



**PIGEON RIVER COUNTRY MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 47 ENTRY YEAR: 2012

Compartment Acreage: 1853 County: Otsego

Revision Date:

August 25, 2010

Stand Examiner:

Don Mittlestat

Legal Description:

T32N R01W Sections 3, 10, and 15

RMU (if applicable):

Management Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

The entire of the compartment is dominated by loamy soils. The west portion of the compartment is generally well drained, sandy soils. Most of the topography is flat or gently rolling.

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

This compartment has solid state ownership except for 25 acres in sec. 10.

Unique, Natural Features:

None.

Archeological, Historical, and Cultural Features:

Stand 72 is the site of an old Hanson logging camp.

Special Management Designations or Considerations:

Stand 45 has been nominated as a natural area.

Watershed and Fisheries Considerations:

None

Wildlife Habitat Considerations:

See attached wildlife comment sheet.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist primarily of coarse textured glacial till (high ground). The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Mississippian Berea Sandstone and Bedford Shale and the Devonian Antrim Shale. The Antrim is quarried for clay/shale elsewhere in the state. The nearest gravel pit is located three miles to the southwest. The thick glacial moraine deposits are considered to have good gravel potential. One producing oil well and oil and gas lease remain in effect, in Section 10. This area appears to have additional Guelph (Niagaran) reef trend potential, as well as Antrim Shale potential.

Vehicle Access:

Access is adequate at this time

Survey Needs:

There are no survey needs at this time.

Recreational Facilities and Opportunities:

The North Spur of the Shore to Shore Riding and Hiking Trail passes through the southeastern portion of section 15.

Fire Protection:

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**
 - ◆ **Biodiversity Stewardship**

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 47

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	(acres shown in boxes)																All Aged	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	120-129	130-139	140-149	150-159		
Aspen		30	30	71	142					3									276
Grass	27																		27
Jack Pine					48														48
Non Stocked	2																		2
Oak										84	76								160
Red Pine												25							25
Upland Brush			8	22						23									53
Upland Hdws			19	49	6			10		99	9							733	925
White Pine				11	7			57		182	74	6							337
Total	29	30	57	153	203			67		391	159	31						733	1853

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **47**

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	276																										276
G Grass					27																						27
J Jack Pine							48																				48
X Non Stocked													2														2
O Oak														160													160
R Red Pine																25											25
U Upland Brush																								53			53
M Upland Hdwds																								925			925
W White Pine																								6	331		337
Total	276				27		48						2	160		25							53	931		331	1853

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **47**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	12772 Cds	Hardwood	911 Cds
Hardwood	5960 Mbf	Hardwood	1213 Mbf
Softwood	2268 Cds	Sum CutVol	3337 Cds
Softwood	2174 Mbf		
Sum TotVol	31308 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	336
1853		Acres Meeting Silv Criteria.....	512
		Acres Not Meeting Silv Criteria.....	1341
		Acres Unable to Determine Silv Criteria For.....	

PIGEON RIVER COUNTRY MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 47

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
43	M9	157	0	65	NORTHERN HARDWOOD	OLD GROWTH (POTENTIAL OR ACTUAL)	SELECTION	1		Prescribed for FDF treatment
comnts Fmd : 2000. IT DOES NOT APPEAR THAT THE MAJORITY OF THIS STAND HAS BEEN THINNED IN RECENT YEARS. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND HAS BEEN GIVEN A STAND CONDITION 8 AND IS UNDER CONSIDERATION FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND DOESN'T BECOME A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONDITION 8 WILL BE REMOVED. 2010 If this stand is cut northern hardwoods would be expected to regenerate in regen holes										
63	M9	31	0	65	NORTHERN HARDWOOD	OLD GROWTH (POTENTIAL OR ACTUAL)	SELECTION	1		Prescribed for FDF treatment
comnts Fmd : 2000 TWO RESEARCH PLOTS LIE IN THE NORTH PORTION OF THIS STAND. CHECK THE STAND SHEET FOR DETAILS. STAND SHOULD QUALIFY FOR FDF FUNDING. IT DOES NOT APPEAR THAT THE MAJORITY OF THIS STAND HAS BEEN THINNED IN RECENT YEARS. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND HAS BEEN GIVEN A STAND CONDITION 8 AND IS UNDER CONSIDERATION FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND DOESN'T BECOME A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONDITION 8 WILL BE REMOVED. 2010 If this stand is treated oak and northern hardwoods could regenerate this stand										
69	M9	67	0	60	NORTHERN HARDWOOD	OLD GROWTH (POTENTIAL OR ACTUAL)	SELECTION	2		
comnts Fmd : 2000 THE MAJORITY OF THIS STAND WAS THINNED IN THE EARLY 70'S UNDER MULTIPLE TIMBER SALE CONTRACTS. MORE THAN HALF OF THIS STAND IS ON PURCHASED LANDS SO I WILL NOT CODE IT FOR FDF FUNDING. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND IS BEING CODED STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND IS NOT NOMINATED FOR A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONITION 8 WILL BE RREMOVED. 2010 If this stand is treated northern hardwoods could regenerate the stand										
71	M9	18	0	60	NORTHERN HARDWOOD	OLD GROWTH (POTENTIAL OR ACTUAL)	SELECTION	1		Prescribed for FDF treatment
comnts Fmd : 2000 THIS STAND WAS LIGHTLY THINNED IN 1983. NEEDS TO HAVE MUCH MORE BASAL AREA TAKEN OUT DURING THE NEXT HARVEST. STAND SHOULD QUALIFY FOR FDF FUNDING. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND AS BEEN GIVEN STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF NOT NOMINATED IT WILL BE TREATED AS PRESCRIBED, AND STAND CONITON WILL BE REMOVED. 2010 If this stand is treated northern hardwoods might be expected to regenerate										
73	O9	18	81	60	OAK	TWO AGED	SHELTERWOOD-PREP	3		
comnts Fmd : 2010 Regeneration in this stand could be pine, oak and aspen and red maple most likely u										
402	G0	4	0		GRASS	NONSTOCKED		0	OPENING MAINTENANCE	
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.										
403	G0	4	0		GRASS	NONSTOCKED		0	OPENING MAINTENANCE	
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.										
404	G0	2	0		GRASS	NONSTOCKED		0	OPENING MAINTENANCE	
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.										

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 47

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
405	G0	1	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	

comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.

406	G0	12	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE	
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comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.

Total Acres..... 314

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
44	M9	45	0	65	NORTHERN HARDWOOD	OLD GROWTH (POTENTIAL OR ACTUAL)	SELECTION	1		Prescribed for FDF treatment

TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

comnts Fmd : 2000 RECORDS INDICATE THAT THE MAJORITY OF THIS STAND HAS NOT BEEN THINNED IN RECENT YEARS. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND NOW HAS A STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND IS NOT NOMINATED FOR A HCVA IT WILL BE TREATED AS PRESCRIBED AND STAND CONDITION 8 WILL BE REMOVED.

Total Acres..... 45

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	A 3	F 1	13	26	3	10	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 2010 Stand just beginning to move to a pole stand.														
2	W 6	W 1	7	83	8	90	55	white pine	immature	N		20-29 years	0	
3	A 4	A 1	35	26	4	30	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 Scattered oak thru out Western part is heavier white pine in places														
4	W 9	A 1	20	93	12	80	50	white pine	two aged	N		40-49 years	0	
5	A 2	G 0	17	17	2	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 The west part looks pretty good. The eastern part has some u and white pine , and some aspen														
6	W 9	X 0	6	100	14	110	65	white pine	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
7	W 8	W 1	54	93	12	60	50	white pine	two aged	N		40-49 years	0	
8	W 6	W 2	38	78	10	100	50	white pine	immature	N		10-19 years	0	
9	U 1	W 1	8	17	1	0	60	upland brush	immature	N		50-59 years	0	
comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 Still have elk, they are debarking cherry, and heavily browsing the witch hazel. There is a redual of less than 10ba of oak and pine. Some patches of white pine coming														
10	O 9	W 1	6	93	10	100	50	oak	mature	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood) Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : RECOMMEND LETTING THIS STAND CONVERT NATURALLY TO WHITE PINE. IF HARVESTED, I DO NOT BELIEVE THAT IT WOULD SUCCESSFULLY REGENERATE ITSELF DUE TO SITE FACTORS AS WELL AS EXCESSIVE ELK BROWSING.														
11	R 9	W 1	11	100	12	100	65	red pine	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
12	R 8	W 2	14	102	12	50	50	red pine	two aged	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : 2010 White pine is heavy in the understory. May not want to remove overstory till understory is treatable														

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type- Dnsty	Under Story- Stkng Level	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
13	A 6	W 1	3	84	9	90	60	aspen (upland)	mature	Y		60-69 years	0	
<p><u>Treatment Limiting Factors:</u> Other special wildlife habitat consideration (desc. In comments) Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : 2000 IF HARVESTED, THIS VERY SMALL STAND MOST LIKELY WOULD RECEIVE EXTENSIVE DAMAGE FROM ELK BROWSING. WOULD PREFER TO LET THIS STAND CONVERT NATURALLY TO WHITE PINE.</p>														
14	M 2	G 0	32	25	2	0	60	northern hardwood	immature	N		40-49 years	0	
<p>comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 Stand goes from A1 to A2 to W1 to W2. There are also red maple stump sprouts that have been heavily damaged by elk. The understory is white pine and u-type. There is an oak residual of less than 10ba.</p>														
15	M 6	W 1	9	78	9	70	50	northern hardwood	immature	N		50-59 years	0	
16	M 6	W 1	23	84	10	90	60	northern hardwood	immature	N		20-29 years	0	
17	O 5	W 1	58	96	9	60	50	oak	mature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood) Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : THIS STAND IS GROWING ON A POOR QUALITY SITE WITH A LOT OF EXPOSED RIDGE TOPS AND SOUTH FACING SLOPES. HISTORY HAS SHOWN THAT HARDWOOD REGENERATION ON ADJACENT SITES SUFFERED HEAVY BROWSE DAMAGE FROM ELK. PREFER TO LET THE WHITE PINE UNDERSTORY DEVELOP NATURALLY.</p>														
18	O 9	U 2	12	93	12	80	60	oak	two aged	Y		50-59 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood) Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : 2000 THIS STAND WAS "THINNED" IN 1983 BY REMOVING EVERYTHING EXCEPT OAK. ALL THAT HAS GROWN BACK ARE MAPLE STUMP SPROUTS WHICH ARE NOW BEING BROWSED. LEAVE THE REMAINING OVERSTORY TO PROVIDE SHELTER FOR THE REGENERATION. HOPEFULLY, IT WILL EVENTUALLY DEVELOP INTO A NEW STAND AT WHICH TIME THE OVERSTORY CAN BE REMOVED. 2010 This stands understory is very heavy to striped maple</p>														
19	A 6	M 1	2	36	8	90	60	aspen (upland)	immature	N		20-29 years	0	
20	M 2	G 0	17	27	2	10	60	northern hardwood	immature	N		40-49 years	0	
<p>comnts Fmd : 2000HEAVY ELK BROWSE DAMAGE. 2010 Very little aspen and rred maple, lots of striped maple</p>														
21	A 4	M 1	119	36	5	40	60	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 2010 This is a very variable stand from aspen to hardwood. The western part of the stand has a much smaller diameter and is aspen with a pine component, seems like two ages but the cutting records indicate one stand. This divide could be a stand divider.</p>														
22	U 0	W 1	23	84	0	0	60	upland brush	in process of regeneration	N		40-49 years	0	
<p>comnts Fmd : 2000 BRIAN WOULD LIKE SOME TYPE OF SPECIAL EFFORT MADE TO LEAVE LARGE DIAMETER DOWNED WOODY DEBRIS AS AN EXPERIMENT. IN ONE HALF OF THE SALE, CUT EVERYTHING EXCEPT REQUIRE THAT THE DEAD AND/OR DOWNED MATERIAL BE LEFT. IN THE OTHER HALF, MARK LIVE TREES TO BE CUT AND LEFT ON SITE. TREES TO BE MARKED FOR LEAVING SHOULD BE IN GROUPS OF 4-5 WITH THE TREES FELLED SO THAT THE TOPS ARE OVERLAPPING. ONE SUCH GROUP OF TREES SHOULD BE LEFT PER ACRE. 2010 Another u-type should help the u-type needs but not the aspen. The elk have destroyed the regenerating aspen.</p>														

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
23	A 4	M 1	8	36	4	40	60	aspen (upland)	immature	N		30-39 years	0	
24	W 9	M 1	15	78	12	110	50	white pine	immature	N		10-19 years	0	
25	J 3	A 1	8	37	3	0	50	jack pine	immature	N		30-39 years	0	
comnts Fmd : 2010 Ken mentioned on old green sheet that this stand has had two fires														
26	W 6	W 1	8	81	12	100	55	white pine	immature	N		20-29 years	0	
27	J 5	U 1	40	37	4	50	50	jack pine	immature	N		20-29 years	0	
28	A 0	U 1	30	5	0	0	50	aspen (upland)	in process of regeneration	N		40-49 years	0	
comnts Fmd : 2000 COULD LEAVE GROUPS OF THE NICEST LOOKING OAK IF DESIRED BUT DO NOT LEAVE ALL OAK AS A GENERAL SPECIFICATION. 2010another u created by the elk. Aspen looks to be a failure														
29	M 6	M 1	10		9	80	60	northern hardwood	unevenaged	N		20-29 years	0	
30	A 5	A 2	2	37	8	60	60	aspen (upland)	two aged	N		30-39 years	0	
31	W 5	W 1	10	63	9	60	60	white pine	immature	N		20-29 years	0	
32	M 2	W 2	7	17	1	10	60	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 White pine is filling in.														
33	W 9	W 1	11	81	14	130	55	white pine	two aged	N		20-29 years	0	
34	M 6	M 2	25		10	70	60	northern hardwood	unevenaged	N		30-39 years	0	
comnts Fmd : 2010 The understory has been heavily browsed. There is striped maple in the understory. There is a one or two acre pocket of 1 to 4 inch hemlock with a hardwood overstory.														
35	A 2	G 0	13	17	1	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 2000 MODERATE ELK BROWSE DAMAGE. 2010 A3 to A2 in places, some w3 and u and m														

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
36	W 6	H 1	10	81	9	120	55	white pine	immature	N		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Influence zones</p> <p>comnts Fmd : 2010 This stand is a narrow stand on both sides of Tin Shanty Rd.</p>														
37	W 9	W 1	27	81	12	70	55	white pine	two aged	N		20-29 years	0	
38	M 2	G 0	12	17	1	10	60	northern hardwood	immature	N		50-59 years	0	
<p>comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 A1 at best some M2, M1, U and W1 to W3. There was a lot of deer and grouse sign in the thick white pine</p>														
39	W 9	H 1	10	81	14	70	55	white pine	two aged	N		20-29 years	0	
<p>comnts Fmd : 2010 There are pockets of 1 to 4 inch hemlock in this stand.</p>														
40	M 5	M 2	3		9	60	60	northern hardwood	unevenaged	N		30-39 years	0	
41	M 3	U 1	6		1	30	60	northern hardwood	unevenaged	N		50-59 years	0	
<p>comnts Fmd : 2010 The m3 should be featured herre</p>														
42	W 9	M 2	3	81	11	100	55	white pine	immature	N		20-29 years	0	
43	M 9	M 1	157		12	130	65	northern hardwood	old growth (potential or actual)	Y	selection	within 0-9 years	1	
<p>comnts Fmd : 2000. IT DOES NOT APPEAR THAT THE MAJORITY OF THIS STAND HAS BEEN THINNED IN RECENT YEARS. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND HAS BEEN GIVEN A STAND CONDITION 8 AND IS UNDER CONSIDERATION FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND DOESN'T BECOME A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONDITION 8 WILL BE REMOVED. 2010 If this stand is cut northern harddwoods would be exected to regenerate in regen holes</p>														
44	M 9	M 1	45		15	140	65	northern hardwood	old growth (potential or actual)	Y	selection	within 0-9 years	1	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : 2000 RECORDS INDICATE THAT THE MAJORITY OF THIS STAND HAS NOT BEEN THINNED IN RECENT YEARS. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND NOW HAS A STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND IS NOT NOMINATED FOR A HCVA IT WILL BE TREATED AS PRESCRIBED AND STAND CONDITION 8 WILL BE REMOVED.</p>														
45	M 9	M 1	37		14	110	65	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : THIS STAND HAS BEEN NOMINATED AS A NATURAL AREA.</p>														

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
46	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : THIS IS AN ACTIVE MERIT OIL WELL SITE.														
47	M 6	M 1	53		10	80	65	northern hardwood	old growth (potential or actual)	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : 2010 This stand was harvested before the state purchased it.														
48	M 9	M 1	33		10	70	65	northern hardwood	unevenaged	N		20-29 years	0	
49	M 9	M 1	45		12	110	65	northern hardwood	unevenaged	N		10-19 years	0	
50	M 6	M 1	11	84	8	90	60	northern hardwood	two aged	N		30-39 years	0	
51	W 2	M 1	6	29	1	20	60	northern hardwood	sparse	N		60-69 years	0	
comnts Fmd : THIS STAND WAS BURNED SEVERELY IN A 1981 WILDFIRE. SOME DAMAGED TIMBER WAS SALVAGED WHEN THE ADJACENT STAND #55 WAS THINNED.														
52	A 4	A 1	11	37	8	40	60	aspen (upland)	two aged	N		20-29 years	0	
53	W 8	W 1	11	63	12	60	60	white pine	two aged	N		30-39 years	0	
54	A 2	U 1	2	18	1	0	65	aspen (upland)	immature	N		50-59 years	0	
55	M 9	M 1	23		12	110	60	northern hardwood	unevenaged	N		20-29 years	0	
56	M 5	A 2	2	37	8	40	60	northern hardwood	two aged	N		30-39 years	0	
comnts Fmd : 2010 Most of the oak is from stump sprouts														
57	M 5	M 1	10	63	5	50	60	northern hardwood	two aged	N		30-39 years	0	
58	M 9	M 1	44		13	100	65	northern hardwood	unevenaged	N		20-29 years	0	

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
59	O 6	M 1	66	84	10	130	55	oak	mature	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Regeneration technology inadequate Retention of stand for regeneration purposes (ie. shelterwood) Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : 2000 ANY MANAGEMENT WE TRY HERE TO REGENERATE THE HARDWOODS WOULD MOST LIKELY FAIL DUE TO EXCESSIVE ELK BROWSING. LET NATURE HAVE HER WAY. HOPEFULLY, AS THE BIRCH BEGINS TO DIE OUT, OTHER HARDWOODS AND PINE WILL BEGIN TO FILL IN. 2010 There is a lot of hemlock in the understory esp. in the valleys</p>														
60	W 6	M 1	17	63	9	150	50	white pine	immature	N		10-19 years	0	
<p>comnts Fmd : 2010 There are patches of hemlock thru out</p>														
61	W 6	M 1	14	63	10	110	50	white pine	nonstocked	N		10-19 years	0	
62	M 6	M 1	56	87	10	100	55	northern hardwood	mature	N		20-29 years	0	
63	M 9	M 1	31		10	120	65	northern hardwood	old growth (potential or actual)	Y	selection	within 0-9 years	1	
<p>comnts Fmd : 2000 TWO RESEARCH PLOTS LIE IN THE NORTH PORTION OF THIS STAND. CHECK THE STAND SHEET FOR DETAILS. STAND SHOULD QUALIFY FOR FDF FUNDING. IT DOES NOT APPEAR THAT THE MAJORITY OF THIS STAND HAS BEEN THINNED IN RECENT YEARS. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND HAS BEEN GIVEN A STAND CONDITION 8 AND IS UNDER CONSIDERATION FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND DOESN'T BECOME A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONDITION 8 WILL BE REMOVED. 2010 If this stand is treated oak and northern hardwoods could regenerate this stand</p>														
64	M 9	M 2	105		10	90	60	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : 2000 TWO RESEARCH PLOTS LIE WEST OF TIN SHANTY ROAD WITHIN THIS STAND. CHECK THE STAND SHEET FOR DETAILS.</p>														
65	U 0	G 0	5	27	0	0	65	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 Some aspen and hardwoods around the edges.</p>														
66	U 0	G 0	17	27	0	0	65	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 This stand could be a g or u with hardwood and aspen encroaching around the edges</p>														
67	M 5	M 2	4	36	5	50	60	northern hardwood	two aged	N		40-49 years	0	
68	M 9	M 2	31		14	110	60	northern hardwood	unevenaged	N		20-29 years	0	

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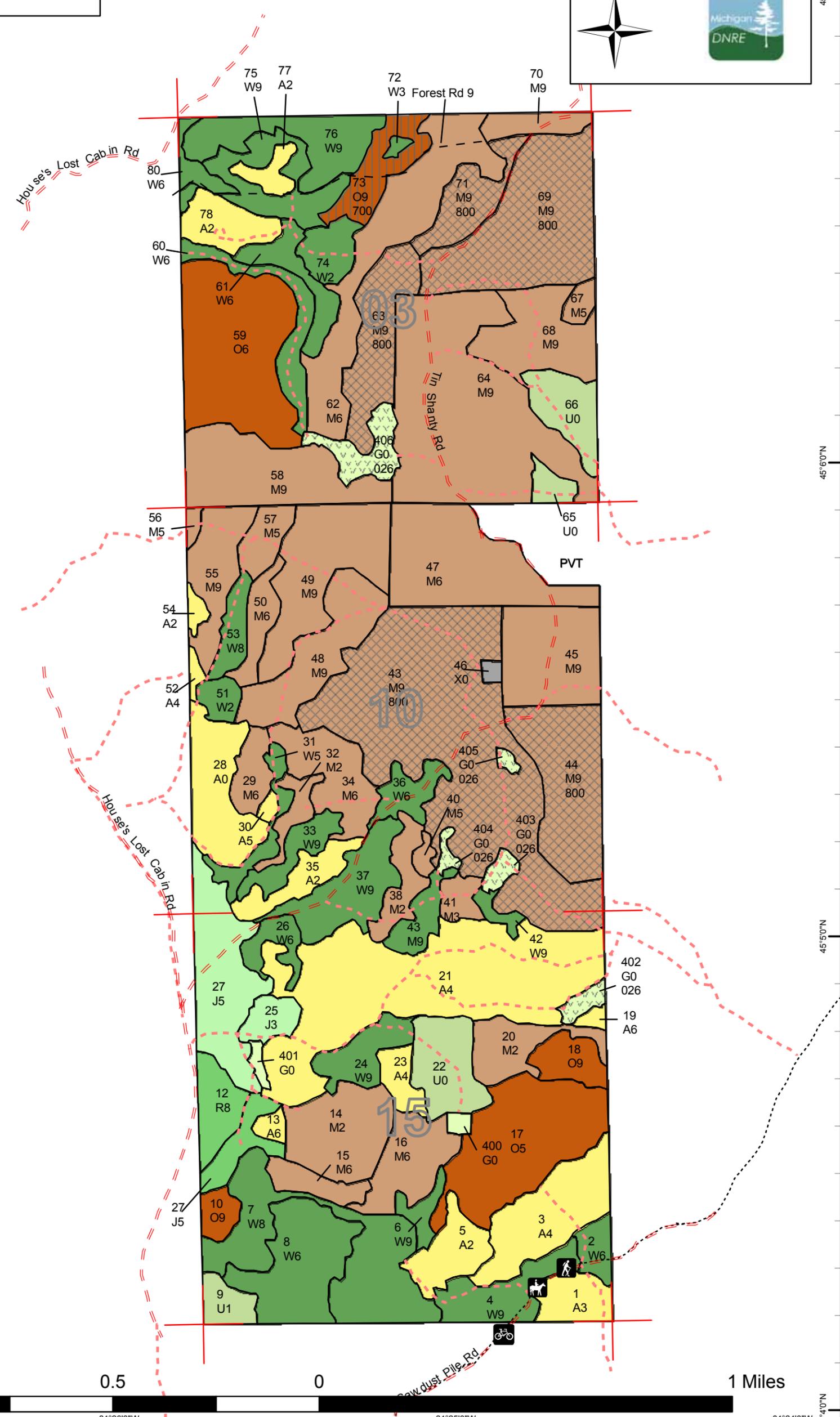
Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
69	M 9	M 2	67		15	120	60	northern hardwood	old growth (potential or actual)	Y	selection	within 0-9 years	2	
<p>comnts Fmd : 2000 THE MAJORITY OF THIS STAND WAS THINNED IN THE EARLY 70'S UNDER MULTIPLE TIMBER SALE CONTRACTS. MORE THAN HALF OF THIS STAND IS ON PURCHASED LANDS SO I WILL NOT CODE IT FOR FDF FUNDING. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND IS BEING CODED STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND IS NOT NOMINATED FOR A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONDITON 8 WILL BE RREMOVED. 2010 If this stand is treated northern hardwoods could regenerate the stand</p>														
70	M 9	M 2	9	89	12	110	55	northern hardwood	old growth (potential or actual)	N		80+ years	0	
<p>comnts Fmd : 2000 MANAGE WITH STAND #24 IN COMPARTMENT #43 ADJACENT TO THE NORTH. IT DOES NOT APPEAR THAT THIS STAND HAS EVER BEEN THINNED. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND HAS BEEN GIVEN A STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS RREQUESTED BY A MEMBER OF THE PUBLIC. IF THIS STAND IS NOT SELECTED FOR A HCVA IT WILL BE TREATED AS PRESCRIBED, AND STAND CONDITION 8 WILL BE R3MOVED.</p>														
71	M 9	M 2	18		15	130	60	northern hardwood	old growth (potential or actual)	Y	selection	within 0-9 years	1	
<p>comnts Fmd : 2000 THIS STAND WAS LIGHTLY THINNED IN 1983. NEEDS TO HAVE MUCH MORE BASAL AREA TAKEN OUT DURING THE NEXT HARVEST. STAND SHOULD QUALIFY FOR FDF FUNDING. THIS STAND IS NOT TO BE TREATED UNTIL THE OLD GROWTH AND BIODIVERSITY STEWARDSHIP PLAN IS ASSESSED. IF THIS STAND WILL NOT BE PART OF THAT PLAN, THEN TREATMENT WILL PROCEED AS PRESCRIBED. 2005 PER WI THIS STAND AS BEEN GIVEN STAND CONDITION 8 AND IS BEING CONSIDERED FOR A HCVA AS REQUESTED BY A MEMBER OF THE PUBLIC. IF NOT NOMINATED IT WILL BE TREATED AS PRESCRIBED, AND STAND CONITON WILL BE REMOVED. 2010 If this stand is treated northern hardwoods might be expected to regenerate</p>														
72	W 3	G 0	1	30	3	30	60	white pine	immature	N		60-69 years	0	
<p>comnts Fmd : SITE OF AN OLD HANSON LOGGING CAMP.</p>														
73	O 9	W 1	18	81	10	110	60	oak	two aged	Y	shelterwood-prep	within 0-9 years	3	
<p>comnts Fmd : 2010 Regeneration in this stand could be pine, oak and aspen and red maple most likely u</p>														
74	W 2	G 0	11	25	2	0	60	white pine	sparse	N		40-49 years	0	
<p>comnts Fmd : 2000 HEAVY ELK BROWSE DAMAGE. 2010 There is a little aspen, red maple, some red and white pine and u and g in this stand</p>														
75	W 9	W 1	23	81	10	120	55	white pine	immature	N		20-29 years	0	
76	W 9	W 1	29	81	10	110	55	white pine	immature	N		20-29 years	0	
77	A 2	W 2	6	25	2	0	65	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : 2010 The north finger is white pine, the westerly finger is fairly nice aspen</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
78	A 2	G 0	15	25	2	0	65	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 2000 MODERATE ELK BROWSE DAMAGE. 2010 The eastern 1/3 is pretty sparse														
79	W 9	W 1	1	81	12	110	55	white pine	immature	N		10-19 years	0	
80	W 6	M 1	5	63	11	130	50	white pine	immature	N		10-19 years	0	
400	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : THIS IS A DRY HOLE WELL SITE LOCATION.														
401	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
402	G 0	G 0	4		0	0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.														
403	G 0	G 0	4		0	0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.														
404	G 0	G 0	2		0	0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.														
405	G 0	G 0	1		0	0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.														
406	G 0	G 0	12		0	0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : WILDLIFE OPENING. THIS WILL BE MAINTAINED BY FARMING OR PRESCRIBED BURNING.														
Total Acres..... 1853														

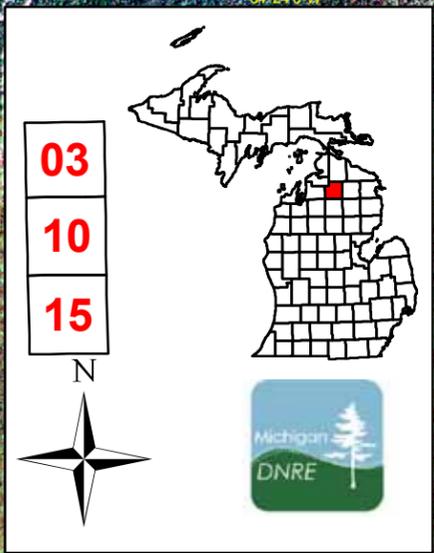
Compartment 47
 T31N, R01W, Sec. 3, 10, 15
 County: Otsego
 Unit: Pigeon River Country
 YOE: 2012
 Acres: 1,853 GIS Calculated
 Stand Examiner: Don Mittlestat
 Map Revised: 6/24/2012
 Map Phase: Pre-review

Covertime & Treatment Map



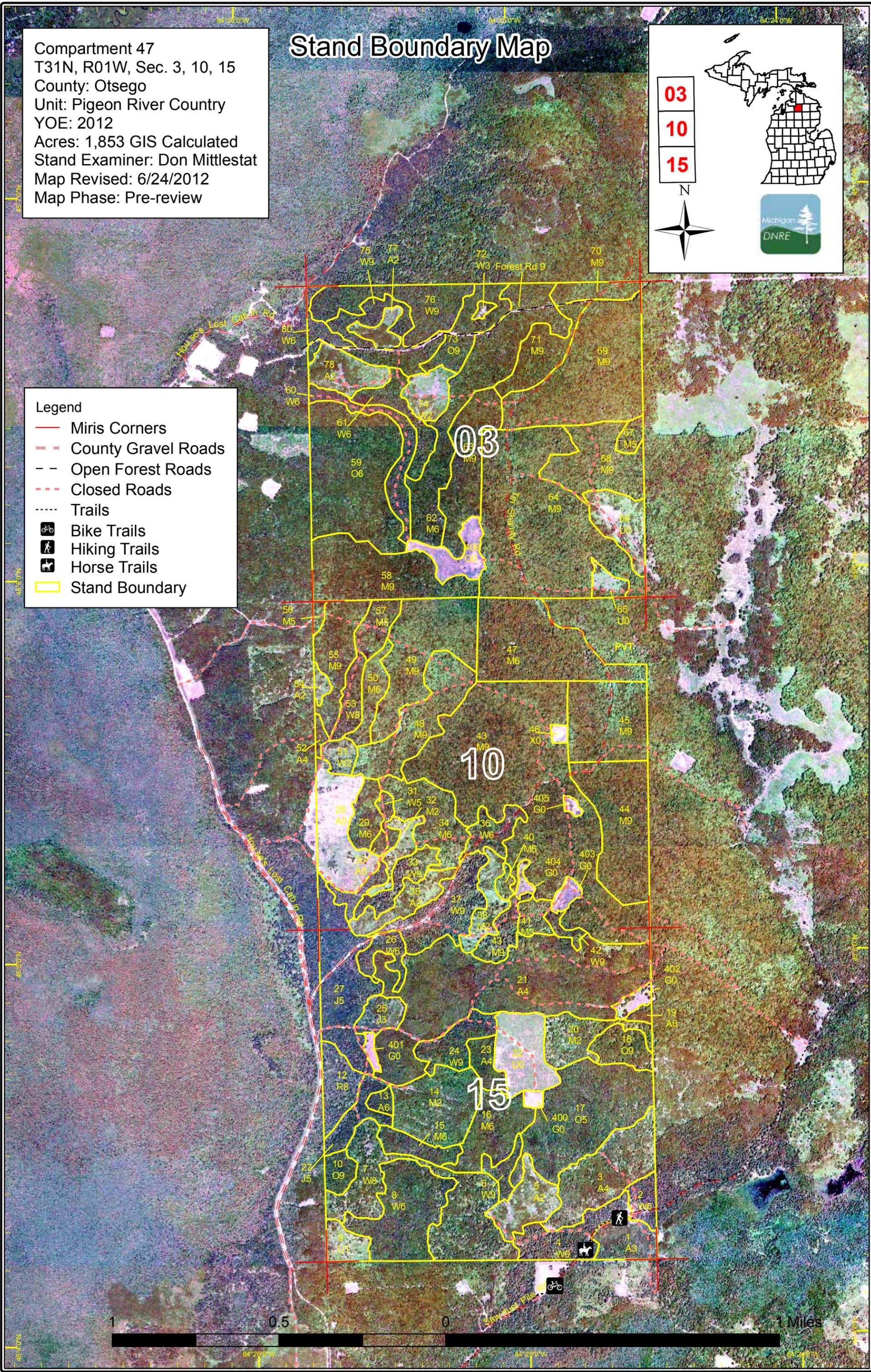
Stand Boundary Map

Compartment 47
T31N, R01W, Sec. 3, 10, 15
County: Otsego
Unit: Pigeon River Country
YOE: 2012
Acres: 1,853 GIS Calculated
Stand Examiner: Don Mittlestat
Map Revised: 6/24/2012
Map Phase: Pre-review



Legend

- Miris Corners
- County Gravel Roads
- Open Forest Roads
- Closed Roads
- Trails
 - Bike Trails
 - Hiking Trails
 - Horse Trails
- Stand Boundary



Dedicated & Proposed Special Conservation Area Map

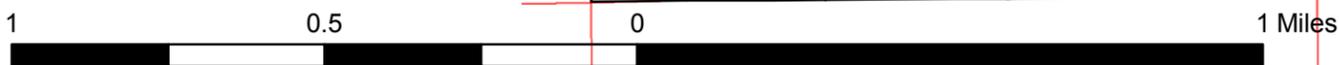
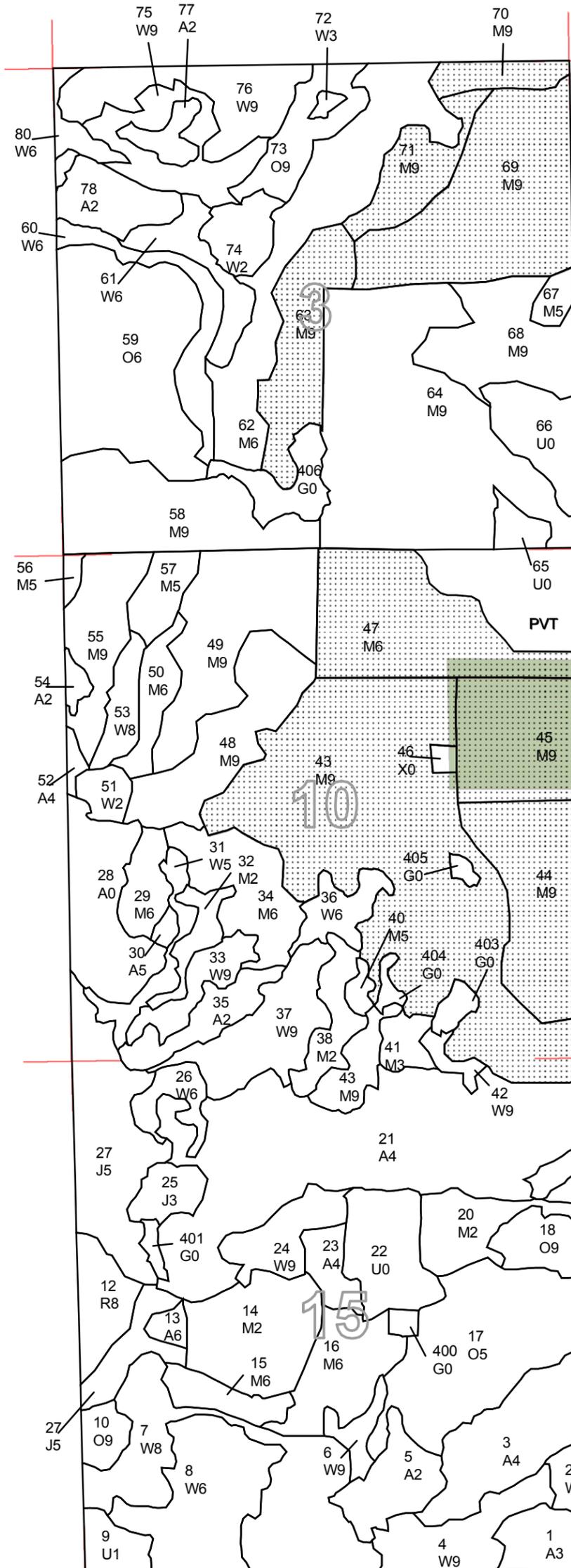
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 Map Phase: Pre-review

6
 7
 18



Legend

- Miris Corners
- Proposed Special Conservation Areas
- Stand Boundary
- Dedicated Special Conservation Areas**
- OI Special Conservation Areas





DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.