



**SHINGLETON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 83 ENTRY YEAR: 2007

Compartment Acreage: 1918 County: Schoolcraft

Revision Date: 9/22/2005

Stand Examiner: Robert Burnham

Legal Description: T41N R17W Sections 24, 25 & 36

RMU (if applicable):

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

Soil and Topography: The soils in Schoolcraft County are currently being mapped by the Soil Survey. Preliminary soils information including Habitat Types can be found in the specific stand comments. In general, the soils are very well drained sandy soils as well as some organic soils along Dufour Creek and the Cedar Types. The terrain in the area is flat to rolling. The compartment lies within 2 different Land Type Association's (LTA's). The north and western portion of the compartment lie within the Cooks Outwash LTA and the south and western portion of the compartment lie within the Garden Wetland/Outcrop LTA.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Ownership within the compartment is an entirely contiguous block of State land. The compartment is bisected by 2 Gas Pipelines, several Power lines and the Wisconsin Central Railroad. Illegal Dumping is an inherent problem throughout the entire compartment and several duplicate roads are being proposed for closure to try and prevent this illegal activity.

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

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None known.

Special Management Designations or Considerations: There are several large blocks of grass that are maintained through prescribed fire to keep the areas open in nature for several wildlife species.

Watershed and Fisheries Considerations: Dufour Creek is found in this compartment and is classified as cold-water. Past fishery surveys have documented both brook and brown trout in this system. BMP's should be followed as protection from increased sand bedload is a priority.

Wildlife Habitat Considerations: This compartment is located on the eastern edge of the Thompson plains. The majority of the compartment is upland sandy plains. The original surveyor's notes indicate that the pre-settlement land cover consisted primarily of white pine, red pine, hemlock, and yellow birch. Sugar maple,

red maple, beech, and oak were also recorded in the uplands. Lowlands contained cedar and spruce. Current vegetation is substantially different from pre-settlement conditions. Grassy openings aspen, and pine (red and jack) now dominate the uplands. Lowlands appear to have similar species composition as the circa 1850 forest. Wildlife habitat objectives consist primarily of maintaining the grassy openings, promoting oak and aspen, and providing age class diversity between conifer stands.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 10 and 50 feet. The Silurian Manistique Group subcrops below the glacial drift. The Manistique could be used for stone. A gravel pit is located in Section 26 and potential appears to be good. A dimension stone quarry is located three miles to the northwest. There is no commercial oil and gas production in the UP, but a new location was staked five miles to the northeast.

Vehicle Access: Vehicle access within the compartment is excellent, there are numerous roads within the compartment including US-2 and 2 other county maintained roads. However, there is only 1 crossing for the Wisconsin Central Railroad within the Thompson Plains and it occurs in this compartment. Illegal Dumping is an inherent problem throughout the entire compartment and several duplicate roads are being proposed for closure to try and prevent this illegal activity.

Survey Needs: None known.

Recreational Facilities and Opportunities: There are no recreational facilities within the compartment. However, there is a snowmobile trail that runs through the compartment. The compartment is heavily used by hunters, ORV enthusiasts and berry pickers.

Fire Protection: Fire response times to the area will be excellent since it's so close to the Thompson Fire Shop. The pine fuel types within the compartment are part of a Zone dispatch area which essentially includes a heightened number of responding Units due to its volatile fuel conditions during times of high fire danger.

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: 83

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen		69	235	77	18	91	1	11											502
Cedar									5				38	92					135
Grass	466																		466
Jack Pine		59	21	60		4	32	4	3										183
Lowlnd Brush	35																		35
Lowlnd Poplr		6																	6
Mx Swmp Cnfr		20	6						39				20						85
Non Stocked	33																		33
Oak								125											125
Paper Birch					5														5
Red Pine		127	28			44		31											230
Spruce Fir						28													28
Swamp Hrdwds		5						4	4										13
Upland Brush	24																		24
Upland Hdwds			17		11													20	48
Total	558	286	307	137	34	167	33	175	51				58	92				20	1918

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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: 83

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	502																										502
C Cedar				135																							135
G Grass					466																						466
J Jack Pine							183																				183
L Lowlnd Brush									35																		35
P Lowlnd Poplr				6																							6
Q Mx Swmp Cnfr												85															85
X Non Stocked													33														33
O Oak														125													125
B Paper Birch															5												5
R Red Pine																230											230
F Spruce Fir																			28								28
E Swamp Hrdwds																				13							13
U Upland Brush																								24			24
M Upland Hdwds																								48			48
Total	502			141	466		183		35			85	33	125	5	230			28	13			24	48			1918

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: **83**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2559 Cds	Hardwood	754 Cds
Hardwood	160 Mbf	Softwood	1168 Cds
Softwood	8229 Cds	Softwood	30 Mbf
Softwood	379 Mbf	Sum CutVol	1982 Cds
Sum TotVol	11866 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	130
1918			

SHINGLETON FOREST AREA

Proposed Treatments
With NO Limiting Factors

Compartment: 83

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
3	J6	11	51	53	jack pine	mature	final harvest	2	natural regeneration	
comnts Fmd : Stand was partly salvaged through after 1997 wind storm, most of those areas were delineated out. Basal Area drops on south edge, stand could go either way aspen or jack pine. If the stand is not scarified the first year after harvest the stand should be managed for aspen. Do not cut oak and hemlock. Soil is Rubicon Sand and the Habitat Type is PArV.										
8	J6	3	68	54	jack pine	mature	final harvest	6	natural regeneration	
comnts Fmd : Stand on Contract 41-015-04-01 Dufour Headwaters.										
15	J5	10	51	53	jack pine	mature	final harvest	2	natural regeneration	
comnts Fmd : Stand was salvaged through in 1998 from the 1997 winstorm. The stand is sparse in spots. Stand needs to be final harvested and planted due to the advanced aspen regen and or thick grass mat on the south and west. Aspen is not present throughout stand so it will not take entire site over. Therefore, jack pine will need to be planted. Do not cut oak and hemlock. Soils are Rubicon Sands and the Habitat Type is PArV.										
24	R6	16	45	56	red pine	immature	thinning	2		
comnts Fmd : Natural Pine stand, some areas with very heavy basal area of red pine. Understory is thick fir in areas and brush in others. Lot of low ground fingers on the edges. Found 1 dry drainage ditch in the center of the stand. Spp thin. Do not cut oak and hemlock. Soils are Furlong-Shingleton Loamy Sands and the Habitat type is ATFD.										
33	R6	25	42	60	red pine	immature	thinning	2		
comnts Fmd : Stocking somewhat variable, this will be the first thinning. Oak present in stand, do not cut. Soils are Hartwick-Mancelona Complex.										
34	R3	36	5	60	red pine	immature		0	release	
comnts Fmd : CONVERTED TO RED PINE. BURNED SUMMER 1999 TRENCHED AND HAND PLANTED SPRING 2000. [3-14-02] Received regen survey results from Don showing 1005 red pine trees/acre and 23 volunteers per acre. Release work still to come. FTP#41-882 [8/6/2004 BB] Received completion for 40 acres of release work, Don indicates spotty results, keep open for more release.] [8/17/05 BB] Still lots of cherry brush, needs release under FTP C41-832. Close FTP C41-882 for burning.										
39	A6	11	66	53	aspen (upland)	mature	final harvest	2	natural regeneration	
comnts Fmd : Stand is mature, cut cedar if possible. Would like a comparable species mix back for regeneration. Do not cut oak and hemlock.										
40	R3	4	5	60	red pine	immature		0	release	
comnts Fmd : R3 plantation along US-2, could use release but not crucial. Planted in 2000. [8/17/05 BB] Still lots of cherry brush, needs release. However herbicide was not indicated on either of the first 2 FTP's. Close current FTP C41-882 for burning. Keep C41-832 open for release.										
44	R3	15	5	56	red pine	immature		0	release	
comnts Fmd : Schedule regen check 1 year [3-14-02] Received regen survey results from Don showing 816 red pine trees/acre and 210 volunteers per acre. Release work still to come. FTP#41-895 Still in need of spot release FTP staying open. Soils are Hartwick Mancellona Complex.										
45	R3	53	5	56	red pine	immature		0	release	
comnts Fmd : Schedule regen check 1 year [3-14-02] Received regen survey results from Don showing 816 red pine trees/acre and 210 volunteers per acre. Release work still to come. FTP#41-895 Still in need of spot release FTP staying open. Soils are Hartwick Mancellona Complex.										
55	R3	15	5	56	red pine	immature		0	release	
comnts Fmd : Schedule regen check 1 year [3-14-02] Received regen survey results from Don showing 816 red pine trees/acre and 210 volunteers per acre. Release work still to come. FTP#41-895 Still in need of spot release FTP staying open. Soils are Hartwick Mancellona Complex.										
61	E6	4	60	49	swamp hardwoods	mature	final harvest	2		
comnts Fmd : Stand received some damage from 97 storm. Aspen and much of the maple are mature. The west side is higher ground while the east side is a true E turning to Q. Do not cut White pine, oak, hemlock or cedar, save for aesthetics along US-2. Aspen and fir will an acceptable alternative MO. Soil is Carbondale-Lupton-Tawas Muck.										
64	J6	11	51	53	jack pine	mature	final harvest	2	natural regeneration	
comnts Fmd : Stand was partly salvaged through after 1997 wind storm, most of those areas were delineated out. Basal Area drops on south edge, stand could go either way aspen or jack pine. If the stand is not scarified the first year after harvest the stand should be managed for aspen. Do not cut oak and hemlock. Soil is Rubicon Sand and the Habitat Type is PArV.										

SHINGLETON FOREST AREA

Proposed Treatments
With NO Limiting Factors

Compartment: 83

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
76	J5	4	66	54	jack pine	mature	final harvest	2	planting	
comnts Fmd : Stand took a hard hit from 97 storm and old age. Jack pine will be tough to regenerate unless planted due to the advanced A3 understory. If jack pine fails accept aspen. Do not cut oak and hemlock. Check for char in stand when preparing. Soils are Rubicon Sands and the Habitat Type is PArV.										
77	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
78	R3	1	5	56	red pine	immature		0	release	
comnts Fmd : Schedule regen check 1 year [3-14-02] Received regen survey results from Don showing 816 red pine trees/acre and 210 volunteers per acre. Release work still to come. FTP#41-895 Still in need of spot release FTP staying open. Soils are Hartwick Mancellona Complex.										
79	R6	3	40	60	red pine	immature	thinning	2		
comnts Fmd : Will be a first thinning, north side has aspen and oak fringes. Lots of Garbage along roads. Do not cut oak and hemlock. Soils are Proper Fine Sands and the Habitat type is PVE.										
80	R3	3	5	56	red pine	immature		0	release	
comnts Fmd : Schedule regen check 1 year [3-14-02] Received regen survey results from Don showing 816 red pine trees/acre and 210 volunteers per acre. Release work still to come. FTP#41-895 Still in need of spot release FTP staying open. Soils are Hartwick Mancellona Complex.										
84	R6	2	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
85	R6	2	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
86	R6	2	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
87	P2	6	7	44	cedar	immature		0	natural regeneration	
comnts Fmd : Stand was formerly a cedar stand last entry. Stand was set for sale in 1996 then before it got cut it received heavy damage from the 97 windstorm. The original boundaries changed some after salvage operations. Stand was suppose to have been burned for cedar regeneration. Stand has not yet been burned and has regenerated to P2 (BAM). The grasses are very tall, could not find any cedar regen, some fir. Continue with burn plan and change in MO back to cedar. Soils are Carbondale-Lupton-Tawas Muck Burn was dropped by recommendation of Fire Specialist at Pre-Review. Close FTP-C41-874										
88	R6	2	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
89	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
90	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										

SHINGLETON FOREST AREA

Proposed Treatments
With NO Limiting Factors

Compartment: 83

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
91	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
92	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
93	R6	2	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
94	R6	3	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
95	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
96	R6	3	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
97	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
98	R6	3	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
99	R6	4	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
103	A5	1	56	52	aspen (upland)	mature	final harvest	2	natural regeneration	
comnts Fmd : Stand partially blown over in 1997 storm, some salvaged but that produced a thick A3 understory. Overstory needs to be cut. Should TSI stand afterwards. Aspen is the only acceptable MO. Do not cut oak and hemlock. Soils are Rubicon Sands and the Habitat Type is PArV.										
109	R6	1	62	57	red pine	immature	thinning	2		
comnts Fmd : Stand is a strip of red pine, appx 1 chain wide. This will be the third thinning for the stand. The trees in the stand received hail damage from the 1997 storm which opened them up to diplodia. Some of the trees have dead liters and these are the ones that should be marked first. Keep equipment out of the adjacent plantings. Do not cut oak and hemlock. Soils are Hartwick Mancellona Complex										
402	G0	4		54	grass	nonstocked		0	opening maintenance	
comnts Fmd : Stand should be treated with grass opening to the north which is slated for a burn. Close road that cuts through stand to prevent illegal dumping. Soils are Rubicon Sands and the Habitat type is PArV.										
413	G0	30		55	grass	nonstocked		0	opening maintenance	
comnts Fmd : Stand has quite a bit of encroachment from Cherry and aspen. Last burned in 1997, I think there is enough fuel to carry another fire. Soils are Rubicon Sands and the Habitat Type is PArV										
414	G0	172		55	grass	nonstocked		0	opening maintenance	
comnts Fmd : Stand has quite a bit of encroachment from Cherry and aspen. Last burned in 1997, I think there is enough fuel to carry another fire. There is a woodcock Lek on south end of stand that may need to be protected. Also see locked box for additional comments. Soils are Rubicon Sands and the Habitat Type is PArV										

SHINGLETON FOREST AREA

**Proposed Treatments
With NO Limiting Factors**

Compartment: 83

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
416	G0	195		55	grass	nonstocked		0	opening maintenance	

comnts Fmd : Stand has quite a bit of encroachment from Cherry and aspen. Last burned in 1997, I think there is enough fuel to carry another fire. Soils are Rubicon Sands and the Habitat Type is PArV

Total Acres..... 664

**Proposed Treatments
With Limiting Factors**

Compartment: 83

Entry Year: 2007

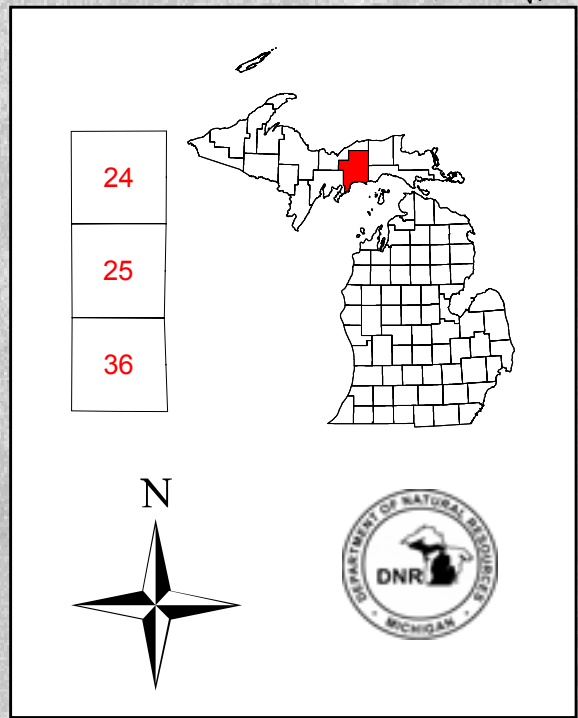
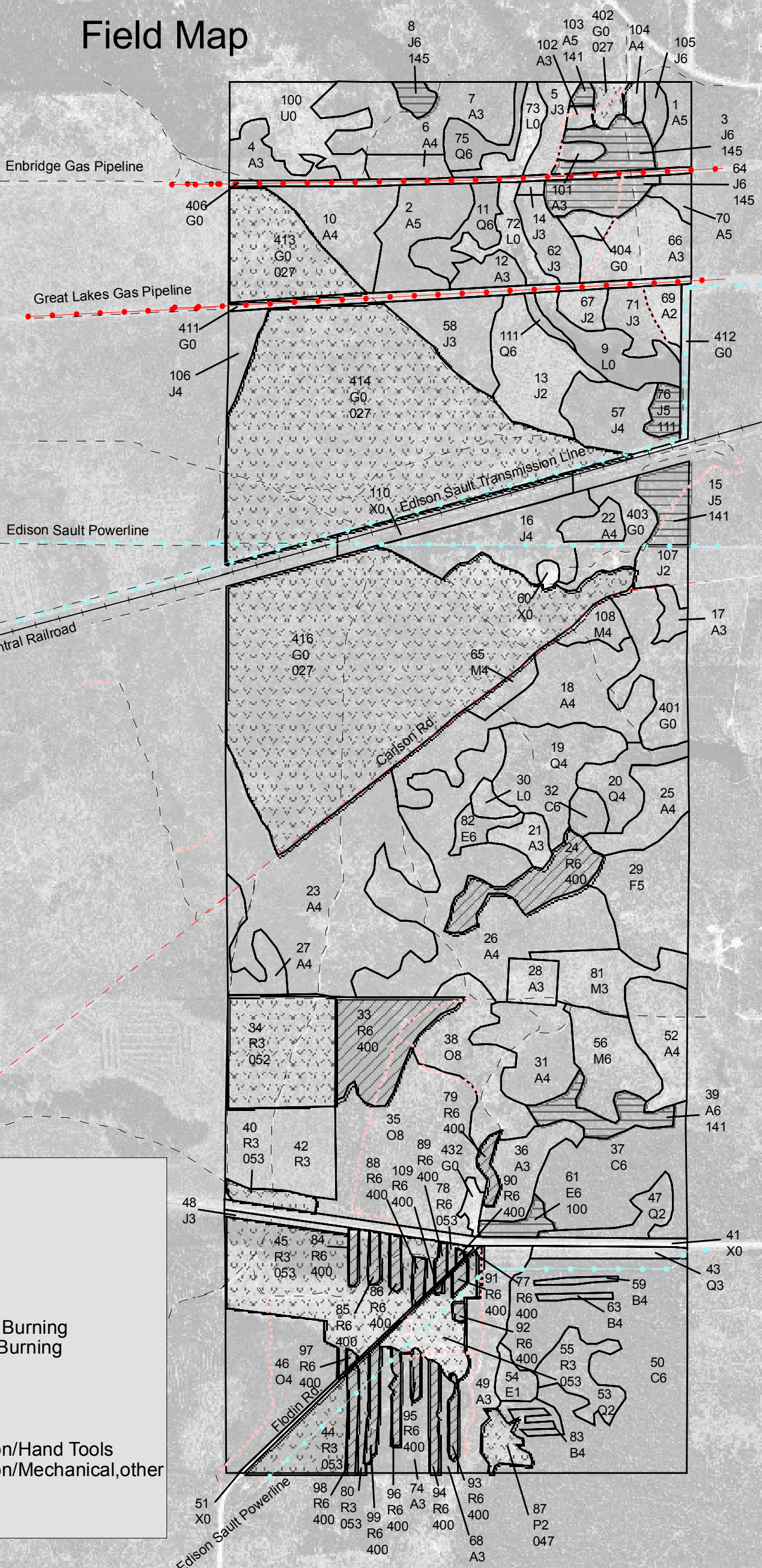
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 83
 T41N, R17W, Sec. 24, 25, 36
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2007
 Acres: 1,918 GIS Calculated
 Stand Examiner: Bob Burnham
 Map Revised: 9/30/2005
 Map Phase: Pre-review



- Legend**
- - - County Dirt Roads
 - - - Poor Dirt roads
 - Closed Roads
 - Railroads
 - Pipe Lines
 - Power Lines
 - Stand Boundary
 - ▨ 027 - Opening Maintenance/Prescribed Burning
 - ▨ 047 - Natural Regeneration/Prescribed Burning
 - ▨ 052 - Release/Aerial Application
 - ▨ 053 - Release/Ground Application
 - ▨ 100 - Final Harvest
 - ▨ 111 - Final Harvest/Planting/Hand Tools
 - ▨ 141 - Final Harvest/Natural Regeneration/Hand Tools
 - ▨ 145 - Final Harvest/Natural Regeneration/Mechanical, other
 - ▨ 400 - Thinning
 - Name County Dirt Roads
 - Name Poor Dirt roads

