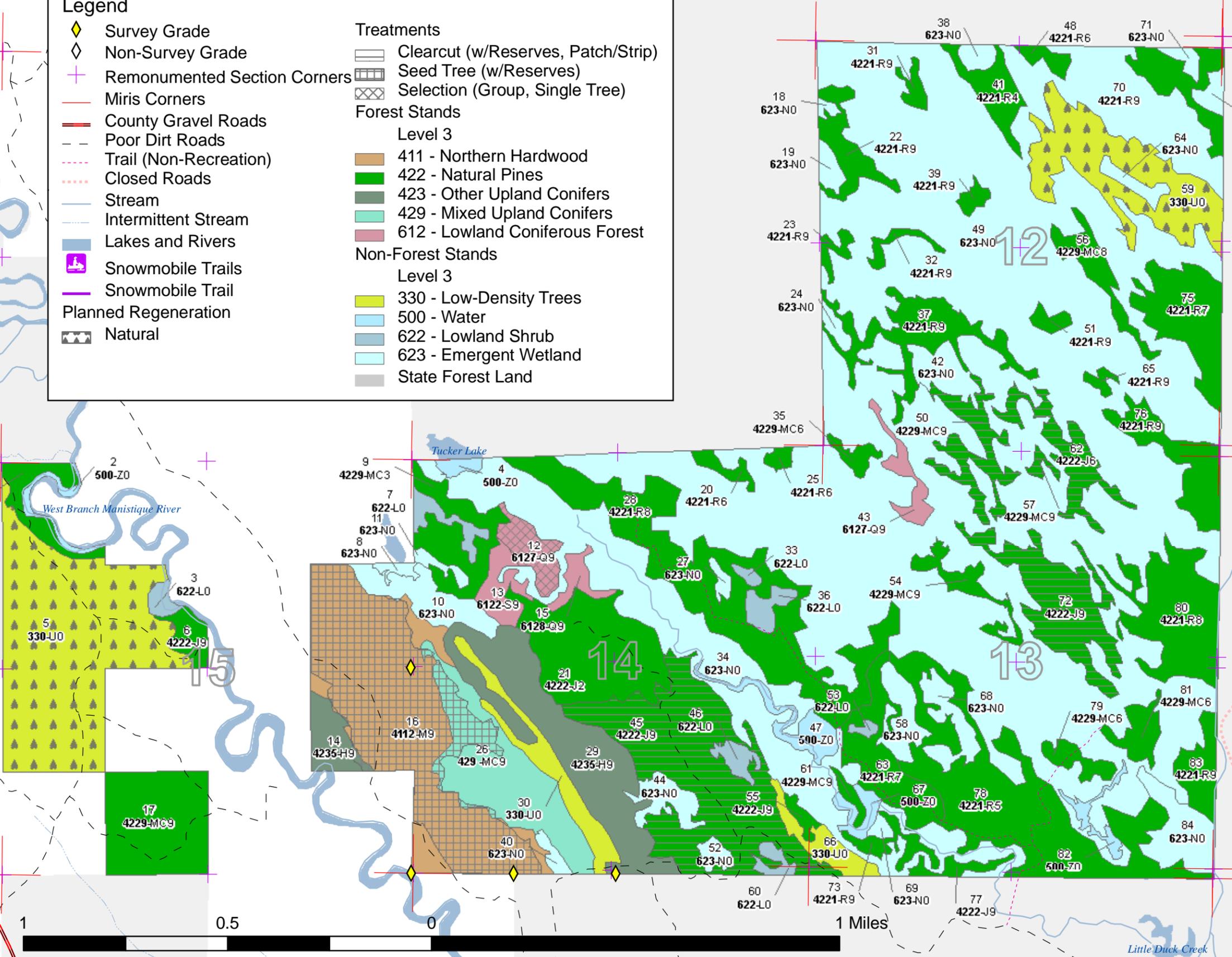
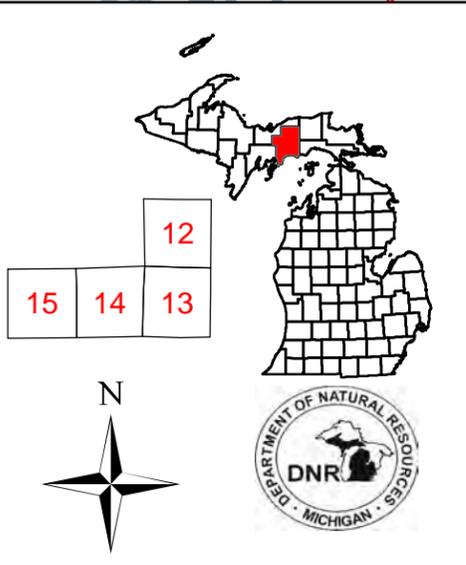
# Cover Type & Treatment Map

Compartment: 53  
 T43N R15W Sec. 12, 13, 14, 15  
 County: Schoolcraft  
 Unit: Shingleton  
 YOE: 2015  
 Acres: 2,190 GIS Calculated  
 Examiner: Tori Irving  
 Map Revised: 09/12/2013  
 Map Phase: Pre-Review

## Legend

- |                                  |                                      |
|----------------------------------|--------------------------------------|
| ◆ Survey Grade                   | <b>Treatments</b>                    |
| ◇ Non-Survey Grade               | ▭ Clearcut (w/Reserves, Patch/Strip) |
| ⊕ Remonumented Section Corners   | ▨ Seed Tree (w/Reserves)             |
| ⊖ Miris Corners                  | ▩ Selection (Group, Single Tree)     |
| — County Gravel Roads            | <b>Forest Stands</b>                 |
| - - - Poor Dirt Roads            | <b>Level 3</b>                       |
| - · - · - Trail (Non-Recreation) | ■ 411 - Northern Hardwood            |
| ⋯ Closed Roads                   | ■ 422 - Natural Pines                |
| — Stream                         | ■ 423 - Other Upland Conifers        |
| - · - · - Intermittent Stream    | ■ 429 - Mixed Upland Conifers        |
| — Lakes and Rivers               | ■ 612 - Lowland Coniferous Forest    |
| ⊕ Snowmobile Trails              | <b>Non-Forest Stands</b>             |
| — Snowmobile Trail               | <b>Level 3</b>                       |
| ▭ Planned Regeneration           | ■ 330 - Low-Density Trees            |
| ▩ Natural                        | ■ 500 - Water                        |
|                                  | ■ 622 - Lowland Shrub                |
|                                  | ■ 623 - Emergent Wetland             |
|                                  | ■ State Forest Land                  |

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



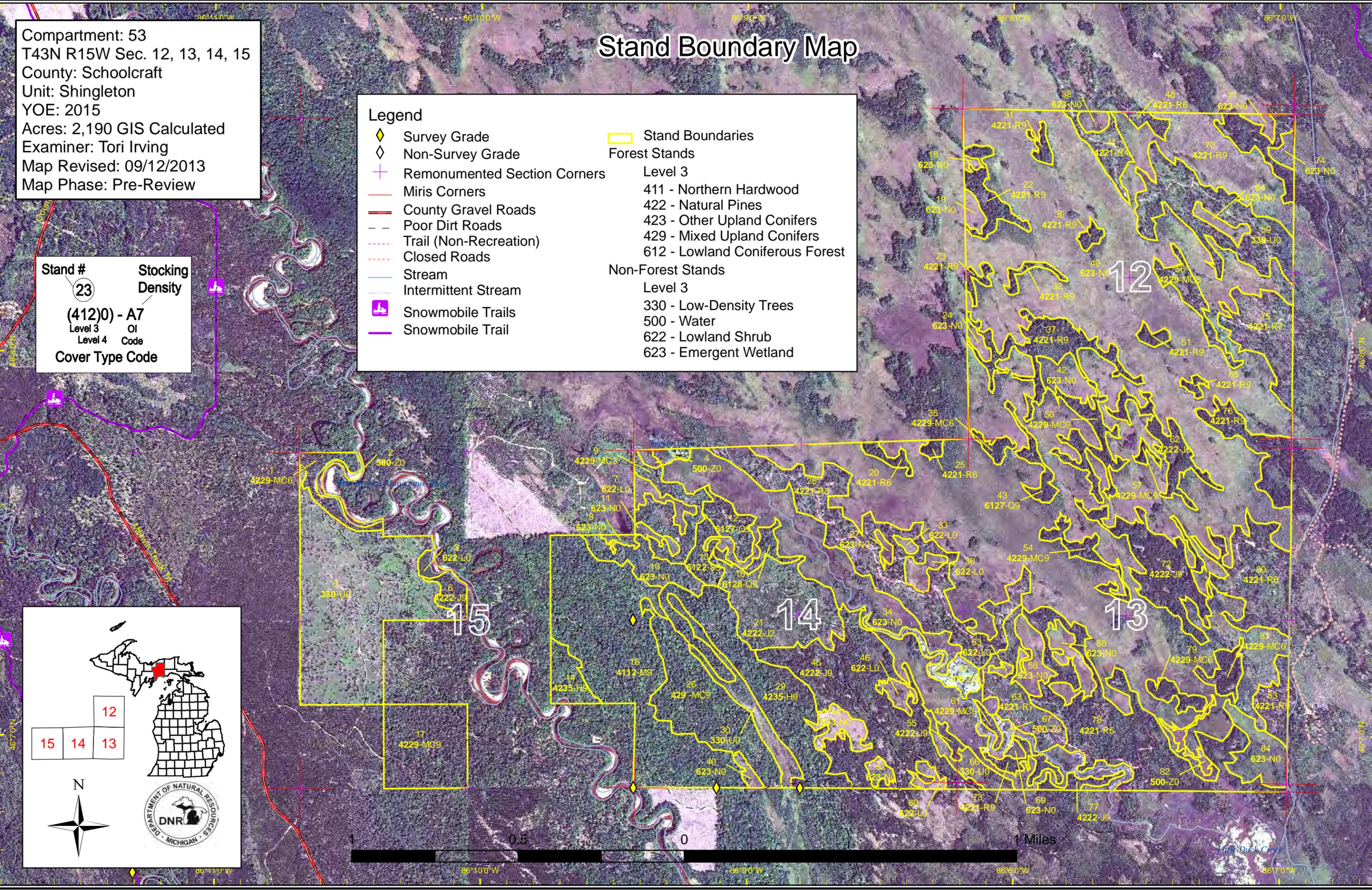
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 T43N R15W Sec. 12, 13, 14, 15  
 County: Schoolcraft  
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 Examiner: Tori Irving  
 Map Revised: 09/12/2013  
 Map Phase: Pre-Review

# Stand Boundary Map

**Legend**

◆ Survey Grade	□ Stand Boundaries
◇ Non-Survey Grade	Forest Stands
✚ Remonumented Section Corners	Level 3
— Miris Corners	411 - Northern Hardwood
— County Gravel Roads	422 - Natural Pines
- - - Poor Dirt Roads	423 - Other Upland Conifers
- - - Trail (Non-Recreation)	429 - Mixed Upland Conifers
⋯ Closed Roads	612 - Lowland Coniferous Forest
— Stream	Non-Forest Stands
— Intermittent Stream	Level 3
🚙 Snowmobile Trails	330 - Low-Density Trees
— Snowmobile Trail	500 - Water
	622 - Lowland Shrub
	623 - Emergent Wetland

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



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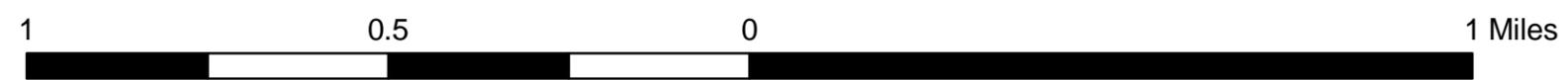
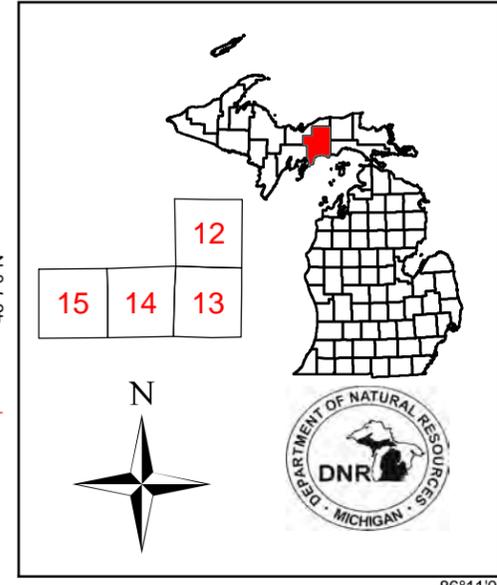
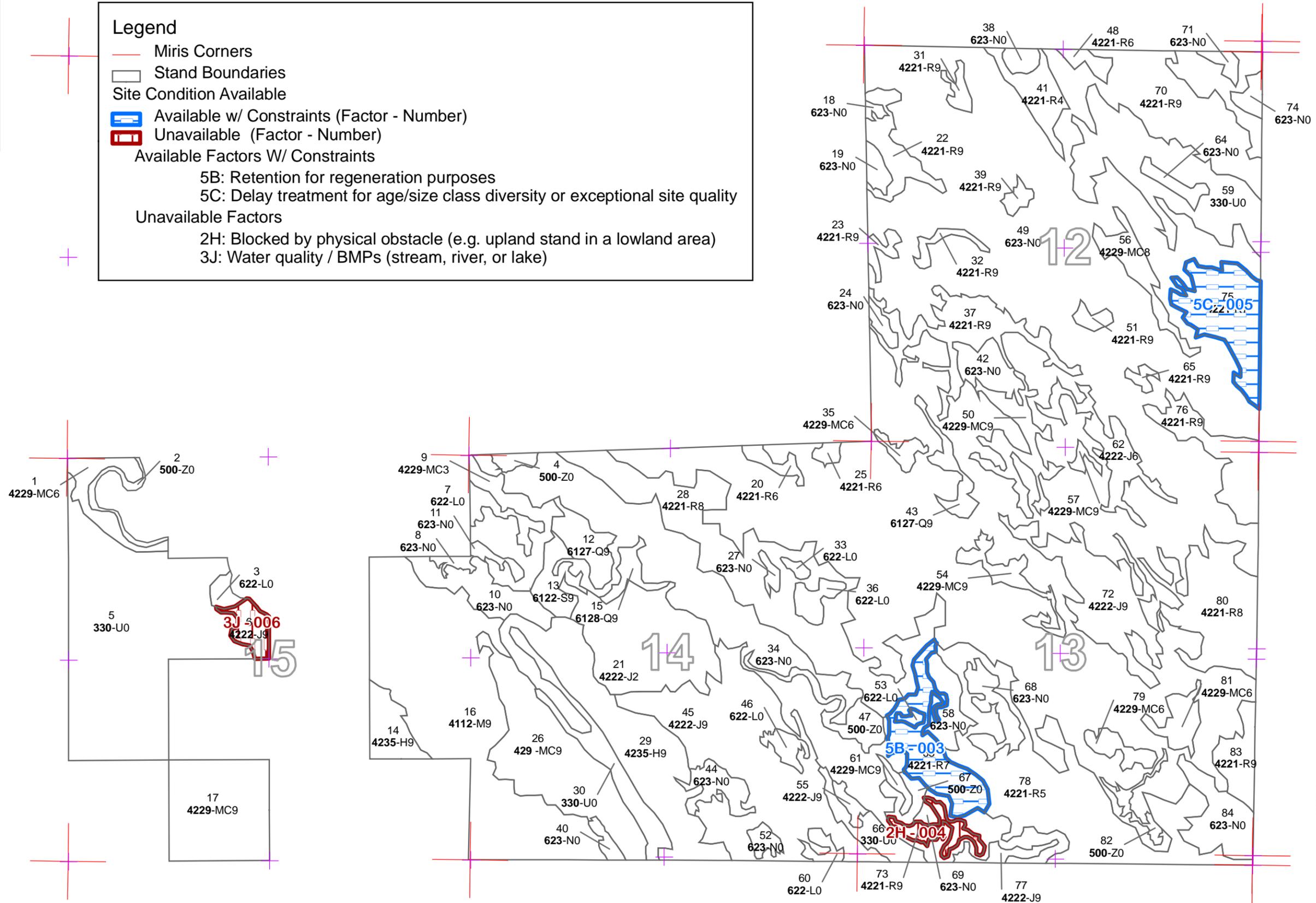
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 Map Revised: 09/12/2013  
 Map Phase: Pre-Review

# Special Conservation Areas & Site Conditions Map

## Legend

-  Miris Corners
-  Stand Boundaries
- Site Condition Available
-  Available w/ Constraints (Factor - Number)
-  Unavailable (Factor - Number)
- Available Factors W/ Constraints
  - 5B: Retention for regeneration purposes
  - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
  - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
  - 3J: Water quality / BMPs (stream, river, or lake)

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



46°8'0"N

46°7'0"N

46°8'0"N

46°7'0"N

86°11'0"W

86°10'0"W

86°9'0"W

86°8'0"W

86°7'0"W

Report 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
Hemlock	0	0	0	0	0	0	0	0	0	0	59	11	0	0	70
Jack Pine	0	47	0	0	0	0	53	86	7	0	0	0	0	0	193
Low-Density Trees	190	0	0	0	0	0	0	0	0	0	0	0	0	0	190
Lowland Conifers	0	0	0	0	0	0	6	5	0	10	0	0	0	0	22
Lowland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Spruce/Fir	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Marsh	995	0	0	0	0	0	0	0	0	0	0	0	0	0	995
Natural Mixed Pines	0	21	0	13	0	0	29	54	11	0	0	0	0	0	128
Northern Hardwood	0	0	0	0	0	0	0	0	113	0	0	0	0	0	113
Red Pine	0	0	0	0	0	34	200	112	0	0	24	0	0	0	370
Upland Conifers	0	0	0	0	0	0	0	0	0	0	50	0	0	0	50
Water	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
<b>Total</b>	<b>1233</b>	<b>68</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>34</b>	<b>290</b>	<b>267</b>	<b>131</b>	<b>10</b>	<b>133</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>2190</b>



## Report 2 – Proposed Treatment Summaries

**Shingleton Mgt. Unit**  
**Year of Entry 2015**

**Compartment 053**  
**Total Compartment Acres: 2,190**

### Acres by Treatment Type

Commercial Harvest - 284    Tree Planting - 0    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
	0	10	0	0	0	0	10
<b>Lowland Coniferous Forest</b>	0	10	0	0	0	0	10
<b>Natural Pines</b>	150	0	0	0	0	0	150
<b>Northern Hardwood</b>	0	0	112	0	0	0	112
<b>Total</b>	<b>150</b>	<b>21</b>	<b>112</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</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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<b>41053_OutOfY OE-Cut</b>	10.4					Harvest	Single Tree Selection	42290 - Natural Mixed Pine	Fld. Tr. Bdy.
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Prescription Mark red pine and white pine to 30 sq. ft. Create gaps in canopy for regeneration where pine exists. Areas that have thicker young poles can be marked to 80. Cut all other species except hemlock and oak if present.

Other Comments: Access to stand is too difficult for continuous thinning.

Next Steps: Regen walkthrough during next inventory cycle. Acceptable regeneration includes any species mixture currently found onsite.

Proposed Start Date: 10/01/2012

<b>12 41053012_cut-Cut</b>	10.4	6127 - Lowland Pine	High Density Log	90	51-80	Harvest	Single Tree Selection	6127 - Lowland Pine	Cmpt. Review Proposal
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Prescription Seed tree. Leave 1-2 red pine trees per acre. There are several drainages scattered through the stand. Winter cut.

Other Comments:

Next Steps: Monitor for regeneration success. Acceptable regeneration mix includes species currently represented in the canopy. If natural regeneration fails, plant red pine.

Proposed Start Date: 10/01/2014

<b>16 41053016-Cut</b>	112.3	4112 - Maple, Beech, Cherry Association	High Density Log	80	51-80	Harvest	Seed Tree	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
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Prescription Remove all trees except hemlock, cherry, yellow birch and any resistant beech. Residual BA will range anywhere from 10-40.

Other Comments:

Next Steps: Monitor regeneration. Acceptable regeneration includes a mix of current canopy species. Beech regeneration will need to be monitored. If it impedes the maple regeneration, cultivation measures may need to be taken.

Proposed Start Date: 10/01/2013

<b>45 41053045-Cut</b>	83.8	42220 - Natural Jack Pine	High Density Log	72	81-110	Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Cut all jack pine and black spruce. Mark red pine and white pine to create room for harvest and scarification operations.

Other Comments:

Next Steps: Scarify after harvest is complete. Continue to monitor for regeneration success. Acceptable regeneration mix includes species currently represented in the canopy. If natural regeneration fails, trench and plant jack pine.

Proposed Start Date: 10/01/2014

<b>50 41053050-Cut</b>	15.8	42290 - Natural Mixed Pine	High Density Log	67	81-110	Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Cut all jack pine and black spruce. Mark red pine and white for maneuverability and scarification operations.

Other Comments:

Next Steps: Scarify after harvest is complete. Continue to monitor for regeneration success. Acceptable regeneration mix includes species currently represented in the canopy. If natural regeneration fails, trench and plant jack pine.

Proposed Start Date: 10/01/2014



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
57 41053057-Cut	1.6	42290 - Natural Mixed Pine	High Density Log	66		Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal

Prescription: Clearcut with reserves. Cut all jack pine and black spruce. Mark red pine and white for maneuverability and scarification operations.  
Specs:

Other Comments:

Next Steps: Scarify after harvest is complete. Continue to monitor for regeneration success. Acceptable regeneration mix includes species currently represented in the canopy. If natural regeneration fails, trench and plant jack pine.

Proposed Start Date: 10/01/2014

62 41053062-Cut	15.6	42220 - Natural Jack Pine	High Density Pole	66		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription: Clearcut with reserves. Cut all jack pine and black spruce. Mark red pine and white for maneuverability and scarification operations.  
Specs:

Other Comments:

Next Steps: Scarify after harvest is complete. Continue to monitor for regeneration success. Acceptable regeneration mix includes species currently represented in the canopy. If natural regeneration fails, trench and plant jack pine.

Proposed Start Date: 10/01/2014

72 41053072-Cut	33.7	42220 - Natural Jack Pine	High Density Log	67		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription: Clearcut with reserves. Cut all jack pine and black spruce. Mark red pine and white for maneuverability and scarification operations.  
Specs:

Other Comments:

Next Steps: Scarify after harvest is complete. Continue to monitor for regeneration success. Acceptable regeneration mix includes species currently represented in the canopy. If natural regeneration fails, trench and plant jack pine.

Proposed Start Date: 10/01/2014

**Total Treatment Acreage Proposed: 283.5**



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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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#Type! #Type!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment**  
**Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment 053

Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5C	5B	3J	2H
	Available	Not Available						
70	70		Hemlock	70				
193	187	7	Jack Pine	187			7	
22	22		Lowland Conifers	22				
9	9		Lowland Spruce/Fir	9				
128	128		Natural Mixed Pines	128				
113	113		Northern Hardwood	113				
370	363	6	Red Pine	313	27	24		6
50	50		Upland Conifers	50				
956	943	13	Total Forested Acres	892	27	24	7	6
	99%	1%	Relative Percent					

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
003	Available	5B: Retention for regeneration purposes	24				
<b>Comments:</b> Stand was recently cut as part of the 13 Mile Pine Sale. Sale completion date was on 11/21/2011. Remaining overstory trees are providing a seed source.							
004	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6				
<b>Comments:</b>							
005	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27				
<b>Comments:</b>							

**Report 5 – Site Conditions**

**Shingleton Mgt. Unit**

**Tori Irving : Examiner**

**Compartment 053**

**Year of Entry 2015**

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006	Not Available	3J: Water quality / BMPs (stream, river, or lake)	7
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**Comments:**

Stand is only 7 acres. After the river buffer, the acreage is minimal.

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### Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
<b>Comments</b>				



### Report 7 – 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42290 - Natural Mixed Pine	High Density Pole	10.8	80	51-80	Jack pine is not doing well. Red pine looks healthy.
6	42220 - Natural Jack Pine	High Density Log	6.6	80		
9	42290 - Natural Mixed Pine	High Density Sapling	21.1	15		Stand was cut around 1988 and was never scarified.
12	6127 - Lowland Pine	High Density Log	10.4	90	51-80	Red pine ridge. Southern end has more red pine. Stand has a low BA and is probably not going to get much bigger. Stand was cut in 1998 and all of the red pine was left as residual. There is a small pocket of spruce on the edge of the stand.
13	6122 - Black Spruce	High Density Log	9.3	75	111-140	Access to this stand will be a bit of a challenge. Some road construction will need to take place in order to access the timber. An old road ends about 1/4 mile away. The stand has quite a few drainages throughout the stand. There are some scattered pockets of red pine.
14	42350 - Upland Hemlock	High Density Log	11.0	118	81-110	
15	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	4.9	75		Stand is full of drainages. It would be hard to manage the site due to the amount of small fingers in the stand.
16	4112 - Maple, Beech, Cherry Association	High Density Log	113.4	80	51-80	This stand was part of sale #49-86 and was cut around 1988.
17	42290 - Natural Mixed Pine	High Density Log	40.6	75	81-110	
20	42210 - Natural Red Pine	High Density Pole	3.5	67	81-110	
21	42220 - Natural Jack Pine	Medium Density	47.2	14		Stand was cut as part of sale #38-096-01 and was completed in 1999. Stand was treated under FTP-764. Stand was counted in 2002 and 879 tpa were found. Stand is fully regenerated and the FTP was closed with a blanket letter 1/7/2004.
22	42210 - Natural Red Pine	High Density Log	12.0	66		
23	42210 - Natural Red Pine	High Density Log	3.0	66		
25	42210 - Natural Red Pine	High Density Pole	1.9	67	81-110	
26	429 - Mixed Upland Conifers	High Density Log	49.5	101	81-110	Stand was thinned in 1988. There is a good mix of regeneration in the stand. The hemlock is regenerating really well. There is some a small amount of beech in the stand that is dying out.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	42210 - Natural Red Pine	Medium Density Log	78.7	74	51-80	The stand was cut as part as of 13 Mile Pine Sale #26-05. Sale was complete on 11/21/2011.
29	42350 - Upland Hemlock	High Density Log	59.4	101	81-110	The stand was thinned in 1988.
31	42210 - Natural Red Pine	High Density Log	3.1	66		
32	42210 - Natural Red Pine	High Density Log	3.1	67		
35	42290 - Natural Mixed Pine	High Density Pole	3.5	66	81-110	
37	42210 - Natural Red Pine	High Density Log	25.9	67	81-110	
39	42210 - Natural Red Pine	High Density Log	2.5	66		
41	42210 - Natural Red Pine	Low Density Pole	11.3	63	1-50	
43	6127 - Lowland Pine	High Density Log	6.5	66	81-110	Small and low quality trees,
45	42220 - Natural Jack Pine	High Density Log	83.8	72	81-110	Stand was set up as the Hough Fire Sale. 7/12/2007: Sale was returned to the State by the purchaser due to poor market conditions. The sale will be re-sold under a new sale number as part of a more comprehensive approach to deal with road issues and certification. TCR date was 7/23/2007.
48	42210 - Natural Red Pine	High Density Pole	3.4	67	1-50	
50	42290 - Natural Mixed Pine	High Density Log	15.8	67	81-110	
51	42210 - Natural Red Pine	High Density Log	2.6	66		Pine island
54	42290 - Natural Mixed Pine	High Density Log	8.5	66	81-110	
55	42220 - Natural Jack Pine	High Density Log	2.5	72		Stand was set up as the Hough Fire Sale. 7/12/2007: Sale was returned to the State by the purchaser due to poor market conditions. The sale will be re-sold under a new sale number as part of a more comprehensive approach to deal with road issues and certification. TCR date was 7/23/2007.
56	42290 - Natural Mixed Pine	Medium Density Log	11.0	79	51-80	Stand was part of the Frozen Paint Sale #34-05. Sale was closed on 4/2/2010.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	42290 - Natural Mixed Pine	High Density Log	1.6	66		
61	42290 - Natural Mixed Pine	High Density Log	2.3	79		There is a lot of water stress in the stand. This stand would not be operable.
62	42220 - Natural Jack Pine	High Density Pole	15.6	66		
63	42210 - Natural Red Pine	Low Density Log	23.7	104	1-50	This stand was thinned in 1978. Stand was part of the 13 Mile Pine Sale #26-05. Sale was complete on 11/21/2011. Check regen in 2015.
65	42210 - Natural Red Pine	High Density Log	1.8	66		
70	42210 - Natural Red Pine	High Density Log	14.1	57		
72	42220 - Natural Jack Pine	High Density Log	33.7	67		
73	42210 - Natural Red Pine	High Density Log	6.2	79		
75	42210 - Natural Red Pine	Low Density Log	27.3	79	1-50	Cut as part of the Frozen Paint Sale #34-05. Residual RP=20', WP=7'. Adequate residual basal area where the red pine occurs. The numbers above are influenced by the fringes. The Frozen Paint is closed. The unit was cut in the winter of 2010. TCR date 4/2/2010.
76	42210 - Natural Red Pine	High Density Log	19.6	53	81-110	
77	42220 - Natural Jack Pine	High Density Log	4.0	67		Access to this stand will difficult and really wet.
78	42210 - Natural Red Pine	Medium Density Pole	78.6	62	1-50	Parts of this stand were cut with 13 Mile Red Pine Sale #41-026-05-01.
79	42290 - Natural Mixed Pine	High Density Pole	5.5	35	1-50	This stand was thinned around 1978. There was a lot of regeneration of all species. Especially white pine. red pine is patchy and some of the trees on the edges are dying due to high water. Parts of the stand was cut as part of the 13 Mile Pine Sale #41-026-05-01. Sale was complete on 11/21/2011.
80	42210 - Natural Red Pine	Medium Density Log	36.9	66	81-110	Stand was cut as part of 13 Mile Pine Sale #26-05. Sale was complete in 2011.
81	42290 - Natural Mixed Pine	High Density Pole	7.7	33	1-50	There are some very wet, lowland pockets within the stand.

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 053  
Year of Entry: 2015



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	42210 - Natural Red Pine	High Density Log	10.8	65	81-110	There is a lot of water on fringes that are lower. A lot of water tress and a lot of dead trees on the edges. Stand was cut as part of the 13 Mile Pine Sale #41-026-05-01. Sale was complete on 11/21/2011.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	50 - Water	3.7	No	Unspecified	West Branch Manistique River
3	6220 - Alder/willow	3.0	No	Unspecified	
4	50 - Water	2.5	No	Unspecified	Tucker Lake
5	3302 - Low Density Conifer Trees	114.6	Natural Regen	Jack Pine	Regeneration count results: 532 jp t/a.
7	622 - Lowland Shrub	5.6	No	Unspecified	
8	6239 - Mixed Emergent Wetland	1.9	Unspecified	Unspecified	
10	6239 - Mixed Emergent Wetland	2.5	No	Unspecified	
11	6239 - Mixed Emergent Wetland	16.2	Unspecified	Unspecified	
18	6239 - Mixed Emergent Wetland	1.1	No	Unspecified	
19	6239 - Mixed Emergent Wetland	3.4	No	Unspecified	
24	6239 - Mixed Emergent Wetland	2.6	Unspecified	Unspecified	
27	623 - Emergent Wetland	1.8	No	Unspecified	
30	3303 - Mixed Low Density Trees	16.9	No	Unspecified	
33	6229 - Mixed lowland shrub	1.3	No	Unspecified	
34	6239 - Mixed Emergent Wetland	115.6	No	Unspecified	Small creek running through the stand
36	6229 - Mixed lowland shrub	5.2	No	Unspecified	
38	6239 - Mixed Emergent Wetland	3.2	No	Unspecified	
40	6239 - Mixed Emergent Wetland	2.5	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
42	6239 - Mixed Emergent Wetland	9.6	No	Unspecified	
44	6239 - Mixed Emergent Wetland	8.3	No	Unspecified	
46	6229 - Mixed lowland shrub	4.1	No	Unspecified	
47	50 - Water	9.9	No	Unspecified	
49	6239 - Mixed Emergent Wetland	775.7	No	Unspecified	
52	6239 - Mixed Emergent Wetland	3.0	No	Unspecified	
53	6229 - Mixed lowland shrub	1.2	No	Unspecified	
58	6239 - Mixed Emergent Wetland	10.1	No	Unspecified	
59	3302 - Low Density Conifer Trees	48.8	Natural Regen	Red Pine	Stand swapped from Forested to Non-Forested.
60	6229 - Mixed lowland shrub	3.2	No	Unspecified	scattered standing d4ad pretty open
64	623 - Emergent Wetland	4.0	No	Unspecified	
66	3303 - Mixed Low Density Trees	9.5	No	Unspecified	
67	50 - Water	4.7	No	Unspecified	
68	6239 - Mixed Emergent Wetland	9.7	No	Unspecified	
69	6239 - Mixed Emergent Wetland	1.5	No	Unspecified	
71	6239 - Mixed Emergent Wetland	2.6	No	Unspecified	
74	6239 - Mixed Emergent Wetland	3.5	No	Unspecified	
82	50 - Water	3.9	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
84	6239 - Mixed Emergent Wetland	16.4	No	Unspecified	