



# Compartment Review Presentation

## Shingleton Forest Management Unit

Compartment 154

Entry Year 2015

Acreage: 2,327

County Schoolcraft

Management Area: Seney Manistique Swamp

**Revision Date:** 07/23/2013

**Stand Examiner:** Rick James Hill

**Legal Description:**

T46N R15W Sections 4-9, 16-18

**Identified Planning Goals:**

Vegetative management in the Seney Manistique Swamp MA will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character, including rich conifer swamp, patterned fen and dry mesic northern forest ERAs and deer wintering area SCAs; and provide for forest based recreational uses.

**Soil and topography:**

Autrain Loamy Sand, Seney Complex. Topography is flat with areas of low that will hold water for most of the year.

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

The compartment has broken ownership within the boundaries. The majority of private land is owned by the Forest Land Group. Their lands consist mainly of clearcuts or hardwoods with low basal area.

**Unique Natural Features:**

Seney Fire occurred in this compartment

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

This compartment is within the Walsh Fen and the Driggs Basin LTA. The Walsh Fen is found in the NW1/4 of section 5, all but the SE1/4 of section 6 and the west part of section 7. The remainder of the compartment is in the Driggs Basin LTA.

**Watershed and Fisheries Considerations:**

No comments.

**Wildlife Habitat Considerations:**

This compartment lies north of the Seney Stretch in the Seney Sand Lake Plain sub-subsection. The upland forest in 1850 was dominated by hemlock, white birch, beech white pine, and red maple. Aspen and jack pine were also present. Lowlands contained spruce, jack pine and tamarack.

The present forests display a substantial increase in jack pine compared to the 1850 forest conditions. However, there remains a strong component of each tree species that was found 150 years ago.

Wildlife habitat objectives include maintaining forested travel corridors, enhancing the hemlock and yellow birch components, and providing age and structural diversity across both deciduous and coniferous forest stands.

Wildlife species of special interest potentially utilizing this compartment include moose, spruce grouse, and black-backed woodpeckers.

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

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subgroups below the glacial drift. The Black River is used for stone/dolomite in the UP. Gravel pits are not located in the area and potential appears to be limited. There is no commercial oil and gas production in the UP.

**Vehicle Access:**

All access is from the Walsh Grade from M-28. Accessing stands is fair through the compartment from the Walsh Grade.

**Survey Needs:**

There are no known land survey needs at this time.

**Recreational Facilities and Opportunities:**

There are no developed recreation facilities within this compartment.

**Fire Protection:**

The timber types are mainly hardwood and lowland conifers reducing the chances of any large wildland fire occurrences.

**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**

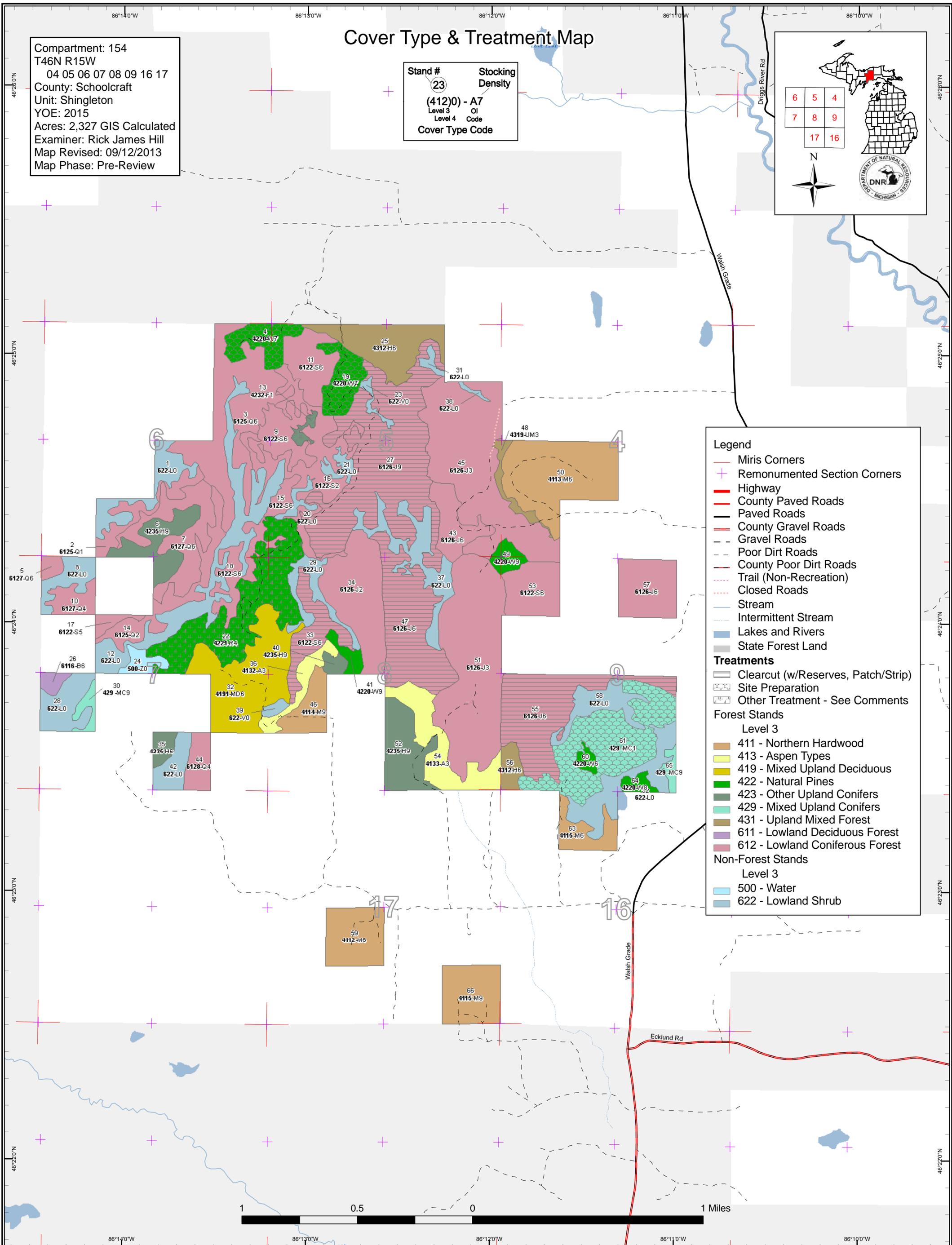
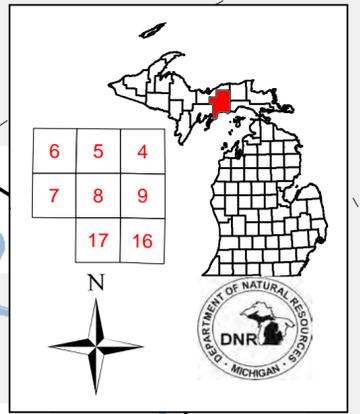
**The following information is displayed, where pertinent, on the attached compartment maps:**

- 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: 154  
 T46N R15W  
 04 05 06 07 08 09 16 17  
 County: Schoolcraft  
 Unit: Shingleton  
 YOE: 2015  
 Acres: 2,327 GIS Calculated  
 Examiner: Rick James Hill  
 Map Revised: 09/12/2013  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Site Preparation
- Other Treatment - See Comments

**Forest Stands**

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

Level 3

- 500 - Water
- 622 - Lowland Shrub

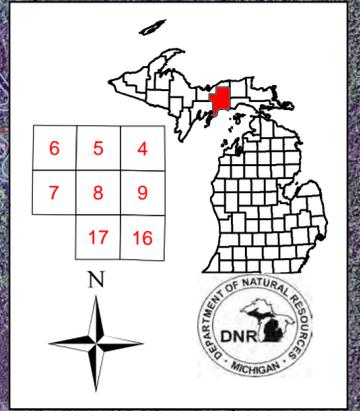


86°14'0"W 86°13'0"W 86°12'0"W 86°11'0"W 86°10'0"W

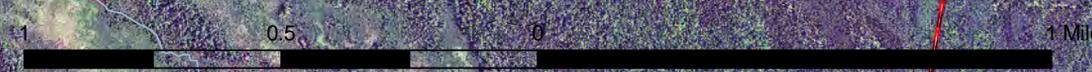
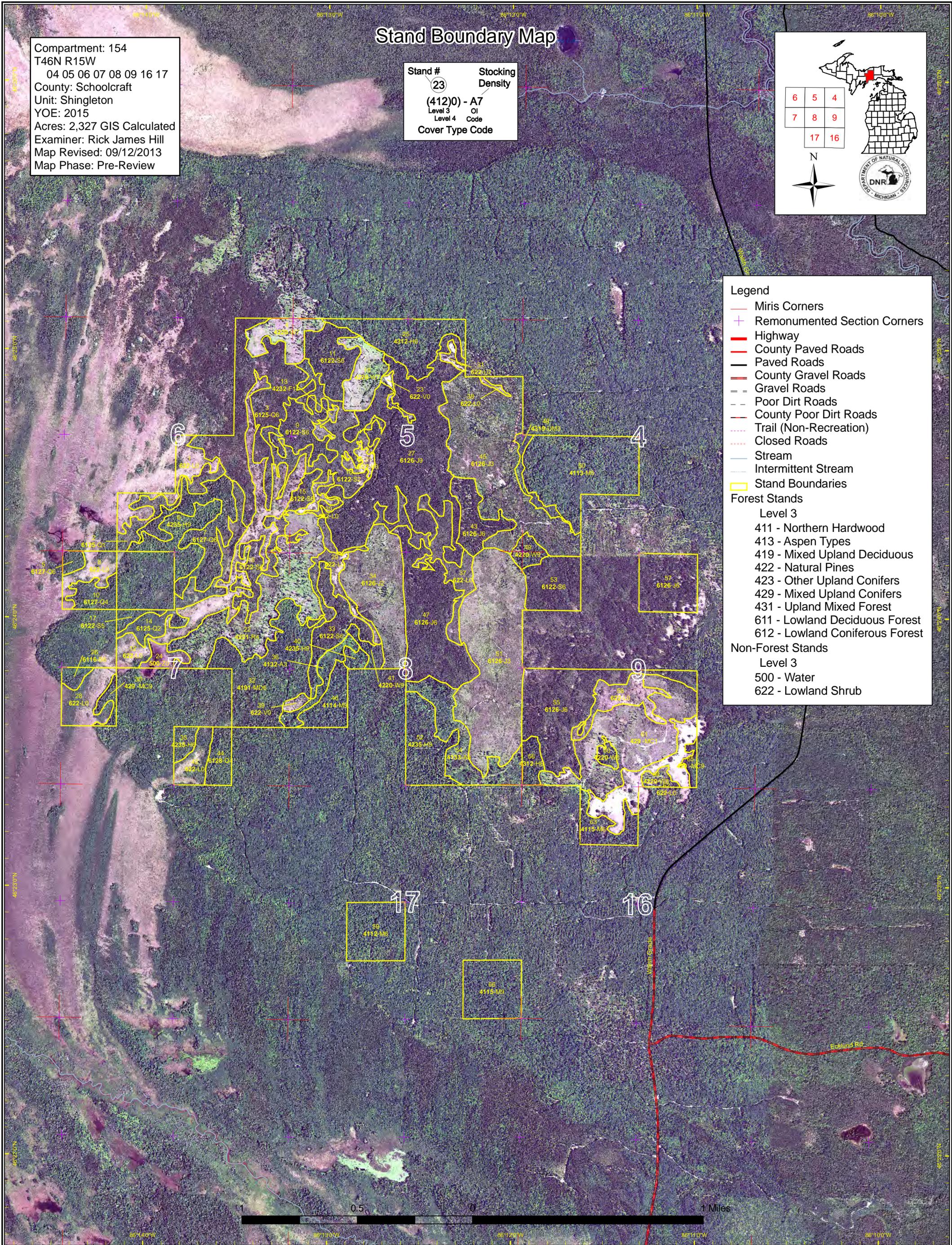
# Stand Boundary Map

Compartment: 154  
 T46N R15W  
 04 05 06 07 08 09 16 17  
 County: Schoolcraft  
 Unit: Shingleton  
 YOE: 2015  
 Acres: 2,327 GIS Calculated  
 Examiner: Rick James Hill  
 Map Revised: 09/12/2013  
 Map Phase: Pre-Review

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



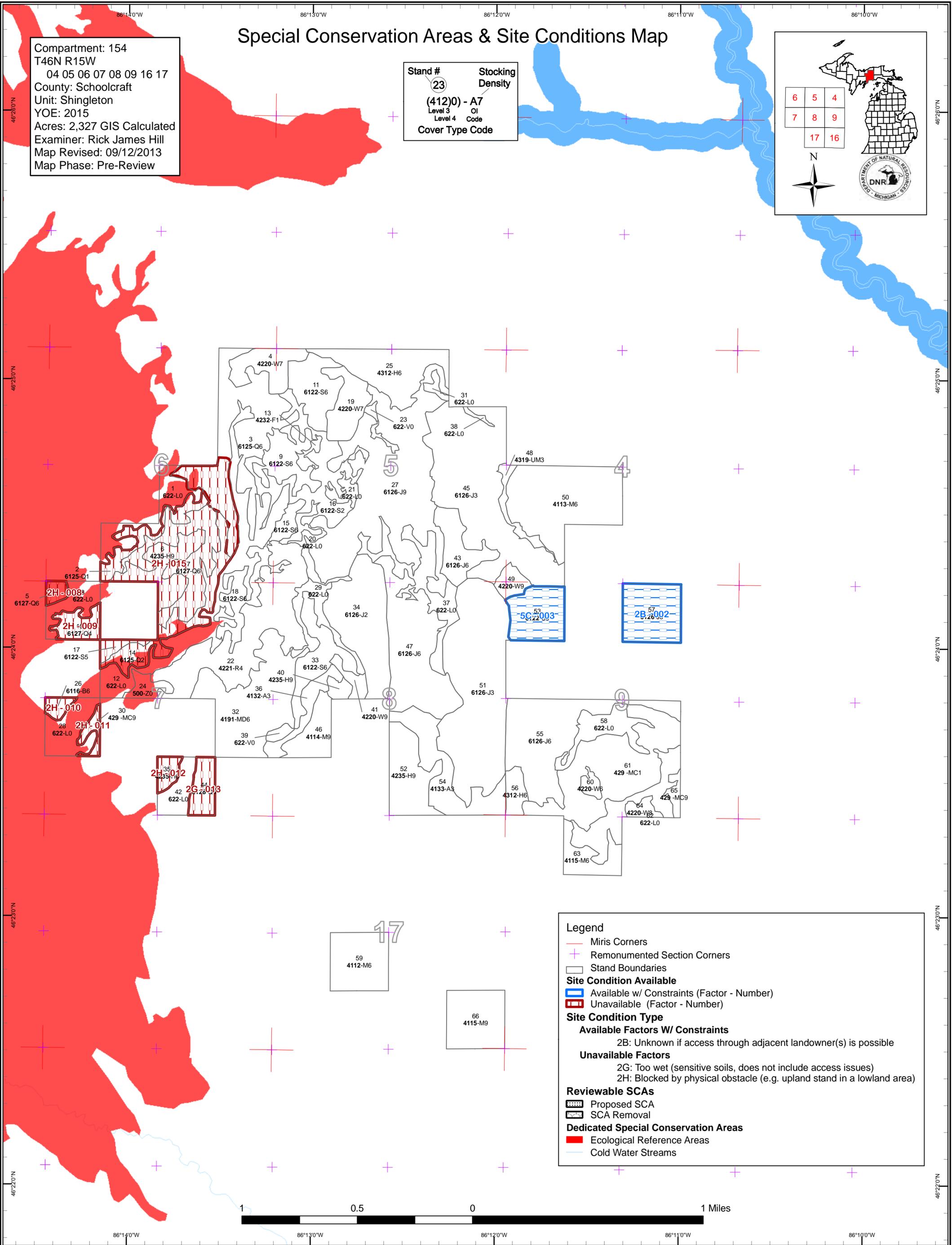
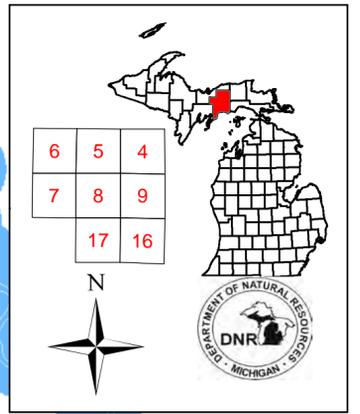
- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Stream
  - Intermittent Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 429 - Mixed Upland Conifers
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 500 - Water
  - 622 - Lowland Shrub



# Special Conservation Areas & Site Conditions Map

Compartment: 154  
 T46N R15W  
 04 05 06 07 08 09 16 17  
 County: Schoolcraft  
 Unit: Shingleton  
 YOE: 2015  
 Acres: 2,327 GIS Calculated  
 Examiner: Rick James Hill  
 Map Revised: 09/12/2013  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Site Condition Available**
- ▭ Available w/ Constraints (Factor - Number)
- ▭ Unavailable (Factor - Number)
- Site Condition Type**
- Available Factors W/ Constraints**
- 2B: Unknown if access through adjacent landowner(s) is possible
- Unavailable Factors**
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Reviewable SCAs**
- ▭ Proposed SCA
- ▭ SCA Removal
- Dedicated Special Conservation Areas**
- █ Ecological Reference Areas
- Cold Water Streams

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
Aspen	0	61	0	0	0	0	0	0	0	0	0	0	0	0	61
Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Hemlock	0	0	0	0	0	13	0	0	130	0	0	0	0	0	143
Jack Pine	0	210	140	0	0	26	0	0	381	0	0	0	0	0	758
Lowland Conifers	0	0	0	150	0	16	0	0	69	0	0	0	0	0	234
Lowland Shrub	295	0	0	0	0	0	0	0	0	0	0	0	0	0	295
Lowland Spruce/Fir	0	0	0	153	0	0	0	6	65	0	0	0	0	0	223
Mixed Upland Deciduous	0	0	0	86	0	0	0	0	0	0	0	0	0	0	86
Northern Hardwood	0	0	0	0	0	0	90	63	61	0	0	0	0	0	214
Paper Birch	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6
Red Pine	0	0	0	0	0	0	0	96	0	0	0	0	0	0	96
Upland Conifers	93	0	0	0	0	0	0	0	12	0	0	0	0	0	105
Upland Mixed Forest	0	0	9	0	0	0	0	0	0	0	0	0	0	0	9
Upland Spruce/Fir	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	0	0	7	0	71	0	0	0	0	0	78
<b>Total</b>	<b>408</b>	<b>272</b>	<b>149</b>	<b>388</b>	<b>0</b>	<b>55</b>	<b>97</b>	<b>164</b>	<b>793</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2327</b>



## Report 2 – Proposed Treatment Summaries

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

**Compartment 154**  
**Total Compartment Acres: 2,327**

### Acres by Treatment Type

Commercial Harvest - 402	Tree Planting - 0	Other - 243
Habitat Cut - 0	Opening Maintenance - 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>
<b>Lowland Coniferous Forest</b>	371	0	0	0	0	0	371
<b>Northern Hardwood</b>	0	0	0	0	0	31	31
<b>Total</b>	371	0	0	0	0	31	402



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	41154027-Cut	175.3	6126 - Lowland Jack Pine	High Density Log	81		Harvest	Clearcut with Reserves	6126 - Lowland Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be cut to seed tree levels to allow for pine regeneration. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.</p> <p><u>Specs:</u></p> <p><u>Other</u> Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the north</p> <p><u>Comments:</u></p> <p><u>Next</u> Any post-harvest treatments needed to regenerate jack pine and black spruce should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.</p> <p><u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2014</p>										
33	41154033-Cut	30.6	6122 - Black Spruce	High Density Pole	85		Harvest	Clearcut with Reserves	6126 - Lowland Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be marked to cut to allow for operations in areas with heavy concentrations. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.</p> <p><u>Specs:</u></p> <p><u>Other</u> Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the south.</p> <p><u>Comments:</u></p> <p><u>Next</u> Any post-harvest treatments needed to regenerate jack pine should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.</p> <p><u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2014</p>										
46	41154046-Cut	19.0	4114 - Beech, Hemlock	High Density Log	70	51-80	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
<p><u>Prescription</u> This is a hardwood, hemlock stand with a lot of beech in it. The beech has scale and it's only a matter of time before the beech starts to die. To prevent anymore volume loss this stand should be salvaged as soon as possible. Work will be done in the spring of 2013 under a chapter 7 change to inventory. (Chapter 7 was approved on 4/25/13)</p> <p><u>Specs:</u></p> <p><u>Other</u> Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest.</p> <p><u>Comments:</u></p> <p><u>Next</u> If beech brush is impeding regeneration in the area it should be treated with herbicide or be controlled though some other means wildlife wishes this area to be planted with any one of or combination of BBD resistant beech, oak.</p> <p><u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> 05/28/2013</p>										
47	41154047-Cut	82.9	6126 - Lowland Jack Pine	High Density Pole	88		Harvest	Clearcut with Reserves	6126 - Lowland Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be marked to cut to allow for operations in areas with heavy concentrations. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.</p> <p><u>Specs:</u></p> <p><u>Other</u> Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the south.</p> <p><u>Comments:</u></p> <p><u>Next</u> Any post-harvest treatments needed to regenerate jack pine should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.</p> <p><u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2014</p>										

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
55 41154055-Cut	82.4	6126 - Lowland Jack Pine	High Density Pole	87		Harvest	Clearcut with Reserves	6125 - Lowland Black Spruce, Jack Pine	Cmpt. Review Proposal

Prescription Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be marked to cut to allow for operations in areas with heavy concentrations. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.

Other Comments: Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the south.

Next Steps: Any post-harvest treatments needed to regenerate jack pine should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.

Proposed Start Date: 10/01/2014

63 41154063-Cut	11.7	4115 - Y.Birch, Hemlock NH	High Density Pole	88	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
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Prescription This is a hardwood, hemlock stand with a lot of beech in it. The beech has scale and it's only a matter of time before the beech starts to die. To prevent anymore volume loss this stand should be salvaged as soon as possible. Work will be done in the spring of 2013 under a chapter 7 change to inventory. (Chapter 7 was approved on 4/25/13)

Other Comments: Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest.

Next Steps: If beech brush is impeding regeneration in the area it should be treated with herbicide or be controlled though some other means wildlife wishes this area to be planted with any one of or combination of BBD resistant beech, oak.

Proposed Start Date: 04/04/2013

4 41154004-Prep	24.5	42200 - Natural White Pine	Low Density Log	88	1-50	Site Prep	Other-Specifiy	6126 - Lowland Jack Pine	Cmpt. Review Proposal
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Prescription This stand is under FTP # 41-1241 for Jack Pine Scarification. Regeneration check is scheduled for 2014. If the check fails alternatives will need to be explored with the TMS.

Other Comments:

Next Steps:

Proposed Start Date: 04/15/2013

19 41154019-Prep	25.6	42200 - Natural White Pine	Low Density Log	88		Site Prep	Other-Specifiy	6126 - Lowland Jack Pine	Cmpt. Review Proposal
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Prescription This stand is under FTP # 41-1241 for Jack Pine Scarification. Regeneration check is scheduled for 2014. If the check fails alternatives will need to be explored with the TMS.

Other Comments:

Next Steps:

Proposed Start Date: 04/15/2013



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
61 41154061- Prep	93.2	429 - Mixed Upland Conifers	Low Density Sapling	3		Site Prep	Other-Specifiy	6126 - Lowland Jack Pine	Cmpt. Review Proposal

Prescription This stand is under FTP # 41-1244 for Jack Pine Scarification only about 8 acres where done. Regeneration check is scheduled for 2014. If the check fails alternatives will need to be explored with the TMS.

Other Comments:

Next Steps:

Proposed Start Date: 04/15/2013

13 41154013- Other	4.2	42320 - Upland Spruce	Low Density Sapling	3		Other	Unspecified	6125 - Lowland Black Spruce, Jack Pine	Cmpt. Review Proposal
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Prescription This stand is under FTP # 41-1241 for Jack Pine Scarification. Regeneration check is scheduled for 2014. If the check fails alternatives will need to be explored with the TMS.

Other Comments:

Next Steps:

Proposed Start Date: 04/15/2013

22 41154022- Other	95.6	42210 - Natural Red Pine	Low Density Pole	70	1-50	Other	Unspecified	612 - Lowland Coniferous Forest	Cmpt. Review Proposal
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Prescription This stand is under FTP # 41-1271 for Jack Pine Scarification. Regeneration check is scheduled for 2014. If the check fails alternatives will need to be explored with the TMS.

Other Comments:

Next Steps:

Proposed Start Date: 04/15/2013

**Total Treatment Acreage Proposed: 645.0**



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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  
Rick James Hill : Examiner

Compartment 154  
Year of Entry 2015

### Dominant Site Conditions

	No	2H	2G
Aspen	61		
Hemlock	105	39	
Jack Pine	417		
Lowland Conifers	678	150	16
Lowland Spruce/Fir	191	6	
Mixed Upland Deciduous	86		
Northern Hardwood	214		
Paper Birch		6	
Upland Conifers	5	6	
Upland Mixed Forest	9		
White Pine	28		
Total Forested Acres	1,793	207	16
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
002	Available	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	40	5C: Delay treatment for age/size class diversity or exceptional site quality	2E: Road needed	2I: Survey needed	
<b>Comments:</b>							
003	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	34				
<b>Comments:</b>							

**Report 5 – Site Conditions**

Shingleton Mgt. Unit  
Rick James Hill : Examiner

Compartment 154  
Year of Entry 2015

008	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2E: Road needed	
<b>Comments:</b>					
009	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	2E: Road needed	
<b>Comments:</b>					
010	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	2E: Road needed	
<b>Comments:</b>					
011	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	2E: Road needed	
<b>Comments:</b>					
012	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	2E: Road needed	
<b>Comments:</b>					
013	Not Available	2G: Too wet (sensitive soils, does not include access issues)	16		
<b>Comments:</b>					

## Report 5 – Site Conditions

Shingleton Mgt. Unit  
Rick James Hill : Examiner

Compartment 154  
Year of Entry 2015

015	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	167	2E: Road needed	No Limiting Factor
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Comments:



### 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

Conservation Area	Type	Description
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Shingleton Mgt. Unit		Report 8 – Forested Stands			Compartment: 154 Year of Entry: 2015	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
2	6125 - Lowland Black Spruce, Jack Pine	Low Density Sapling	20.1	37			
3	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	94.6	37		Mix of spruce and jack pine that is regenerating after the Walsh ditch of 1976.	
4	42200 - Natural White Pine	Low Density Log	24.5	88	1-50	This stand could be classified as forested or non-forested. It was cut 3 years ago and is currently under FTP a regen check is planned for 2014.	
5	6127 - Lowland Pine	High Density Pole	5.3	88	81-110		
6	42350 - Upland Hemlock	High Density Log	30.7	88		Island in the marsh according to previous inventory this is a virgin hemlock stand. The stand is within the Walsh ditch fire area so it may have burned in areas in 1976 most shows little negative effects.	
7	6127 - Lowland Pine	High Density Pole	48.6	88	51-80	White pine stand with cedar in the understory.	
9	6122 - Black Spruce	High Density Pole	27.2	37		Low SI spruce with some jack pine may be harvestable but not for a while. There is a mix of ages in this stand but the Walsh ditch fire of 1976 impacted this stand so that is the dominant age.	
10	6127 - Lowland Pine	Low Density Pole	14.7	88		Stand burned in 1976 but most of the stand survived.	
11	6122 - Black Spruce	High Density Pole	31.9	37		This is a small middle aged spruce stand most likely it will be cut in 40-50 years at least a portion of this stand resulted from the Walsh Ditch fire of 1976. There is a mix of ages but the fire regenerated age cohort is dominant.	
13	42320 - Upland Spruce	Low Density Sapling	4.2	3		Was cut as an optional unit in Walsh softwood sale in winter of 2009 lots of small sapling spruce left as residual which is keeping the stand coded as forested. Needs a regeneration check in 2014 there is no regeneration apparent yet.	
14	6125 - Lowland Black Spruce, Jack Pine	Medium Density	35.0	36		A mix of lowland species Burned in 1976 some open areas are mixed in as well.	
15	6122 - Black Spruce	High Density Pole	8.2	36		Better then surrounding stands cut in 30-40 years.	
16	6122 - Black Spruce	Medium Density	60.0	37		Bogy Spruce with low SI May or may not be a productive site mix of diameter and ages.	
17	6122 - Black Spruce	Medium Density Pole	5.8	70		Low site index	
18	6122 - Black Spruce	High Density Pole	25.2	37			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	42200 - Natural White Pine	Low Density Log	25.6	88		This stand could be classified as forested or non-forested. It was cut 3 years ago and is currently under FTP a regen check is planned for 2014.
22	42210 - Natural Red Pine	Low Density Pole	95.6	70	1-50	Cut in Studebaker softwood sale in 2009 currently on FTP regen check to be done in 2014.
25	4312 - Hemlock, Mixed Deciduous	High Density Pole	49.6	85	81-110	
26	6116 - Lowland Birch	High Density Pole	5.7	88		This is a nice birch stand that must not have burned, its inaccessible and is not able to be harvested.
27	6126 - Lowland Jack Pine	High Density Log	175.3	81		This stand was held last entry period, it's time to cut it now before the jack pine starts to fall out.
30	429 - Mixed Upland Conifers	High Density Log	6.5	88	51-80	Island in marsh burned in 1976 overstory is older approximately 88 years old
32	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	86.1	35	1-50	This stand was cut quite hard at some point.
33	6122 - Black Spruce	High Density Pole	30.6	85		Time to harvest this stand the Jack pine is falling out and the spruce is mature.
34	6126 - Lowland Jack Pine	Medium Density	69.3	15		Cut in the summer there was no scarification after the harvest regeneration is not spectacular but is acceptable.
35	42350 - Upland Hemlock	High Density Pole	7.9	50	81-110	Island in the marsh was most likely thicker at some point in the past.
36	4132 - Aspen, Jack Pine	High Density Sapling	15.5	14		Coming back well to a mix of aspen, jack pine and red maple.
40	42350 - Upland Hemlock	High Density Log	5.2	53	111-140	
41	42200 - Natural White Pine	High Density Log	7.3	63	81-110	Cut at some point in the past hold till understory becomes pole sized.
43	6126 - Lowland Jack Pine	High Density Pole	26.3	50		This stand is approaching maturity it could hold for a decade or be cut now
44	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	15.9	50		Poor mix of lowland species may have been impacted by the Walsh ditch fire.
45	6126 - Lowland Jack Pine	High Density Sapling	140.1	20		Cut in 1993 looks good.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	4114 - Beech, Hemlock	High Density Log	22.2	70	51-80	Cut last entry period, beech needs to be salvaged now.
47	6126 - Lowland Jack Pine	High Density Pole	82.9	88		This stand should be cut.
48	4319 - Mixed Upland Forest	High Density Sapling	8.6	21		Cut in 1992 stand looks good.
49	42200 - Natural White Pine	High Density Log	9.5	88	1-50	Cut 1992 with other stands in area, white pine with understory form that harvest.
50	4113 - R.Maple, Conifer	High Density Pole	89.9	65	81-110	Good looking hardwood stand heavy understory can wait for ten years before next harvest. No issues with beech in the stand it's a small component here.
51	6126 - Lowland Jack Pine	High Density Sapling	141.1	13		Fully stocked Jack pine stand.
52	42350 - Upland Hemlock	High Density Log	39.8	88	81-110	Hemlock stand is growing well much hemlock in the understory; Hardwood in the stand is still quite small.
53	6122 - Black Spruce	High Density Pole	33.9	87		This stand is approaching maturity it could hold for a decade or be cut now
54	4133 - Aspen, Mixed Pine	High Density Sapling	45.9	12		Cut in 2001 looks good.
55	6126 - Lowland Jack Pine	High Density Pole	82.4	87		
56	4312 - Hemlock, Mixed Deciduous	High Density Pole	10.3	88		
57	6126 - Lowland Jack Pine	High Density Pole	40.4	87		
59	4112 - Maple, Beech, Cherry Association	High Density Pole	40.4	88	51-80	Cut ten years ago, not much beech in stand.
60	42200 - Natural White Pine	High Density Pole	4.9	88	111-140	This stand is growing well it could be thinned but it is a small stand and was most likely left as a retention island.
61	429 - Mixed Upland Conifers	Low Density Sapling	93.2	3		Regen count 2014
63	4115 - Y.Birch, Hemlock NH	High Density Pole	20.7	88	81-110	Cut the beech before it dies.
64	42200 - Natural White Pine	Medium Density Log	6.1	88	1-50	Cut in 2009 looks good the over story could be removed at some point when the understory fills in more.

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 154  
Year of Entry: 2015



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	429 - Mixed Upland Conifers	High Density Log	5.1	88	81-110	This stand is mature but can't be reached to be cut if the opportunity arises it should be harvested.
66	4115 - Y.Birch, Hemlock NH	High Density Log	40.5	75	51-80	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	6221 - Fen	26.0	Unspecified	Unspecified	
8	6221 - Fen	17.5	Unspecified	Unspecified	
12	6221 - Fen	75.8	Unspecified	Unspecified	
20	6221 - Fen	5.3	Unspecified	Unspecified	
21	6221 - Fen	6.6	Unspecified	Unspecified	
23	6225 - Bog	3.7	Unspecified	Unspecified	
24	50 - Water	9.1	Unspecified	Unspecified	
28	6221 - Fen	25.9	Unspecified	Unspecified	
29	6221 - Fen	17.7	Unspecified	Unspecified	
31	6221 - Fen	3.4	Unspecified	Unspecified	
37	6221 - Fen	38.2	Unspecified	Unspecified	
38	6221 - Fen	1.5	Unspecified	Unspecified	
39	6225 - Bog	3.5	Unspecified	Unspecified	
42	6220 - Alder/willow	16.1	Unspecified	Unspecified	
58	6221 - Fen	23.6	Unspecified	Unspecified	
62	6221 - Fen	36.8	Unspecified	Unspecified	