



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 3

Entry Year 2015

Acreage: 1,369

County Schoolcraft

Management Area: Fox River Complex

Revision Date: 07/23/2013

Stand Examiner: Rick James Hill

Legal Description:

T45N R13W Sections 3, 10, and 15

Identified Planning Goals:

Vegetative management in the Fox River Complex MA will produce various timber products, maintain or enhance wildlife habitat, protect Special Conservation Areas (SCAs) and High Conservation Value Areas (HCVAs), and provide for forest based recreational uses. The Fox River and the East Branch Fox River and their tributaries are Natural Rivers, and have management plans associated with them.

Soil and topography:

Most of this compartment is low, flat and wet. There are some rolling hills in the southeast part of section 3, and the north edge of the Blue Mountains is on state-owned land in section 15.

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

The Fox River Club owns 160 acres in section 10, and a larger block of land immediately to the east of this compartment. There are privately-owned lands in sections 3 and 15 as well.

Unique Natural Features:

The Fox River flows through this compartment. Dead Creek empties into it near the center of section 10.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The Fox River is designated as a Natural River, with a management plan that specifies buffers for it and all tributaries. The marshland and scattered timber west of the Fox River should be considered for designation as potential old-growth. Access to most of these lands is extremely difficult, and this would tie it in with other state-owned lands to the west that are currently designated as such.

Watershed and Fisheries Considerations:

Fisheries Values

Excellent. This section of the Fox River is classified as designated trout water. The Fox River system attracts anglers from other states, Europe and even Australia! (Blame the number of anglers on Ernest Hemmingway...) Our stream enhancement work ten years ago is now starting to pay off, with somewhat less sand throughout the system, more exposed gravel, and deeper scour holes now present in the river. Dead Creek is designated non-trout water and we do not have information to the type of fishery it provides. Protection from sand erosion should be high priority. Sand entering the system will take years to migrate downstream and out into Lake Michigan. The Manistique River is so inundated with sand now that we should be trying to limit ALL new sources of erosion within this watershed. Eventually, the sand that is already in the river will move on through with help from spring floods.

Wildlife Habitat Considerations:

This compartment lies within the Seney sand lake plain ecological sub-subsection. During pre-settlement times, the upland areas in this compartment supported a mixed deciduous/coniferous forest. The deciduous species of this forest consisted primarily of American Beech and sugar maple, while hemlock and white pine were the dominant upland conifers. Lowland areas supported a variety of habitats including open marsh with low red/white pine ridges, mixed deciduous/coniferous swamps containing red maple, black ash, tamarack, and spruce, and cedar swamps containing large cedar trees. The confluence of the Fox River and Dead Creek lies within this compartment.

Lowland areas within this compartment appear to be similar to pre-settlement species composition. Upland areas show an increase in the aspen component and a corresponding decrease in sugar maple, beech, hemlock, and white pine.

The wildlife habitat management regime consists of providing travel corridors along the Fox River and Dead Creek, maintaining the integrity of the marsh complex, promoting closed canopy lowland conifer stands, and providing age and structural diversity within the aspen and northern hardwood communities.

Wildlife species of special interest potentially utilizing this compartment include yellow rail, moose, and gray wolf.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is up to 100 feet of glacial drift thickness or insufficient data to determine the thickness. The Ordovician Big Hill Dolomite and Stonington Formation subcrop below the glacial drift. The Big Hill could be used for stone/dolomite. Gravel pits are not found in the area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

Access from the Old Seney Road (a county road) represents the only viable option for most of this compartment. The area north of the Blue Mountains can be reached from Highway M-77 by crossing the private lands in section 15.

Survey Needs:

There are no known land survey needs at this time.

Recreational Facilities and Opportunities:

Snowmobile Trail #43 traverses the northern portions of the compartment, on the Old Seney Road. This is the only developed facility within this compartment. If winter logging is required, do not plow the road to bare ground and keep the trail/road clear of logging slash and debris.

Fire Protection:

Access to much of the compartment is difficult. Although the ridges of high ground may be prone to lightning strikes, the fuel types there limit the probability of a rapidly-spreading fire unless prolonged drought conditions prevail.

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: 003
 T45N R13W
 03 10 15
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2015
 Acres: 1,369 GIS Calculated
 Examiner: Rick James Hill
 Map Revised: 09/12/2013
 Map Phase: Pre-Review

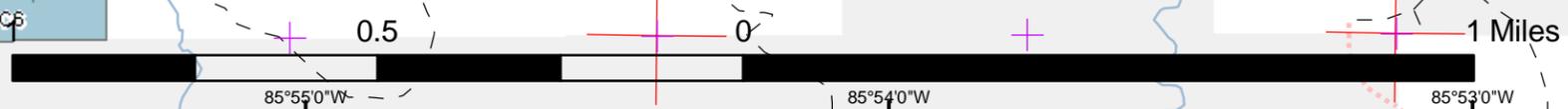
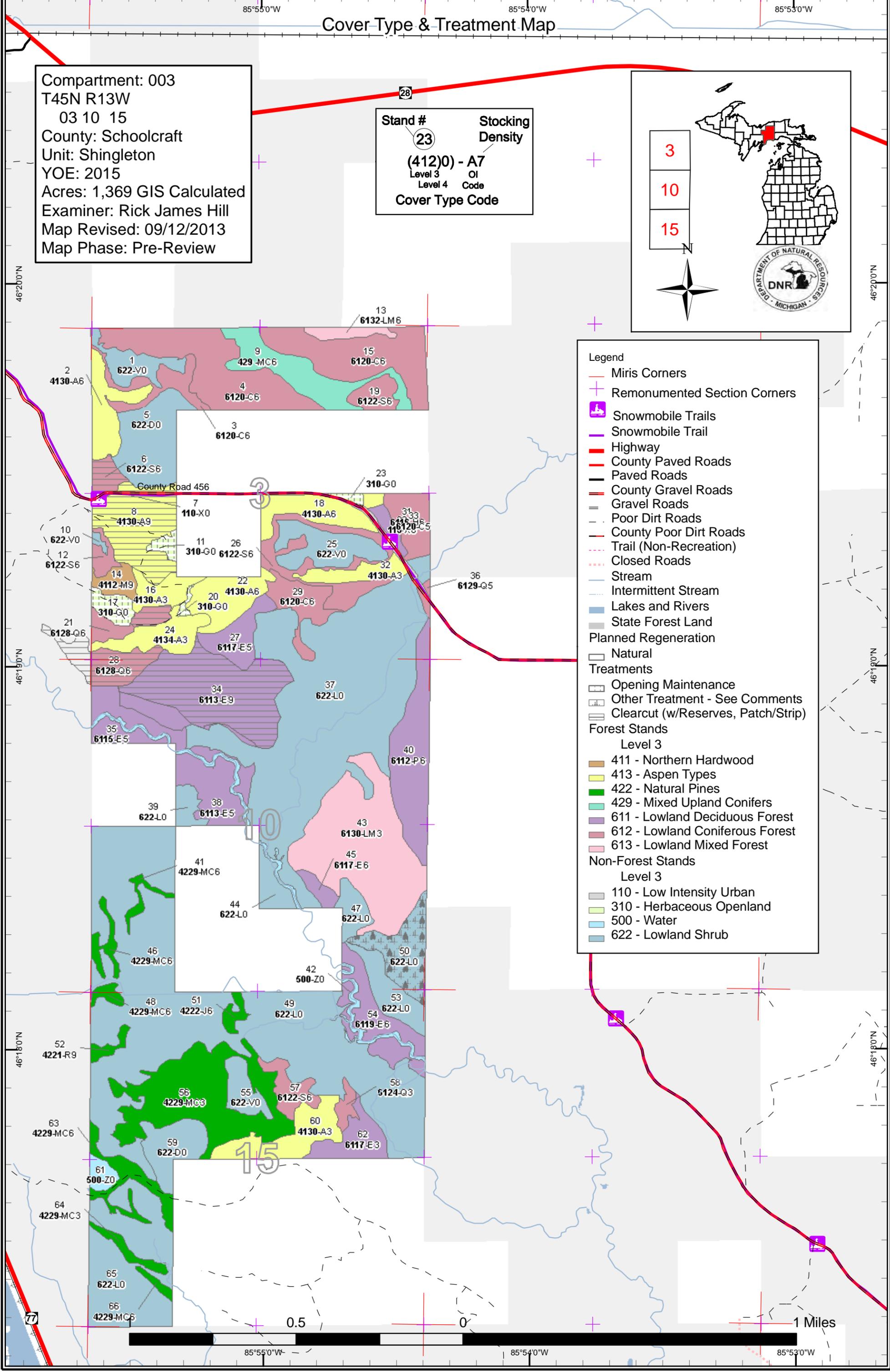
Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

3
 10
 15



Legend

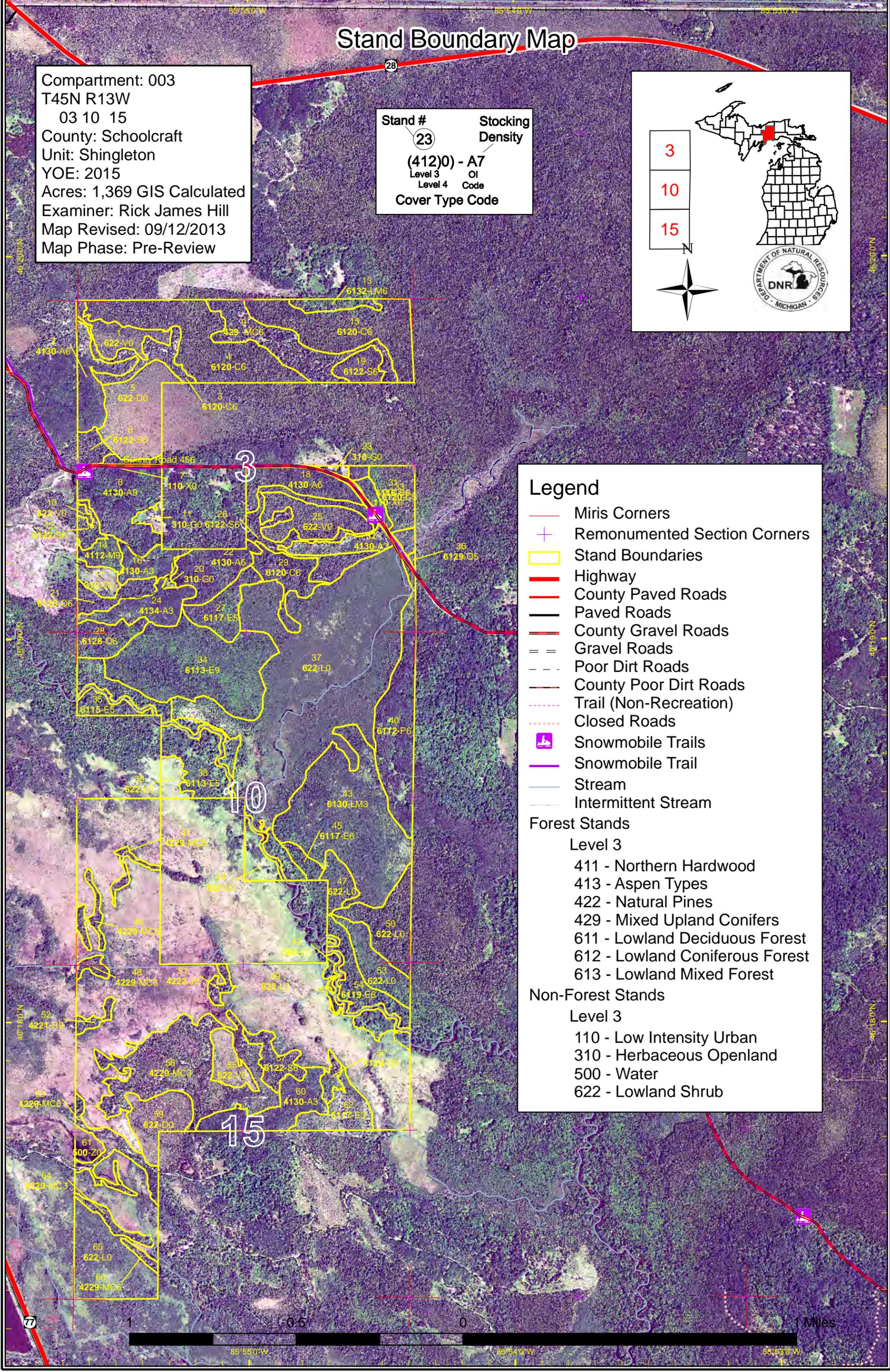
- Miris Corners
- Remonumented Section Corners
- Snowmobile Trails
- Snowmobile Trail
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land
- Planned Regeneration
- Natural
- Treatments
- Opening Maintenance
- Other Treatment - See Comments
- Clearcut (w/Reserves, Patch/Strip)
- Forest Stands
- Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Stands
- Level 3
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



Stand Boundary Map

Compartment: 003
 T45N R13W
 03 10 15
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2015
 Acres: 1,369 GIS Calculated
 Examiner: Rick James Hill
 Map Revised: 09/12/2013
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Stand #
 23
Stocking Density
 (412)0 - A7
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Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trails
- Snowmobile Trail
- Stream
- Intermittent Stream

Forest Stands

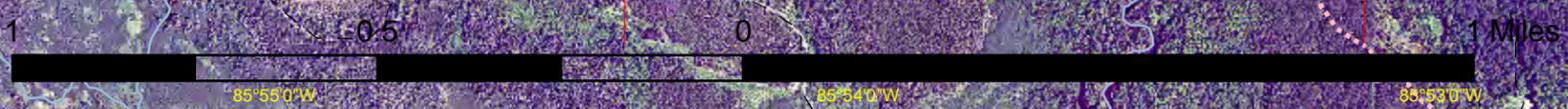
Level 3

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

Non-Forest Stands

Level 3

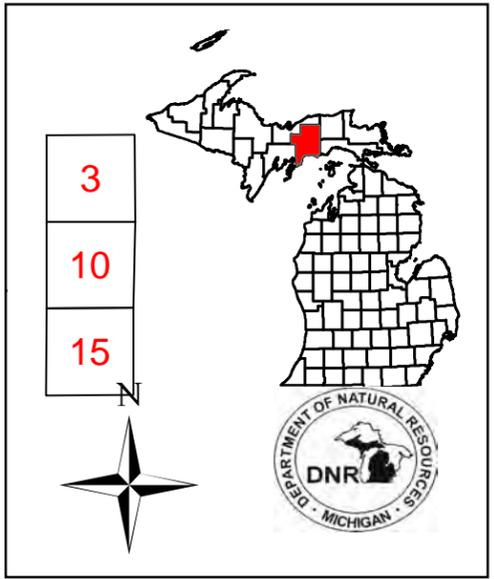
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



Special Conservation Areas & Site Conditions Map

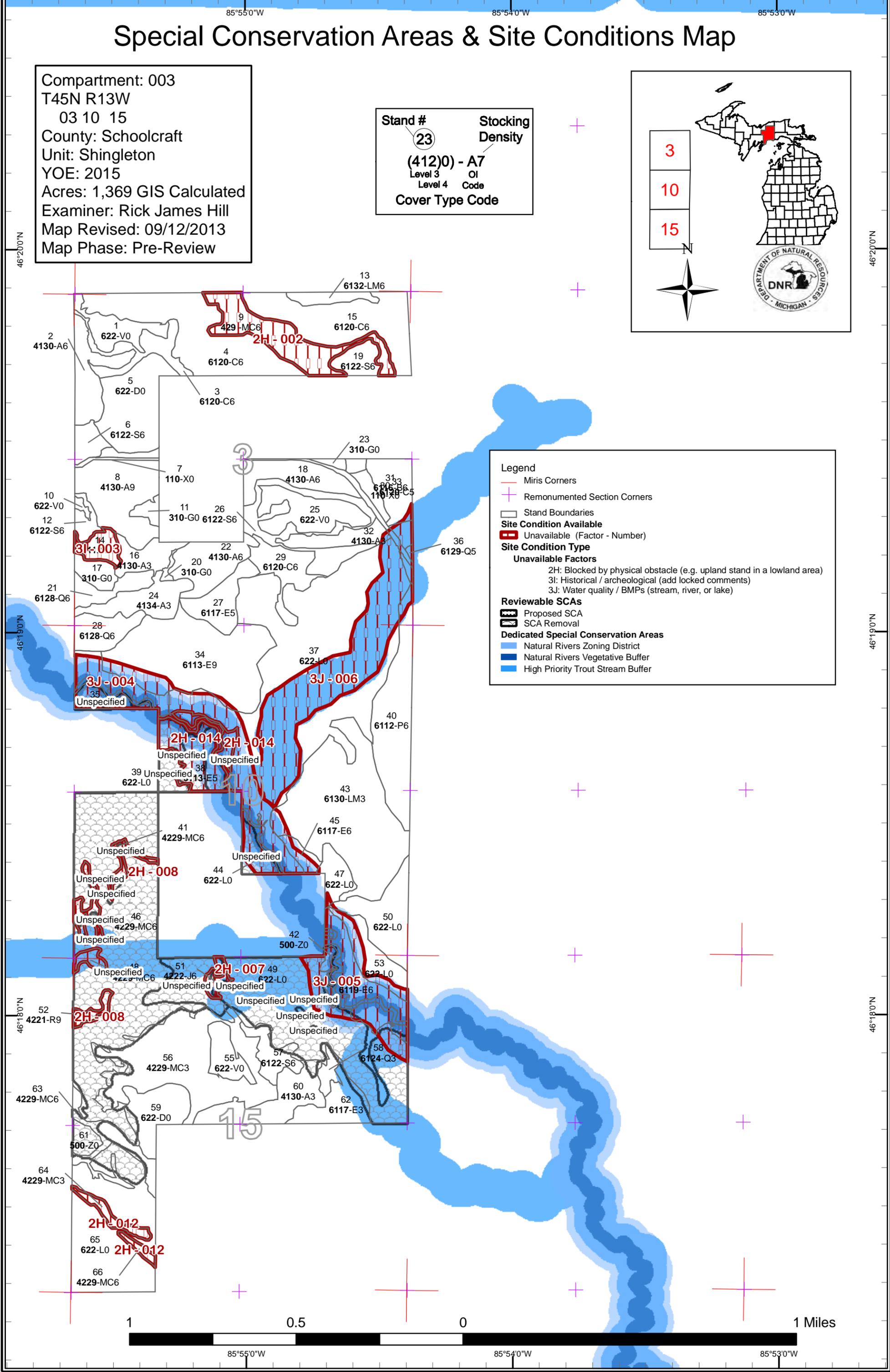
Compartment: 003
 T45N R13W
 03 10 15
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2015
 Acres: 1,369 GIS Calculated
 Examiner: Rick James Hill
 Map Revised: 09/12/2013
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Site Condition Available**
- Unavailable (Factor - Number)
- Site Condition Type**
- Unavailable Factors**
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3I: Historical / archeological (add locked comments)
- 3J: Water quality / BMPs (stream, river, or lake)
- Reviewable SCAs**
- Proposed SCA
- SCA Removal
- Dedicated Special Conservation Areas**
- Natural Rivers Zoning District
- Natural Rivers Vegetative Buffer
- High Priority Trout Stream Buffer



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	34	36	35	0	32	0	0	0	0	0	0	0	0	137
Bog	41	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Cedar	0	0	0	0	0	0	0	26	0	13	85	0	0	0	124
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Jack Pine	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
Lowland Aspen/Balsam Poplar	0	0	35	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Conifers	0	4	0	0	0	0	8	11	0	1	0	0	0	0	25
Lowland Deciduous	0	14	23	17	0	0	103	0	0	0	0	0	0	0	157
Lowland Mixed Forest	0	75	0	0	0	0	0	5	0	0	0	0	0	0	80
Lowland Shrub	513	0	0	0	0	0	0	0	0	0	0	0	0	0	513
Lowland Spruce/Fir	0	0	0	0	0	0	30	12	6	0	0	0	0	0	47
Natural Mixed Pines	0	0	65	15	5	3	0	0	0	0	0	0	0	0	88
Northern Hardwood	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
Paper Birch	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Treed Bog	46	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Upland Conifers	0	0	0	0	0	0	0	27	0	0	0	0	0	0	27
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Total	633	126	164	67	8	35	141	87	6	14	85	3	0	0	1369



Report 2 – Proposed Treatment Summaries

Shingleton Mgt. Unit
Year of Entry 2015

Compartment 003
Total Compartment Acres: 1,369

Acres by Treatment Type

Commercial Harvest - 108 Tree Planting - 0 Other - 20
Habitat Cut - 0 Opening Maintenance - 11

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	32	0	0	0	0	0	32
Lowland Coniferous Forest	21	0	0	0	0	0	21
Lowland Deciduous Forest	55	0	0	0	0	0	55
Total	108	0	0	0	0	0	108



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	41003006-Cut	5.7	6122 - Black Spruce	High Density Pole	83		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal

Prescription Clearcut this stand, leave retention along the bog. Leave white pine and red pine also any hemlock and oak that occur in the sale area. .
Specs:

Other Combine with the other stands in the area this site is wet and as a result will need to be cut in winter or dry summer. if this stand is cut in the
Comments: winter snowmobile issues will have to be addressed and the Seney snowmobile club will have to be contacted.

Next Acceptable regeneration is a mix of species on site primarily spruce and tamarack. Check regeneration in accordance with work instructions. If
Steps: regeneration fails consider seeding spruce or other alternatives that TMS approves of.

Proposed
Start Date: 10/01/2014

8	41003008-Cut	32.0	4130 - Aspen	High Density Log	53		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut this stand, reserve all White Pine, Red Pine, Oak and Cedar 3-7 percent of sale area should be reserved as retention the best area for
Specs: this would on steep slopes that border on inoperable or bordering the bog.

Other This is a hilly site most of the stand should be operable if this stand is cut in the winter snowmobile issues will have to be addressed and the
Comments: Seney snowmobile club will have to be contacted.

Next Acceptable regeneration is a mix of species on site primarily aspen using a 2 inch spec on hardwood will help accomplish this.
Steps:

Proposed
Start Date: 10/01/2014

21	41003021_sm all-Cut	3.7	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	60		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
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Prescription Clearcut this stand Reserve 3-7 percent of stand along edges of stand. Reserve all white pine and red pine also any hemlock and oak that occur
Specs: in the sale area.

Other Combine with the other stands in the area this site is wet and as a result will need to be cut in winter or dry summer. if this stand is cut in the
Comments: winter snowmobile issues will have to be addressed and the Seney snowmobile club will have to be contacted.

Next Acceptable regeneration is a mix of species on site primarily spruce and tamarack. Check regeneration in accordance with work instructions. If
Steps: regeneration fails consider seeding spruce or other alternatives that TMS approves of.

Proposed
Start Date: 10/01/2014

28	41003028-Cut	11.3	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	70		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Clearcut this stand reserve 3-7 percent of stand along Fox River corridor. Reserve all white pine, cedar and red pine also any hemlock and oak
Specs: that occur in the sale area.

Other Combine with the other stands in the area this site is wet and as a result will need to be cut in winter or dry summer. If this stand is cut in the
Comments: winter snowmobile issues will have to be addressed and the Seney snowmobile club will have to be contacted.

Next Acceptable regeneration is a mix of species on site primarily red maple, spruce and fir. Check regeneration in accordance with work instructions.
Steps: If regeneration fails consider seeding spruce and cedar or other alternatives that TMS approves of.

Proposed
Start Date: 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
34	41003034-Cut	55.5	6113 - Lowland Maple	High Density Log	62		Harvest	Clearcut with Reserves	6139 - Mixed Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clearcut this stand reserve 3-7 percent of stand along Fox River corridor. Reserve all white pine and red pine also any hemlock and oak that										
<u>Specs:</u> occur in the sale area.										
<u>Other</u> Combine with the other stands in the area this site is wet and as a result will need to be cut in winter or dry summer. If this stand is cut in the										
<u>Comments:</u> winter snowmobile issues will have to be addressed and the Seney snowmobile club will have to be contacted.										
<u>Next</u> Acceptable regeneration is a mix of species on site primarily red maple check regeneration in accordance with work instructions. If regeneration										
<u>Steps:</u> fails consider seeding spruce and cedar or other alternatives that TMS approves of.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
	41004_OutOfY OE-Cut	5.4					Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clearcut this stand reserve 3-7 percent of stand along Fox River corridor. Reserve all white pine, cedar and red pine also any hemlock and oak										
<u>Specs:</u> that occur in the sale area.										
<u>Other</u> Combine with the other stands in the area this site is wet and as a result will need to be cut in winter or dry summer. If this stand is cut in the										
<u>Comments:</u> winter snowmobile issues will have to be addressed and the Seney snowmobile club will have to be contacted.										
<u>Next</u> Acceptable regeneration is a mix of species on site primarily red maple, spruce and fir. Check regeneration in accordance with work instructions.										
<u>Steps:</u> If regeneration fails consider seeding spruce and cedar or other alternatives that TMS approves of.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
11	NF_41003011- NonFor	2.8	310 - Herbaceous Openland				Non-Forest Management	Brush Cutting	31021 - Cool Season Grass	Cmpt. Review Proposal
<u>Prescription</u> Manage this open area for wildlife, this may include clearing of trees in the opening, Planting of forage crops, Planting of oak or other species										
<u>Specs:</u> that wildlife division sees fit.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 04/01/2014										
17	NF_41003017- NonFor	6.1	31021 - Cool Season Grass				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Manage this open area for wildlife, this may include clearing of trees in the opening, Planting of forage crops, Planting of oak or other species										
<u>Specs:</u> that wildlife division sees fit.										
<u>Other</u> See management considerations for further information regarding this stand before treating.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 04/01/2014										
20	NF_41003020- NonFor	1.0	310 - Herbaceous Openland				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Manage this open area for wildlife, this may include clearing of trees in the opening, Planting of forage crops, Planting of oak or other species										
<u>Specs:</u> that wildlife division sees fit.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 04/01/2014										



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23 NF_41003023-NonFor	1.3	3102 - Grass				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal

Prescription: Manage this open area for wildlife, this may include clearing of trees in the opening, Planting of forage crops, Planting of oak or other species that wildlife division sees fit.

Other Comments:

Next Steps:

Proposed Start Date: 04/01/2014

50 NF_41003050-Other	20.1	6220 - Alder/willow				Other	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
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Prescription: Perform regeneration Check per Work instructions. Stand was cut in winter of 2013 count will be in 2017 at the earliest.

Other Comments:

Next Steps:

Proposed Start Date: 05/01/2017

Total Treatment Acreage Proposed: 145.0



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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

Compartment 003

Rick James Hill : Examiner

Year of Entry 2015

Availability for Management

Total Acres	Acres Available	Acres Not Available	Dominant Site Conditions	Dominant Site Conditions			
				No	3J	3I	2H
137	137	0	Aspen	137	0		
124	123	0	Cedar	123	0		
3		3	Jack Pine				3
35	34	1	Lowland Aspen/Balsam Poplar	34	1		
25	23	1	Lowland Conifers	23	1		
157	87	70	Lowland Deciduous	87	47		23
80	79	2	Lowland Mixed Forest	79	2		
47	47		Lowland Spruce/Fir	47			
88	71	17	Natural Mixed Pines	71			17
6		6	Northern Hardwood			6	
4	4		Paper Birch	4			
3		3	Red Pine				3
27		27	Upland Conifers				27
736	604	131	Total Forested Acres	604	53	6	73
	82%	18%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	27	2E: Road needed	2F: Too steep		
Comments:							
003	Not Available	3I: Historical / archeological (add locked comments)	6	2F: Too steep			
Comments:							

Report 5 – Site Conditions

Shingleton Mgt. Unit
Rick James Hill : Examiner

Compartment 003
Year of Entry 2015

004	Not Available	3J: Water quality / BMPs (stream, river, or lake)	64	1C: Other dept or div proc/practices	
Comments:					
005	Not Available	3J: Water quality / BMPs (stream, river, or lake)	43	1C: Other dept or div proc/practices	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
Comments:					
006	Not Available	3J: Water quality / BMPs (stream, river, or lake)	70	1C: Other dept or div proc/practices	
Comments:					
007	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3		
Comments:					
008	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14		
Comments:					
012	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6		
Comments:					

Report 5 – Site Conditions

Shingleton Mgt. Unit
Rick James Hill : Examiner

Compartment 003
Year of Entry 2015

014	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	23	3J: Water quality / BMPs (stream, river, or lake)	1C: Other dept or div proc/practices
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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
Unspecified	Potential Old Growth		SCA Removal	
Comments Balsam poplar etc. along the Fox River corridor - keep as a buffer for the river in accordance with the Fox River Plan. Very wet site displaying variable stand composition, health and density, with lowland brush in the understory. Mixed hardwood pulp con				
Unspecified	Potential Old Growth		SCA Removal	
Comments Island of a few pines out in the wetlands. Potential old-growth.				
Unspecified	Potential Old Growth		SCA Removal	
Comments Large red maple and balsam poplar along the Fox River corridor - keep as a buffer for the river in accordance with the Fox River Plan. Some spots have lowland brush in the understory. Mixed conifer pulp consists of several different species. Potential ol				
Unspecified	Potential Old Growth		SCA Removal	
Comments Lots of tag alder, willow and red-osier dogwood. Potential old-growth.				
Unspecified	Potential Old Growth		SCA Removal	
Comments Lots of tag alder, willow and red-osier on the west side of the Fox River. Potential old-growth.				
Unspecified	Potential Old Growth		SCA Removal	
Comments Marsh with scattered brush along the Fox River. Potential old-growth.				
Unspecified	Potential Old Growth		SCA Removal	
Comments Marsh with scattered brush. Potential old-growth.				



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
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4130 - Aspen	High Density Pole	15.5	28		
3	6120 - Lowland Cedar	High Density Pole	11.8	73		
4	6120 - Lowland Cedar	High Density Pole	46.7	108		
6	6122 - Black Spruce	High Density Pole	5.7	83		
8	4130 - Aspen	High Density Log	32.0	53		This aspen stand is mature, and should be cut to regenerate aspen the stand has some hills but should be operable. Retention can be left north of the old Seney road.
9	429 - Mixed Upland Conifers	High Density Pole	26.8	73	51-80	This stand is a composite of ridges and connecting lowlands, with a mix of species and densities in some areas red pine is dominant in others spruce and birch dominate all species are mature and ready for a harvest. This stand was factor limited in the past and may not be harvestable.
12	6122 - Black Spruce	High Density Pole	4.2	73		
13	6132 - Mixed Lowland Forest with Cedar	High Density Pole	5.2	73		
14	4112 - Maple, Beech, Cherry Association	High Density Log	6.3	73	111-140	There is aspen along the edges of this stand. This site is quite steep verging on in operable in some places the hardwood is of moderate quality with red maple dominating the stand. There are some other issues related to the operability that are located in the management considerations.
15	6120 - Lowland Cedar	High Density Pole	38.6	107		
16	4130 - Aspen	High Density Sapling	9.5	14		Cut in 1999 under sale 41-051-97-01, TCR dated 5/3/01.
18	4130 - Aspen	High Density Pole	17.4	37		
19	6122 - Black Spruce	High Density Pole	7.5	73		The Spruce looks good. Harvest with stand 9 at some point if stand 9 is operable.
21	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	8.3	60		The north east part of this stand has a lot of mature aspen and should be harvested it will add up to about 4 acres.
22	4130 - Aspen	High Density Pole	17.9	34		This is a borderline wet stand upland/ lowland could go either way.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	4134 - Aspen, Spruce/Fir	High Density Sapling	14.9	14		Cut in 1999 under sale 41-051-97-01, TCR dated 5/3/01. Stand has some wet areas that have come back to a mix of ash and tag alder. This is a borderline wet stand upland/ lowland could go either way.
26	6122 - Black Spruce	High Density Pole	20.5	68		
27	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	13.1	62		
28	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	11.3	70		If stand to the south is cut this one could be cut as well.
29	6120 - Lowland Cedar	High Density Pole	13.7	75		
31	6116 - Lowland Birch	High Density Pole	3.5	25		
32	4130 - Aspen	High Density Sapling	9.2	12		
33	6120 - Lowland Cedar	Medium Density Pole	12.9	96		
34	6113 - Lowland Maple	High Density Log	63.2	62		This is an E type with small Black ash mixed in with red maple. Some portion of this stand should be cut to allow the ash to be harvested before EAB hits; this will also produce a good amount of soft maple logs and pulp.
35	6115 - Lowland Ash	Medium Density Pole	16.9	31		
36	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	1.4	96		
38	6113 - Lowland Maple	Medium Density Pole	22.9	64		
40	6112 - Lowland Aspen	High Density Pole	35.2	25		
41	42290 - Natural Mixed Pine	High Density Pole	3.1	32		
43	6130 - Fir, Aspen, Maple	High Density Sapling	75.2	12		
45	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	4.0	65		

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 003
Year of Entry: 2015

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	42290 - Natural Mixed Pine	High Density Pole	4.9	45	81-110	
48	42290 - Natural Mixed Pine	High Density Pole	2.6	55	81-110	
51	42220 - Natural Jack Pine	High Density Pole	3.3	42		Inaccessible island in the marsh it's quite small.
52	42210 - Natural Red Pine	High Density Log	2.8	112	1-50	
54	6119 - Mixed Lowland Deciduous Forest	High Density Pole	23.2	29		Low hardwood mixed with spruce, too wet and in river corridor.
56	42290 - Natural Mixed Pine	High Density Sapling	59.2	25		
57	6122 - Black Spruce	High Density Pole	9.1	66		Hold till the adjacent jack pine is ready to be cut.
58	6124 - Lowland Spruce-Fir	High Density Sapling	3.6	13		
60	4130 - Aspen	High Density Sapling	20.8	26		
62	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	13.6	14		
63	42290 - Natural Mixed Pine	High Density Pole	12.2	30		
64	42290 - Natural Mixed Pine	High Density Sapling	4.3	29		
66	42290 - Natural Mixed Pine	High Density Pole	1.8	29		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	6225 - Bog	11.4	Unspecified	Unspecified	
5	6224 - Treed Bog	29.0	Unspecified	Unspecified	
7	11 - Low Intensity Urban	1.3	Unspecified	Unspecified	
10	6225 - Bog	1.0	Unspecified	Unspecified	
11	310 - Herbaceous Openland	2.8	Unspecified	Unspecified	
17	31021 - Cool Season Grass	6.1	Yes	High	
20	310 - Herbaceous Openland	1.0	Unspecified	Unspecified	
23	3102 - Grass	1.3	Unspecified	Unspecified	
25	6225 - Bog	19.1	Unspecified	Unspecified	
30	11 - Low Intensity Urban	4.3	Unspecified	Unspecified	
37	6220 - Alder/willow	178.9	Unspecified	Unspecified	
39	6221 - Fen	5.5	Unspecified	Unspecified	
42	50 - Water	11.8	Unspecified	Unspecified	
44	6220 - Alder/willow	7.4	Unspecified	Unspecified	
47	6220 - Alder/willow	7.6	Unspecified	Unspecified	
49	6221 - Fen	224.2	Unspecified	Unspecified	
50	6220 - Alder/willow	20.1	Natural Regen	Lowland Mixed Forest	Cut in sale 41-023-08-01 some trees around the edges left as retention regeneration check next cycle.
53	6220 - Alder/willow	13.9	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
55	6225 - Bog	9.2	Unspecified	Unspecified	
59	6224 - Treed Bog	16.7	Unspecified	Unspecified	
61	50 - Water	4.4	Unspecified	Unspecified	
65	6221 - Fen	55.7	Unspecified	Unspecified	