



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment: 86 Entry Year: 2012
Compartment Acreage: 1951 County: Marquette**

Revision Date: 7/28/2010

Stand Examiner: John M. Koski

Legal Description: T43N R24W Sec. 1,2,3

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: Munscong, Bergland and Ogemaw, Carbondale-Rifle-Spaulding Peat and Trenary sandy loam. Mostly flat with a few upland ridges.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership on three sides, with private on the east.

Unique, Natural Features: Potential for northern goshawk and red-shouldered hawk. Potential for bald eagle, osprey, and great blue heron rookery. Potential for black-backed woodpecker and spruce grouse. Potential for moose and wolf. Potential for frigga fritillary, freija fritillary, and red-disked alpine. Potential for calypso orchid, rayless mountain ragwort, and rams head lady's-slipper in conifer swamps.

Archeological, Historical, and Cultural Features: None identified with HAL.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment lies within the Dead Horse Moraines 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 and peat and muck. There is between 10 and 50 feet of glacial drift or insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subgroups below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. Gravel pits are located to the west of the compartment, and potential appears to be good. Abandoned iron mines are located nine miles to the northwest, but this compartment has never been leased. There is no economic oil and gas production in the UP.

Vehicle Access: Good to sections 1 and 2 via good and poor dirt roads, poor to section 3 via old logging roads.

Survey Needs: None

Recreational Facilities and Opportunities: Snowmobiling, 4-wheeling, hunting.

Fire Protection: compartment is within 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: 86

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		101	153	169	110	4			31	12	57								637
Black Spruce										7	14								21
Bog or Marsh	29																		29
Cedar			6								37	20							63
Grass	10																		10
Lowlnd Brush	89																		89
Lowlnd Poplr									23	24	112								159
Mx Swmp Cnfr										22	193	258	6	17					496
Paper Birch																		15	15
Spruce Fir		5		7			1			11	10							11	45
Swamp Hrdwds									22	126	35	28			27				238
Upland Hdwds									2	14								120	136
Water	13																		13
Total	141	106	159	176	110	4	1		78	216	458	306	6	17	27			146	1951

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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: 86

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	637																										637
S Black Spruce		21																									21
V Bog or Marsh			29																								29
C Cedar				63																							63
G Grass					10																						10
L LowInd Brush									89																		89
P LowInd Poplr										159																	159
Q Mx Swmp Cnfr											496																496
B Paper Birch																								15			15
F Spruce Fir	5																		40								45
E Swamp Hrdwds																				238							238
M Upland Hdwds																								136			136
Z Water																									13		13
Total	642	21	29	63	10				89	159		496							40	238				151	13	1951	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **86**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10513 Cds	Hardwood	2622 Cds
Hardwood	249 Mbf	Softwood	764 Cds
Softwood	6621 Cds	Sum CutVol	3386 Cds
Softwood	5 Mbf		
Sum TotVol	17642 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	140
1951		Acres Meeting Silv Criteria.....	1047
		Acres Not Meeting Silv Criteria.....	904
		Acres Unable to Determine Silv Criteria For.....	

GWINN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 86

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
68	A5	7	80	55	ASPEN (UPLAND)	MATURE	FINAL HARVEST	3		
TREATMENT LIMITING FACTORS: Easement/lease/long-term agreement (non-military) Inadequate volume due to small acreage										
comnts Fmd : A5F4P4, The state has 1/4 undivided interest in the stand. Stand could be cut when other stands in the area are cut.										
83	A6	53	90	61	ASPEN (UPLAND)	MATURE	FINAL HARVEST	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : A6F4M4, access to stand is almost impossible, it is a winter job, with a long snow plow on poor dirt roads to get to the compartment, then more plowing to get across the compartment on two track skid trails, then new roads to build, culverts to install across wet swampy stands that the beaver have flooded. Plus the terrain in the stand is hilly, with wet areas scattered about in the stand, that would be left for retention. Over all it would not be economically feasible to cut this stand.										
95	B6	8	0	66	NORTHERN HARDWOOD	UNEVENAGE D		6	PLANTING	
TREATMENT LIMITING FACTORS: Other Dept./Div. procedures or practices (describe in comment)										
comnts Fmd : Cut prmt# 21-02-01, now B6B7M4M7, Sale is still under contract. Some cedar in the stand, ASP CUT IN 1961, , UNDERPLANT HEMLOCK AFTER SALE IS COMPLETE.										
Total Acres.....		68								

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 86

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
3	M6	7	0	40	NORTHERN HARDWOOD	UNEVENAGE D	SELECTION	6		
comnts Fmd : Winter job. Wet access from east. Stand is not cut yet, sale is still on going, #21-02-01, it may be finished this winter, 2010										
6	F6	1	88	62	SPRUCE-FIR (UPLANDS-INCLUDING UPLAND BLACK SPRUCE)	MATURE	SHELTERWOOD-SEED	6		
comnts Fmd : F4 M4C4, WET, WINTER CUT, CUT ALL BUT CEDAR AND HEMLOCK. MANAGE WITH STAND 3, Stand has not been cut yet, it is scheduled with prmt# 21-02-01, it may be cut the winter of 2010.										
7	A6	1	79	64	ASPEN (UPLAND)	MATURE	FINAL HARVEST	6		
comnts Fmd : Not cut yet, stand is under sale contract #21-02-01, may be cut the winter of 2010.										
11	A6	22	75	80	ASPEN (UPLAND)	MATURE	FINAL HARVEST	2		
comnts Fmd : A4F4M4, Cut now.										
15	M6	1	0	40	NORTHERN HARDWOOD	UNEVENAGE D	SELECTION	6		
comnts Fmd : Sale is not cut yet, still under contract, # 21-02-01, it may be cut the winter of 2010. Wet access from east.										
22	A6	1	86	51	ASPEN (UPLAND)	MATURE	FINAL HARVEST	2		
comnts Fmd : A6M4, AREA LEFT ALONG RD, WHEN STD. 24 WAS CUT, COULD CUT THIS T.P. IF OTHER STANDS IN THE AREA ARE BEING CUT.										
28	F6	11	79	71	SPRUCE-FIR (UPLANDS-INCLUDING UPLAND BLACK SPRUCE)	MATURE	FINAL HARVEST	2		
comnts Fmd : F5A5M4, cut now with stand 33.										
33	M6	14	79	71	NORTHERN HARDWOOD	MATURE	FINAL HARVEST	2		
comnts Fmd : A5F4M4 , A lot of the aspen has died, changing to maple and fir. Cut now with stand 28.										
49	F6	11	0	40	SPRUCE-FIR (UPLANDS-INCLUDING UPLAND BLACK SPRUCE)	UNEVENAGE D	FINAL HARVEST	2		
comnts Fmd : F5B4A4M4, Cut this t.p. with stand 11.										
59	A6	9	75	80	ASPEN (UPLAND)	MATURE	FINAL HARVEST	2		
comnts Fmd : A5M5F4B4, Cut this t.p. with stand 11.										
116	M6	2	75	80	NORTHERN HARDWOOD	MATURE	SELECTION	2		
comnts Fmd : M6A4F4, small hardwood stand within stand 11, could delineate it out and mark it, when cutting std. 11.										
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. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	M 6	M 1	14		10	80	48	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : M5M7, now, cut perm. # 21-02-01, ASP CUT OUT IN 1978,														
2	Q 6	F 1	81	102	8	70	22	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : NO WORK NEEDED FOR MANY YEARS, Q5E4E7														
3	M 6	F 1	7		9	140	40	northern hardwood	unevenaged	Y	selection	within 0-9 years	6	
comnts Fmd : Winter job. Wet access from east. Stand is not cut yet, sale is still on going, #21-02-01, it may be finished this winter, 2010														
4	A 6	F 1	1	86	9	80	67	aspen (upland)	mature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u> Too wet Inadequate volume due to small acreage														
comnts Fmd : area too small to harvest this t.p., also too wet.														
5	C 6	F 1	8	107	7	120	20	cedar	immature	N		80+ years	0	
comnts Fmd : NO NEEDS FOR MANY YRS .														
6	F 6	F 1	1	88	8	70	62	spruce-fir (uplands-including upland black spruce)	mature	Y	shelterwood-seed	within 0-9 years	6	
comnts Fmd : F4 M4C4, WET, WINTER CUT, CUT ALL BUT CEDAR AND HEMLOCK. MANAGE WITH STAND 3, Stand has not been cut yet, it is scheduled with prmt# 21-02-01, it may be cut the winter of 2010.														
7	A 6	F 1	1	79	8	90	64	aspen (upland)	mature	Y	final harvest	within 0-9 years	6	
comnts Fmd : Not cut yet, stand is under sale contract #21-02-01, may be cut the winter of 2010.														
8	E 4	L 0	12	75	6	30	45	swamp hardwoods	sparse	N		40-49 years	0	
comnts Fmd : E4L JUNK														
9	C 5	C 1	3	101	6	50	20	cedar	immature	N		40-49 years	0	
10	P 5	L 0	15	69	6	50	45	balsam poplar & swamp aspen and swamp white birch	low quality	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Too wet Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : WET NO NEEDS NOW														
11	A 6	F 1	22	75	11	130	80	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : A4F4M4, Cut now.														
12	V 0	V 0	23			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : BOG IN SEC 3														

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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
13	A 3	U 1	39	24	4	0	70	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : CUT 1986 # 22-82-1, A3, 2-5 IN. DBH, 15-25 FT TALL														
14	E 6	L 0	87	87	8	100	57	swamp hardwoods	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Too wet Blocked by other physical obstacle														
comnts Fmd : E5Q4L LOW AND WET HIGHLY VARIABLE HVY L SCATT POOR QUAL SAWLOGS														
15	M 6	F 1	1		9	140	40	northern hardwood	unevenaged	Y	selection	within 0-9 years	6	
comnts Fmd : Sale is not cut yet, still under contract, # 21-02-01, it may be cut the winter of 2010. Wet access from east.														
16	E 6	L 0	10	75	5	120	49	swamp hardwoods	low quality	N		20-29 years	0	
comnts Fmd : E5Q4L W SIDE HVY TO B ASH E HVYR TO CONIFERS, NO NEEDS FOR MANY YEARS.														
17	C 5	L 0	9	101	6	50	24	cedar	low quality	N		not scheduled	0	
comnts Fmd : POOR WET NO NEEDS FOR A LONGTIME E4C4														
18	A 3	A 1	24	6	1	0	64	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Cut prmt. #20-02-01, A3 is 1/2- 2 inches dbh, 5-15 feet tall,														
19	E 4	Q 1	28	101	5	20	23	swamp hardwoods	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : E4L VERY WET NON MERCHANTIBLE FOR EVER. CEDAR EASIEST TREE TO GET TO. FOR SI														
20	P 4	F 1	8	77	6	30	47	balsam poplar & swamp aspen and swamp white birch	sparse	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc. Inadequate volume due to small acreage														
comnts Fmd : P4L SPRUCE AND FIR SEEDING IN, NON MERCH FOR A LONG TIME, HEAVY BRUSH														
21	F 5	F 1	2	89	8	60	56	spruce-fir (uplands-including upland black spruce)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc. Inadequate volume due to small acreage														
comnts Fmd : Wet access to stand, small acreage, low volume, leave until stand 13 is cut again.														
22	A 6	F 1	1	86	8	110	51	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : A6M4, AREA LEFT ALONG RD, WHEN STD. 24 WAS CUT, COULD CUT THIS T.P. IF OTHER STANDS IN THE AREA ARE BEING CUT.														
23	V 0	V 0	6			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : BOG														

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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
24	A 5	A 1	45	24	5	40	51	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : CUT 1986 # 22-82-1, A5 now with a few black cherry, maple, and fir mixed in.														
25	P 4	L 0	24	80	6	30	37	balsam poplar & swamp aspen and swamp white birch	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : VERY POOR														
27	A 6	F 1	13	35	5	70	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A5F4M4.														
28	F 6	F 1	11	79	10	100	71	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : F5A5M4, cut now with stand 33.														
29	M 5	F 1	6		9	60	52	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Cut prmt# 21-02-01, M5B4 now, was cut in 1983-84, # 2-83-1.														
30	A 6	F 1	4	38	9	80	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A6F4M4, CUT IN 1971,														
31	M 6	M 1	7		10	80	65	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : M5B4M7 now, sale cut prmt# 02-21-01, aspen was cut in 1971. UNDERPLANT HEMLOCK AFTER SALE IS COMPLETE.														
32	M 6	M 1	8		9	70	62	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Cut prmt# 21-02-01, M6 now, mostly soft maple, with some hard maple mixed in, aspen was cut out in 1966.														
33	M 6	M 1	14	79	11	100	71	northern hardwood	mature	N	final harvest	within 0-9 years	2	
comnts Fmd : A5F4M4 , A lot of the aspen has died, changing to maple and fir. Cut now with stand 28.														
34	E 4	L 0	13	97	6	20	62	swamp hardwoods	sparse	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : TOO WET, LOW VOLUME														
35	A 6	F 1	14	36	6	90	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A5F4M4, a few birch, spruce, and cedar in the stand also.														
36	M 6	M 1	13		11	80	66	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Cut prmt# 21-02-01, M6M7 now, ASP CUT IN 1961, SMALL PART OF STD IN NW THINNED, # 2-83-1, UNDER PLANT HEMLOCK AFTER SALE IS COMPLETE.														

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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
37	S 4	L 0	7	80	5	10	20	black spruce-swamp	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to low stocking/small diameter/etc.														
Inadequate volume due to small acreage														
comnts Fmd : Poor site														
38	A 5	A 1	5	36	5	40	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A4M4, with some fir and white birch mixed in. Majority of stand was cut in 1974, and some was cut in 1980.														
39	Q 6	Q 2	18	82	5	70	22	mixed swamp conifer	low quality	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Cedar or Hemlock cutting restraints														
Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : Q5B4, Leave for wildlife.														
40	Q 6	F 1	23	92	7	110	24	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : NO NEEDS NOW														
41	E 5	Q 1	8	88	6	40	43	swamp hardwoods	low quality	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : WET POOR E5L														
42	A 3	U 0	27	25	4	0	80	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : A3, 3-5 IN DBH, 25-30 FT TALL, a few pole sized trees in stand, cut in 1986 # 22-82-1														
43	F 2	F 1	7	21	4	0	58	spruce-fir (uplands-including upland black spruce)	immature	N		30-39 years	0	
comnts Fmd : Std, was cut prmt# 11-87-1, F2 F4,M2,A1,L, now with a few pole sized trees in stand.														
44	A 6	M 1	2	83	10	120	75	aspen (upland)	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to small acreage														
comnts Fmd : A5F4M4, ACCESS FROM NORTH ACROSS GARY KIVIOJA'S . Leave for wildlife, too small to economically cut.														
45	Q 4	Q 2	105	102	6	30	27	mixed swamp conifer	sparse	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : No needs for many years.														
46	P 5	E 2	17	90	8	60	43	balsam poplar & swamp aspen and swamp white birch	low quality	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : REAL JUNK P4Q4E2 NO NEEDS														

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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
47	A 3	U 0	32	15	3	0	69	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : CUT PRMT.# 27-92-01, A3 IS NOW 2-4" DBH, 20-30 FT TALL														
48	S 4	S 2	14	95	5	10	28	black spruce-swamp	sparse	Y		40-49 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : POOR STD, NO NEEDS FOR A LONG TIME.														
49	F 6	F 1	11		9	130	40	spruce-fir (uplands-including upland black spruce)	unevenaged	Y	final harvest	within 0-9 years	2	
comnts Fmd : F5B4A4M4, Cut this t.p. with stand 11.														
50	Q 1	L 0	4	82	3	0	25	mixed swamp conifer	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : MIX OF SMALL CEDAR AND BLACKSPRUCE OVER L NO NEEDS FOR A LONG TIME.														
51	Q 6	Q 1	4	92	5	110	30	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints														
comnts Fmd : NICE THICK C AND F														
52	Q 5	Q 1	46	105	5	50	24	mixed swamp conifer	low quality	Y		40-49 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : Q5Q1L MIGHT BE MERCH IN 50 YEARS														
53	Q 5	L 0	6	110	8	50	50	mixed swamp conifer	sparse	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Inadequate volume due to low stocking/small diameter/etc. Inadequate volume due to small acreage														
comnts Fmd : LOTS OF BLOWDOWNS														
54	E 4	Q 1	17	128	5	30	22	swamp hardwoods	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : POOR SHORT TREES HEAVY BRUSHWET E4Q1L NO NEEDS FOR A LONG TIME. CEDAR TREE EASIEST TO BORE														
55	A 3	U 0	32	25	4	0	70	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : A3, 2-5 IN DBH, 20-30 FT TALL, some blackcherry and fir in the std., Cut prmt# 22-82-01														
56	Q 6	U 0	35	94	7	80	28	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints														
comnts Fmd : Q5E4 NO NEEDS FOR MANY YEARS.														

* 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
57	C 4	F 1	6	15	5	20	57	cedar	immature	N		40-49 years	0	
comnts Fmd : CUT PERMIT 28-92-01.														
58	C 5	E 2	37	95	5	60	30	cedar	immature	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints														
comnts Fmd : C5E2 NOTHING TO DO FOR MANY YRS														
59	A 6	F 1	9	75	11	120	80	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : A5M5F4B4, Cut this t.p. with stand 11.														
60	E 4	L 0	11	80	5	10	40	swamp hardwoods	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc. Inadequate volume due to small acreage														
comnts Fmd : BLACK ASH AND L														
61	A 6	F 2	25	15	5	80	68	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Cut prmt# 28-92-01.														
62	M 6	M 1	13		9	90	53	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : M6B4F4 now, cut prmt#19-02-01 , Some aspen cut out in 1969.														
63	F 6	F 2	1	50	7	90	80	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : CUT 1959 LEFT THE FIR AND SCATTERED HDWDS, CUT NEXT TIME STAND 64 IS CUT.														
64	M 6	M 1	14		11	90	42	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : M6M7 now, Cut prmt# 19-02-01.														
65	A 6	A 1	14	32	5	90	70	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A5M4, CUT 1978, RESID CUT 1980,														
66	A 6	F 1	24	34	5	70	75	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A6M4F4, CUT 1976,														
67	A 6	F 1	40	35	6	90	75	aspen (upland)	immature	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Easement/lease/long-term agreement (non-military)														
comnts Fmd : A6M4F4, CUT 1975, STATE HAS UNDIVIDED THREE QUARTER INTEREST, IN 30 ACRES OF SWSW, OF SEC 2														
68	A 5	F 1	7	80	8	60	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u> Easement/lease/long-term agreement (non-military) Inadequate volume due to small acreage														
comnts Fmd : A5F4P4, The state has 1/4 undivided interest in the stand. Stand could be cut when other stands in the area are cut.														

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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	A 3	U 0	53	15	3	0	61	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : A3 IS 2-4 IN. DBH., 20-30 FT TALL. CUT PRMT. #27-92-01														
70	Q 6	L 0	18	102	7	70	27	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle														
comnts Fmd : Q4E4L, NO NEEDS , TOO WET														
71	A 6	F 1	3	95	9	80	52	aspen (upland)	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage														
comnts Fmd : A5F4, LEAVE FOR WILDLIFE.														
72	Q 6	L 0	74	94	8	80	17	mixed swamp conifer	immature	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : NO NEEDS FOR MANY YRS, BIRCH DYING.														
73	P 5	L 0	64	91	8	50	52	balsam poplar & swamp aspen and swamp white birch	low quality	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : P5L P ONE HALF B POPLAR AND ONE HALF W BIRCH NO NEEDS FOR A LONGTIME														
74	P 5	Q 2	31	90	8	50	50	balsam poplar & swamp aspen and swamp white birch	low quality	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : P5Q2 CK 30 YRS LET FIR TAKE OVER Q PREDOMINANTLY FIR														
75	E 5	L 0	6	85	6	50	43	swamp hardwoods	low quality	Y		80+ years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : E4Q4, LOW, WET, AREA,														
76	A 4	A 1	10	15	4	10	71	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : A4A3, 2 TO 4" DBH, 15-30 FT TALL, CUT PRMT. # 27-92-01.														
77	E 5	L 0	14	90	6	50	27	swamp hardwoods	low quality	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Too wet Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : E5L THICK BRUSH NO NEEDS FOR A LONG TIME. CEDAR EASIEST TO BORE. FOR SI														
78	Q 4	Q 1	17	122	7	40	18	mixed swamp conifer	low quality	Y		40-49 years	0	
<u>Treatment Limiting Factors:</u> Too wet Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : Q4E4Q1L WET VERY POOR HEAVY BRUSH														

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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
79	Q 6	Q 2	57	92	7	100	31	mixed swamp conifer	immature	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : E VERY BAD C IS PRETTY GOOD BUT SHORT LET GROW 30 YEARS BROKEN SNOWSHOE LEFT ON W SIDE OF THIS STAND</p>														
80	F 6	F 1	4	94	9	80	58	spruce-fir (uplands-including upland black spruce)	mature	Y		80+ years	0	
<p><u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Inadequate volume due to small acreage</p> <p>comnts Fmd : Stand would be very difficult to get to, a lot of Q type to cross, save forever.</p>														
81	A 3	U 0	21	21	4	0	75	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : A3, 2-5 IN. DBH, 20-30 FT TALL, a few pole sized trees in stand. CUT 1989 # 11-87-1</p>														
82	A 3	A 1	3	6	1	0	69	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Cut prmt. # 18-02-01, A3 is 1-2 inches dbh, 10-15 ft. tall.</p>														
83	A 6	F 1	53	90	10	100	61	aspen (upland)	mature	Y	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Blocked by other physical obstacle</p> <p>comnts Fmd : A6F4M4, access to stand is almost impossible, it is a winter job, with a long snow plow on poor dirt roads to get to the compartment, then more plowing to get across the compartment on two track skid trails, then new roads to build, culverts to install across wet swampy stands that the beaver have flooded. Plus the terrain in the stand is hilly, with wet areas scattered about in the stand, that would be left for retention. Over all it would not be economically feasible to cut this stand.</p>														
84	A 3	A 1	1	6	2	0	69	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Cut prmt. #18-02-01, A3 is 1-2 inches dbh, 10-20 ft. tall</p>														
85	A 3	A 1	72	6	2	0	69	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Cut prmt. #18-02-01, A3 is 1-2 inches dbh, 5-15 ft. tall, When stand 85 was cut the sale boundry extended south into stand 40 of compartment 85 for a few acres.</p>														
86	Z 0	Z 0	1			0		water	nonstocked	N		not scheduled	0	
<hr/>														
87	E 6	L 0	10	87	8	100	57	swamp hardwoods	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : E5Q4L LOW & WET HIGHLY VARIABLE HVY L SCATT</p>														
88	F 1	F 1	5	1	1	0	71	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : F1U now, cut prmt# 21-02-01</p>														
89	M 6	M 1	19		10	90	66	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Cut prmt# 21-02-01, Now M6M7, ASP CUT IN 1961 SMALL PART OF STD IN NW THINNED #2-83-1.</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								
90	E 4	L 0	12	80	5	30	40	swamp hardwoods	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to low stocking/small diameter/etc.														
Inadequate volume due to small acreage														
comnts Fmd : Low wet area , leave for buffer between stands along the road.														
91	A 6	F 1	1	90	9	110	61	aspen (upland)	mature	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : LEAVE FOR AGE CLASS DIST, A6F4M4														
92	Q 6	L 0	5	102	7	80	27	mixed swamp conifer	immature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Inadequate volume due to small acreage														
comnts Fmd : Q4E4L ,														
93	F 6	U 0	1	94	9	80	58	spruce-fir (uplands-including upland black spruce)	mature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Blocked by other physical obstacle														
comnts Fmd : TO WET TO GET TO.														
94	F 6	U 0	2	94	9	70	58	spruce-fir (uplands-including upland black spruce)	mature	Y		80+ years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Blocked by other physical obstacle														
comnts Fmd : TOO WET TO GET TO.														
95	B 6	F 1	8		10	80	66	northern hardwood	unevenaged	Y		within 0-9 years	6	planting
<u>Treatment Limiting Factors:</u>														
Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : Cut prmt# 21-02-01, now B6B7M4M7,Sale is still under contract. Some cedar in the stand, ASP CUT IN 1961, , UNDERPLANT HEMLOCK AFTER SALE IS COMPLETE.														
96	L 0	X 0	9			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
97	L 0	X 0	9			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
98	L 0	X 0	8			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
99	L 0	X 0	13			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														

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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
100	L 0	X 0	16			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
101	L 0	X 0	15			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
102	L 0	X 0	9			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
103	L 0	X 0	5			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
104	L 0	X 0	5			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : LOWLAND BRUSH														
105	A 3	U 0	1	20	1	0	68	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : A3A2. 1 to 2 in. dbh, 15-25 ft, tall, cut prmt. #20-87-01														
106	A 3	U 0	4	20	1	0	68	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : A3A2. 1to 2 in. dbh, 15-25 ft, tall, cut prmt. #20-87-01														
108	Z 0	Z 0	8			0		water	nonstocked	N		not scheduled	0	
comnts Fmd :														
109	Z 0	Z 0	4			0		water	nonstocked	N		not scheduled	0	
comnts Fmd :														
110	E 4	Q 1	10	128	5	30	22	swamp hardwoods	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : POOR SHORT TREES HEAVY BRUSH WET E4Q1L NO NEEDS FOR A LONG TIME. CEDAR EASIEST TO BORE FOR SI.														
111	Q 5	Q 1	3	105	5	50	24	mixed swamp conifer	low quality	Y		40-49 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : Q5Q1L MIGHT BE MERCH IN 50 YEARS														
112	A 3	U 0	24	15	1	0	69	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Cut prmt# 27-92-01, A3 is now 2 to 5 inches dbh. 20-30 ft tall.														
113	M 4	A 2	2		6	20	53	northern hardwood	unevenaged	N		40-49 years	0	
comnts Fmd : Cut prmt. #27-92-01, M4A2, A2 UNDERSTORY 1 TO 3 " DBH, 15-30 FT TALL														

GWINN FOREST MGT UNIT

Stand Level Information

Compartment: 86

Entry Year: 2012

* 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		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
114	A 3	A 1	1	6	1	0	64	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Cut prmt. #20-02-01, A3 is 1/2-2 inches dbh, 5-15 feet tall.														
115	M 5	F 1	16		9	50	48	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : M4M7, now, with some cedar, bam, aspen, and white birch mixed in, cut prmt. # 21-02-01, ASP CUT OUT IN 1978.														
116	M 6	F 1	2	75	11	100	80	northern hardwood	mature	N	selection	within 0-9 years	2	
comnts Fmd : M6A4F4, small hardwood stand within stand 11, could delineate it out and mark it, when cutting std. 11.														
117	B 6	F 1	7		10	90	66	northern hardwood	unevenaged	Y		20-29 years	6	
<u>Treatment Limiting Factors:</u>														
Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : Cut prmt# 21-02-01, stand is still under contract, now B5B7M4M7, ASP CUT IN 1961, UNDERPLANT HEMLOCK AFTER SALE IS COMPLETE. Stand is listed as unevenaged because originally it was an M6 stand, now after the harvest it is a B6 stand.														
118	A 3	U 0	9	15	3	0	61	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : A3 IS 2-4 IN. DBH., 20-30 FT TALL. CUT PRMT. #27-92-01														
400	G 0	G 0	7			0	53	grass	nonstocked	N		10-19 years	0	
comnts Fmd : DISCED SEEDED 1986, Filling in with A,F,S,T.														
401	G 0	G 0	1			0	71	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Filling in with A,F,S,T.														
402	G 0	U 0	2			0	51	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Filling in with A,F,S,T														
Total Acres..... 1951														

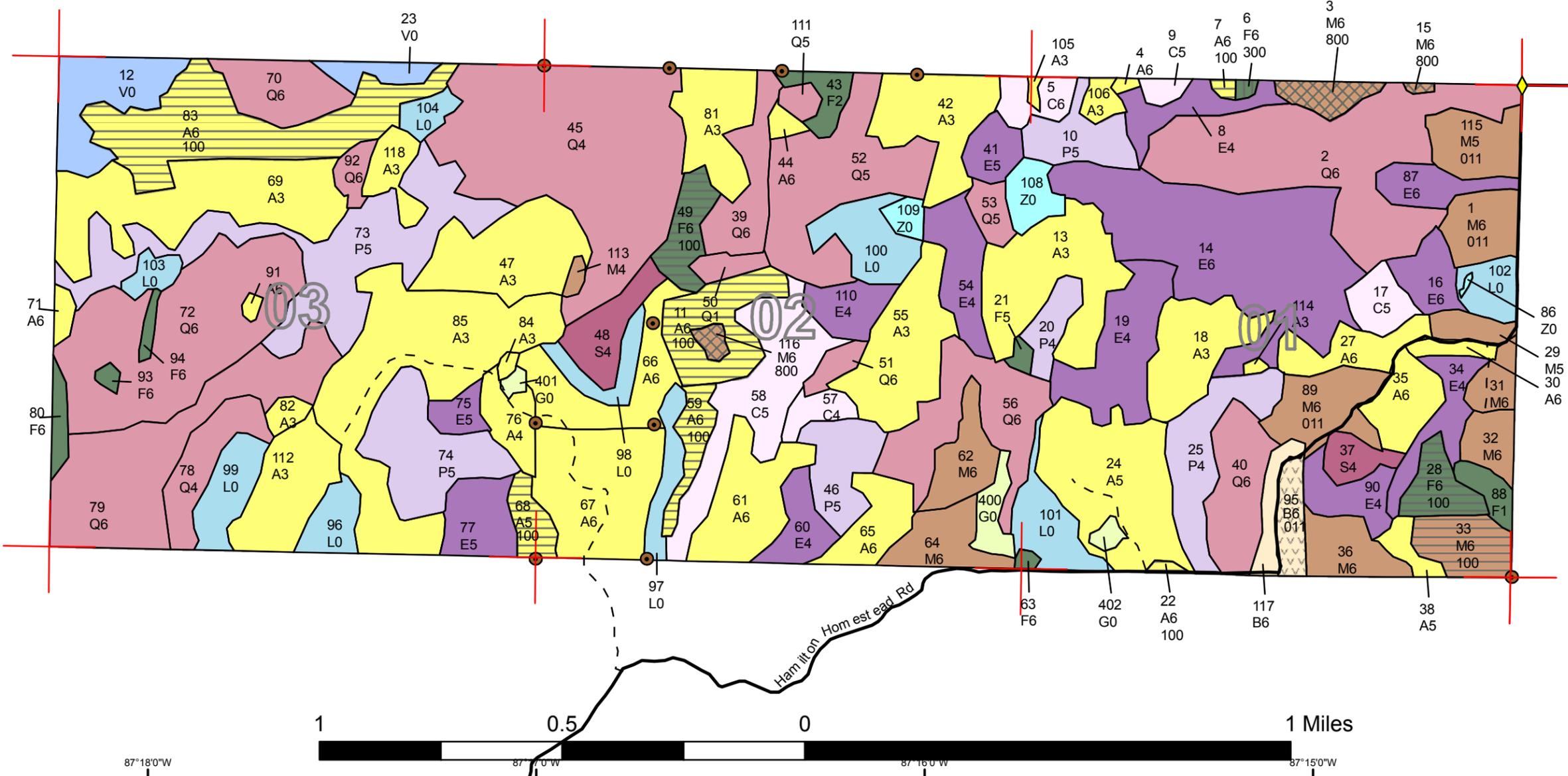
Coverture & Treatment Map

Compartment 86
 T43N, R24W, Sec. 1, 2, 3
 County: Marquette
 Unit: Gwinn
 YOE: 2012
 Acres: 1,951 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/30/2010
 Map Phase: Pre-review

Legend

RLS Corners	A - Aspen
Miris Corners	B - Paper Birch
Paved Roads	C - Northern White Cedar
Poor Dirt Roads	E - Swamp Hardwoods
Wooden Posts	F - Upland Spruce or Fir
Stand Boundary	G - Grass
011 - Planting/Hand Tools	L - Lowland Brush
100 - Final Harvest	M - Northern Hardwoods
300 - Shelterwood - seed	P - Balsam Poplar, Swamp Aspen, Swamp White Birch
800 - Selection	Q - Mixed Swamp Conifers
	S - Black Spruce Swamp
	V - Bog or Muskeg
	Z - Water

03 02 01





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.