



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 93

Entry Year 2016

Acreage: 1,911

County Delta

Management Area: Garden Thompson Plains

Revision Date: 04/25/2014

Stand Examiner: Tori Irving

Legal Description:

T40N, 18W, Sections 33-36

Identified Planning Goals:

This compartment is in the Garden Thompson Plains Management Areas. The main objectives for this area are timber management, wildlife habitat, protection of unique areas, species of special concern, and opportunities for forest

Soil and topography:

The topography in this compartment is mostly flat but there are some nice ridges with decent elevation. The soil types are Croswell sands on the uplands and Tawas on the lowlands. Tawas soils are poorly drained organic soils while the Croswell sands are well drained.

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

Ownership within the compartments boundary is mainly all State owned with only a small amount of fragmentation on the west.

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:

None known.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Wildlife featured species: Woodcock, ruffed grouse, deer and turkey.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 10 feet. The Silurian Manistique Group subcrops below the glacial drift. These rocks could be used for stone. The nearest gravel pit is one mile to the south and potential appears to be good. There is no commercial oil and gas production in the UP

Vehicle Access:

Access to the compartment is relatively good, there are numerous two-tracks within the compartment and M-183 runs along the west edge. However, there are still some areas where access is difficult due to private land gates.

Survey Needs:

Recreational Facilities and Opportunities:

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

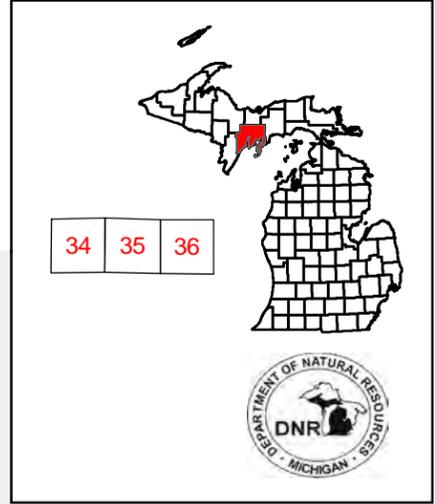
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

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

Cover Type & Treatment Map

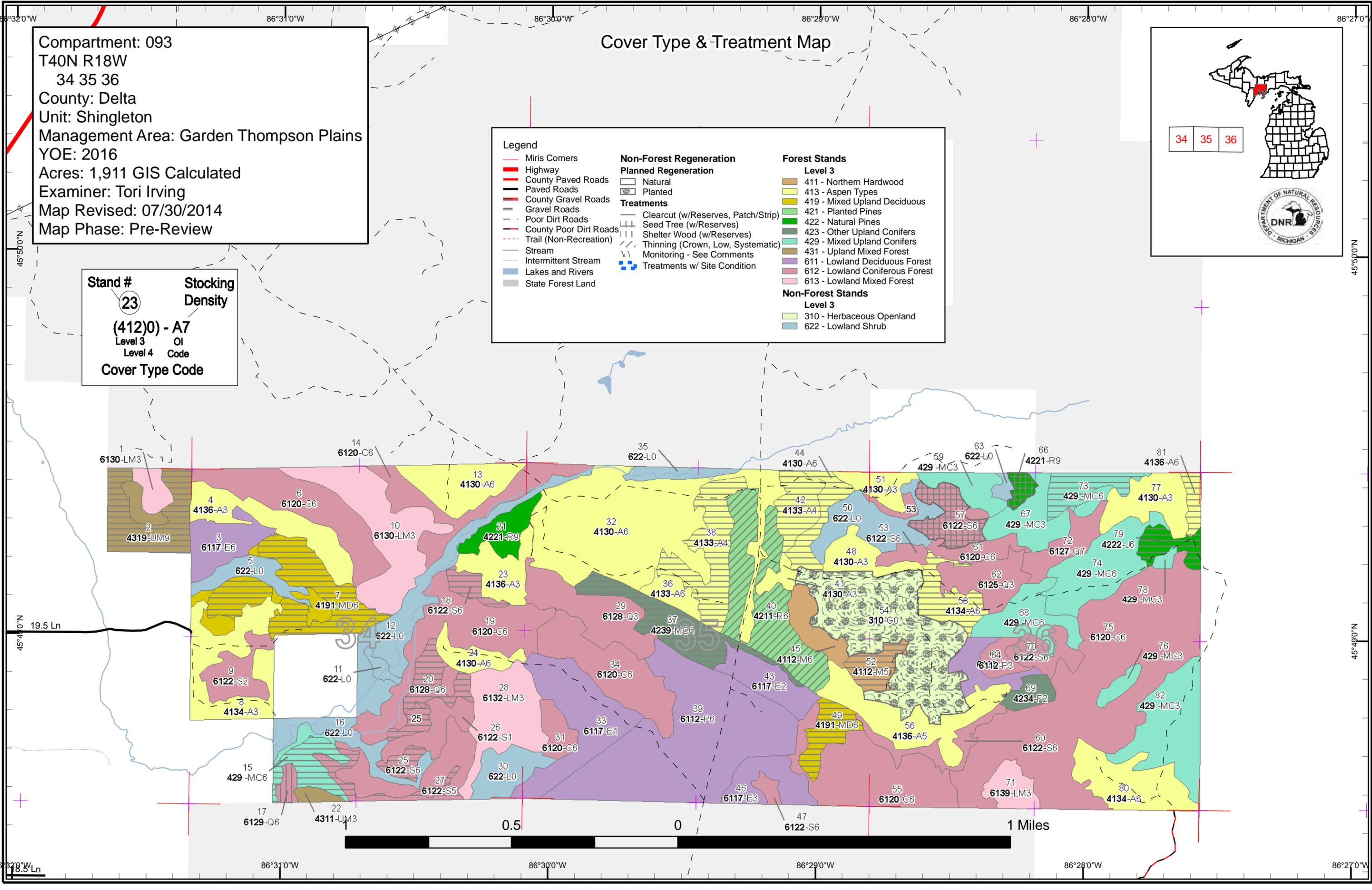
Compartment: 093
 T40N R18W
 34 35 36
 County: Delta
 Unit: Shingleton
 Management Area: Garden Thompson Plains
 YOE: 2016
 Acres: 1,911 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 07/30/2014
 Map Phase: Pre-Review



Legend

<ul style="list-style-type: none"> — 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 █ State Forest Land 	<p>Non-Forest Regeneration</p> <p>Planned Regeneration</p> <ul style="list-style-type: none"> Natural Planted <p>Treatments</p> <ul style="list-style-type: none"> Clearcut (w/Reserves, Patch/Strip) Seed Tree (w/Reserves) Shelter Wood (w/Reserves) Thinning (Crown, Low, Systematic) Monitoring - See Comments Treatments w/ Site Condition 	<p>Forest Stands</p> <p>Level 3</p> <ul style="list-style-type: none"> 411 - Northern Hardwood 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 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 <p>Non-Forest Stands</p> <p>Level 3</p> <ul style="list-style-type: none"> 310 - Herbaceous Openland 622 - Lowland Shrub
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Stand #
23
(4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Compartment: 093
 T40N R18W
 34 35 36
 County: Delta
 Unit: Shingleton
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 Map Revised: 07/30/2014
 Map Phase: Pre-Review

Stand Boundary Map

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

- Stand Boundaries

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 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

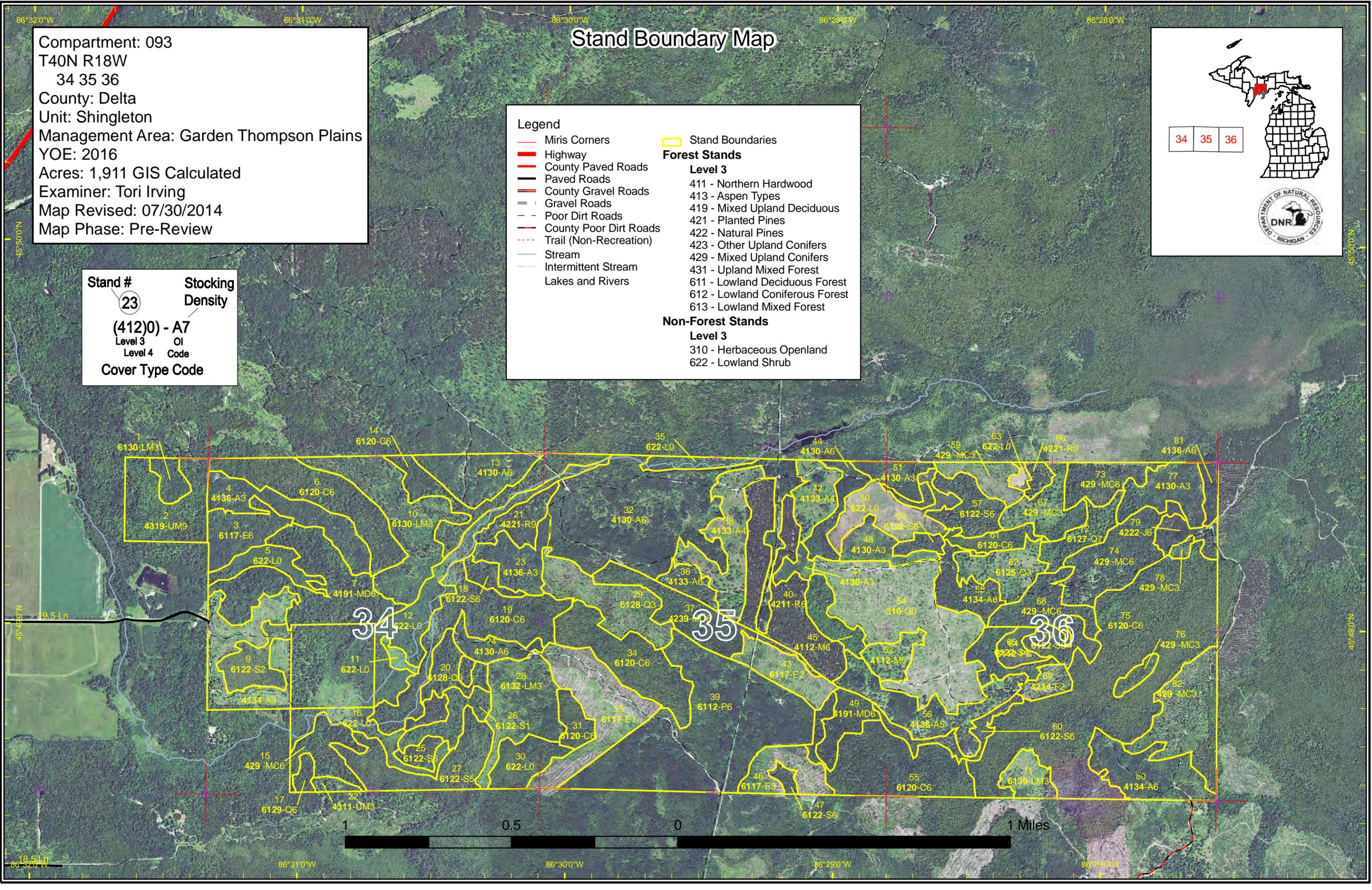
- 310 - Herbaceous Openland
- 622 - Lowland Shrub

34

35

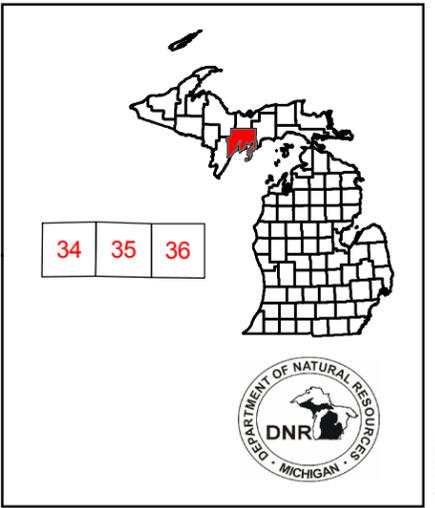
36

Stand #	Stocking Density
23	
(4120) - A7	
Level 3	OI
Level 4	Code
Cover Type Code	



Compartment: 093
 T40N R18W
 34 35 36
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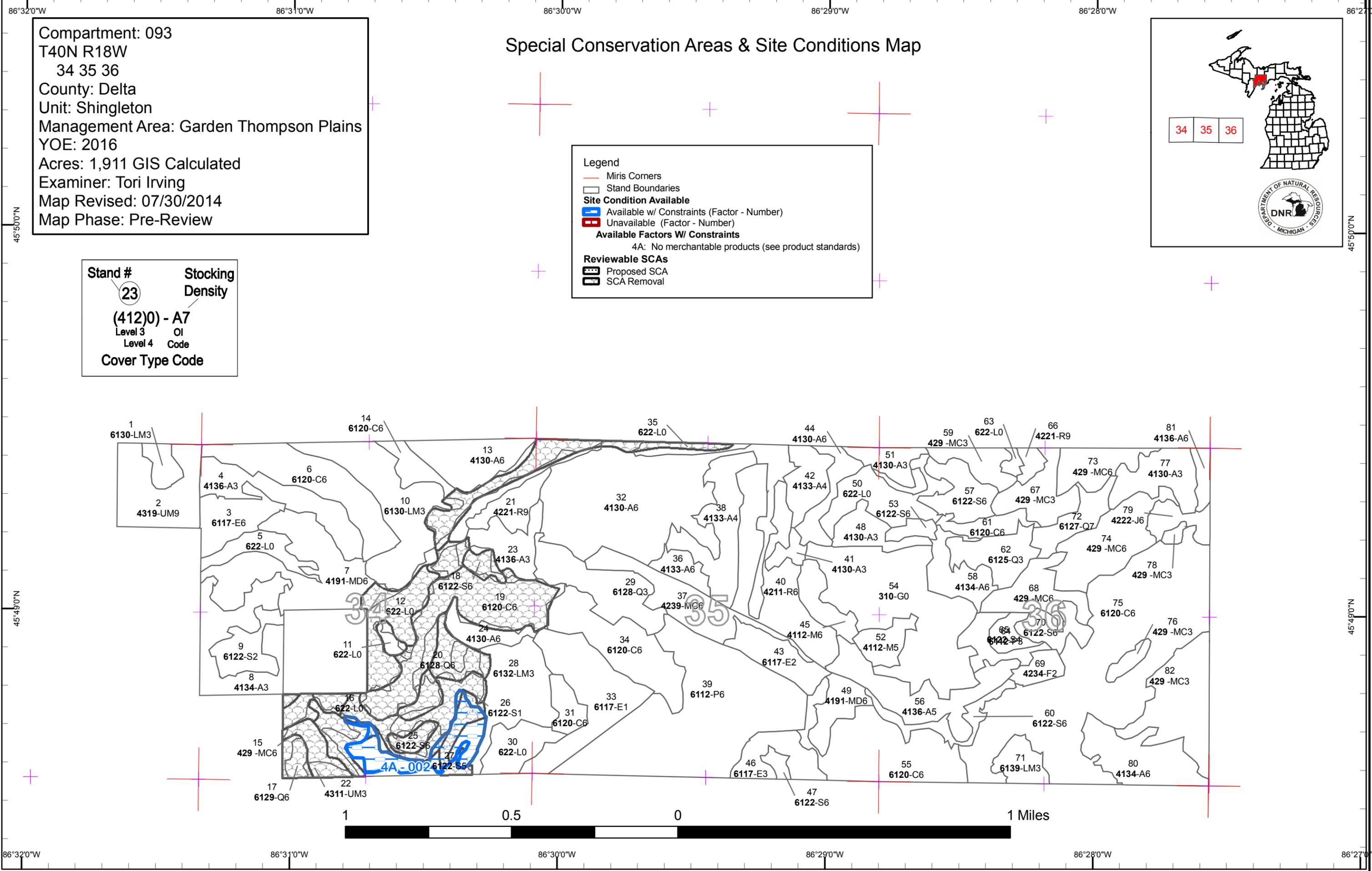
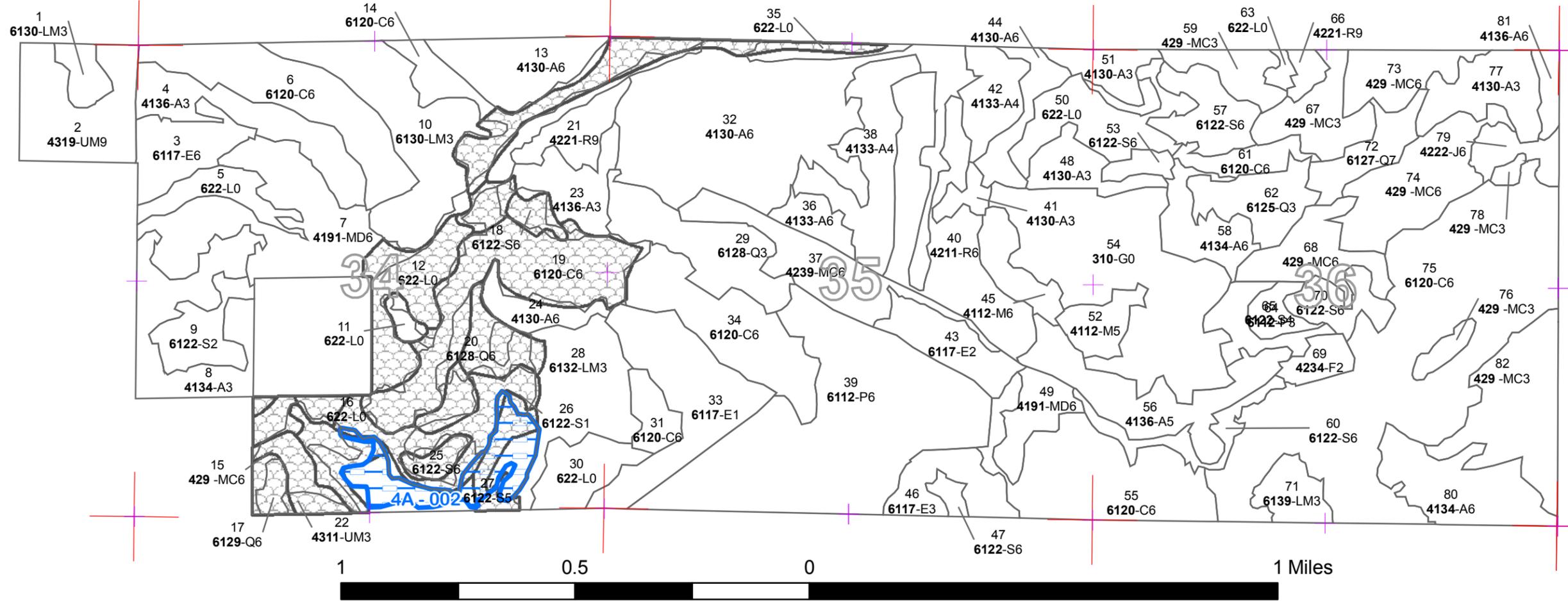
Special Conservation Areas & Site Conditions Map



Legend

- Miris Corners
- Stand Boundaries
- Site Condition Available**
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Available Factors W/ Constraints**
- 4A: No merchantable products (see product standards)
- Reviewable SCAs**
- Proposed SCA
- SCA Removal

Stand #	Stocking Density
23	
(4120) - A7	
Level 3	OI
Level 4	Code
Cover Type Code	



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	52	21	119	34	127	67	0	0	0	0	0	0	0	0	420
Cedar	0	0	0	0	0	0	0	49	72	248	0	0	0	0	370
Herbaceous Openland	80	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Jack Pine	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Lowland Aspen/Balsam Poplar	0	0	122	0	0	0	0	0	0	0	0	0	0	0	122
Lowland Conifers	30	19	0	0	0	0	0	14	16	0	0	0	0	0	79
Lowland Deciduous	75	0	19	0	0	0	0	0	0	0	0	0	0	0	94
Lowland Mixed Forest	0	92	7	0	0	0	0	0	0	0	0	0	0	0	99
Lowland Shrub	117	0	0	0	0	0	0	0	0	0	0	0	0	0	117
Lowland Spruce/Fir	0	0	0	0	28	23	14	68	0	0	0	0	0	0	133
Mixed Upland Deciduous	0	0	0	0	0	0	0	67	0	0	0	0	0	0	67
Northern Hardwood	0	0	0	0	0	10	0	0	12	0	0	0	0	0	23
Red Pine	0	0	0	0	49	0	0	17	0	0	0	0	0	0	66
Upland Conifers	11	21	37	4	33	0	21	0	45	16	0	0	0	0	188
Upland Mixed Forest	0	3	0	0	0	0	0	33	0	0	0	0	0	0	36
Upland Spruce/Fir	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	373	155	304	38	238	110	35	248	146	264	0	0	0	0	1911



Report 2 – Proposed Treatment Summaries

Shingleton Mgt. Unit
Year of Entry 2016

Compartment 093
Total Compartment Acres: 1,911

Acres by Treatment Type

Commercial Harvest - 351 Tree Planting - 0 Other - 0
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

		<i>Clear cut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen Types	79	0	0	0	0	0	0	79
Lowland Coniferous Forest	38	0	16	4	0	0	0	57
Mixed Upland Conifers	27	0	0	0	0	0	0	27
Mixed Upland Deciduous	58	0	0	0	0	0	0	58
Natural Pines	10	0	4	0	0	0	0	14
Northern Hardwood	10	0	0	0	0	0	0	10
Other Upland Conifers	28	0	0	0	0	0	0	28
Planted Pines	0	0	0	0	49	0	0	49
Upland Mixed Forest	28	0	0	0	0	0	0	28
Total	278	0	20	4	49	0	0	351



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	41093002-Cut	28.1	4319 - Mixed Upland Forest	High Density Log	77		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all trees except hemlock and oak. leave some good quality pine seed trees where they are present.</p> <p><u>Specs:</u></p> <p><u>Other</u> a large portion of the stand is hemlock which should be excluded. also there is a drain in the NE that should be buffered accordingly to prevent erosion and sedimentation.</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
7	41093007_sm all-Cut	44.9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	70		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species.</p> <p><u>Specs:</u></p> <p><u>Other</u> Exclude areas of cedar that are inoperable. This has already been done with an adjustment to the treatment boundary. If more are found, exclude also. These will be the retention areas.</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
15	41093015-Cut	13.6	429 - Mixed Upland Conifers	High Density Pole	90		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species except cedar. Exclude inoperable patches of cedar. Mark some good quality pine seed trees to leave where present on higher ground.</p> <p><u>Specs:</u></p> <p><u>Other</u> access will be through private camp. creek on north should have a 100 foot buffer.</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry. acceptable regen is any mixture currently found onsite.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2016</p>										
17	41093017-Cut	3.6	6129 - Mixed Coniferous Lowland Forest	High Density Pole	87		Harvest	Shelter Wood with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> cut all except cedar. mark some skid trails through inoperable areas of cedar</p> <p><u>Specs:</u></p> <p><u>Other</u> access will be through private camp. No retention other than cedar and the creek buffer.</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry. acceptable species for regen is anything onsite</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2016</p>										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18	41093018-Cut	5.9	6122 - Black Spruce	High Density Pole	75		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Cut all species. Leave some good quality pine seed trees on the ridge if present. <u>Specs:</u> <u>Other</u> Buffer creek 100 feet. this will be the retention area. <u>Comments:</u> <u>Next</u> check regeneration next year of entry. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
20	41093020-Cut	12.6	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	80		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Cut all species. avoid cutting dense pockets of cedar if possible. <u>Specs:</u> <u>Other</u> buffer creek 100 feet. <u>Comments:</u> <u>Next</u> check regeneration next year of entry <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
25	41093025-Cut	10.0	6122 - Black Spruce	High Density Pole	78		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Cut all species. <u>Specs:</u> <u>Other</u> Buffer creek 100 feet. Exclude dense pockets of cedar if they are present. <u>Comments:</u> <u>Next</u> check regeneration next year of entry <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
27	41093027_sm all-Cut	9.1	6122 - Black Spruce	Medium Density Pole	78		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except cedar <u>Specs:</u> <u>Other</u> access will be through private camp <u>Comments:</u> <u>Next</u> Check regeneration next year of entry. acceptable regeneration is anything onsite. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2016										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
37	41093037-Cut	28.3	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	88		Harvest	Clearcut with Reserves	42390 - Mixed Non-Pine Upland Conifers	Cmpt. Review Proposal
<p><u>Prescription</u> Create an irregular treatment boundary to exclude dense clumps of cedar. cut all species within sale boundary and it is fine to cut the cedar within sale boundary. a good portion of the treatment area will be left uncut.</p> <p><u>Specs:</u></p> <p><u>Other</u> most of the non-cedar areas are located on the northern edge of stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
38	41093038-Cut	30.9	4133 - Aspen, Mixed Pine	Low Density Pole	50		Harvest	Clearcut with Reserves	310 - Herbaceous Openland	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species down to 2 inches. manage for grass.</p> <p><u>Specs:</u></p> <p><u>Other</u> opening maintenace, could be chipped.</p> <p><u>Comments:</u></p> <p><u>Next</u> possible wildlife FTP's could be written</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
40	41093040-Cut	49.5	42110 - Planted Red Pine	High Density Pole	46	171-200	Harvest	Low Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<p><u>Prescription</u> thin to 120</p> <p><u>Specs:</u></p> <p><u>Other</u> snowmobile trail may not be used in winter months</p> <p><u>Comments:</u></p> <p><u>Next</u></p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
42	41093042-Cut	15.0	4133 - Aspen, Mixed Pine	Low Density Pole	50		Harvest	Clearcut with Reserves	310 - Herbaceous Openland	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species down to 2 inches. manage for grass.</p> <p><u>Specs:</u></p> <p><u>Other</u> opening maintenace, could be chipped</p> <p><u>Comments:</u></p> <p><u>Next</u> possible wildlife FTP could be written</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	41093044-Cut	11.8	4130 - Aspen	High Density Pole	46		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> harvest all species. cut hardwoods down to 2 inches</p> <p><u>Specs:</u></p> <p><u>Other</u> retention can be left along marsh edge</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
49	41093049-Cut	12.9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	70		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> cut all species.</p> <p><u>Specs:</u></p> <p><u>Other</u> this area was recently typed out of a former cedar stand. an effort was made to exclude the dense pockets of cedar with the treatment boundary</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
52	41093052-Cut	10.5	4112 - Maple, Beech, Cherry Association	Medium Density Pole	50	1-50	Harvest	Clearcut with Reserves	310 - Herbaceous Openland	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species down to 2 inches. manage for grass.</p> <p><u>Specs:</u></p> <p><u>Other</u> opening maintenace, could be chipped</p> <p><u>Comments:</u></p> <p><u>Next</u> possible wildlife FTP could be written</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
57	41093057-Cut	16.0	6122 - Black Spruce	High Density Pole	75		Harvest	Seed Tree with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species. Leave 30 sq. ft. of quality pine seed trees where present. Trees should be located on firm ground.</p> <p><u>Specs:</u></p> <p><u>Other</u> stand may need VBAR cruising. sale boundary will need to be a different color because there is old red paint that shows up well in stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> check regeneration next year of entry</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										



Standard	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
58	41093058-Cut	16.1	4134 - Aspen, Spruce/Fir	High Density Pole	50		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Cut all species, hardwood down to 2 inches. Leave good quality pine seed trees where present.

Specs:

Other No retention other than pine, snags, and submerchantable trees.

Comments:

Next check regeneration next year of entry

Steps:

Proposed

Start Date: 10/01/2015

66	41093066-Cut	4.0	42210 - Natural Red Pine	High Density Log	78	141-170	Harvest	Seed Tree with Reserves	4221 - Natural Red Pine	Cmpt. Review Proposal
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Prescription Leave 30 sq ft of quality red pine seed trees.

Specs:

Other harvest on bare ground if possible.

Comments:

Next red pine regeneration FTP - scarify

Steps:

Proposed

Start Date: 10/01/2015

73	41093073-Cut	13.5	429 - Mixed Upland Conifers	High Density Pole	83		Harvest	Clearcut with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal
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Prescription Cut all species. Leave good quality pine seed trees where present and on higher ground.

Specs:

Other bog area has been excluded as retention with a change in treatment boundary

Comments:

Next check regeneration next year of entry.

Steps:

Proposed

Start Date: 10/01/2015

79	41093079-Cut	9.5	42220 - Natural Jack Pine	High Density Pole	51		Harvest	Clearcut	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription cut all trees down to 2 inches.

Specs:

Other southern boundary should include all the spruce up to the cedar. No retention other than submerchantable trees and snags- small stand.

Comments:

Next regenerate jack pine on higher ground - scarifying stand early would be best.

Steps:

Proposed

Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
81	41093081-Cut	5.2	4136 - Aspen, Mixed Conifer	High Density Pole	51		Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription cut all species. hardwood down to 2 inches

Specs:

Other no retention other than submerchantable trees and snags

Comments:

Next check regeneration next year of entry

Steps:

Proposed

Start Date: 10/01/2015

54	NF_41093054- Monitor	80.0	3105 - Mixed Upland Herbaceous				Monitoring	See Comments	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription continue work under red pine planting FTP. Stand will need a 3rd year regen check and is on the list for an herbicide application.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 05/23/2014

**Total Treatment
Acreage Proposed: 431.2**



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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 093

Tori Irving : Examiner

Year of Entry 2016

Availability for Management

Total Acres	Acres Available	Acres Not Available	Dominant Site Conditions		
Acres	Available	Not Available	No	4A	
423	423		Aspen	423	
370	370		Cedar	370	
10	10		Jack Pine	10	
122	122		Lowland Aspen/Balsam Poplar	122	
75	75		Lowland Conifers	75	
94	94		Lowland Deciduous	94	
99	99		Lowland Mixed Forest	99	
137	137		Lowland Spruce/Fir	105	32
84	84		Mixed Upland Deciduous	84	
23	23		Northern Hardwood	23	
66	66		Red Pine	66	
172	172		Upland Conifers	172	
33	33		Upland Mixed Forest	33	
7	7		Upland Spruce/Fir	7	
1,714	1,714		Total Forested Acres	1,682	32
	100%		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	4A: No merchantable products (see product standards)	23				
Comments:							
could possibly look at cutting a few acres of this with compartment to the south							



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
Comments				



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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 093
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6130 - Fir, Aspen, Maple	High Density Sapling	7.0	26		
2	4319 - Mixed Upland Forest	High Density Log	33.0	77		
3	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	19.0	25		
4	4136 - Aspen, Mixed Conifer	High Density Sapling	27.3	25		
6	6120 - Lowland Cedar	High Density Pole	39.2	99		hwd is dying , converting to cedar
7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	54.5	70		Prescription was dropped in 2004 compartment review and decision was made to hold this stand until 2014 review and prescribe stand.
8	4134 - Aspen, Spruce/Fir	High Density Sapling	34.6	6		Stand was cut in winter 2008, Goulds Landing Sale. Previously typed as aspen, will need a regeneration walkthrough. 13 sq. ft. hemlock was residuals.
9	6122 - Black Spruce	Medium Density	15.1	40		Stand swapped from Non-Forested to Forested.
10	6130 - Fir, Aspen, Maple	High Density Sapling	46.6	15		Residual red pine present that were left during previous harvest. Comments from prior review stated to leave these red pine due to the large amount of aspen present in the compartment.
13	4130 - Aspen	High Density Pole	23.8	25		
14	6120 - Lowland Cedar	High Density Pole	26.1	82		
15	429 - Mixed Upland Conifers	High Density Pole	16.3	90		
17	6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.6	87		
18	6122 - Black Spruce	High Density Pole	5.9	75		previously POG
19	6120 - Lowland Cedar	High Density Pole	50.6	92		
20	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	12.6	80		New stand added.

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 093
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	42210 - Natural Red Pine	High Density Log	12.6	73	141-170	Previous comments state stand had heavy aspen understory and to wait till this entry to hopefully shade out aspen.
22	4311 - Pine, Aspen Mix	High Density Sapling	3.2	15		
23	4136 - Aspen, Mixed Conifer	High Density Sapling	17.6	25		
24	4130 - Aspen	High Density Pole	10.2	25		Previous comments state that beavers took out the western edge of stand.
25	6122 - Black Spruce	High Density Pole	10.0	78		
26	6122 - Black Spruce	Low Density Sapling	13.2	40		
27	6122 - Black Spruce	Medium Density Pole	31.5	78		mixture of D type and spruce. more merchantable wood to the east.
28	6132 - Mixed Lowland Forest with Cedar	High Density Sapling	34.6	15		Previous comments stated that deer ate most of the regen except BAM.
29	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	30.2	7		Stand was cut with Cooks Grade Mix sale. Residuals were 30 sq.ft. cedar, and 5 sq. ft. hemlock.
31	6120 - Lowland Cedar	High Density Pole	8.5	90		
32	4130 - Aspen	High Density Pole	107.0	42		
33	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Sapling	41.4	3		Stand was cut with Cooks Grade Mix Sale.
34	6120 - Lowland Cedar	High Density Pole	37.3	88		
36	4133 - Aspen, Mixed Pine	High Density Pole	8.2	44		
37	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	28.3	88		
38	4133 - Aspen, Mixed Pine	Low Density Pole	30.9	50		Wildlife shrubs were planted on easter edge near adjacent red pine rows. Autumn Olive, Siberean Crab, and Washington Hawthorne. Inmates removed these shrubs in 2006. Sprouts were sprayed in 2007 and 2008. Shrubs were dragged into grass opening and stand was burned in spring 2011.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	6112 - Lowland Aspen	High Density Pole	110.6	25		
40	42110 - Planted Red Pine	High Density Pole	49.5	46	171-200	Sale was thinned with Cooks Grade Mix. TCR date 2011.
41	4130 - Aspen	High Density Sapling	4.8	7		Cut with Cooks Grade Mix Sale. TSI work completed.
42	4133 - Aspen, Mixed Pine	Low Density Pole	15.0	50		Wildlife shrubs were planted on easter edge near adjacent red pine rows. Autumn Olive, Siberean Crab, and Washington Hawthorne. Inmates removed these shrubs in 2006. Sprouts were sprayed in 2007 and 2008. Shrubs were dragged into grass opening and stand was burned in spring 2011.
43	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	17.3	5		
44	4130 - Aspen	High Density Pole	11.8	46		previous comments state to look at harvesting this time around
45	4112 - Maple, Beech, Cherry Association	High Density Pole	12.1	80	81-110	Thinned in 1987. Also thinned in 2006 with Cooks Grade Mix sale. Residuals were 53 feet red maple, 9 feet beech, 3 feet hard maple. Previous comments stated heavy bear use on beech trees.
46	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	16.8	3		Stand cut with Cooks Grade Mix Sale.
47	6122 - Black Spruce	High Density Pole	3.0	70		
48	4130 - Aspen	High Density Sapling	12.8	7		Stand cut with Cooks Grade Mix sale.
49	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	12.9	70		
51	4130 - Aspen	High Density Sapling	10.2	24		New stand added.
52	4112 - Maple, Beech, Cherry Association	Medium Density Pole	10.5	50	1-50	Stand was burned in spring 2011.
53	6122 - Black Spruce	High Density Pole	7.5	68		
55	6120 - Lowland Cedar	High Density Pole	49.5	70		New stand added.
56	4136 - Aspen, Mixed Conifer	Medium Density Pole	33.8	37		Former grass opening that had previous work done for opening maintenance.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	6122 - Black Spruce	High Density Pole	17.4	75		
58	4134 - Aspen, Spruce/Fir	High Density Pole	16.1	50		some mortality noticed in jack pine last time.
59	429 - Mixed Upland Conifers	High Density Sapling	11.4	7		Stand was cut with Cooks Grade Mix and TSI work completed.
60	6122 - Black Spruce	High Density Pole	10.6	54		narrow band of spruce along transition zone from high to low ground.
61	6120 - Lowland Cedar	High Density Pole	9.1	80		
62	6125 - Lowland Black Spruce, Jack Pine	High Density Sapling	18.6	15		
64	6112 - Lowland Aspen	High Density Sapling	11.3	25		formerly M4
65	6122 - Black Spruce	Low Density Pole	6.8	60		former D type
66	42210 - Natural Red Pine	High Density Log	4.0	78	141-170	Stand was thinned in 1998. Previous comments called for a regeneration harvest this time around.
67	429 - Mixed Upland Conifers	High Density Sapling	18.8	15		
68	429 - Mixed Upland Conifers	High Density Pole	20.5	65	81-110	Previous comments state this is a good red pine site. possibly look at converting NE portion to red pine.
69	42340 - Upland Spruce/Fir	Medium Density	7.3	6		Stand cut with Cooks Grade Mix Sale. 27 feet hemlock, 10 cedar, 2 white pine was residuals.
70	6122 - Black Spruce	High Density Pole	12.0	50		harvested in past. decent cedar regen almost pole size
71	6139 - Mixed Lowland Forest	High Density Sapling	10.8	15		Cut with Surrounded by Cedar Sale in 1999.
72	6127 - Lowland Pine	Low Density Log	13.7	75	1-50	Previous comments stated to look at pine for removal this time around.
73	429 - Mixed Upland Conifers	High Density Pole	16.5	83		Stand was held last time for age class distribution.
74	429 - Mixed Upland Conifers	High Density Pole	33.1	40		

Report 8 – Forested Stands

Compartment: 093
Year of Entry: 2016



S t a n d	Shingleton Mgt. Unit		Report 8 – Forested Stands			Compartment: 093	Year of Entry: 2016
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
75	6120 - Lowland Cedar	High Density Pole	149.5	98			
76	429 - Mixed Upland Conifers	High Density Sapling	4.4	36			previous comments state there is alot of cedar regen
77	4130 - Aspen	High Density Sapling	20.7	18			
78	429 - Mixed Upland Conifers	High Density Sapling	1.9	17			
79	42220 - Natural Jack Pine	High Density Pole	9.5	51			
80	4134 - Aspen, Spruce/Fir	High Density Pole	29.5	24			
81	4136 - Aspen, Mixed Conifer	High Density Pole	5.2	51			
82	429 - Mixed Upland Conifers	High Density Sapling	37.3	20			previous comments state stand regenerated to fir and cherry.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	6220 - Alder/willow	12.1	No	Unspecified	
11	6220 - Alder/willow	2.9	No	Unspecified	
12	6220 - Alder/willow	35.4	No	Unspecified	
16	622 - Lowland Shrub	16.7	Unspecified	Unspecified	
30	6220 - Alder/willow	15.5	No	Unspecified	
35	6220 - Alder/willow	6.9	Unspecified	Unspecified	non forest Stand swapped from Forested to Non-Forested.
50	622 - Lowland Shrub	24.7	Unspecified	Unspecified	
54	3105 - Mixed Upland Herbaceous	80.0	Plantation	Red Pine	Former Scotch Pine Plantation. Stand was cut in summer 2008, tops were chipped in 2010. Trenching occurred in 2011. Planting occurred in 2012. 2013 regen check was 685 red pine, 62 fir, 37 scotch pine. 3rd year regen check scheduled in 2015.
63	6220 - Alder/willow	2.3	No	Unspecified	