



# Compartment Review Presentation

## Shingleton Forest Management Unit

Compartment 161

Entry Year 2016

Acreage: 2,589

County Schoolcraft

Management Area: Seney Manistique Swamp

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**Revision Date:** 05/02/2014

**Stand Examiner:** Mario Molin

**Legal Description:**

T46N R16W Sections 4, 5, 8-10, 15, 16

**Identified Planning Goals:**

The main goal in this compartment is to conduct multiple resource management for current and future generations.

**Soil and topography:**

The compartment has a fairly equal mix of lowland species to upland species. The northern hardwoods are flat with out much sloping and are on sand of fair fertility. The lowland species have only a one to two foot elevation difference between the marshes making for a high water table on muck and peat soils with low natural fertility.

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

The compartment is State ownership except for 200 acres of private, mainly hunting camps, these should not have an impact on access into State Lands. Surrounding ownership is State, private and Forest Land Group lands.

**Unique Natural Features:**

No Unique Natural Features known.

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

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

This section of the Creighton River is designated as Type II trout water. Protecting the Creighton River to increased sand bedload is a high priority.

**Wildlife Habitat Considerations:**

This compartment is principally a ridge lying between the Creighton River on the east and a large marsh complex on the west. Pre-settlement lowland forests contained black spruce, tamarack, cedar, and black ash. White pine and hemlock were also found in some of the lowlands. The upland areas appear to have consisted of mixed forest containing hemlock, white pine, yellow birch, sugar maple, red maple, and American beech.

Although aspen and jack pine appear to be more prevalent than in the 1850s, the overall tree species composition within this compartment is generally similar to pre-settlement times.

The wildlife habitat goals in this compartment include protecting the riparian corridor of the Creighton River, protecting hemlock, promoting species and structural diversity within and between northern hardwood stands, and maintaining aspen as a component of the landscape.

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

Surface sediments consist of peat and Muck, lacustrine (lake) sand and gravel and minor coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. These rocks are quarried for stone/dolomite. Gravel pits are located to the west, but potential appears to be limited except for the NW/4 of Section 5. There is no commercial oil and gas production in the UP.

**Vehicle Access:**

The Creighton Truck Trail runs NW to SE through the middle of the compartment with two-tracks spurring off the county road. Most of the two-tracks were blocked after past timber sales were completed. The blocked roads are easily gone around by ORV's.

**Survey Needs:**

None known at this time.

**Recreational Facilities and Opportunities:**

None.

**Fire Protection:**

Hardwood species make up the upland areas. The majority of the conifer types remain wet through the year making for low fire potential in the compartment.

**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**

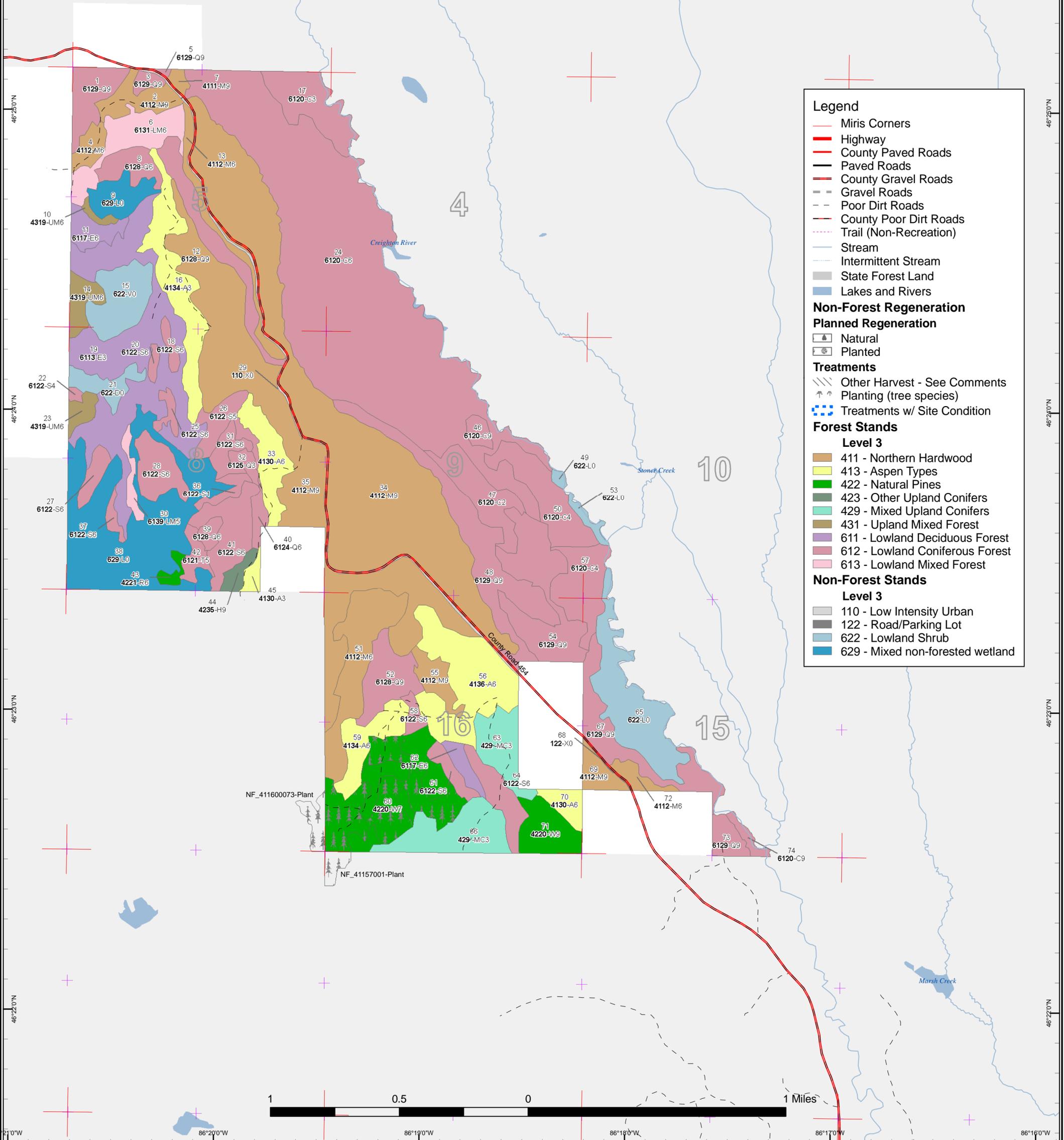
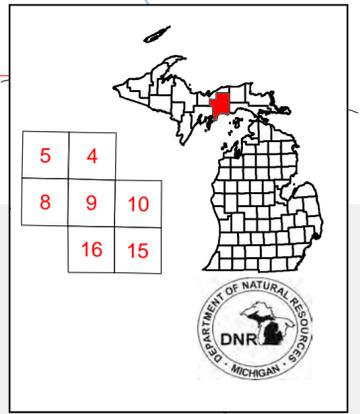
**The following information is displayed, where pertinent, on the attached compartment maps:**

- 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: 161  
 T46N R16W  
 04 05 08 09 10 15 16  
 T47N R16W  
 32  
 County: Schoolcraft  
 Unit: Shingleton  
 Management Area: Seney Manistique Swamp  
 YOE: 2016  
 Acres: 2,589 GIS Calculated  
 Examiner: Mario Molin  
 Map Revised: 08/20/2014  
 Map Phase: Pre-Review

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



**Legend**

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

**Non-Forest Regeneration**

**Planned Regeneration**

- Natural
- Planted

**Treatments**

- Other Harvest - See Comments
- Planting (tree species)
- Treatments w/ Site Condition

**Forest Stands**

**Level 3**

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

**Non-Forest Stands**

**Level 3**

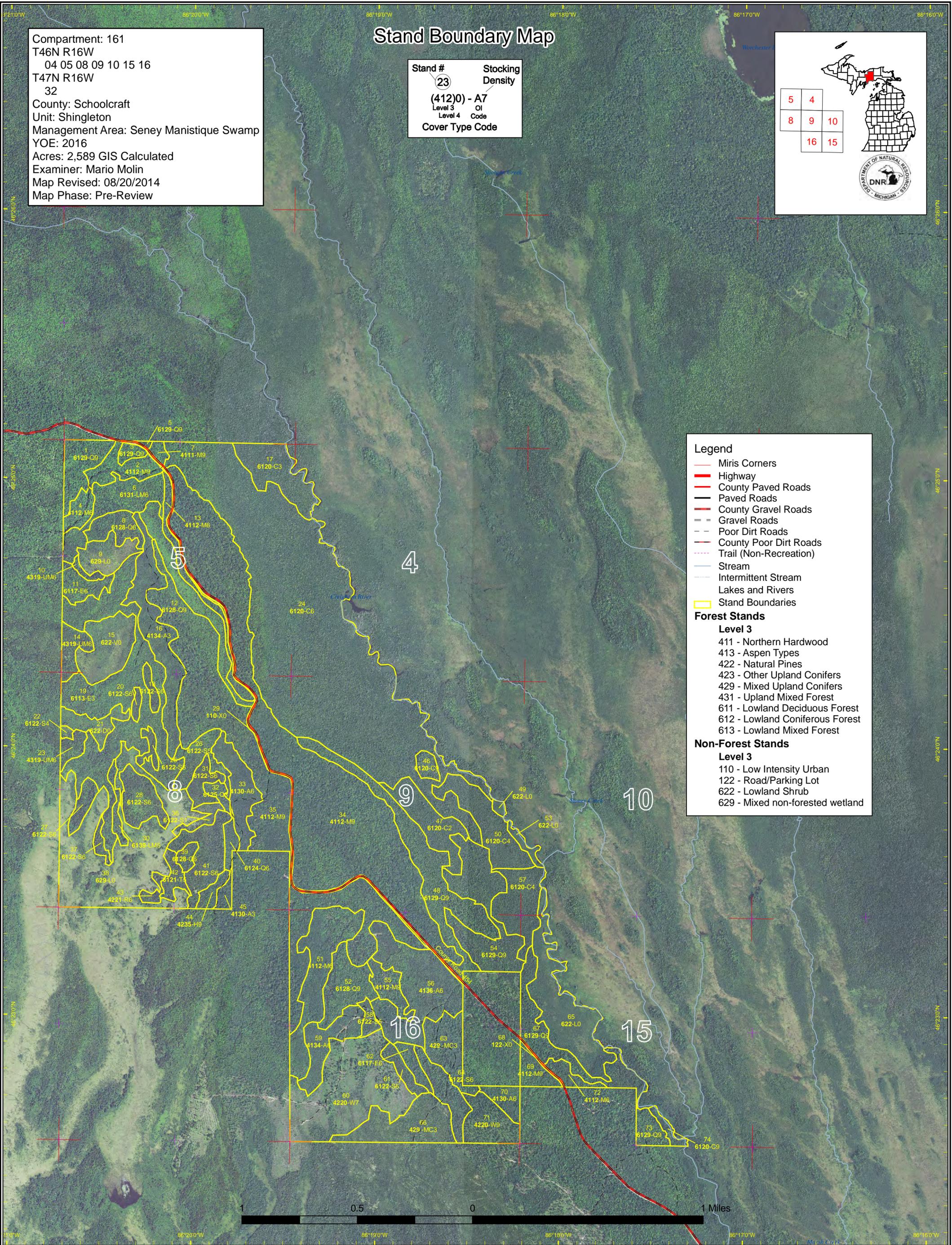
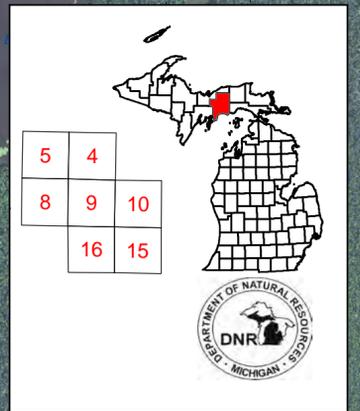
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



# Stand Boundary Map

Compartment: 161  
 T46N R16W  
 04 05 08 09 10 15 16  
 T47N R16W  
 32  
 County: Schoolcraft  
 Unit: Shingleton  
 Management Area: Seney Manistique Swamp  
 YOE: 2016  
 Acres: 2,589 GIS Calculated  
 Examiner: Mario Molin  
 Map Revised: 08/20/2014  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Stream
- Intermittent Stream
- Lakes and Rivers
- Stand Boundaries

**Forest Stands**

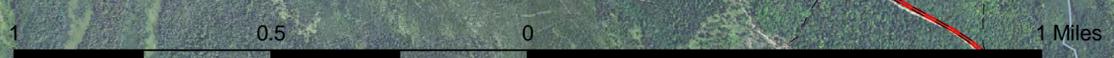
**Level 3**

- 411 - Northern Hardwood
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**Non-Forest Stands**

**Level 3**

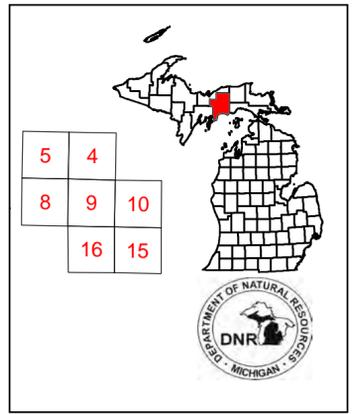
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot
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Compartment: 161  
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 County: Schoolcraft  
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 Acres: 2,589 GIS Calculated  
 Examiner: Mario Molin  
 Map Revised: 08/20/2014  
 Map Phase: Pre-Review

# Special Conservation Areas & Site Conditions Map

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



**Legend**

- Miris Corners
- Stand Boundaries

**Site Condition Available**

- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

**Site Condition Type**

**Available Factors W/ Constraints**

- 4A: No merchantable products (see product standards)
- 5C: Delay treatment for age/size class diversity or exceptional site quality

**Unavailable Factors**

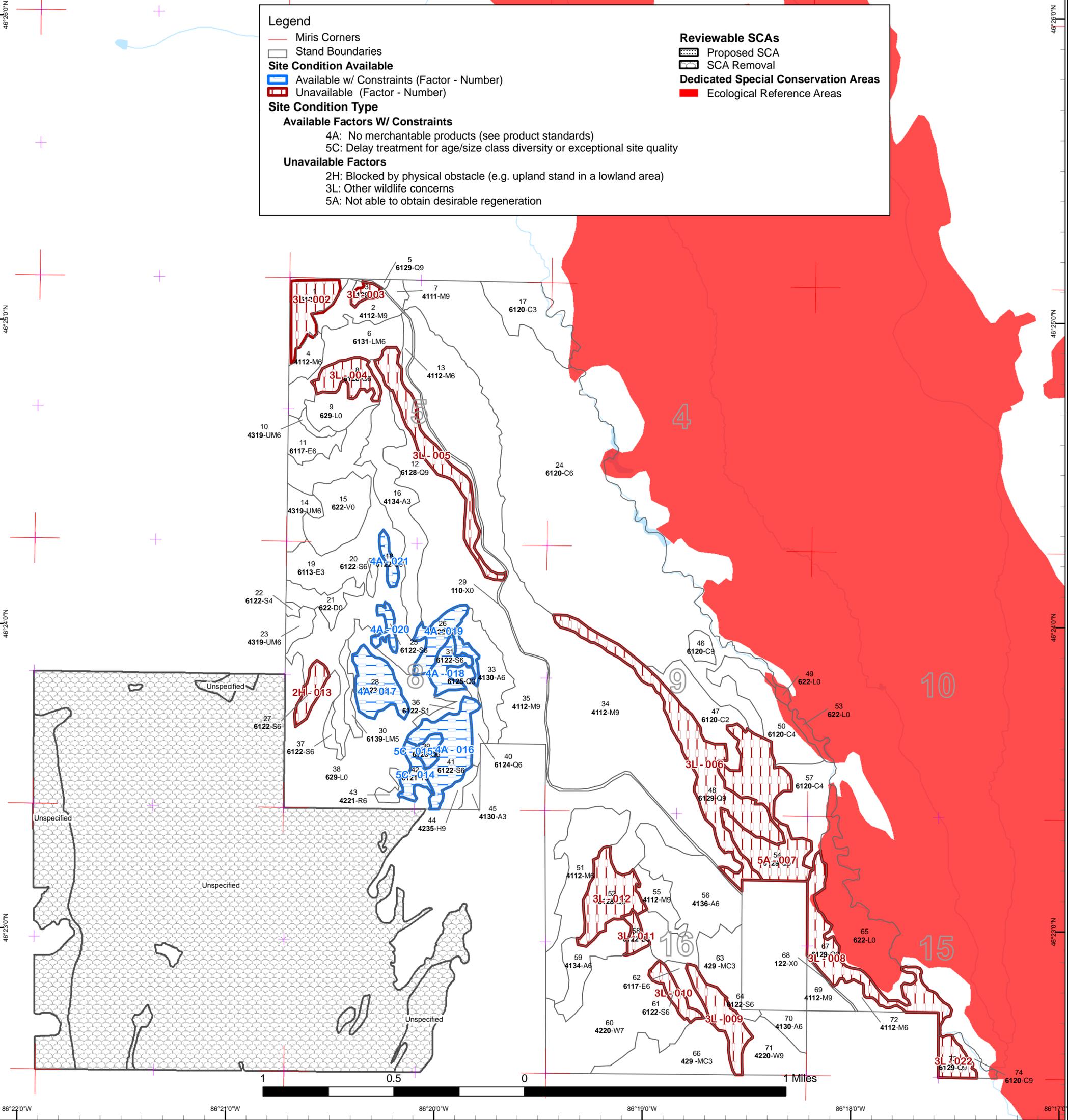
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3L: Other wildlife concerns
- 5A: Not able to obtain desirable regeneration

**Reviewable SCAs**

- Proposed SCA
- SCA Removal

**Dedicated Special Conservation Areas**

- Ecological Reference Areas



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 +	Uneten Age	
Aspen	0	0	110	83	0	0	0	0	0	0	0	0	0	0	193
Bog	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Cedar	0	0	0	0	0	0	67	0	443	0	73	0	0	0	583
Hemlock	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
Lowland Conifers	0	0	12	0	0	0	0	0	293	0	0	0	0	0	304
Lowland Deciduous	0	0	0	0	0	0	8	150	0	0	0	0	0	0	158
Lowland Mixed Forest	0	0	0	0	0	0	35	0	0	0	0	0	0	7	42
Lowland Shrub	223	0	0	0	0	0	0	0	0	0	0	0	0	0	223
Lowland Spruce/Fir	0	0	0	0	0	7	0	4	141	0	0	0	0	0	152
Northern Hardwood	0	0	0	10	54	0	0	0	568	0	0	0	0	0	633
Red Pine	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Tamarack	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	69	0	0	0	0	0	0	0	0	0	0	0	69
Upland Mixed Forest	0	0	0	0	0	0	3	13	0	8	0	0	0	0	23
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	0	0	0	0	0	125	0	0	0	0	0	125
<b>Total</b>	<b>288</b>	<b>0</b>	<b>190</b>	<b>93</b>	<b>54</b>	<b>7</b>	<b>114</b>	<b>167</b>	<b>1581</b>	<b>16</b>	<b>73</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>2589</b>



## Report 2 – Proposed Treatment Summaries

**Shingleton Mgt. Unit**  
**Year of Entry 2016**

**Compartment 161**  
**Total Compartment Acres: 2,589**

### Acres by Treatment Type

Commercial Harvest - 548    Tree Planting - 65    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

		Clear cut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Northern Hardwood	0	0	0	0	0	548	548	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>548</b>	<b>548</b>	



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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2	41161002-Cut	8.2	4112 - Maple, Beech, Cherry Association	High Density Log	85	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
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Prescription Beech salvage currently under contract.

Specs:

Other Comments: Northern Hardwood (without conifer). This harvest will regenerate young deciduous species, creating excellent food availability for snowshoe hare.

Next Steps: Evaluate after harvest to see how much beech regeneration there is, propose followup treatment if necessary. Plant oak in areas that are open enough.

Proposed

Start Date: 10/01/2014

7	41161007-Cut	2.8	4111 - S.Maple, Hard Mast Association	High Density Log	85	51-80	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
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Prescription Beech salvage currently under contract.

Specs:

Other Comments: Northern Hardwood (without conifer). This harvest will regenerate young deciduous species, creating excellent food availability for snowshoe hare.

Next Steps: Evaluate after harvest to see how much beech regeneration there is, propose followup treatment if necessary. Plant oak in areas that are open enough.

Proposed

Start Date: 10/01/2014

13	41161013-Cut	17.3	4112 - Maple, Beech, Cherry Association	High Density Pole	85	1-50	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
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Prescription Currently under contract

Specs:

Other Comments:

Next Steps: Evaluate after harvest to see how much beech regeneration there is, propose treatment if necessary.

Proposed

Start Date: 10/01/2014

34	41161034-Cut	292.8	4112 - Maple, Beech, Cherry Association	High Density Log	85	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
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Prescription Beech salvage, currently under contract.

Specs:

Other Comments: Northern Hardwood (without conifer). This harvest will regenerate young deciduous species, creating excellent food availability for snowshoe hare.

Next Steps: Evaluate site after harvest to see how much beech regeneration there is, propose followup treatment if necessary. Plant oak in areas that are open enough.

Proposed

Start Date: 10/01/2014



Standard	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	41161035-Cut	134.4	4112 - Maple, Beech, Cherry Association	High Density Log	85	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
<u>Prescription</u> Beech salvage currently under contract.										
<u>Specs:</u>										
<u>Other Comments:</u> Northern Hardwood (without conifer). This harvest will regenerate young deciduous species, creating excellent food availability for snowshoe hare.										
<u>Next Steps:</u> Evaluate site after harvest to see how much beech regeneration there is, propose followup treatment if necessary. Plant oak in areas that are open enough.										
<u>Proposed Start Date:</u> 10/01/2014										
35	41161035-Cut_small	67.1	4112 - Maple, Beech, Cherry Association	High Density Log	85	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
<u>Prescription</u> Beech salvage currently under contract.										
<u>Specs:</u>										
<u>Other Comments:</u> Northern Hardwood (without conifer). This harvest will regenerate young deciduous species, creating excellent food availability for snowshoe hare.										
<u>Next Steps:</u> Evaluate site after harvest to see how much beech regeneration there is, propose followup treatment if necessary. Plant oak in areas that are open enough.										
<u>Proposed Start Date:</u> 10/01/2014										
55	41161055-Cut	14.1	4112 - Maple, Beech, Cherry Association	High Density Log	85	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
<u>Prescription</u> Beech salvage currently under contract.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Evaluate site after harvest to see how much beech regeneration there is, propose followup treatment is necessary.										
<u>Proposed Start Date:</u> 10/01/2014										
69	41161069-Cut	11.7	4112 - Maple, Beech, Cherry Association	High Density Log	85	51-80	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Cmpt. Review Decision - Incomplete
<u>Prescription</u> Beech salvage currently under contract.										
<u>Specs:</u>										
<u>Other Comments:</u> Northern Hardwood (without conifer). This harvest will regenerate young deciduous species, creating excellent food availability for snowshoe hare.										
<u>Next Steps:</u> Evaluate site after harvest so see how much beech regeneration there is, propose followup treatment if necessary. Plant oak in areas with enough room.										
<u>Proposed Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
60	41161060- Plant	64.7	42200 - Natural White Pine	Low Density Log	85	1-50	Tree Planting	Hand Plant	4212 - Planted Jack Pine	Cmpt. Review Proposal

Prescription Trench and plant to Jack Pine.

Specs:

Other

Comments:

Next Monitor according to work instructions.

Steps:

Proposed

Start Date: 10/01/2015

1	NF_41157001- Plant	5.8	3302 - Low Density Conifer Trees				Tree Planting	Hand Plant	4212 - Planted Jack Pine	Cmpt. Review Proposal
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Prescription Trench and plant with Jack pine

Specs:

Other

Comments:

Next Monitor according to work instructions

Steps:

Proposed

Start Date: Unspecified

73	NF_41160073- Plant	8.6	6229 - Mixed lowland shrub				Tree Planting	Hand Plant	4212 - Planted Jack Pine	Cmpt. Review Proposal
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Prescription Trench and plant to Jack pine

Specs:

Other

Comments:

Next Monitor according to work instruction

Steps:

Proposed

Start Date: Unspecified

**Total Treatment  
Acreage Proposed: 627.4**



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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

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**Total Treatment  
Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment 161

Year of Entry 2016

### Availability for Management

Availability for Management			Dominant Site Conditions						
Total Acres	Acres Available	Acres Not Available		No	5C	5A	4A	3L	2H
193	193		Aspen	193					
583	583		Cedar	583					
7	7		Hemlock	7					
304	22	282	Lowland Conifers	17	5	59		222	
158	158		Lowland Deciduous	158					
42	42		Lowland Mixed Forest	42					
152	109	43	Lowland Spruce/Fir	16			93	34	9
632	632	0	Northern Hardwood	632				0	
4	4		Red Pine	4					
9	9		Tamarack		9				
69	69		Upland Conifers	69					
23	23		Upland Mixed Forest	23					
125	125		White Pine	125					
2,301	1,976	325	Total Forested Acres	1,868	14	59	93	257	9
	86%	14%	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	Not Available	3L: Other wildlife concerns	20				
<b>Comments:</b> Hemlock stand							
003	Not Available	3L: Other wildlife concerns	4				
<b>Comments:</b> Hemlock stand							

## Report 5 – Site Conditions

Shingleton Mgt. Unit

Compartment 161

Mario Molin : Examiner

Year of Entry 2016

004	<b>Not Available</b>	<b>3L: Other wildlife concerns</b>	16	
<b>Comments:</b> Hemlock stand				
005	<b>Not Available</b>	<b>3L: Other wildlife concerns</b>	32	
<b>Comments:</b> Hemlock stand				
006	<b>Not Available</b>	<b>3L: Other wildlife concerns</b>	70	
<b>Comments:</b> Hemlock stand				
007	<b>Not Available</b>	<b>5A: Not able to obtain desirable regeneration</b>	59	
<b>Comments:</b> I believe stand may end up like stands to the east, flooded out with half dead spruce and cedar.				
008	<b>Not Available</b>	<b>3L: Other wildlife concerns</b>	41	
<b>Comments:</b> Hemlock stand				
009	<b>Not Available</b>	<b>3L: Other wildlife concerns</b>	20	
<b>Comments:</b> Maintain for travel coridor.				

Report 5 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment 161

Year of Entry 2016

010	Not Available	3L: Other wildlife concerns	9
<b>Comments:</b> Maintain for travel corridor.			
011	Not Available	3L: Other wildlife concerns	5
<b>Comments:</b> Maintain for travel corridor.			
012	Not Available	3L: Other wildlife concerns	30
<b>Comments:</b> Hemlock stand			
013	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9
<b>Comments:</b> Too small to sell alone, wait till next entry when neighboring stands will be harvested.			
014	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9
<b>Comments:</b> Wait till next entry for adjacent stands to grow.			
015	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5
<b>Comments:</b> Wait for next entry to cut with adjacent stands.			

## Report 5 – Site Conditions

Shingleton Mgt. Unit  
Mario Molin : Examiner

Compartment 161  
Year of Entry 2016

016	<b>Available</b>	<b>4A: No merchantable products (see product standards)</b>	31	
<b>Comments:</b> Delaying harvest untill next entry in the hopes that it will put on some growth, large portions are just merchantable.				
017	<b>Available</b>	<b>4A: No merchantable products (see product standards)</b>	23	
<b>Comments:</b> Delaying harvest untill next entry in the hopes that it will put on some growth, large portions are just merchantable.				
018	<b>Available</b>	<b>4A: No merchantable products (see product standards)</b>	11	
<b>Comments:</b> Delaying harvest untill next entry in the hopes that it will put on some growth, large portions are just merchantable.				
019	<b>Available</b>	<b>4A: No merchantable products (see product standards)</b>	18	
<b>Comments:</b> Delaying harvest untill next entry in the hopes that it will put on some growth, large portions are just merchantable.				
020	<b>Available</b>	<b>4A: No merchantable products (see product standards)</b>	5	
<b>Comments:</b> Delaying harvest untill next entry in the hopes that it will put on some growth, large portions are just merchantable.				

## Report 5 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment 161

Year of Entry 2016

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021	Available	4A: No merchantable products (see product standards)	5
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**Comments:**

Delaying harvest until next entry in the hopes that it will put on some growth, large portions are just merchantable.

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022	Not Available	3L: Other wildlife concerns	11
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**Comments:**

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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>Unspecified</b> <b>Comments</b> Tag alder etc.	Other SCA		<b>SCA Removal</b>	
<b>Unspecified</b> <b>Comments</b> mostly spruce and tamarack in the 80-ish age as well as some Q-types, nothing that would suggest any type of old growth	Potential Old Growth		<b>SCA Removal</b>	



**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
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.

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## Shingleton Mgt. Unit

## Report 8 – Forested Stands

Compartment: 161  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6129 - Mixed Coniferous Lowland Forest	High Density Log	23.5	85	51-80	
2	4112 - Maple, Beech, Cherry Association	High Density Log	18.9	85	81-110	
3	6129 - Mixed Coniferous Lowland Forest	High Density Log	4.7	85	51-80	
4	4112 - Maple, Beech, Cherry Association	High Density Pole	10.1	33	51-80	
5	6129 - Mixed Coniferous Lowland Forest	High Density Log	1.1	85	51-80	
6	6131 - Hemlock, White Pine, Maple, Birch	High Density Pole	35.0	66	1-50	Mix of everything, most just making merchantability, some good hemlock regen in south of stand.
7	4111 - S.Maple, Hard Mast Association	High Density Log	3.8	85	51-80	
8	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	15.9	85	1-50	
10	4319 - Mixed Upland Forest	High Density Pole	3.0	66	81-110	
11	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	13.7	73	51-80	
12	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	32.0	85	51-80	
13	4112 - Maple, Beech, Cherry Association	High Density Pole	17.3	85	1-50	Lots of Hemlock regen. Currently under contract for beech salvage.
14	4319 - Mixed Upland Forest	High Density Pole	12.7	73	51-80	
16	4134 - Aspen, Spruce/Fir	High Density Sapling	51.7	24		
17	6120 - Lowland Cedar	High Density Sapling	35.8	60	1-50	
18	6122 - Black Spruce	High Density Pole	4.8	87	81-110	
19	6113 - Lowland Maple	High Density Sapling	136.5	74	1-50	Mainly submerchantable timber.

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## Shingleton Mgt. Unit

## Report 8 – Forested Stands

Compartment: 161  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6122 - Black Spruce	High Density Pole	2.9	87	81-110	
22	6122 - Black Spruce	Low Density Pole	1.6	80	1-50	This is a spruce bog.
23	4319 - Mixed Upland Forest	High Density Pole	7.5	90	81-110	Small bit of high ground, where edge transitions to spruce bog.
24	6120 - Lowland Cedar	High Density Pole	432.0	85	51-80	Stand varies in size class throughout, black ash is scattered in the stand.
25	6122 - Black Spruce	High Density Pole	5.2	80	51-80	
26	6122 - Black Spruce	Medium Density Pole	18.4	85	51-80	Areas have advanced red maple and paper birch understory. Occasional cedar and white pine.
27	6122 - Black Spruce	High Density Pole	9.0	80	81-110	Very difficult to access.
28	6122 - Black Spruce	High Density Pole	22.5	87	81-110	Stand has a bit of variability, some scatter XL red and white pine as well as some scattered paper birch.
30	6139 - Mixed Lowland Forest	Medium Density Pole	6.6	Uneven Age	81-110	Two canopy layers, conifer upper dominate canopy with a red maple underneth.
31	6122 - Black Spruce	High Density Pole	11.1	85	81-110	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old...) There are some areas that have better/larger diameter spruce. Hold till next entry and clear cut.
32	6125 - Lowland Black Spruce, Jack Pine	High Density Sapling	5.1	24		
33	4130 - Aspen	High Density Pole	27.4	27		
34	4112 - Maple, Beech, Cherry Association	High Density Log	292.8	85	81-110	
35	4112 - Maple, Beech, Cherry Association	High Density Log	201.5	85	81-110	
36	6122 - Black Spruce	Low Density Sapling	6.8	50		This seems to be a transtion zone, there are a handfull of larger jack and white pine in the stand.
37	6122 - Black Spruce	High Density Pole	4.2	77	81-110	Scattered birch and cherry, has a hardwood understory developing.

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## Shingleton Mgt. Unit

## Report 8 – Forested Stands

Compartment: 161  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.0	87	81-110	Consider cutting all spruce and maple.
40	6124 - Lowland Spruce- Fir	High Density Pole	6.5	27	51-80	
41	6122 - Black Spruce	High Density Pole	31.4	87	81-110	
42	6121 - Tamarack	Medium Density Pole	8.8	95	1-50	varies in size from east to west.
43	42210 - Natural Red Pine	High Density Pole	4.3	85	51-80	
44	42350 - Upland Hemlock	High Density Log	6.6	87	81-110	Hemlock is regenerating well, spruce is very low productivity.
45	4130 - Aspen	High Density Sapling	4.8	27		
46	6120 - Lowland Cedar	High Density Log	6.2	80	81-110	
47	6120 - Lowland Cedar	Medium Density	31.6	60	1-50	Mainly submerchantable cedar and spruce app. 20ft tall. Scattered superstory white pine.
48	6129 - Mixed Coniferous Lowland Forest	High Density Log	69.7	80	81-110	Great hemlock regenreation.
50	6120 - Lowland Cedar	Low Density Pole	37.8	103	1-50	Mostly submerchantable cedar with spruce and tammarack in very poor condition, tops are dead ith live branches. Could this be from a high water table??? Small pockets of bigger and healthy trees, look like they may be on slighlyt higher ground.
51	4112 - Maple, Beech, Cherry Association	High Density Pole	54.2	40	51-80	Red maple 40 10 50 Cherry 30 50 20 Aspen 20 0 30
52	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	29.8	80	81-110	Very good hemlock regeneration.
54	6129 - Mixed Coniferous Lowland Forest	High Density Log	59.4	80	51-80	Difficult to type out the stand, varies between spruce and cedar with white pine and hemlock mixed in.
55	4112 - Maple, Beech, Cherry Association	High Density Log	14.1	85	81-110	Under contrctact "beechball"
56	4136 - Aspen, Mixed Conifer	High Density Pole	72.3	39	1-50	

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## Shingleton Mgt. Unit

## Report 8 – Forested Stands

Compartment: 161  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	6120 - Lowland Cedar	Low Density Pole	35.0	103	1-50	
58	6122 - Black Spruce	High Density Pole	5.4	82		
59	4134 - Aspen, Spruce/Fir	High Density Pole	26.1	21		
60	42200 - Natural White Pine	Low Density Log	99.5	85	1-50	Multiple stands now combined into one, was a clearcut with white pine reserved. Stand does not seem to be regenerating as of summer2013. Trench and plant with jack pine.
61	6122 - Black Spruce	High Density Pole	8.9	82	51-80	Scattered XL white pine.
62	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.1	65	51-80	
63	429 - Mixed Upland Conifers	High Density Sapling	27.0	20	1-50	Red and White pine residual overstory. Random mix of everything, stand will eventually sort itself out.
64	6122 - Black Spruce	High Density Pole	19.8	82	51-80	
66	429 - Mixed Upland Conifers	High Density Sapling	41.6	21		Stand could be coded either as jack pine or spruce based on the areas i was in. Stand is a little on the thin sidenot quite fully stocked-matches comments from previous inventory.
67	6129 - Mixed Coniferous Lowland Forest	High Density Log	40.6	85	81-110	
69	4112 - Maple, Beech, Cherry Association	High Density Log	11.7	85	51-80	Cut in 12/13 currently under contract "beechball"
70	4130 - Aspen	High Density Pole	10.5	38	1-50	White pine superstory.
71	42200 - Natural White Pine	High Density Log	25.3	85	51-80	
72	4112 - Maple, Beech, Cherry Association	High Density Pole	8.3	85	51-80	Cut in 12/13 for beech salvage.
73	6129 - Mixed Coniferous Lowland Forest	High Density Log	10.9	80	81-110	Small pocket of hardwood on the southwest corner.
74	6120 - Lowland Cedar	High Density Log	5.0	80	51-80	Sub merchantable ash on northeast edge.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
9	629 - Mixed non-forested wetland	19.2	No	Unspecified	
15	6225 - Bog	34.1	No	Unspecified	
21	6224 - Treed Bog	14.4	No	Unspecified	
29	11 - Low Intensity Urban	14.8	No	Unspecified	
38	629 - Mixed non-forested wetland	134.3	No	Low	Creighton marsh.....and no marsh option..... Potentially classified at some point as some sort of old growth, there is natural regeneration and a many different size classes. Islands are too small to type out as stands and would most likely never be included in a timber sale due to their small size and remoteness.
49	6229 - Mixed lowland shrub	2.0	No	Unspecified	
53	6229 - Mixed lowland shrub	4.6	No	Unspecified	
65	6229 - Mixed lowland shrub	62.8	No	Unspecified	
68	122 - Road/Parking Lot	1.3	No	Unspecified	