



**Shingleton Forest Management Unit
Compartment Review Presentation
Compartment #25 Entry Year: 2012
Compartment Acreage: 2465 County: Schoolcraft**

Revision Date: 9/23/2010

Stand Examiner: Bob Burnham

Legal Description: T44N R16W Sections 4-7

Identified Planning Goals ('Management Area' or 'RMU', if applicable): The compartment lies within the Seney Manistique Swamp Management Area.

Management Goals: The goals in this compartment include conducting multiple resource management for current and future generations. Forest Health, Recreation, Biodiversity Stewardship, Wildlife and Timber Management are some of the key management components within this compartment.

Soil and Topography: The soils in this compartment are predominantly peat soils associated with the large marsh complexes with scattered subtle sand ridges mixed throughout. The topography is very flat.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is almost entirely State owned. A 200 acre tract in sections 4 and 5 was acquired which locked ownership east of Haymeadow Creek.

Unique, Natural Features: Clinton's bulrush (*Scirpus clintonii*, state special concern) could occur along the North Branch Stutts Creek. In Michigan, this species occurs in intermittent wetlands and seasonally flooded riparian areas. The proposed management in this compartment should not be detrimental to the bulrush population as long as best management practices are followed along the riparian corridor. In addition, red-shouldered hawk (*Buteo lineatus*, state threatened) have been recorded nesting in the vicinity of this compartment and there is potential for this raptor to occur in stand of mixed swamp conifer and swamp hardwood. Wood turtle (*Clemmys insculpta*, state special concern) could occur in and along North Branch Stutts Creek, Bear Slough, West Branch Hickey Creek and Haymeadow Creek. More detailed information and Species Abstract are available on the web at <http://web4.canr.msu.edu/mnfi/>

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: All the stands in the compartment lying east of Haymeadow Creek are designated as Potential Old Growth.

Watershed and Fisheries Considerations: The whole Hickey Creek system, as well as the Stutts branches until they join in Section 17, are all classified SQCW for native brook trout. Once the Stutts branches join, however, the river is classified as SQWW.

Wildlife Habitat Considerations: This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. Growing season in this area is generally less than 100 days. The winter extreme low temperature is -46° F and the average annual snowfall is approximately 100 inches. Presettlement vegetation included marshes and swamps on the extensive lowlands and jack pine, red pine, and big-toothed aspen on the uplands. Wildfire was the prominent natural disturbance for this area. However, windthrow and beaver ponding were also factors. Currently, lowland marsh remains the dominant the feature in this

compartment. Most of the forested area within the western portion of this compartment has been clearcut in recent times. Timber types include jack pine, aspen, black spruce, fir, and lowland hardwoods. Forested areas in the eastern portion of the compartment are mature and covered by either swamp conifer or white birch. The wildlife habitat management objective for the eastern 2/3 of this compartment is to maintain old growth forest as part of a larger complex that extends to the south. The western 1/3 of the compartment will be managed for species dependent upon early successional forests. There is one rare plant (*Scirpus clintonii*) within the compartment. Several other rare plants are known to exist within a few miles of this compartment. A red-shouldered hawk has been documented within three miles of the compartment boundary. Wildlife species of interests either known or presumed to use this compartment include gray wolf, bobcat, moose, black-backed woodpecker, marsh wren, great-horned owl, and saw-whet owl.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton Limestone subcrops below the glacial drift. The Trenton is used for stone/dolomite. The nearest gravel pit is 5 miles to the west. There is limited gravel potential on State lands.

Vehicle Access: Vehicular access to the compartment is severely limited. There is no access east of Haymeadow Creek. The area between Haymeadow Creek and Stutts Creek has a couple roads, the main road which is the Haymeadow Creek Road is gated quite a ways south of the compartment, and the other roads are very poor two-tracks. There is no access to the area west of Stutts Creek, this area was accessed 10 years ago with a portable bridge.

Survey Needs: None

Recreational Facilities and Opportunities: There are no recreational facilities within the compartment and opportunities are severely limited due to the poor access.

Fire Protection: Fire response and protection to this area will be extremely challenging due to the lack of access.

Additional Compartment Information:

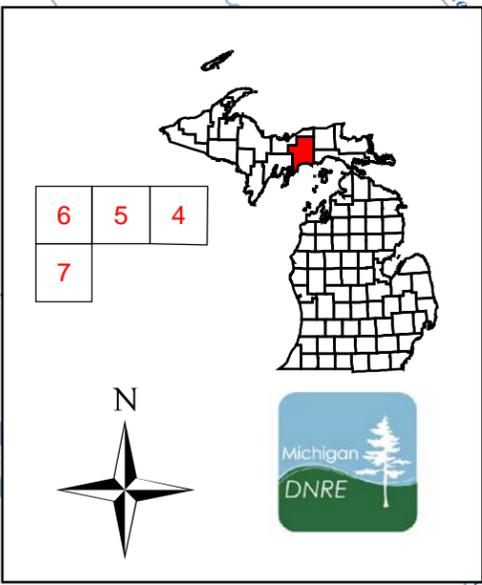
- **The following reports from the Inventory are attached:**
 - ◆ **Total Acres by Cover Type and Age Class**
 - ◆ **Proposed Treatment Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
 - ◆ **Dedicated and Proposed Special Conservation Areas**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand boundaries, cover types, and numbers**
 - ◆ **Proposed treatments**
 - ◆ **Details on the road access system**

Cover Type & Treatment Map

Compartment 25
 T44N, R16W, Sec. 4, 5, 6, 7
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2012
 Acres: 2,466 GIS Calculated
 Stand Examiner: Robert Burnham
 Map Revised: 9/29/2010
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Out of YOE Treatments

Forest Stands

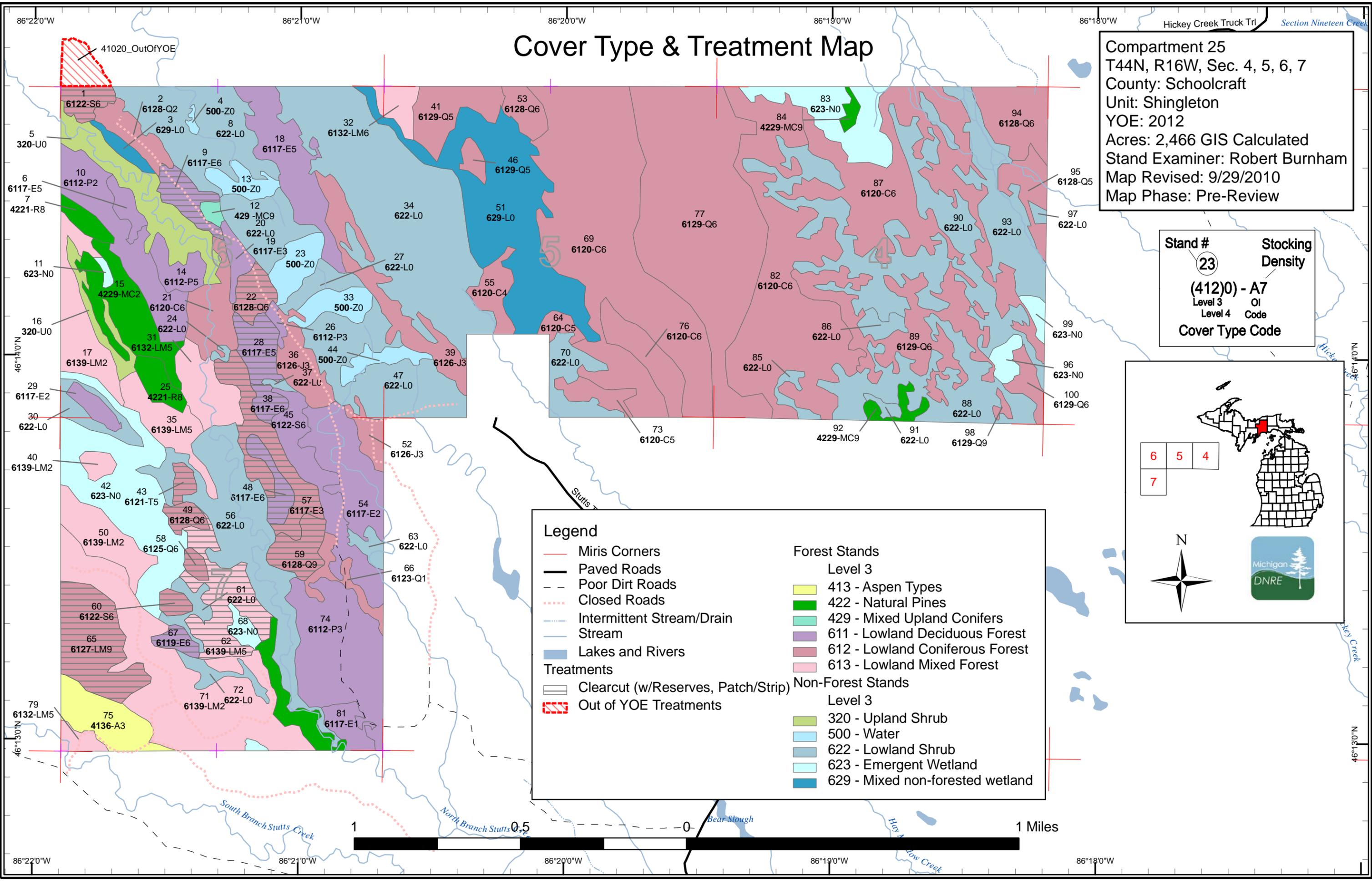
Level 3

- 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

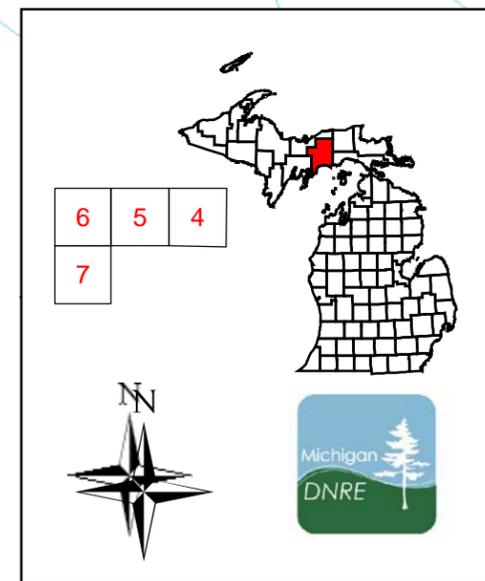
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



Dedicated & Proposed Special Conservation Area Map

Compartment 25
 T44N, R16W, Sec. 4, 5, 6, 7
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2012
 Acres: 2,466 GIS Calculated
 Stand Examiner: Robert Burnham
 Map Revised: 9/29/2010
 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
- Proposed Special Conservation Areas
 - ▨ SCA - Special Conservation Area
 - ▨ SCA Removal
- Dedicated Special Conservation Areas
- Cold Water Streams
- ▭ Stand Boundaries

Forest Stands

- Level 3
- 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
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

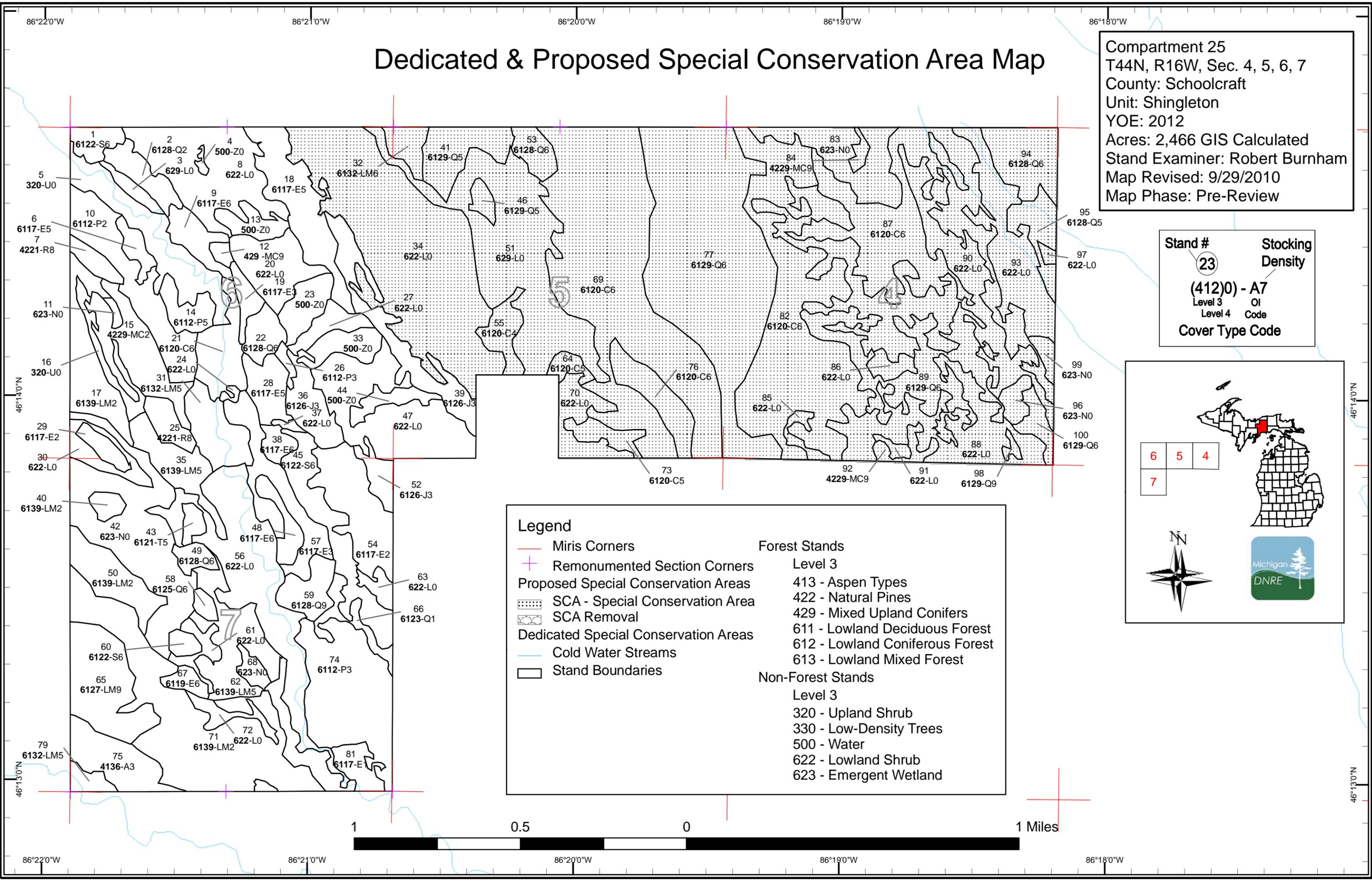


Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneren Age
Aspen	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	23
Cedar	0	0	0	0	0	0	0	0	0	97	11	173	0	171	0	452
Jack Pine	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	54
Lowland Aspen/Balsam Poplar	0	38	0	62	0	0	0	10	0	0	0	0	0	0	0	110
Lowland Conifers	0	0	0	21	0	0	0	0	57	77	45	29	157	0	0	386
Lowland Deciduous	0	0	0	81	0	6	12	36	33	0	0	0	0	0	6	173
Lowland Mixed Forest	0	4	96	0	0	0	0	32	19	0	14	20	0	0	49	235
Lowland Shrub	716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	716
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	32	8	0	0	0	0	0	41
Marsh	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Natural Mixed Pines	0	31	0	0	0	0	0	19	0	0	3	0	0	0	0	53
Red Pine	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Tamarack	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Upland Shrub	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Water	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Total	916	74	120	219	0	6	12	97	160	182	73	222	159	171	55	2466



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Shingleton Mgt. Unit
Year of Entry 2012

Compartment 025
Total Compartment Acres: 2466

Acres by Treatment Type

Commercial Harvest - 192	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Conifers	71	0	0	0	0	0	71
Lowland Deciduous	44	0	0	0	0	0	44
Lowland Mixed Forest	32	0	0	0	0	0	32
Lowland Spruce/Fir	41	0	0	0	0	0	41
Tamarack	4	0	0	0	0	0	4
Total	192	0	0	0	0	0	192



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1 41025001-Cut	8.2	6122 - Black Spruce	High Density Pole	83	Harvest	Clearcut with Reserves	Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand and put retention on west edge excluded with paint line.								
<u>Specs:</u>								
<u>Other</u> Treat with stands 1 and 2 in Compartment 20 which are adjacent. Access is poor and will be winter only.								
<u>Comments:</u>								
<u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site.								
9 41025009-Cut	11.9	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	59	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Manage for the current species mix. Retain all hemlock, cedar and some pine for a seed source.								
<u>Specs:</u>								
<u>Other</u> Access is likely winter only due to poor roads.								
<u>Comments:</u>								
<u>Next Steps:</u> --Robert Burnham : 10/22/2010 comments: Acceptable regeneration is a mix of the current species on-site.								
22 41025022-Cut	9.7	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	82	Harvest	Clearcut with Reserves	Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand and retain all cedar, hemlock and a seed source of red and white pine.								
<u>Specs:</u>								
<u>Other</u> Access is poor and likely winter only.								
<u>Comments:</u>								
<u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site.								
28 41025028-Cut	13.6	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	77	Harvest	Clearcut	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Stand is low and poor quality and poorly stocked. Consider treating due to the adjacent stands being harvested. The stand has been picked at in the 80's when adjacent stands were cut. The sporadic cedar within stand is not providing any benefit to wildlife and should be considered for harvest. Retention should occur on south end near the drain.								
<u>Specs:</u>								
<u>Other</u> Access is poor and will likely be winter only.								
<u>Comments:</u>								
<u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site.								
38 41025038-Cut	5.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	72	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand and manage for current species mix. Cedar is young and healthy and can be left. Put retention on north end along drain between stand 28.								
<u>Specs:</u>								
<u>Other</u> Access is poor and will likely be winter only.								
<u>Comments:</u>								
<u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site.								

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45 41025045-Cut	28.5	6122 - Black Spruce	High Density Pole	79	Harvest	Clearcut with Reserves	Black Spruce	Cmpt. Review Proposal

Prescription: Harvest stand, put retention on the north end where the cedar exists.

Specs:

Other Comments: Stand has poor access which will likely be winter only.

Next Steps:

No follow up site prep, acceptable regen will be a mix of the current species on-site.

Steps:

48 41025048-Cut	8.5	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	78	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
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Prescription: Clearcut stand, leave retention along west edge, excluded with red line. Retain cedar as well as a pine seed source.

Specs:

Other

Comments:

Next Steps: No follow up site prep, acceptable regen will be a mix of the current species on-site.

Steps:

59 41025059-Cut	13.5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	86	Harvest	Clearcut with Reserves	Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
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Prescription: The stand has a major inclusion of hemlock and cedar in the center of the stand, cut only what is needed for access to cut all other species.

Specs: Retains some white pine for seed.

Other

Comments:

Next Steps: No follow up site prep, acceptable regen will be a mix of the current species on-site.

Steps:

**Total Treatment
Acreage Proposed: 99.4**



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
43	41025043-Cut	4.1	6121 - Tamarack	Medium Density Pole	79	Harvest	Clearcut	Tamarack	Cmpt. Review Proposal
<p><u>Prescription</u> Stand is very low quality but consider harvesting what can be accessed if bridge is placed due to adjacent stands being harvested. <u>Specs:</u> <u>Other Comment:</u> No retention <u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site. <u>Limiting Factor and No Treatment Reason</u> 2B: Bridge Needed Bridge needed across Stutts Creek (40')</p>									
49	41025049-Cut	5.5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	75	Harvest	Clearcut with Reserves	Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> Bridge is needed to cut stand, if a bridge is placed final harvest this island and manage for current species mix, retain a few pine seed trees only. <u>Specs:</u> <u>Other Comment:</u> <u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site. <u>Limiting Factor and No Treatment Reason</u> 2B: Bridge Needed Bridge across Stutts Creek needed (40')</p>									
58	41025058-Cut	3.2	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	75	Harvest	Clearcut	Lowland Black Spruce, Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Bridge across the Stutts is needed to harvest stand if placed harvest stand and manage for mix of the current species with no retention. <u>Specs:</u> <u>Other Comment:</u> <u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site. <u>Limiting Factor and No Treatment Reason</u> 2B: Bridge Needed Bridge needed across Stutts Creek (40')</p>									
60	41025060-Cut	3.9	6122 - Black Spruce	High Density Pole	75	Harvest	Clearcut	Black Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> If bridge is placed harvest island and manage for current species mix, no retention. <u>Specs:</u> <u>Other Comment:</u> <u>Next Steps:</u> No follow up site prep, acceptable regen will be a mix of the current species on-site. <u>Limiting Factor and No Treatment Reason</u> 2B: Bridge Needed Bridge needed over Stutts Creek (40')</p>									



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
62	41025062-Cut	31.7	6139 - Mixed Lowland Forest	Medium Density Pole	65	Harvest	Clearcut with Reserves	Mixed Lowland Forest	Cmpt. Review Proposal

Prescription Bridge is needed to harvest stand, manage for current species mix. retention should be exclusions of poorly stocked areas.

Specs:

Other

Comment:

Next Steps: No follow up site prep, acceptable regen will be a mix of the current species on-site.

Limiting Factor and No Treatment Reason 2B: Bridge Needed

65	41025065-Cut1	38.7	6127 - Lowland Pine	High Density Log	72	Harvest	Clearcut with Reserves	Lowland Pine	Cmpt. Review Proposal
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Prescription Stand has a nice component of red pine. Due to access issues final harvest stand and manage for the current species mix, leave 10-20 square feet of pine for seed as well as any cedar and hemlock.

Specs:

Other

Comment:

Next Steps: No follow up site prep, acceptable regen will be a mix of the current species on-site.

Limiting Factor and No Treatment Reason 2B: Bridge Needed
Bridge across Stutts Creek needed (40')

67	41025067-Cut	5.0	6119 - Mixed Lowland Deciduous Forest	High Density Pole	70	Harvest	Clearcut	Mixed Lowland Deciduous Forest	Cmpt. Review Proposal
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Prescription Bridge is needed to harvest stand, manage for current species mix, no retention.

Specs:

Other

Comment:

Next Steps: No follow up site prep, acceptable regen will be a mix of the current species on-site.

Limiting Factor and No Treatment Reason 2B: Bridge Needed
Bridge needed across Stutts Creek (40')

**Total Treatment
Acreage Proposed: 92.1**



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41039_OutOfY OE-Cut	14.6				Harvest	Clearcut with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Cut all trees except hemlock and oak. Leave a few red pine and white pine for seed.								
<u>Specs:</u>								
<u>Other Comments:</u> Access to this stand will involve the installation of a temporary bridge. This could be built and placed by the logger west of this stand. Winter harvest may be needed. Survey work may be needed. There is a creek / drainage located in southern part of stand, it runs east/west. Buffer 50 feet. Buffer Smith creek 100 feet. These will be the retention areas. East edge of stand has some cedar. Cedar can be cut, but sale boundary should exclude the very dense patches.								
<u>Next Steps:</u> Plant red pine on ridges to maintain component. Low ground should regenerate to mixed species. Acceptable management objectives includes any species mixture currently found onsite.								
41049_OutOfY OE-Cut	15.3				Harvest	Single Tree Selection	Natural Red Pine	Cmpt. Review Proposal
<u>Prescription:</u> Cut all species except red pine ,oak, white pine, and hemlock. Red pine and white pine should be marked. Create regeneration holes where available and thin thicker areas of poles.								
<u>Specs:</u>								
<u>Other Comments:</u> See MNFI comments. Winter harvest will be needed due to road conditions into treatment area. Buffer on Walsh Ditch should be placed at the bottom of spoils. Protect existing red pine and white pine regeneration.								
<u>Next Steps:</u> Natural regeneration of red pine, jack pine, and white pine is acceptable. Plant red pine if regeneration fails.								
41088_OutOfY OE-Cut	2.3				Harvest	Shelterwood	Natural Red Pine	Cmpt. Review Proposal
<u>Prescription:</u> Mark red pine and white pine to 50 sq. ft. basal area to thicken crowns and prepare for regeneration harvest next year of entry. Cut all other species except hemlock and oak.								
<u>Specs:</u>								
<u>Other Comments:</u> Set up treatment as soon as it is approved at compartment review in order to combine it into one timbersale with Comparment 88, stand 43. No additional retention, small stand.								
<u>Next Steps:</u> Evaluate stand next year of entry for possible regeneration harvest. Try to maintain management objective of natural red pine.								
41118_OutOfY OE_1-Cut	8.6				Harvest	Crown Thinning	Natural Red Pine	Cmpt. Review Proposal
<u>Prescription:</u> Cut all Jack Pine and mark Red and White Pine to 90 BA								
<u>Specs:</u>								
<u>Other Comments:</u> Cut with stand 34 comp 117								
<u>Next Steps:</u>								
41179_OutOfY OE-Cut	4.2				Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> Cut to 80 SF using selection system. Release crop trees using the complete marker as a guide, mark for best tree in place. This stand has some species variation across it, thin to improve diversity favor retention of mesic conifers. In areas of beech use beach bark marking guidelines. Place gaps in areas of less shade tolerant species. Cut aspen clones for aspen regeneration. Leave some single aspen trees where possible for soft snags.								
<u>Specs:</u>								
<u>Other Comments:</u> Acceptable regeneration is a mix of hardwood species including Sugar maple, Red maple, Basswood, Black Cherry, Yellow Birch, Aspen, White Birch, Hemlock and White Pine								
<u>Next Steps:</u>								
Total Treatment Acreage Proposed:		45.1						

Shingleton Mgt. Unit

5 – Forested Stands

Compartment: 025

Data updated before 2:00 PM

Year of Entry: 2012



Stand	Shingleton Mgt. Unit		5 – Forested Stands		Compartment: 025	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
						General Comments:
1	6122 - Black Spruce	High Density Pole	8.2	83		
2	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density	12.1	24		
6	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	6.3	49		
7	42210 - Natural Red Pine	Medium Density Log	6.2	75		
9	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	11.9	59		
10	6112 - Lowland Aspen	Medium Density	37.9	9		
12	429 - Mixed Upland Conifers	High Density Log	2.4	115		
14	6112 - Lowland Aspen	Medium Density Pole	10.3	68		
15	42290 - Natural Mixed Pine	Medium Density	31.3	9		
17	6139 - Mixed Lowland Forest	Medium Density	27.5	Uneven Age		
18	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	35.8	68		Many pockets of L due to the low wet ground.
19	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	6.3	24		
21	6120 - Lowland Cedar	High Density Pole	20.1	105		
22	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.7	82		
25	42210 - Natural Red Pine	Medium Density Log	8.8	75	111-140	
26	6112 - Lowland Aspen	High Density Sapling	2.2	24		
28	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	13.6	77		

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Shingleton Mgt. Unit

5 – Forested Stands

Data updated before 2:00 PM

Compartment: 025
Year of Entry: 2012

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	5.9	Uneven Age		
31	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	20.1	105		
32	6132 - Mixed Lowland Forest with Cedar	High Density Pole	8.7	98		
35	6139 - Mixed Lowland Forest	Medium Density Pole	19.5	79		
36	6126 - Lowland Jack Pine	High Density Sapling	16.3	24		
38	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.4	72		
39	6126 - Lowland Jack Pine	High Density Sapling	30.1	23		Everything except tag alder is canopy, North end and fringes are heavy to spruce and tamarack mix of upland and low ground
40	6139 - Mixed Lowland Forest	Medium Density	4.4	9		
41	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	21.6	102		Two aged old cedar poor quality Tamarack is nearly dead. West side of this stand is lower productivity, stunted trees.
43	6121 - Tamarack	Medium Density Pole	4.1	79		
45	6122 - Black Spruce	High Density Pole	28.5	79		
46	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	4.2	97		White birch is dying out and cedar is also
48	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.5	78		
49	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.5	75		
50	6139 - Mixed Lowland Forest	Medium Density	21.4	Uneven Age		
52	6126 - Lowland Jack Pine	High Density Sapling	7.7	24		
53	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.4	76		2 aged stand with white pine supercanopy, mix of upland ground but mostly low. heavy pocket of black spruce on east edge. white birch dying out.

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Shingleton Mgt. Unit

5 – Forested Stands

Data updated before 2:00 PM

Compartment: 025
Year of Entry: 2012

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	34.2	24		
55	6120 - Lowland Cedar	Low Density Pole	11.5	95		Stand is essentially the Headwaters to Haymeadow Creek.
57	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	31.3	26		
58	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	3.2	75		
59	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	13.5	86		
60	6122 - Black Spruce	High Density Pole	3.9	75		
62	6139 - Mixed Lowland Forest	Medium Density Pole	31.7	65		
64	6120 - Lowland Cedar	Medium Density Pole	4.8	109		
65	6127 - Lowland Pine	High Density Log	38.7	72	81-110	
66	6123 - Lowland Fir	Low Density Sapling	9.3	24		
67	6119 - Mixed Lowland Deciduous Forest	High Density Pole	5.0	70		
69	6120 - Lowland Cedar	High Density Pole	170.7	142		Very old poor quality stand with a lot of mortality due to age and poor site conditions.
71	6139 - Mixed Lowland Forest	Medium Density	96.3	10		
73	6120 - Lowland Cedar	Medium Density Pole	8.4	107		Very low quality stand with lots of mortality due to age and water stress.
74	6112 - Lowland Aspen	High Density Sapling	60.0	24		
75	4136 - Aspen, Mixed Conifer	High Density Sapling	23.4	11		
76	6120 - Lowland Cedar	High Density Pole	18.8	107		

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Shingleton Mgt. Unit

5 – Forested Stands

Compartment: 025

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
77	6129 - Mixed Coniferous Lowland Forest	High Density Pole	156.9	111		Poor quality stand, soils are full of hummocks.
78	42290 - Natural Mixed Pine	Medium Density Pole	13.7	65		
79	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	5.1	90		
81	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Sapling	9.1	24		
82	6120 - Lowland Cedar	High Density Pole	121.2	105		Stand is wet with poor quality due to poor site. Heavy underbrush. Stand has some pine ridge pockets that are small to type out, these mainly occur on the north and west.
84	42290 - Natural Mixed Pine	High Density Log	2.6	95		Stand is a small ridge of pine with cedar on the fringes.
87	6120 - Lowland Cedar	High Density Pole	96.9	82		Stand is decent quality cedar with ridges of spruce, fir, birch.
89	6129 - Mixed Coniferous Lowland Forest	High Density Pole	53.7	81		Stand is has subtle ridges of spruce, birch and pine which is connected by low ground cedar, spruce and tamarack. Cedar is very variable in size class. Majority of pine is supercanopy.
92	42290 - Natural Mixed Pine	High Density Log	5.4	69		Stand is a heavily stocked narrow ridge of pine. Cedar on edges and black spruce mixed throughout.
94	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	24.7	97		Subtle ridges with low ground between, low to the west.
95	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	14.1	95		Stand is lower quality due to all the water that is in the area and flows through the stand.
98	6129 - Mixed Coniferous Lowland Forest	High Density Log	1.6	99		
100	6129 - Mixed Coniferous Lowland Forest	High Density Pole	7.5	105		



Stand	Cover Type	Acres	Gen Cmts:
3	629 - Mixed non-forested wetland	4.7	
4	50 - Water	1.1	
5	320 - Upland Shrub	35.8	
8	622 - Lowland Shrub	54.4	
11	623 - Emergent Wetland	1.5	
13	50 - Water	8.9	
16	320 - Upland Shrub	9.5	
20	622 - Lowland Shrub	24.3	
23	50 - Water	12.5	
24	622 - Lowland Shrub	1.2	
27	622 - Lowland Shrub	9.1	
30	622 - Lowland Shrub	9.7	
33	50 - Water	11.4	
34	622 - Lowland Shrub	146.4	
37	622 - Lowland Shrub	1.3	
42	623 - Emergent Wetland	65.8	
44	50 - Water	7.7	
47	622 - Lowland Shrub	56.5	



Stand	Cover Type	Acres	Gen Cmts:
51	629 - Mixed non-forested wetland	95.2	New stand added.
56	622 - Lowland Shrub	71.2	
61	622 - Lowland Shrub	6.7	
63	622 - Lowland Shrub	4.8	
68	623 - Emergent Wetland	4.5	
70	622 - Lowland Shrub	16.6	
72	622 - Lowland Shrub	6.5	
80	623 - Emergent Wetland	1.1	
83	623 - Emergent Wetland	30.8	
85	622 - Lowland Shrub	4.2	
86	622 - Lowland Shrub	5.4	New stand added.
88	622 - Lowland Shrub	149.7	
90	622 - Lowland Shrub	3.3	
91	622 - Lowland Shrub	2.2	New stand added.
93	622 - Lowland Shrub	41.3	
96	623 - Emergent Wetland	5.7	New stand added.
97	622 - Lowland Shrub	1.5	
99	623 - Emergent Wetland	3.7	

**7 – 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.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
multiple - see	Unique Site - SCA	41025-SCA	1248.4	This Area of Interest was first flagged in 1997 as a possible selection for potential old growth stands, the area has since carried forward and is in the process of being blended into the Biodiversity Stewardship Area planning process, and is currently being considered for inclusion into the Creighton River Wetland Complex. A more complete set of goals and objectives will come as the planning process progresses.



8 – 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.

Data updated before 2:00 PM

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

Conservation Area	Type	Description
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.