



**SHINGLETON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 126 ENTRY YEAR: 2009

Compartment Acreage: 3646 County: Schoolcraft

Revision Date: 11/19/07

Stand Examiner: K. Matson, A. Petrelius

Legal Description: T47N, R14W, sec. 25-27, 34-36

RMU (if applicable):

Management Goals: To maintain the large opening complexes for a suite of wildlife species dependant upon this type of habitat; and to provide sustainable forest eco-system management.

Soil and Topography: Rubicon Sand, 0-6% slopes

Ownership Patterns, Development, and Land Use in and Around the Compartment: There are two privately owned camps within the compartment, some private and industrial private land to the south, otherwise surrounded by state owned land.

Unique, Natural Features (include only non-site specific and non-sensitive information): Currently under review by MNFI.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Old logging camp within the compartment.

Special Management Designations or Considerations: none

Watershed and Fisheries Considerations: No fisheries concerns.

Wildlife Habitat Considerations: Located approximately 5 miles northwest of Seney, the Sunken Lake Road bisects this compartment. Pre-settlement data show white pine, red pine, and beech dominated the virgin forests. Red maple, yellow birch, white birch, and hemlock were also common. Surveyors noted large amounts of dead fallen and blown over trees. Mountain ash was a common understory species.

Current land cover is significantly different from the circa 1850 forests. Now, the land is a composite of large openings, jack pine and red pine plantations, and a smattering of aspen, white pine, and oak.

This area lies within the defined corridor for large opening complexes. As such, the primary wildlife habitat objectives are to consolidate the large openings and the forest blocks making both of these systems more valuable to their respective suites of species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Groups subcrop below the glacial drift. The Trenton and Black River are quarried for stone/dolomite elsewhere in the UP. Gravel pits are not found in the general area, but there could be some potential. There is no commercial oil and gas production in the UP.

Vehicle Access: Good access; trail roads throughout the compartment.

Survey Needs: none

Recreational Facilities and Opportunities: Although there are no developed DNR recreational facilities within the compartment, the area is used for hunting, blueberry picking, ATV riders, and snowmobiling.

Fire Protection: Pine species and large openings dominate the landscape. Level terrain and numerous roads make the area easily accessible.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

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

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 126

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	151																										151
S Black Spruce		43																									43
G Grass					287																						287
J Jack Pine					191		1042																				1233
O Oak														8													8
R Red Pine							143								1409												1552
W White Pine																										372	372
Total	151	43			478		1185							8	1409											372	3646

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: **126**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1945 Cds	Hardwood	778 Cds
Softwood	14297 Cds	Softwood	1358 Cds
Softwood	1818 Mbf	Softwood	232 Mbf
Sum TotVol	19878 Cds	Sum CutVol	2600 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	392
3646			

SHINGLETON FOREST AREA

Proposed Treatments
With NO Limiting Factors

Compartment: 126 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
1	R6	3	58	50	red pine	immature	shelterwood-prep	2		
comnts Fmd : 1999: Cut with Cmp 127 adjacent stand 2009: Small stand; cut with adjacent stand 84 in c.127 (YOE 2008). Shelterwood-prep; thin to 40-50 BA of mixed red and white pine. Leave all oak, and any other species needed for retention. Soil=Rubicon sand										
7	J2	73	19	48	grass	immature		0	opening maintenance	
comnts Fmd : Convert to grass - part of large opening complex. Cut all trees except paper birch and oak. Scattered merchantable trees include: jack pine, red pine, white pine, aspen, red maple and paper birch (91/2). Soil=Rubicon Sand 0-6% slopes Wld : As part of the over-all effort to consolidate the large openings within the core open land corridor, this stand will be converted to grass in exchange for converting stand 68 into plantation jack pine and allowing an additional ~ 40 acres to convert to natural pine. Those natural pine acres have been added to Stand 67.										
8	R6	8	44	47	jack pine	immature	final harvest	1	planting	
comnts Fmd : Planted RP with variable BA due to poor row integrity. Clearcut and plant to Jack Pine. Mark 10-20 BA of leave trees for retention, leaving representatives of all species currently on site. Ground cover under the trees consists of blueberry and brackenfern; in open areas it consists mainly of grass and lichens. Regeneration is sparse - some red, white and jack pine, aspen and red maple. 35/2=white and jack pine soil=Rubicon Sand 0-6% slopes Habitat Type=PVE										
9	R6	10	44	47	jack pine	immature	final harvest	1	planting	
comnts Fmd : Planted RP with variable BA due to poor row integrity. Clearcut and plant to Jack Pine. Mark 10-20 BA of leave trees for retention, leaving representatives of all species currently on site. Ground cover under the trees consists of blueberry and brackenfern; in open areas it consists mainly of grass and lichens. Regeneration is sparse - some red, white and jack pine, aspen and red maple. 35/2=white and jack pine soil=Rubicon Sand 0-6% slopes Habitat Type=PVE										
10	R6	10	44	47	jack pine	immature	final harvest	1	planting	
comnts Fmd : Planted RP with variable BA due to poor row integrity. Clearcut and plant to Jack Pine. Mark 10-20 BA of leave trees for retention, leaving representatives of all species currently on site. Ground cover under the trees consists of blueberry and brackenfern; in open areas it consists mainly of grass and lichens. Regeneration is sparse - some red, white and jack pine, aspen and red maple. 35/2=white and jack pine soil=Rubicon Sand 0-6% slopes Habitat Type=PVE										
39	R6	3	59	53	red pine	immature	thinning	1		
comnts Fmd : Natural red pine stand. Thin to 100 sq. ft. basal area. Make sure to keep equipment operation in mind when marking stand. If needed stand can be marked to a lower basal area. Soils: Rubicon Sand Retention: Do not cut hemlock and oak. Mark red pine and white pine to cut.										
46	R6	91	59	53	red pine	immature	thinning	2		
comnts Fmd : Stand was sold last year of entry but never cut. Both orange and yellow paint are present, so marking may need to be in a different color. Basal area is inconsistent with patches of red pine throughout stand. Stand could benefit from a light thinning. Thin higher densities of pine where needed. Retention: Do not cut hemlock and oak. Mark red pine and white pine to cut. Cut all other species. The southern finger of the stand should be saved as a retention patch. Soils: Rubicon Sand										
47	R6	3	43	50	red pine	immature	thinning	2		
comnts Fmd : Small red pine plantation adjacent to a larger stand that is scheduled. Row thinning. Retention: Cut only trees in designated rows. Do not cut hemlock and oak. Soils: Rubicon Sand										
49	R4	47	43	47	jack pine	sparse	final harvest	1	planting	
comnts Fmd : Previous inventory called this stand grass. It is a failed red pine plantation with old furrows and scattered 40 to 50 year old red pine and jack pine present. Most of the volume present is along the edges, but there are some islands of jack pine and red pine in the middle. Stand is a poor quality red pine site. It should be cut, trenched, and planted to jack pine. Soils: Rubicon Sand										

SHINGLETON FOREST AREA

Proposed Treatments
With NO Limiting Factors

Compartment: 126 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
50	R9	25	59	53	red pine	immature	thinning	1		
comnts Fmd : Natural red pine stand. Basal area is inconsistent and pine occurs in clumps. Thin to 100 sq. ft. basal area. Equipment operability should be taken in consideration when marking since this is a natural stand and a lower basal area is acceptable if needed.										
Retention: Leave a 3% retention patch. Cut all other species except oak and hemlock. Red pine and white pine may need to be marked in a paint color other than orange and yellow since both colors of paint were observed within the stand.										
Soils: Rubicon Sand										
56	W4	6	47	50	white pine	sparse	final harvest	2	opening maintenance	
comnts Fmd : Former grass stand that is filling in. A small amount of merchantable wood exists in this stand and should be sold with adjacent timbersale. Inmates will be needed afterwords for non-merchantable trees. Do not cut hemlock and oak. Soils: Rubicon Sand										
66	J4	118	43	50	grass	sparse	final harvest	2	opening maintenance	
comnts Fmd : Stand is a mixture of jack pine, red pine, aspen, hardwood, and grass islands. Some of these trees are 40 to 60 years old. All cover types were lumped together during inventory last year of entry and the entire stand was called grass. Instead of managing these islands of timber individually the entire stand will be clearcut and converted to grass. Commercial wood should be lumped together with adjacent timbersale. Inmates will be needed for opening maintenance on non-merchantable trees. Do not cut hemlock and oak. Soils: Rubicon Sand										
Wld : Although this stand has historically be typed as a grass stand, jack pine, white pine and aspen are encroaching. The current prescription is to harvest the merchantable wood and restore the open character of the stand. However, the habitat type (PARV) of this stand will make it difficult to maintain over the decades. Therefore, should an opportunity present itself, WLD would be open to the concept of converting this stand to a forested system in exchange for removing timber from a less productive site with the Opening Complex Corridor.										
68	R4	45	48	48	jack pine	sparse	final harvest	1	planting	
comnts Fmd : Previously typed as grass; part of a project consolidating open areas and treed areas. Clearcut and machine plant to Jack Pine. Mark 10-20 BA of leave trees for retention, leaving representatives of all species currently on site. Soil=Rubicon Sand 0-6% slopes Habitat Type=PVE										
Wld : In an effort to consolidate openings with the Opening Complex Corridor, this stand of 10 acre stirps will be converted to plantation jack pine in partial exchange for converting stand seven into a grass type.										
81	R4	23	48	48	jack pine	sparse	final harvest	1	planting	
comnts Fmd : Originally planted in 1959, with extremely poor survival. Clearcut and machine plant to Jack Pine. Mark 10-20 BA of leave trees for retention, leaving representatives of all species currently on site. Soil=Rubicon Sand 0-6% slopes Habitat Type=PVE										
Wld : This stand was previously typed out as grass. On-the-ground inspection reveals that it is infact a failed plantation. WLD will not object to FMFMs desire to replant this stand to jack pine.										
401	G0	3		50	grass	nonstocked		0	opening maintenance	
comnts Fmd : Opening maintenance - remove all trees except oak. Soil=Rubicon Sand, 0-6% slopes Habitat Type=PVE										
Wld : This area is within the Openland Corridor. Grass types will be maintained to provide for species such as sharp-tailed grouse, merlins, blue birds, etc...										
407	G0	5		50	grass	nonstocked		0	opening maintenance	
comnts Fmd : Opening maintenance - remove all trees except oak. See wildlife comments. Soil=Rubicon Sand, 0-6% slopes Habitat Type=PVE										
Wld : This area is within the Openland Corridor. Grass types will be maintained to provide for species such as sharp-tailed grouse, merlins, blue birds, etc...										
408	G0	10		50	grass	nonstocked		0	opening maintenance	
comnts Fmd : Opening maintenance - remove all trees except oak. See wildlife comments. Soil=Rubicon Sand, 0-6% slopes Habitat Type=PVE										
Wld : This area is within the Openland Corridor. Grass types will be maintained to provide for species such as sharp-tailed grouse, merlins, blue birds, etc...										

SHINGLETON FOREST AREA

**Proposed Treatments
With NO Limiting Factors**

Compartment: 126 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
409	G0	7		50	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Opening maintenance - remove all trees except oak. See wildlife comments. Soil=Rubicon Sand, 0-6% slopes Habitat Type=PVE</p> <p>Wld : This area is within the Openland Corridor. Grass types will be maintained to provide for species such as sharp-tailed grouse, merlins, blue birds, etc...</p>										
413	G0	164		50	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Southeast part of the stand was burned in a wildfire. Opening maintenance; cut all trees except Oak. See wildlife comments. Soil=Rubicon Sand, 0-6% slopes Habitat Type=PVE</p> <p>Wld : This area is within the Openland Corridor. Grass types will be maintained to provide for species such as sharp-tailed grouse, merlins, blue birds, etc...</p>										
Total Acres.....		654								

**Proposed Treatments
With Limiting Factors**

Compartment: 126

Entry Year: 2009

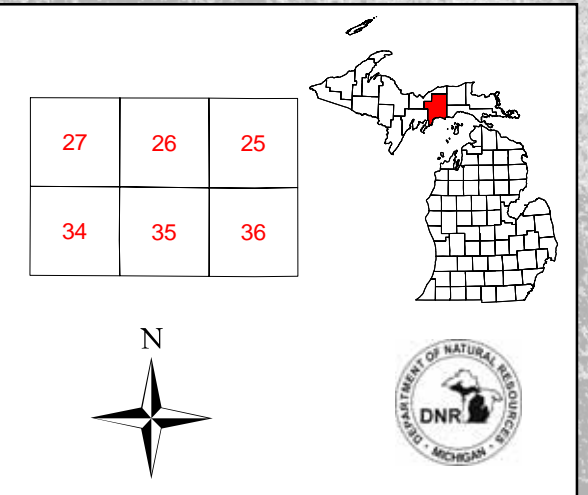
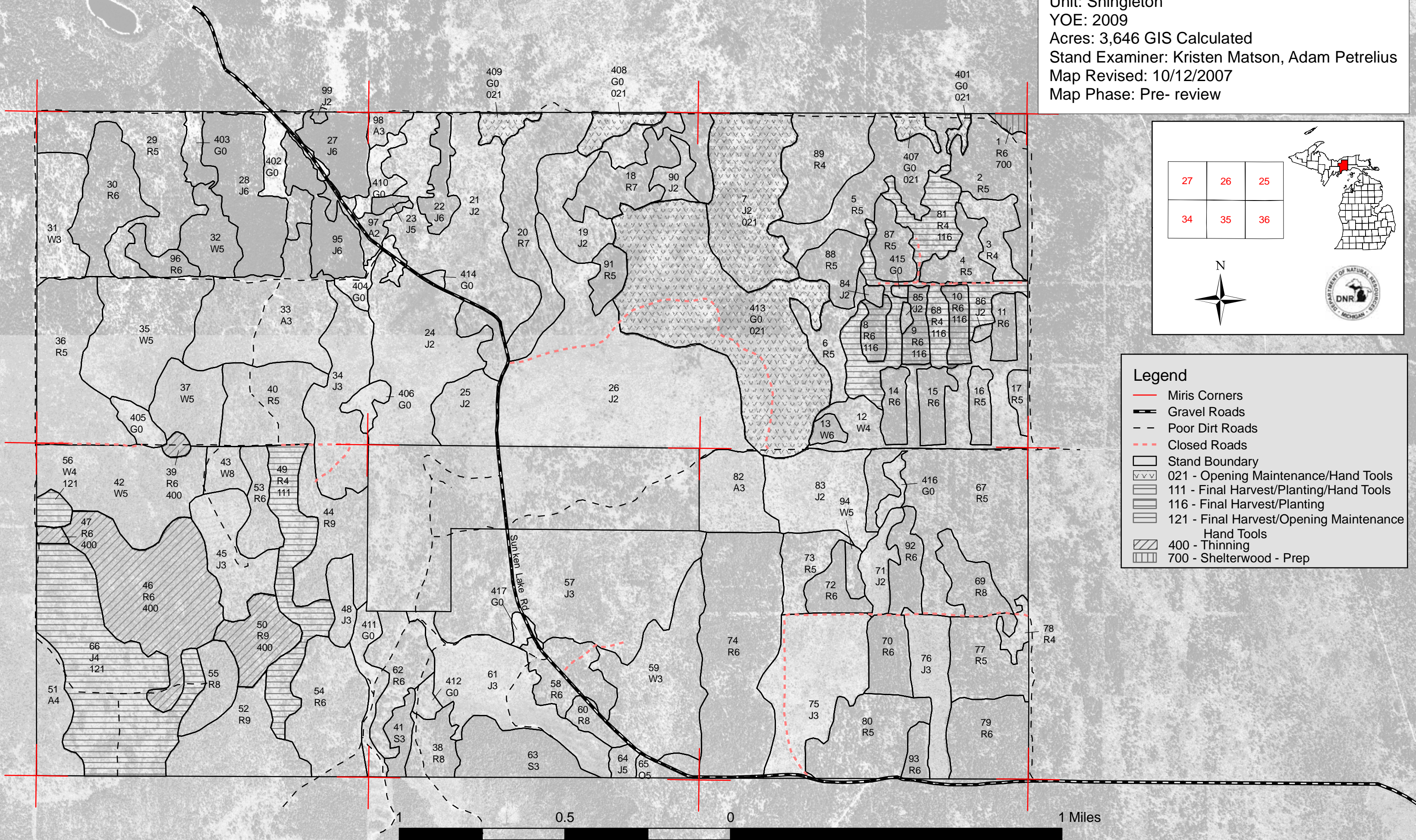
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 126
 T47N, R14W, Sec. 25-27, 34-36
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2009
 Acres: 3,646 GIS Calculated
 Stand Examiner: Kristen Matson, Adam Petrelus
 Map Revised: 10/12/2007
 Map Phase: Pre- review



Legend

- Miris Corners
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Stand Boundary
- 021 - Opening Maintenance/Hand Tools
- 111 - Final Harvest/Planting/Hand Tools
- 116 - Final Harvest/Planting
- 121 - Final Harvest/Opening Maintenance Hand Tools
- 400 - Thinning
- 700 - Shelterwood - Prep

