



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment 11 Entry Year: 2012
Compartment Acreage: 1086 County: Marquette**

Revision Date: 7/19/10

Stand Examiner: John M. Koski

Legal Description: T44N R23W Sec.22,27,34

Identified Planning Goals ('Management Area' or 'RMU', if applicable):

Management Goals : To maintain forest health, diversity and sustainability while considering wildlife, fisheries, recreational and environmental needs and concerns.

Soil and Topography: Carbondale-Rifle, Munuscong, Bergland and Ogemaw, Terrain is relatively level.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land on the east and west, private on the north and south, similar types.

Unique, Natural Features: Red-shouldered hawk documented to SE. Great blue heron rookeries to the S and SW. Historical calypso orchid documented to W. Potential for northern goshawk and red-shouldered hawk. Potential for bald eagle, osprey, and great blue heron rookery. Potential for moose and wolf. Potential for wood turtle. Potential for auricled tway-blade, veiny meadow rue, western dock, Farwell's water-milfoil, alternate-leaved water-milfoil, and linear-leaved gentian along riparian areas. Potential for calypso orchid, rayless mountain ragwort, and ram's head lady'slipper in conifer swamps.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: Potential SCA stands, 11,14,29,46,48,49,50,52,54,58,59,61,62,64,67.

Watershed and Fisheries Considerations: Deer Creek, Dead Horse Creek.

Wildlife Habitat Considerations: This compartment lies within the Dead Horse Moraine Management Area. Maintain movement corridors for wildlife species and the protection of riparian areas. Promote biological legacies such as old forest characteristics in the form of snags, coarse woody debris, and intact nutrient cycles. Strive for best possible age class distribution in aspen stands. Maintain or increase biodiversity in northern hardwood stands through retention of associate species. In stands scheduled to treat this entry period, maintain conifer cover in transitional zones as well as wildlife movement corridors.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Groups subcrop below the glacial drift. These formations are quarried for stone/dolomite elsewhere in the UP. The nearest gravel pit is located to the south of the compartment and potential appears to be good. Abandoned iron mines are located twelve miles to the northwest. This compartment has never been leased. There is no economic oil and gas production in the UP.

Vehicle Access: Good to sections 22,34, via county road, and good two tracks, although it is restricted through gated private land, poor to section 27.

Survey Needs: None

Recreational Facilities and Opportunities: Hunting.

Fire Protection: The compartment is under the GMU fire protection area.

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**

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 11

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		30		42															72
Cedar										28		3							31
Grass	5																		5
Lowlnd Brush	31																		31
Mx Swmp Cnfr		39						27	58	80	37	8			36				285
Spruce Fir		4							5	26									35
Swamp Hrdwds										11	80	88							179
Upland Brush	3																		3
Upland Hdwds										18	4							420	442
Water	3																		3
Total	42	73		42				27	63	163	121	99			36			420	1086

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 11

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	72																										72
C Cedar				31																							31
G Grass					5																						5
L Lowlnd Brush									31																		31
Q Mx Swmp Cnfr												285															285
F Spruce Fir																			35								35
E Swamp Hrdwds																				179							179
U Upland Brush																								3			3
M Upland Hdwds																								442			442
Z Water																									3		3
Total	72			31	5				31			285							35	179				3	442	3	1086

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 11

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	9259 Cds	Hardwood	1120 Cds
Hardwood	362 Mbf	Hardwood	28 Mbf
Softwood	3643 Cds	Sum CutVol	1176 Cds
Softwood	96 Mbf		
Sum TotVol	13818 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	80
1086		Acres Meeting Silv Criteria.....	487
		Acres Not Meeting Silv Criteria.....	599
		Acres Unable to Determine Silv Criteria For.....	

**Proposed Treatments
With Limiting Factors**

Compartment:

Entry Year:

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

Total Acres..... #Error

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 11

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
31	M6	80	0	68	NORTHERN HARDWOOD	UNEVENAGED	SELECTION	2		Stand with FDF potential

comnts Fmd : Area treated under timber sale # 005-92-01. M6M8 now,
Cut again this tp. Need some road work

Total Acres..... 80

* 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. D B	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	A 5	A 1	12	22	5	40	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A4P4, a few fir and birch in the stand.														
2	A 5	A 1	12	22	5	60	62	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A6P4F4, a few birch and spruce and cedar in the stand.														
3	M 6	M 1	12		11	80	61	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : THINNED IN 1988, and 2003, prmt. # 4-02-01, some dead maple within the stand.														
4	E 6	M 1	11	87	10	100	65	swamp hardwoods	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle														
comnts Fmd : E4M4A4S4, now, a lot of the aspen has died, changing to E and M type, it is a wetter area, with some Q type mixed in. Leave stand for a buffer between private and the M6 stands.														
5	M 6	M 2	6		9	80	56	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Cut prmt. #005-02-01. Stand was to be uderplanted with hemlock after the sale, but there was no access for the planting crew.														
Wld : Mesic conifer interim guideline														
6	F 2	F 1	4	4	1	0	61	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
comnts Fmd : Cut prmt #5-02-01. Stand is now F1A1U1Q1Q4, Some fir , aspen, soft maple, reproduction is coming in, a mix of bigger cedar, hemlock, some big white pine and hardwoods are left .														
7	Q 6	U 0	3	93	9	130	65	mixed swamp conifer	mature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : BIG, FAIR-POOR CEDAR, BALSAM IS DYING.														
8	M 9	M 1	24		12	80	52	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : M7M5Q4, Cut prmt.#005-02-01, a good mix of hard and soft maple, yellow birch, basswood, and black cherry, with some spruce, cedar and hemlock scattered in the stand.														
9	Q 6	E 2	23	91	8	90	35	mixed swamp conifer	immature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : FAIR CEDAR, SCATTERED CLUMPS OF BALM, B ASH SAPS.														
10	Q 4	F 1	39	4	9	30	62	mixed swamp conifer	immature	N		50-59 years	0	
comnts Fmd : Cut prmt. #005-02-01. Some big hardwood trees were left for wildlife, along with the cedar, hemlock and pine. Stand 65 and stand 16 were included into stand 10, after sale.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D B	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
11	Q 5	F 2	28	77	6	50	57	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA. POG, Q4E4 OVERALL</p> <p>Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur, maintain snow intercept and thermal qualities of conifer for wildlife during winter, and provide down woody debris forest structure for mammals, amphibians, birds, and insects.</p>														
12	Q 6	Q 2	35	79	7	70	70	mixed swamp conifer	immature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : FIR DYING, PATCHES OF E2,B2</p>														
13	M 6	M 1	35		11	80	55	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : M6M7, Cut prmt.# 005-02-01, a mix of hard and soft maple, yellow birch, black cherry, and basswood. Access across pvt. from the north.</p>														
14	E 4	E 3	10	99	5	20	20	swamp hardwoods	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA potential old growth , Part of riparian corridor, very poor site, lots of small black ash.</p> <p>Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.</p>														
15	M 6	M 1	2		10	70	56	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Cut prmt. # 005-02-01. M6M7, now , mostly soft maple, with some hard maple, yellow birch, cedar, hemlock, mixed in, and a few big white pine .</p>														
17	E 6	E 1	35	90	9	80	44	swamp hardwoods	mature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : E5Q5, MIXED LOT</p>														
18	F 6	F 1	8	86	8	100	55	spruce-fir (uplands-including upland black spruce)	mature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Influence zones</p> <p>comnts Fmd : F5M4Q4, leave for buffer along creek.</p>														
19	Q 5	M 1	8	99	10	40	66	mixed swamp conifer	mature	Y		50-59 years	0	
<p><u>Treatment Limiting Factors:</u> Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : Cut prmt. #6-02-01some cedar, hemlock left and a couple of big old hardwoods.</p>														
20	M 6	M 1	46		10	70	64	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Cut permit #6-02-01, M5M7 now, mix of hardwood species, mostly soft maple, with some hemlock and pine mixed in.</p>														

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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
21	Q 5	Q 2	2	79	6	60	50	mixed swamp conifer	immature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : Conifer type, spruce, fir, hemlock, check next t.p.</p>														
22	M 6	F 1	18	85	11	80	65	northern hardwood	mature	N		10-19 years	0	
<p>comnts Fmd : M5A4S4, aspen are dying, poor quality hardwood, Cut next t.p. with stand 20.</p>														
23	Q 5	Q 1	27	75	10	50	55	mixed swamp conifer	immature	N		50-59 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : H4F2, Cut prmt. 6-02-01, a few hemlock, cedar,spruce, are left, and a few big red maple, and yellow birch.. The stand is a combination of stands 23, and 28.</p>														
24	A 3	A 1	18	18	4	0	64	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : CUT SALE #4-92-01 , A3 is 15-30 ft talll, 2-4 in. dbh. Stand has some birch, maple, and black cherry mixed in.</p>														
25	M 5	F 1	14		8	50	61	northern hardwood	immature	N		20-29 years	0	
<p>comnts Fmd : CUT PRMT. # 5-92-01 SOME MPLE., SPRUCE, CEDAR, HEMLOCK POLES LEFT.</p>														
26	M 6	M 1	30		11	70	55	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : CUT PRMT. #5-92-01, M5M7 now.</p>														
27	Q 6	E 1	11	93	7	100	62	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : SOME SOFTWOOD AND BAM, POOR HRDWD</p>														
29	E 6	E 1	45	92	7	80	36	swamp hardwoods	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA, part of corridor along the creek.</p> <p>Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.</p>														
30	M 6	M 1	38		9	70	64	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : CUT PRMT. #5-92-01, , M5M7 now.</p>														
31	M 6	M 1	80		11	130	68	northern hardwood	unevenaged	Y	selection	within 0-9 years	2	
<p>comnts Fmd : Area treated under timber sale # 005-92-01. M6M8 now, Cut again this tp. Need some road work</p>														
32	C 6	U 0	3	106	9	180	55	cedar	mature	N		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : WET AREA. HARD TO OPERATE HERE.</p>														

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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								
33	E 6	Q 2	39	98	7	80	48	swamp hardwoods	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : E5F4-Some fir, spruce and small, poor quality ash and other hardwood.														
34	Q 6	Q 1	23	66	9	110	64	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Q6E4, VARIABLE STD														
35	Q 6	E 2	15	85	7	80	60	mixed swamp conifer	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : E4Q4, save for wildlife cover.														
36	M 5	M 1	26		8	60	50	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Cut Prmt. # 4-92-01, M5F4 now, some aspen and cedar mixed in the stand.														
37	M 5	M 1	19		9	60	63	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Cut Prmt.# 4-92-01, M5 now, mostly soft maple, with some hard maple and fir mixed in.														
38	Q 6	E 2	19	78	7	80	42	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Cedar or Hemlock cutting restraints														
Blocked by other physical obstacle														
comnts Fmd : C5E4, Wet area to work in, and to get to, some dead trees in stand, check next t.p.														
39	C 6	F 1	2	86	8	90	42	cedar	immature	N		80+ years	0	
comnts Fmd : C5M4, Leave for wildlife cover.														
40	M 5	M 1	33		9	60	57	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Area treated under timber sale # 005-92-01. M5 now, with hard and soft maple, some basswood, black cherry, and fir in stand. Deer browsing on reproduction.														
41	M 5	M 1	14		9	40	57	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Area treated under timber sale # 005-92-01. Some fir and cedar in stand also. Deer browsing on reproduction.														
42	Q 6	Q 2	33	137	8	110	27	mixed swamp conifer	mature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : Leave for wildlife cover.														
43	C 4	C 3	26	86	5	30	22	cedar	immature	N		not scheduled	0	
comnts Fmd : SMALL POOR QUALITY CEDAR, CHECK IN 30 YEARS														
44	M 4	M 2	4	93	8	30	63	northern hardwood	immature	N		30-39 years	0	
comnts Fmd : Cut prmt# 05-92-01, stand is now M4M3C4 F1.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
45	A 3	A 1	30	6	1	0	64	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Cut prmt. #6-02-1, A3 is 1/2 to 2 inches dbh, 10-20 feet tall. A few fir and black cherry in the stand also.														
46	M 6	M 1	14		10	130	55	northern hardwood	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : SCA. POG, Too wet to get to , creeks to cross, beaver areas. Leave for wildlife, and riparian corridor.														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														
47	M 6	M 2	5		10	100	52	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : SCA, POG, SMALL ISLAND IN THE SWAMP, TOO WET TO GET TO.														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														
48	Q 5	F 2	3	77	6	50	57	mixed swamp conifer	low quality	N		20-29 years	0	
comnts Fmd : Q4E4 OVERALL														
49	M 6	M 2	9		10	120	55	northern hardwood	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : SCA, POG. Nice maple stand to leave for buffer along wet area.														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														
50	E 4	E 3	39	99	5	20	20	swamp hardwoods	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : SCA, POG, VERY POOR SITE NEARLY PURE SMALL B ASH														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														
52	M 6	M 2	10		10	120	64	northern hardwood	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : SCA, POG, leave for riparian corridor.														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														

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Stand	Cover Type-Size 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								
53	Q 5	Q 3	5	79	7	60	50	mixed swamp conifer	immature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Cedar or Hemlock cutting restraints														
comnts Fmd : Thick conifers, some hemlock, leave for wildlife.														
54	F 6	F 1	5	75	8	90	55	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : SCA, POG. Leave for riparian corridor, F5M4A4														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														
55	Q 6	Q 1	4	66	9	110	64	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Q6E4 VARIABLE STD														
56	Z 0	Z 0	1					water	nonstocked	N		not scheduled	0	
comnts Fmd : POND ON DEER CRK.														
57	Z 0	Z 0	1					water	nonstocked	N		not scheduled	0	
comnts Fmd : POND ON DEADHORSE CRK														
58	L 0	L 0	2				0	15	lowland brush	old growth (potential or actual)	N	not scheduled	0	
comnts Fmd : SCA, riparian corridor.														
59	L 0	L 0	12					0	15	lowland brush	old growth (potential or actual)	N	not scheduled	0
comnts Fmd : SCA, riparian corridor.														
60	L 0	L 0	5					0	15	lowland brush	old growth (potential or actual)	N	not scheduled	0
comnts Fmd : SCA, riparian corridor.														
61	L 0	L 0	9					0	15	lowland brush	old growth (potential or actual)	N	not scheduled	0
comnts Fmd : SCA, part of riparian corridor.														
62	F 6	F 1	4	78	8	90	70	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : SCA, POG, riparian corridor														
Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.														

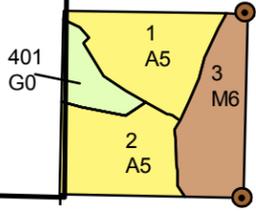
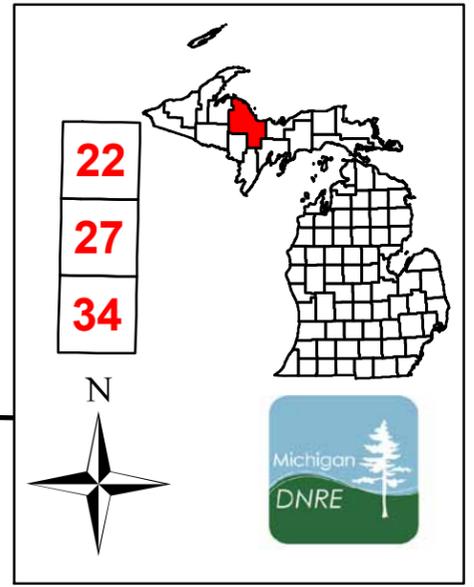
* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
63	F 6	F 1	14	78	9	70	70	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA, riparian corridor</p> <p>Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.</p>														
64	M 6	M 1	3		10	140	55	northern hardwood	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA, POG, riparian corridor.</p> <p>Wld : SCA-Potential Old Growth Stand. Riparian and wildlife corridor. No treatment is recommended to allow for natural processes to occur and provide down woody debris forest structure for mammals, amphibians, birds, and insects.</p>														
66	Z 0	Z 0	1			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : POND ON DEER CREEK.</p>														
67	L 0	L 0	3			0	15	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA, POG</p>														
68	Q 6	Q 2	3	137	8	110	27	mixed swamp conifer	mature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : Leave for wildlife cover.</p>														
69	Q 6	Q 2	4	79	7	70	70	mixed swamp conifer	immature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : FIR DYING,</p>														
70	U 2	U 0	1		1	0	60	upland brush	nonstocked	N		50-59 years	0	
<p>comnts Fmd : The G-opening has converted mostly to brush, aspen, birch, black cherry, and white pine. The reproduction is 2-4 inches dbh, 15-20 ft. tall.</p>														
71	U 2	U 0	2		1	0	60	upland brush	nonstocked	N		50-59 years	0	
<p>comnts Fmd : The G-opening has converted mostly to brush, aspen, birch, black cherry, and white pine. The reproduction is 2-4 inches dbh, 15-20 ft. tall.</p>														
401	G 0	G 0	4			0	60	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Filling in with F,A,T,P,S.</p>														
402	G 0	G 0	1			0	57	grass	nonstocked	N		not scheduled	0	

Total Acres..... 1086

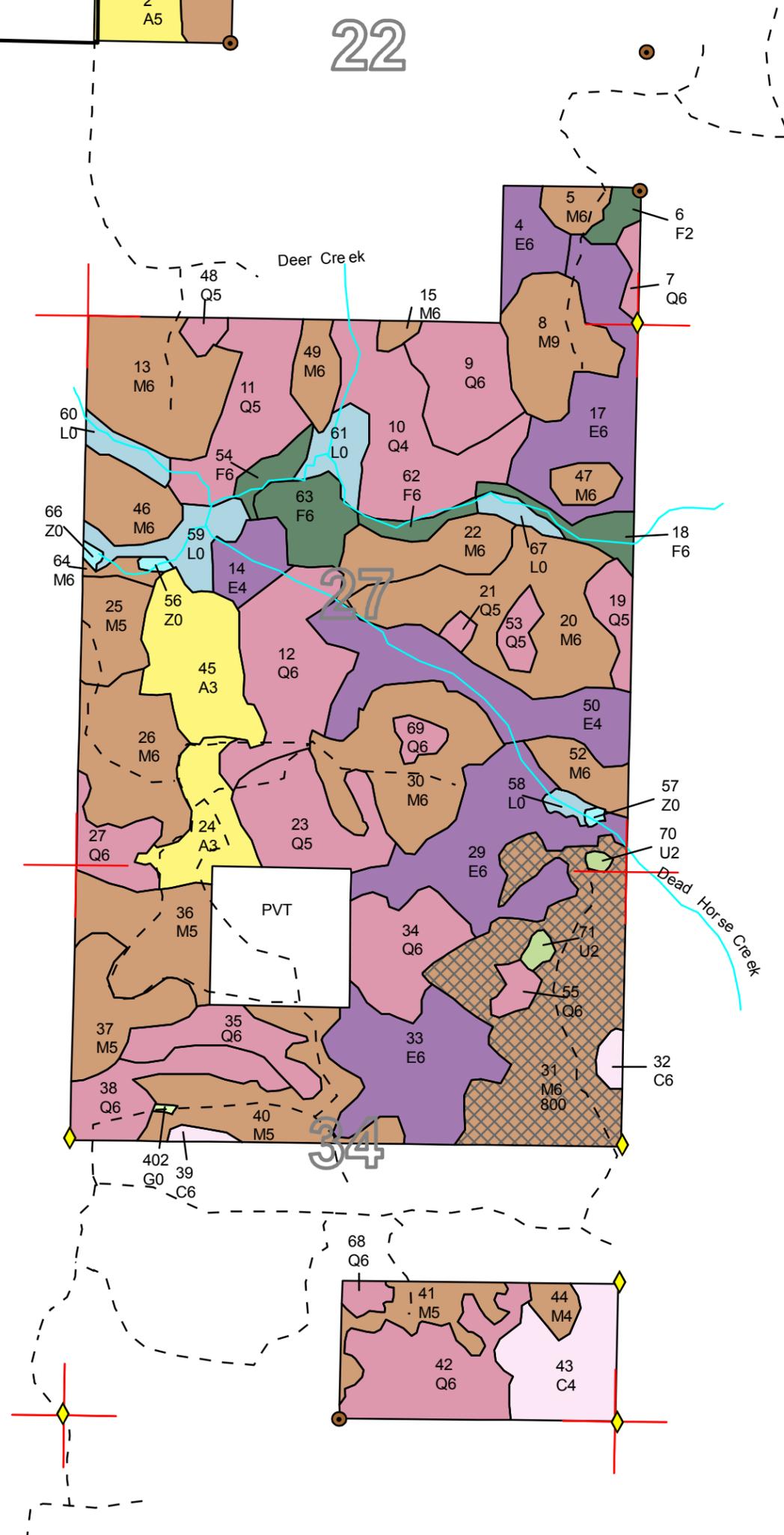
Covertime & Treatment Map

Compartment 11
 T44N, R23W, Sec. 22, 27, 34
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 1,086 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/27/2010
 Map Phase: Pre-review



Legend

- Rls Corners
- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Wooden Posts
- Water Features
- Stand Boundary
- 800 - Selection
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- Q - Mixed Swamp Conifers
- U - Upland Brush
- Z - Water



1 0.5 0 1 Miles

87°11'0"W 87°10'0"W 87°9'0"W

46°12'0"N

46°11'0"N

46°10'0"N

46°12'0"N

46°10'0"N

Stand Boundary Map

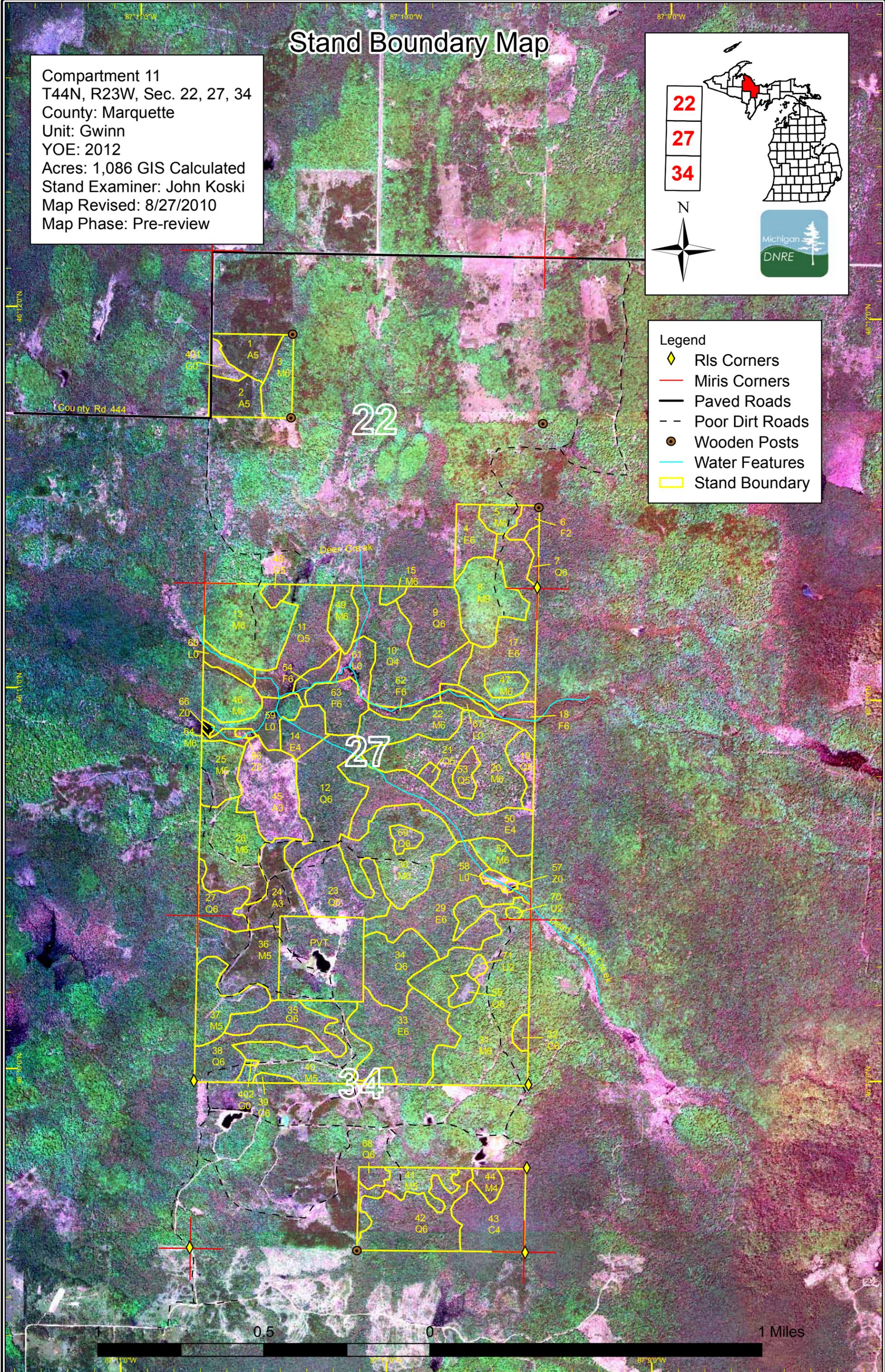
Compartment 11
 T44N, R23W, Sec. 22, 27, 34
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 1,086 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/27/2010
 Map Phase: Pre-review

22
27
34

N

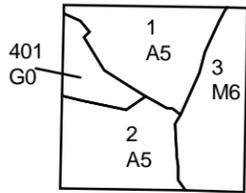
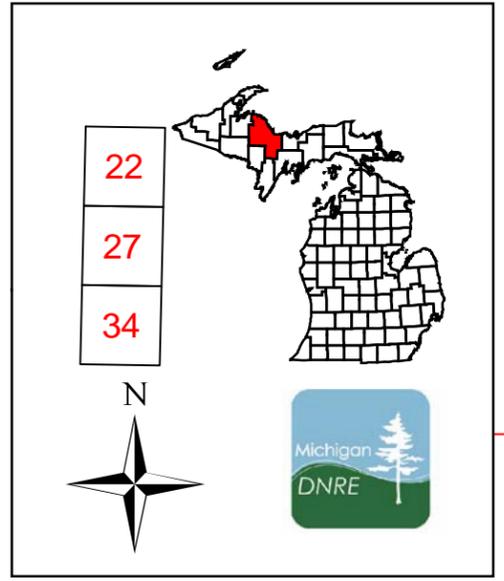
Legend

- RIs Corners
- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Wooden Posts
- Water Features
- Stand Boundary



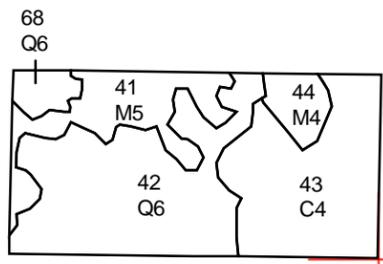
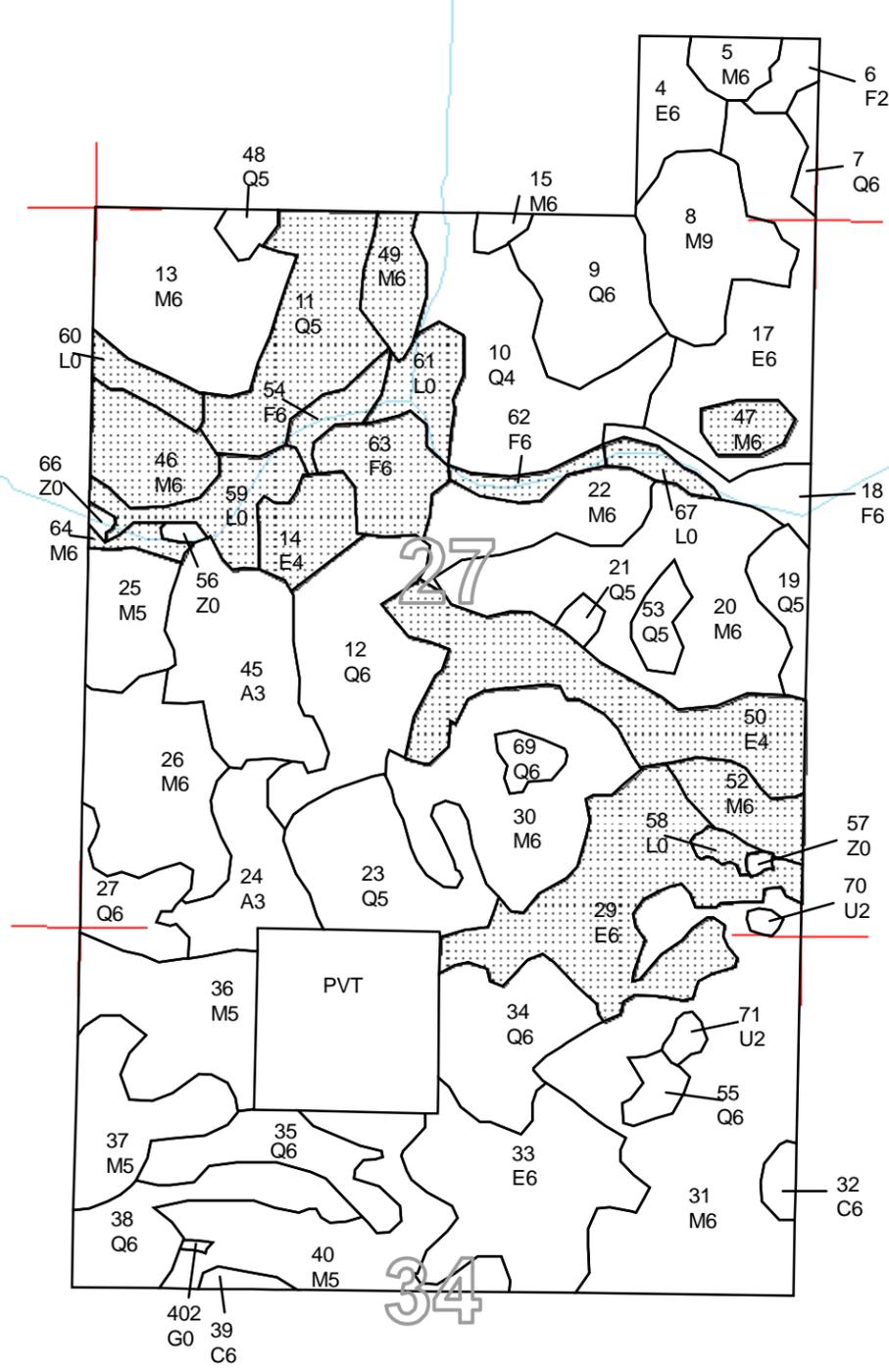
Dedicated & Proposed Special Conservation Area Map

Compartment 11
 T44N, R23W, Sec. 22, 27, 34
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 1,086 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 6/11/2010
 Map Phase: Pre-review



Legend

- Miris Corners
- Stand Boundary
- Proposed Special Conservation Areas
- Dedicated Special Conservation Areas**
- Cold Water Streams



87°11'0"W
87°10'0"W
87°9'0"W



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	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.
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.