

* 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	Age	Ave. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	D0	D0	17		0	20	treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : A treed bog with open lowland brush interspersed with very slow growing tamarack, black spruce, & a trace of cedar. Tree cover is of seedling/sapling size class with some small poles.</p> <p>Wld : Located in the NWNW of Sec 9.</p>													
2	Q5	Q3	19	51	5	40	52	mixed swamp conifer	immature	N		not scheduled	0
<p>comnts Fmd : The vast majority of this stand is swampy with leatherleaf ground cover, primarily spruce/tamarack & only a trace of cedar. The slightly higher elevation small inclusions support a few jack pine (like on the southwest boundary of the forty) and also balsam fir occupy the dryer sites. Most larger fir was killed off by spruce budworm and seedling/sapling fir as well as spruce is very abundant in the stand. A few birch are present also that are mostly dead now. Thus, overall this is a rather young stand on the average.</p> <p>Wld : Located in the NWNW of Sec 9. State land adjacent to the north & west.</p>													
3	A5	A2	37	32	6	50	70	aspen (upland)	immature	N		20-29 years	0
<p>comnts Fmd : Was commercially cut in summer of 1973 by Holli Forest Products, Inc., permit #16/73. All merchantable aspen, birch, and mixed hardwood was to be cut. Apparently jack pine was not to be cut and what about oak? Also, birch located within 200 ft of the Flat Rock or Camp Hope Rd was not to be cut. I found an FTP #W3-438 which was for K-G cutter treatment of this stand (and stand 4 also) to knock down residual trees following the commercial cut of stand 3 which they say occurred in Spring of 1973. Purpose was to get maximum aspen stocking & survival in the new stand. It was written by Jack C.Mauer when he was a Game Area Manager in Gwinn. Oak was to be left as well as jack pine. Actual treatment occurred between July to Oct of 1973.</p> <p>Wld : Located in the N1/2NW of Sec 16.</p>													
4	O5	M2	29	59	8	60	60	oak	immature	N		not scheduled	0
<p>comnts Fmd : Stand is semi-open in places with hazel brush common, and red maple saplings & small poles. Northern fringes have more birch. Bordered on the south by a heavily stocked A6 stand or clone of young aspen (yr of origin 1971). Was this young aspen a result of a KG Wildlife operation? Overall, this stand probably is very beneficial to wildlife in it's present condition. I found an FTP (#W3-438) written for K-G cutter treatment of this stand (and also stand 3), leaving all oak & jack pine, and a clump of birch on the north property boundary in the NWNE. Purpose here was to improve deer habitat and it did stimulate some aspen sprouting on the south edge of stand 4, where currently is found a well stocked young A6 stand. Actual treatment occurred between July to Oct. 1973.</p> <p>Wld : Located in the N1/2NE of Sec 16.</p>													
5	B6	M1	63	66	8	120	65	paper birch	mature	Y	seed tree	within 0-9 years	1
<p>comnts Fmd : Stand is generally located on a rather low east-west ridge. Leave all oak as well as marked birch seed trees. Require logging when the ground is unfrozen & snow free for better scarification. Also cut all maple 2 inch & larger in diameter at DBH. Follow commercial logging with disk trenching by Dept. skidder. This is warranted because the adjacent stand #30 to the east was not successful for birch regeneration, thus we need to try something different to encourage birch regeneration. Southwest end of stand is heavier to maple and hazel brush with numerous old white pine stumps (no seed source remains for white pine). If birch regeneration proves to be unsuccessful, we will accept a new stand that in addition to the 20 sq.ft/acre of oak residual, contains an adequate stocking of red maple and aspen, and possibly a trace component of conifer (pine, fir, etc.). Also, at our Mini-review held on 9/14/05, Mike Koss suggested that planting white pine in this stand is also an acceptable alternative if birch is unsuccessful here. Jim Ferris said that with the disk trenching operation, we are most likely to establish a good stocking of oak here, which is of course acceptable as an alternative and even preferable over planting white pine if stocking of oak is adequate.</p> <p>Wld : Located in the SW1/4 of Sec 10, NWNW of Sec 15, and NENE of Sec 16.</p>													
6	A3	A3	32	16	2	0	55	aspen (upland)	immature	N		50-59 years	0
<p>comnts Fmd : Was commercially cut in Nov 1987 by Oscar Antilla from Republic, permit #12-87, "Camp Eleven Creek Block". Red & white pine was left as well as some birch & oak marked with green paint. FTP #W31-185 was for K-G treecutter of residual hardwood to maximize aspen regeneration, after commercial logging of the stand. No oak was to be cut nor any other marked trees. Accomplished in 1989.</p> <p>Wld : Located mostly in the NWNW of Sec 15.</p>													

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Ave. D	B	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
7	S5	Q1	29	66	6	50	34	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Quite variable in stocking and size class. Significant younger sapling size conifers. Rather unevenaged in places. When any cut is made, an adequate buffer (minimum of 100 ft) must be left along headwaters of Camp 11 Creek.</p> <p>Wld : Located in the E1/2NW & NESW of Sec 15.</p>														
8	A5	A2	40	35	6	60	70	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : There are old plow furrows apparently from a past burn here, whether it was a wildfire or a prescribed burn is not known. This fire may have stimulated aspen sprouting and been the start of the heavily stocked eastern portion of this stand. Very good site index, tall trees. Parts of stand are already A6 stocking, & some small patches of jack pine inclusions also exist.</p> <p>Wld : Located in the S1/2NW & N1/2SW of Sec 15.</p>														
9	J6	F1	14	38	7	70	60	jack pine	immature	N		20-29 years	0	
<p>comnts Fmd : Stand is somewhat unevenaged In that it has some residual older jack pine (60 yrs +), but the average age is mid-30's. From annual rings, a release event took place in the early 1970's. (a cutting?) Semi-open or parklike in places, but the heaviest stocking is on the west end and a 2 chain wide strip on the north bordering the swamp. Commercial timber sale permit #20/63 issued to Herbert Romback of Princeton covers the SENE of Sec 15. It allowed cutting of aspen & birch, plus all jack pine within 200 ft of marked jack pine seed trees. This is an unusual sale -- I don't recall seeing jack pine seed trees used before. I wonder if any scarification was used. It was cut in Nov 1963 thru Feb 1964.</p> <p>Wld : Located in the SENE of Sec 16 & the SWNW of Sec 15. Note: 1/4 cor between Sec 16/15 is located on the north edge of a small black spruce type, and is also 2 chains west of trail road.</p>														
10	J6	F1	14	69	10	90	63	jack pine	high risk	Y	final harvest	within 0-9 years	1	direct seeding
<p>comnts Fmd : Some red pine present on northern fringe - save red pine. Access from the west off Camp Hope Rd.</p> <p>Wld : Located in the E1/2NW & NWN of Sec 16, north of swamp.</p>														
11	M6	M1	16	60	8	110	55	northern hardwood	immature	N		10-19 years	0	
<p>comnts Fmd : Birch appears to be relatively healthy here. Delay treatment to prolong the aesthetic benefits this birch/maple stand provides at this time. Hazel brush is quite heavy in this stand.</p> <p>Wld : Located mostly in the SWNW of Sec 16.</p>														
12	A3	F1	35	17	3	0	63	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in summer of 1988 by Jay Mattila from Republic, permit #006-87-01, "Frenchy Lake Block". All oak & cherry was left. In 2005, some patches on east end are semi-open with some scattered fir also, but this is desirable for wildlife and diversity.</p> <p>Wld : Located in the N1/2SW & SENW of SEC 16.</p>														
13	Q6	Q2	40	77	8	90	27	mixed swamp conifer	immature	N		not scheduled	0	
<p>comnts Fmd : Timber is somewhat patchy (eg. Most cedar in center of stand). Best timber is found in the transition zone or edges of the swamp. Some areas of mostly small poles and regeneration. Tiny pond in west end of stand.</p> <p>Wld : Located in the S1/2NW & SWNE of Sec 16.</p>														
14	P5	Q1	52	65	7	40	40	balsam poplar & swamp aspen and swamp white birch	low quality	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inferior quality</p> <p>comnts Fmd : Note: The minimum site index for birch for a site capable of producing 20 cubic ft/acre/yr of wood fiber is 46. Thus this is not commercial forest land and falls in the area classification of "Non-timber producing forest land. Other commercial species (spruce,tam,balm, & red maple make up 10 sq.ft/A). Natural succession here seems to be to spruce/fir/tam. (Mostly fir). Birch is dying out.</p> <p>Wld : Located in the NESW,NWSE;SWNE of Sec 16.</p>														

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15	Q6	Q1	28	90	8	80	37	mixed swamp conifer	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : We will leave all cedar per Wildlife Division policy. Also, provision will be made to ensure an adequate seed source is left for spruce & tamarack, eg. Leaving smaller merchantable trees by stump diameter limit, making patch clearcuts of larger trees, or leaving individual or patches of marked seed trees. Stand is sparse in places , thus we need to have some flexibility in actual layout of sale area -- attempting to harvest those areas with larger conifer and heaviest stocking. A definite visible browse line exists on the cedar present.</p> <p>Wld : Located primarily in the SWSW of Sec 16.</p>														
16	A3	F1	24	6	1	0	65	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : This stand was commercially cut in Dec.1998 by Tom St.John (Oro Logging Co.) under permit # 5-97, "Camp Hope Road Sale". Access was from the northwest across narrow strip of swamp. Future stand will likely be a mix of aspen, balsam fir, spruce and jack pine, with aspen being dominant. Oak, cherry, red and white pine were left uncut. Soil is sandy here. This stand is essentially an island of high ground surrounded by swamp. This "A3" stand is about the eastern 2/3's of the timber sale that was cut.</p> <p>Wld : Located in the W1/2SE & E1/2SW of Sec 16.</p>														
17	D0	D0	37			0	24	treed bog	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for more comments. This stand may eventually produce some merchantable poletimber. Generally submerchantable spruce/tamarack at present.</p> <p>Wld : Located in S1/2NE of Sec 16.</p>														
18	L0	L0	58			0	20	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for additional comments. Wild West Creek flows thru this stand.</p> <p>Wld : Located in the SE1/4 of Sec 16.</p>														
19	S3	S3	3	18		0	33	black spruce-swamp	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for additional comments.</p> <p>Wld : Located in the SESE of Sec 16.</p>														
20	M6	F3	7	57	10	80	57	northern hardwood	nonstocked	N		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : This stand had cutting in it as part of Holli Forest Products permit #41/70A cut between 1973-75. The fir in this stand may originate from that cutting. Hold this stand till fir is ready for harvest. Save pine for aesthetics. "M" is not the long term mgt objective -- "F" or pine may be a better objective here. Some birch present also but less than 10 sq.ft/Acre.</p> <p>Wld : Located in the SWSE of Sec 16.</p>														

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					B	Tot. BA								
21	A6	F1	99	30	6	70	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut by Holli Forest Products, Inc. between 1973 - 75, permit #41/70 A, "Dewey Lake Block". This was a 180 acre sale which extended south into Cmpt 237. Specs were to cut all merchantable aspen, birch, & maple --- all black spruce & fir with 2 or more sticks --- all white spruce 12 inch or larger in stump diameter --- and all jack pine in the spruce/fir & aspen/birch types. No cutting within 100 feet of Wild West Creek. This sale was a scale sale & it was cut manually by chain saw (piece cutters).</p> <p>Wld : Located in the E1/2SE of Sec 16, and the W1/2SW, & SESW of Sec 15.</p>														
22	A3	A3	21	14	2	0	60	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in 1991 by Minerick Logging Inc., permit #14-87, "Swamp Stripcut Block". A trespass occurred here on Mich. Northwoods Club property on the NWSE of Sec 15, because we used their north-south fenceline as the sale boundary. Now as of Sept 2003, Paul Bressette set the 1/16th corner falling on the west edge of the road and revealed that their fence is in error (too far east about 100 ft). Their fence is also too far south (approx 2.5 chs) where it runs east-west, but Minerick's cutting stopped at the fence for stand 24.</p> <p>Wld : Located in the E1/2SW of Sec 15.</p>														
23	C5	Q2	16	90	8	50	30	cedar	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : This stand began as strip cuts made in 1960, but also was included in permit #014-87-01, "Swamp Stripcut Block", cut by Minerick Logging, Inc. in the winter of 1993-94. All cedar was left as well as 1 & 2 stick spruce/fir. Currently in 2005, this stand consists of patches of cedar, ranging from heavily stocked to sparse, with spruce, fir, tamarack regeneration, but cedar regen is lacking. Somewhat twoaged in character. Ground cover ranges from grass to leatherleaf & sphagnum moss. Some alder & balm present also.</p> <p>Wld : Located in the S1/2SE of Sec 15.</p>														
24	T2	T2	37	11	2	10	37	tamarack	immature	N		70-79 years	0	
<p>comnts Fmd : Was commercially cut in winter of 1993-94 by Minerick Logging, Inc., permit #014-87-01, "Swamp Stripcut Block". All cedar was left as well as 1 & 2 stick spruce/fir. In April of 2005, still a scattering of residual smallish spruce poletimber, but the dominant regeneration present is tamarack (about 10 to 15 ft tall). Spruce & fir are an understory beneath, fewer in number and about 1 to 3 ft tall. Alder present also as tall as the tamarack, and some balm present in patches. We will feature the tamarack as current cover type "T2". Mostly grass ground cover with some leatherleaf & dogwood brush.</p> <p>Wld : Located in the SESW & S1/2SE of Sec 15.</p>														
25	F6	F2	9	70	10	90	55	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : The most practical option is to cut this stand with the adjacent State timber to the south (stand #1 - B6 in cmpt 238). This will be a 2008 yr of entry.</p> <p>Wld : Located in the SESE of Sec 15.</p>														
26	Q5	Q2	24	96	9	50	30	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : This is a potential biodiversity mgt area which serves to buffer the Camp Eleven Creek and tributaries. See cmpt header for additional comments. The fringes of this stand have the best timber, mostly spruce, grading into more tamarack/alder as you get closer to the water course. Perhaps the westernmost finger of spruce bordering private could be treated seperately in the future. We intended to cut up to the property line when stand 24 was cut, but newer survey work was done in 2003.</p> <p>Wld : Located in the S1/2SE of Sec 15.</p>														
28	D0	D0	3			0	20	treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Treed bog, black spruce & tamarack.</p> <p>Wld : Located in the NWNW of Sec 9, southeast portion of forty.</p>														

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29	M2	M2	21	16	2	0	55	northern hardwood	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in 1988 by Oscar Antilla from Republic, permit #12-87, "Camp Eleven Creek Block". This was followed by a K-G treecutter treatment under FTP #W31-185 to fell the residual hdwd, esp. maple. Aspen regen. was scarce in this stand.</p> <p>Wld : Located in the SESW of Sec 10 and the E1/NW of Sec 15.</p>														
30	M2	M2	25	7	1	10	65	northern hardwood	immature	N		40-49 years	0	
<p>comnts Fmd : Was comm. cut spring 1998, permit #1-97, Minerick Logging, "Flat Rock Birch Sale". All oak was left but this is less than 10 sq.ft/acre. In Dec. 1997, Wildlife tried scarifying this sale prior to cutting with a small dozer & rock rake blade (FTP W31-378), since birch was the management objective and birch seed trees were left. Dominant regeneration present now in 2005 is red maple, mostly stump sprouts (8 to 16 ft tall), and some aspen as well. A trace of birch was found, but these are 2 foot high or less seedlings. Time will tell if they develop. Thus we will manage type in place.</p> <p>Wld : Located in the E1/2SW of Sec 10.</p>														
32	J6	F1	3	67	9	70	65	jack pine	mature	Y	final harvest	within 0-9 years	1	direct seeding
<p>comnts Fmd : Patch of mature jack pine. Treat with either stand 10 or 5 for sale purposes. Both of these stands are scheduled for 2007 treatment.</p> <p>Wld : Located in the NWNE of Sec 16, north of swamp.</p>														
33	J6	R1	4	40	8	100	65	red pine	immature	N	thinning	within 0-9 years	1	
<p>comnts Fmd : Stand was planted to red pine about 1965, with jack pine volunteers seeding in soon after (furrow rows oriented north-south). Jack pine now outnumber red pine, but red pine are of good form, etc. Thin stand in 2007 to benefit the red pine, leaving some jack pine also for optimum stocking of 60 sq.ft/A or above. Site index for red pine (70) exceeds that for jack pine (65). This stand will provide aesthetic benefits as seen from Camp Hope Road and this may be a reason it was originally planted here. I found a planting form No. 112 for machine planting red pine here in Oct. 1965.</p> <p>Wld : Located in the NWSW of Sec 16, east of Camp Hope Road.</p>														
34	A3	A3	8	6	1	0	60	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : This stand was commercially cut in Dec. 1998 by Tom St.John (Oro Logging Co.) under permit # 5-97, "Camp Hope Road Sale". Oak, cherry, red and white pine were left for aesthetics and diversity. A small patch of remnant planted red pine in rows exists in the north end of this stand. These red pine were machine planted in Oct 1965 under planting form #112. A few birch were marked to leave (mostly dead in April 2005) also on the hill or knob, the highest part of this stand.</p> <p>Wld : Located in the NWNW of Sec 16, west of Camp Hope Road.</p>														
35	S6	S1	11	82	8	80	47	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : This is a potential biodiversity mgt area buffering the Wild West Creek. See cmpt header for additional comments.</p> <p>Wld : Located in the NWSE of Sec 16 for the most part, west of creek.</p>														
36	S5	F1	4	82	8	60	50	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : This stand is a potential biodiversity mgt area buffering the Wild West Creek. See cmpt header for additional comments.</p> <p>Wld : Located in the NESE of Sec 16.</p>														

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					B	Tot. BA								
37	S3	S3	7	40		0	33	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Small spruce swamp or bog. Largest trees on fringes. Harvest merchantable trees when adjacent upland is cut. Section corner located on southern edge.</p> <p>Wld : Located in the SWSW of Sec 15 and SESE of Sec 16.</p>														
38	Z0	Z0	1			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stand consists of two separate small vernal ponds (drawn as one), with a narrow fringe of larger, merchantable size jack pine & aspen which we would leave unscheduled for harvest for wildlife purposes.</p> <p>Wld : Located in the SWNW of Sec 10, in the northeast corner of forty.</p>														
39	Q5	Q2	3	73	7	60	37	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Small creek drains this swamp and exits from the southeast corner, passing through a 12 inch plastic culvert under the road. Stand appears somewhat unevened, a variety of size classes. Some jack pine in north end.</p> <p>Wld : Located in the NESW of Sec 15, west side of trail road.</p>														
40	M6	M1	5	66	8	80	55	northern hardwood	immature	N		not scheduled	0	
<p>comnts Fmd : Stand is generally an east facing slope. It has been burned in the past (whether by wildfire or prescribed burn?) -- plow furrows are still visible. Narrow strip of aspen on western boundary - large trees - good wildlife trees. Delay a cut here for wildlife benefits that this stand provides, being situated on the edge of a large grass opening.</p> <p>Wld : Located in the NESW of Sec 15, west of trail road and small swamp.</p>														
41	Z0	Z0	1			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Tiny pond "wildlife watering hole", surrounded by marsh.</p> <p>Wld : Located in the NWSW of Sec 16, west side of Camp Hope Road.</p>														
42	N0	N0	1			0		marsh	nonstocked	N		not scheduled	0	
<p>Wld : Located in the NWSW of Sec 16, west of road.</p>														
43	S2	S3	5	42		20	33	black spruce-swamp	nonstocked	N		not scheduled	0	
<p>comnts Fmd : A small spruce type with some merchantable volume, especially along fringes.</p> <p>Wld : Located in the SWNW & NWSW of Sec 15, and the NESE of Sec 16. The 1/4 corner between Sec 16/15 is located on the north edge of this stand, about 2 chains west of the road.</p>														
47	J2	J2	22	21	4	10	56	grass	immature	N		within 0-9 years	0	other - specify in remarks
<p>comnts Fmd : Stand is variable at present, ranging from G to J3 in stocking (overall a J2 average). Averages 3 to 4 inch dbh, 12 to 20 ft tall. Parts of stand were roller chopped in past - marks still visible in the sod layer. The private forty west of this one has been cut recently (jack pine regeneration about 3 ft tall). Also I found corners of unknown origin (pipe, rebar, and/or steel fence posts) at three of the approx forty corners, and a registered corner exists at the Sec. Corner. I found a wildlife FTP #31-16 for roller chopping this stand (extending north into Sec 4) dated Nov 1978, - purpose was for sharptail grouse habitat. Note: at our 9/14/05 mini-review, wildlife expressed their desire to manage this stand for grass. Thus it should be prescribe burned, or as an alternative, mechanically treated to eliminate the existing jack pine stand.</p> <p>Wld : Located in the NENE of Sec 9. Note : this forty is bordered on the north by State (Cmpt 229).</p>														
48	J3	J3	15	6	1	0	68	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : This stand was commercially cut in Dec. 1998 by Tom St.John (Oro Logging Co.) under permit # 5-97, " Camp Hope Road Sale". Oak, cherry, red and white pine were left as well as a few birch for aesthetics near the road. Herbicide as needed, disk trench, and planted to jack pine (in 1999 or 2000) . FTP #C31-391.</p> <p>Wld : Located in the SWNW of Sec 16, mostly on west side of Camp Hope Road.</p>														

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49	B5	M1	7	66	8	50	63	paper birch	mature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : Most of birch would be left for aesthetics here due to travel influence. Also the oak if any present. Small triangle of land north of Flat Rock Road was cut in 2001 as part of an adjacent sale (#106-01-01) in Sec 8 (Cmpt 231). It was subsequently disk trenched & seeded with jack pine, but no birch were cut during the timber sale. Oak, cherry, red & white pine were left as well. I believe it was trenched & seeded in 2003. The alternative acceptable management objective here is aspen - red maple.</p> <p>Wld : Located in the NWNW of Sec 16, mostly on east side of Camp Hope Road.</p>														
50	M2	M2	11	7	1	10	65	northern hardwood	immature	N		40-49 years	0	
<p>comnts Fmd : Was comm. cut spring 1998, permit #1-97, Minerick Logging, "Flat Rock Birch Sale". All oak was left but this is less than 10 sq.ft/acre. In Dec. 1997, Wildlife tried scarifying this sale prior to cutting with a small dozer & rock rake blade (FTP W31-378) , since birch was the management objective and birch seed trees were left. Dominant regeneration present now in 2005 is red maple, mostly stump sprouts (8 to 16 ft tall) , and some aspen as well. A trace of birch was found, but these are 2 foot high or less seedlings. Time will tell if they develop. Thus we will manage type in place.</p> <p>Wld : Located in the E1/2SW of Sec 10.</p>														
51	M6	M1	7	48	8	90	56	northern hardwood	mature	N	final harvest	within 0-9 years	2	
<p>comnts Fmd : Stand occupies a small hill. Red maple is of stump sprout origin. Larger oak & birch present. All oak will be left. Hazel brush present also. Scarify or summer log to encourage oak regeneration. Stand adjacent to the west has been cut & oak was left. The portion of the stand north of the Camp Hope Rd. should be selectively cut for aesthetic purposes since it influences a small pond and bog.</p> <p>Wld : Located in the NWSW of Sec 16.</p>														
52	F5	F2	5	66	9	50	56	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 Influence zones</p> <p>comnts Fmd : This stand is a biodiversity mgt area. See cmpt header for additional comments. This is a buffer that was left when stand 16 was cut. It serves as a beaver deterrent, for aesthetics and diversity.</p> <p>Wld : Located in the SWSE of Sec 16, west of creek.</p>														
54	U0	U0	6			0	49	upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : FTP #W31-185 written for deer & grouse habitat improvement. Stand contained some red maple prior to treatment, which occurred in 1989. Currently this stand is dominated by hazel brush. This stand was treated in conjunction with stand 6, adjacent to the east.</p> <p>Wld : Located in the E1/2NE of Sec 16.</p>														
55	M6	M1	6	6	8	90	60	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
<p>comnts Fmd : Plots indicate maple dominant at this time, but aspen will comprise most of new stand after cutting. Leave a few birch & maple for aesthetics, plus leave all oak.</p> <p>Wld : Located in the NWNW of Sec 16, mostly west of Camp Hope Road.</p>														
56	J2	F1	7	6	1	0	65	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : This stand was commercially cut in Dec.1998 by Tom St.John (Oro Logging Co.) under permit # 5-97, "Camp Hope Road Sale". Access was from the northwest across narrow strip of swamp. Future stand will likely be a mix of aspen, balsam fir, spruce and jack pine, with jack pine being dominant. This jack pine is natural and not the result of disk trenching & seeding. Oak, cherry, red and white pine were left uncut. Soil is sandy here. This stand is essentially an island of high ground surrounded by swamp. This "J2" stand is about the western 1/3 of the timber sale island that was cut here.</p> <p>Wld : Located in the SESW of Sec 16.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
57	J2	J2	13	16	2	0	60	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in 1988 by Oscar Antilla from Republic, permit #12-87, "Camp Eleven Creek Block". This was followed by a K-G treecutter treatment under FTP #W31-185 . This post-treatment or the logging itself initiated this natural regeneration of jack pine here. A significant and surprising amount of white pine regeneration is mixed in as well, plus a trace of fir and red pine. Scattered larger remnant red maple, but few in number.</p> <p>Wld : Located in the SENW of Sec 15. Northwoods Club fenceline on east boundary.</p>														
59	S3	S3	1	40		0	33	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Small spruce swamp or bog. Largest trees on fringes.</p> <p>Wld : Located in the SWSW of Sec 15.</p>														
60	M6	M1	3	66	8	80	55	northern hardwood	immature	N		not scheduled	0	
<p>comnts Fmd : Stand is generally an east facing slope. It has been burned in the past (whether by wildfire or prescribed burn?) -- plow furrows are still visible. Narrow strip of aspen on western boundary - large trees - good wildlife trees. Delay a cut here for wildlife benefits that this stand provides, being situated on the edge of a large grass opening.</p> <p>Wld : Located in the SESW of Sec 15.</p>														
61	A5	F1	2	68	10	50	58	aspen (upland)	mature	Y	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : This parcel was made known following a 2003 survey when the 1/16th corner just west of the road was set. It was not cut in 1994 by Minerick's swamp sale in stand 24 because the Mich. Northwoods Club fenceline was in trespass on State land here.</p> <p>Wld : Located in the SWSE of Sec 15, east of road.</p>														
62	A3	A3	4	14	2	0	60	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in 1991 by Minerick Logging Inc., permit #14-87, "Swamp Stripcut Block". A trespass occurred here on Mich. Northwoods Club property on the NWSE of Sec 15, because we used their north-south fenceline as the sale boundary. Now as of Sept 2003, Paul Bressette set the 1/16th corner falling on the west edge of the road and revealed that their fence is in error (too far east about 100 ft). Their fence is also too far south (approx 2.5 chs) where it runs east-west, but Minerick's cutting stopped at the fence for stand 24.</p> <p>Wld : Located in the NESW of Sec 15.</p>														
63	A5	M1	5	66	10	60	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : This stand is an older roadside buffer that was left in past treatments of this area. Cut with stand 5 for sale purposes. Leave a few birch/maple for aesthetics, plus all oak (if any).</p> <p>Wld : Located in the SENW & NESW of Sec 15.</p>														
64	B6	M1	28	66	8	120	65	paper birch	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Scenic values/visual values</p> <p>comnts Fmd : Stand is situated east of trail road and a harvest here will be delayed for 10 yrs to provide aesthetic benefits since essentially all surrounding stands have been or are being cut at this time.</p> <p>Wld : Located in the SW1/4 of Sec 10.</p>														
65	Q6	Q1	41	90	8	80	37	mixed swamp conifer	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : See stand 15 with comments. This is the stand which will be reserved for future treatment, and although the exact boundaries will be adjusted when we set stand 15 up for sale, this stand will possess the bulk of the cedar stocking since it is unavailable for harvest by Wildlife policy.</p> <p>Wld : Located primarily in the S1/2SW of Sec 16.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	A c r e s	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
66	Q6	Q1	90	9	8	80	37	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : This is a biodiversity mgt area for the purpose of buffering the Wild West Creek. See cmpt header for additional comments. Wld : Located primarily in the SESW of Sec 16.</p>														
67	A6	M1	34	6	6	90	68	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : I would suspect the origin of this stand was probably a Wildlife KG treecutter operation, or possibly a fire. Some sort of disturbance triggered the burst of regeneration which occurred here. Wld : Located in the NWNE of Sec 16.</p>														
68	J6	F1	69	3	10	90	63	jack pine	high risk	Y	final harvest	within 0-9 years	1	direct seeding
<p>comnts Fmd : An island of high ground in the swamp. Wld : Located in the SWNE of Sec 16.</p>														
400	G0	G0	51			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This large opening has had past treatment for sharptail grouse habitat, eg. Roller chopping and prescribed burning, etc. Patches of jack pine in this stand -- these serve to enhance the usefulness of this opening for wildlife. Wld : Located primarily in the SWNW, N1/2SW, & SESW of Sec 15.</p>														
401	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>Wld : Located midway between the SWSW & SESW of Sec 10.</p>														
402	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>Wld : Located in the SESW of Sec 10, adjacent to the Northwoods Club fenceline.</p>														
404	G0	G0	24			0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : Managed for sharptail grouse historically. Was prescribe burned and/or roller chopped at various times in the past (burned in 1964, chopped in 1979, 1983, and 1990). Also shrubs were planted along the southern edges in 1974, hawthorne, autumn olive, and Siberian crab. Per our mini-review held on 9/14/05, Wildlife would like this stand burned by prescribed fire. It is actually quite open at present and could be delayed for 10 yrs if needed. Also, mechanically treating this stand is an acceptable alternative to burning. Wld : Located in the N1/2SW & SWSW of Sec 10.</p>														
405	G0	G0	12			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Some maps show an old road descending from the north off of private land into this opening. Wld : Located in the E1/2NE of Sec 16.</p>														
406	G0	G0	12			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Somewhat brushy in character with cherry (heavily damaged by feeding bear it appears), hazel brush, and some encroaching tree species such as aspen, maple, & jack pine. But it all adds to the diversity here and probably is very desirable in this condition to wildlife. In late March, there were badgers actively digging and spewing fresh dirt out upon the snow. They are becoming quite numerous in recent years in southern Marquette Co. (probably have no natural prey species that will tackle them). Buck rubs aren't hard to find in this area. Wld : Located in the NENW & NWNE of Sec 16, north of swamp.</p>														

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Stand ID	Cover Type- Size Dnsty	Under Story- Stkng Level	A c r e s	avg.		Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H							
407	G0	G0	2		0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Was herbicided in July 1989. May have been planted to red pine in Oct 1965 (plant form #112) but without success. A small patch of older jack pine exists on northeast edge of stand and a few remnant red pine may have survived.</p> <p>Wld : Located in the NWNW of Sec 16.</p>												
408	G0	G0	1		0	grass	nonstocked	N		not scheduled	0	
<p>Wld : Located in the northwest corner of the SWNW of Sec 16, west of Camp Hope Road.</p>												
409	G0	G0	2		0	grass	nonstocked	N		not scheduled	0	
<p>Wld : Located in the NWSW of Sec 16, bordering swamp to the south.</p>												
410	G0	G0	7		0	grass	nonstocked	N		not scheduled	0	
<p>Wld : Located in the NWNE of Sec 16, north of swamp.</p>												
411	G0	G0	4		0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Was herbicided in July 1989.</p> <p>Wld : Located in the NWSW of Sec 16, on both sides of Camp Hope Road. Northeast of tiny pond & bog also.</p>												
413	G0	G0	8		0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Was herbicided in 1989. A natural opening, generally devoid of trees.</p> <p>Wld : Located in the NENW of Sec 15, Northwoods Club fenceline on east boundary.</p>												
414	G0	G0	2		0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Was herbicided in 1989.</p> <p>Wld : Located in the E1/2NW of Sec 15, on west edge of a swamp.</p>												
415	G0	G0	2		0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stand was herbicided in 1989. This is a south facing slope dropping down to the swamp. Although it is not totally devoid of trees, it is nearly so. A few red maple & birch & conifer, etc. It was never rock raked or disked & seeded - simply a natural opening.</p> <p>Wld : Located in the SENW of Sec 15.</p>												
417	G0	G0	1		0	grass	nonstocked	N		not scheduled	0	
<p>Wld : Located in the NESW of Sec 10, adjacent to Northwoods Club fenceline on east.</p>												
418	G0	G0	3		0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stand is actually the lowpoint in a valley and has a trail road running through it, north-south.</p> <p>Wld : Located in the SESW of Sec 10.</p>												
419	G0	G0	17		0	grass	nonstocked	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : Currently it has sparse jack pine regeneration present. Per our mini-review held on 9/14/05, Wildlife would like to have this stand prescribe burned, or mechanically treated as an alternative.</p> <p>Wld : Located in the NENE of Sec 9.</p>												

GWINN FOREST MGT UNIT

Stand Level Information

Compartment: 230 Entry Year: 2007

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	A c r e s	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H	Tot. BA							
420	G0	G0	121		0	60	grass	nonstocked	N		within 0-9 years	0	opening maintenance

comnts Fmd : Some sparse to medium stocking of natural jack pine regeneration already exists in patches here. Per our mini-review held on 9/14/05, Wildlife would like this stand burned by prescribed fire, or mechanical treatment is also an acceptable alternative to burning.

Wld : Located in the SWNW, N1/2SW of Sec 10, and the NESE of Sec 9.

421	G0	G0	5		0		grass	nonstocked	N		not scheduled	0	
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comnts Fmd : Grass opening mostly east of trail road and bounded by Mich, Northwoods Club on east.

Wld : Located in the NESW of Sec 15.

Total Acres..... 1379