

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

Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
1	A3	A3	42	17	3	20	55	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Was commercially cut in Fall 1988 by John Kirkpatrick of Gwinn, permit #015-87-01, "Chain Lake Road Block". All oak & cherry was left. Stand has both quaking & largetooth aspen, but quaking seems more abundant.</p> <p>Wld : Located in the S1/2SE & NESE of Sec 13.</p>														
2	A6	F2	56	72	8	110	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : ORV trail runs through stand. Aspen is the most abundant specie with about 26 sq.ft/acre, but this stand is a mix of many species: jack pine, birch, maple, black spruce along the northern edge near the swamp, and some red pine/white pine. Future stand will undoubtedly be dominated by aspen, fir (present understory), maple, and some jack pine.</p> <p>Wld : Located in SE1/4 & SENE of Sec 13.</p>														
3	Q5	Q1	35		7	40	30	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 : Potential biodiversity mgt area. See cmpt header for additional comments. Small creek flows northeasterly though stand and tiny swamp pond (stand 24) occupies northwest corner of stand. Some tamarack near pond.</p> <p>Wld : Located in N1/2SE & S1/2NE of Sec 13.</p>														
4	Q6	Q1	62		8	160	30	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for additional comments.</p> <p>Wld : Located in the E1/2NE of Sec 13.</p>														
5	A3	A3	10	15	3	20	53	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut 1989/91 by Milo Palm of Negaunee, permit #016-87-01, "Hay Lake Block". All oak, cedar, hemlock, & cherry was left.</p> <p>Wld : Located in the NWSE of Sec 13.</p>														
7	W6	F2	17		11	90	60	white pine	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for additional comments. Very good diversity here, somewhat unique for this area. In addition to red & white pine, there is hemlock, yellow birch, sugar maple, cedar, oak, spruce & fir, etc. Pine is tall & of good quality. Had to call it a pole stand because of total BA of poletimber, all species combined. In time, it should become a W9 stand. Bordered by swamp on three sides.</p> <p>Wld : Located in the SENE & NWSE of Sec 13.</p>														
8	A3	A3	45	15	3	20	50	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in 1989/91 by Milo Palm of Negaunee, permit #016-87-01, "Hay Lake Block". All oak, cedar, hemolck, & cherry was left.</p> <p>Wld : Located in the NE1/4 of Sec 13.</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
9	B6	M1	39	75	9	100	60	paper birch	mature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : We will leave all oak, cherry, red & white pine. East end of stand has more white pine regen on ground. We will separate out the northern hdwd remnant stand in the middle of this stand (it has sugar maple seedlings as a ground cover, plus rugged terrain). I believe most of this stand was northern hdwd type in pre-settlement times and subsequent cut followed by fire produced what we have today. Although mgt objective is birch, we would accept a mix of maple, aspen, & upland conifer (pine & spruce/fir), or possibly plant oak/white pine as a component of future stand if birch doesn't succeed in restocking here.</p> <p>Wld : Located in the S1/2NW of Sec 13.</p>														
10	B5	F1	29	75	9	60	65	paper birch	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones Water quality/bmps</p> <p>comnts Fmd : Potential biodiversity mgt area. See cmpt header fo additional comments. Essentially a buffer water influence zone around Hay Lake.</p> <p>Wld : Located in the N1/2NW, SENW, & NWNE of Sec 13.</p>														
11	A3	A3	102	4	1	0	75	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in summer of 1999/2000 by St.John Forest Products, Inc. permit #003-97-01, "Hay Lake Sale". All oak, red & white pine, all other softwoods, and birch marked with greenpaint were left. Access was from both the northwest & the east. Both largetooth & quaking aspen present, but quaking seems more numerous. Main skid road through sale was seeded by Wildlife Division to clover, birdsfoot trefoil, etc. Road was bermed on both ends.</p> <p>Wld : Located in the E1/2NE of Sec 14, and NW1/4 of Sec 13.</p>														
12	A3	A3	137	14	3	20	65	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in 1990/91 by Escanaba Paper Co. jobber, permit #023-87-01, "Boot Lake Aspen Block". Oak were marked with green paint to leave (approx 5 trees /acre). Terrain has some steep slopes and potholes. Gravel present in places. Access was from the north off Hemmings Lake Road.</p> <p>Wld : Located in the W1/2NE and NW1/4 of Sec 14.</p>														
13	M9	M1	15		12	90	67	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Wasv commercially cut in 2000 by St,John Forest Products, Inc., permit #003-97-01, "Hay Lake Sale". All aspen, paper birch, and balm were cut out of this stand with a shortwood operation. All other hdwds were left. Access was from the northwest. Now in June of 2005, the aspen & birch have been virtually eliminated from this stand except in the very north end in Cmpt 258 where some aspen saplings have survived. The residual stand has good species diversity which includes some hemlock & white pine, yellow birch & ironwood. Oak is a dominant component, nearly all of sawlog size. The ground is covered with sugar maple seedlings, and leatherwood shrub is present also. Our next treatment here will be to upgrade the stand quality, while retaining wildlife den trees, especially oak and hemlock/white pine, probably in 2017 or 2027. Combine with a cut in the white pine stands such as stand 14 & 15.</p> <p>Wld : Located in the N1/2NE of Sec 14. Note this timber type extends north into Cmpt 258.</p>														
14	W9	N1	14		18	70	68	white pine	immature	N		10-19 years	0	
<p>comnts Fmd : Was selectively cut in 2000 by St.John Forest Products, Inc., permit #003-97-01, "Hay Lake Sale". Try to co-ordinate a future cut here with stand 13 & 15. Treat all species (red maple, etc) selectively to ensure adequate stocking and shade to reduce weevil damage to young white pine. In 2005, white pine seedlings are present in openings created by harvest. Some hemlock present here also. High quality white pine logs here.</p> <p>Wld : Located in the SWNE of Sec 14.</p>														

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15	W9	N1	17	17	100	65	white pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Nice quality pine residual trees. Was selectively (mostly pine- high risk) cut in 2000 by St.John Forest Products, Inc., permit #003-97-01, "Hay Lake Sale". Aspen was puposely left uncut in 2000 to discourage sprouting following the cut. In future cuts, treat all species selectively to maintain stocking and shade to ward off white pine weevil on young pine.</p> <p>Wld : Located in the SWNW of Sec 14.</p>													
16	V0	V0	12		0	20	bog or muskeg	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for additional comments. Outlet of Hay Lake flows easterly through stand.</p> <p>Wld : Located in the NWNE of Sec 13.</p>													
17	Z0	Z0	16		0		water	nonstocked	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Scenic values/visual values</p> <p>comnts Fmd : Hay Lake, essentially formed by and old beaver dam. Fresh aspen saplings were cut south of the lake in June of 2005 and dragged north across the road towards Hay Lake. Also, there is a tiny island on Hay Lake, visible from the road, and stocked with cedar trees. Very senic!</p> <p>Wld : Located in the NENW of Sec 13.</p>													
18	O9	N1	19	73	10	90	64	oak	immature	N		10-19 years	0
<p>comnts Fmd : Oak & white pine are dominant species here. Manage all species selectively here. Aspen & birch will disappear. Maple will persist and provide diversity. Red pine present also. White pine regen quite heavy in places, eg on west edge of stand. Some steep slopes on north & south boundaries. Combine with a cut in stand 15.</p> <p>Wld : Located in the W1/2NW of Sec 14.</p>													
19	V0	V0	7		0	20	bog or muskeg	nonstocked	N		not scheduled	0	
<p>Wld : Located in the SENE of Sec 14.</p>													
20	D0	D0	5		0	20	treed bog	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Potential biodiversity mgt area. See cmpt header for additional comments. Treed bog in the bottom of a "bowl" surrounded by steep ridges.</p> <p>Wld : Located in the NWNW of Sec 14.</p>													
21	W8	M1	4	14	60	58	white pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Selectively cut in 2000 by St.John Forest Products Inc., permit #003-97-01, "Hay Lake Sale". Manage all species selectively in this stand to maintain stocking. Check in 2017 if a cut is needed (salvage of high risk, etc).</p> <p>Wld : Located in the NWNE of Sec 14.</p>													
22	J3	J3	8	4	0	0	69	jack pine	immature	N		50-59 years	0
<p>comnts Fmd : Stand was commercially cut during Feb/March of 2001 by Minerick Logging under permit #04-97-01, "Chain Lakes Road Sale". All oak, red & white pine was left. Followed by herbicide treatment on 8/17/2001 by Steve Arkens under FTP #C31-429 using liquid Tordon 101 at the rate of 5 qts/acre. This followed by disk trenching and simultaneous seeding of jack pine on 10/5/2001. See FTP and completion form for details. In June 2005, seedlings just reaching height of bracken fern; good growth this year already.</p> <p>Wld : Located in the SWSE of Sec 13.</p>													
23	A6	N1	58	80	9	120	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1
<p>comnts Fmd : East part of stand slopes down to the north. Less than 10 sq.ft/A of oak, but we will leave all oak. Old (pine days?) east west road present in stand. Could be used for skid trail. Note that the 1/4 corner between Sec 14/13 is located beneath the east-west private fence line.</p> <p>Wld : Located in the S1/2NE of Sec 14, and SWNW of Sec 13.</p>													

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Ave. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
24	Z0	Z0	1		0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Tiny swamp pond. Beaver house present in June 2005. Hydrology map shows an outlet creek on east side, but field check found none. Possibly flows subterraneously through swamp on east side.</p> <p>Wld : Located in the SWNE of Sec 13.</p>													
25	A3	A3	23	4	1	0	55	aspen (upland)	immature	N		50-59 years	0
<p>comnts Fmd : Stand was commercially cut under permit #104-97-01, "Chain Lake Road Sale", by Minerick Logging Inc. during Feb/March 2001. All oak, red & white pine were left, and the Gwinn Unit ORV trail was preserved.</p> <p>Wld : Located in the SWSE of Sec 13.</p>													
26	W8	N1	9		12	60	60	white pine	old growth (potential or actual)	N		not scheduled	0
<p><u>Treatment Limiting Factors:</u> Scenic values/visual values Water quality/bmps Too steep Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : Potential biodiversity mgt area, or high conservation area. See cmpt header for additional comments. The wildlife benefits alone (in addition to aesthetics) dictate that we reserve this area for potential den/nest trees, etc. It slopes down steeply to the treed bog at the bottom. The aspen & birch it contains will eventually provide sites for wildlife den/nest trees for both birds & mammals. Some old jack pine present also, and spruce near the bog. See locked comment for stand 18, it may actually apply to this stand instead.</p> <p>Wld : Located in the NWNW of Sec 14.</p>													
27	A6	M1	2	95	9	90	72	aspen (upland)	mature	Y	final harvest	within 0-9 years	1
<p>comnts Fmd : Cut with adjacent stand to the north in Cmpt 258 in 2008. Cut the portion that is reasonably level and operable, stopping at steep slope dropping off to treed bog below. DNR pipe and cap at Section corner, plus single strand, rusty wire fence running north-south along Mich. Northwoods Club property.</p> <p>Wld : Located in the extreme northwest corner of NWNW Sec 14.</p>													
28	M6	M1	6		10	70	60	northern hardwood	old growth (potential or actual)	N		not scheduled	0
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : Biodiversity mgt area or high conservation area. Somewhat of an inclusion within stand 9. This stand perhaps represents the original presettlement forest cover type that was dominant in this area before logging and fires changed the landscape. It is a remnant northern hwd type with sugar maple, basswood, yellow birch, leatherwood shrub, etc. Sugar maple seedlings carpet the ground here. Terrain is rugged (a deep ravine and high ridge on west side). The birch cover type which borders it on east & west is probably of fire origin. This stand also has some paper birch, but was perhaps not burned as severely as the adjacent area. This stand will also serve to provide wildlife den/nest trees in the future.</p> <p>Wld : Located in the SENW of Sec 13.</p>													
29	W9	N1	2		17	80	65	white pine	unevenaged	N		10-19 years	0
<p>comnts Fmd : Nice quality pine residual trees. Was selectively (mostly pine- high risk) cut in 2000 by St.John Forest Products, Inc., permit #003-97-01, "Hay Lake Sale". Aspen was purposely left uncut in 2000 to discourage sprouting following the cut. In future cuts, treat all species selectively to maintain stocking and shade to ward off white pine weevil on young pine.</p> <p>Wld : Located in the SENW of Sec 14, on west side of grass opening.</p>													
30	Z0	Z0	1		0			water	nonstocked	N		not scheduled	0
<p>comnts Fmd : A fairly recent beaver dam on the outlet creek of Hay Lake. There were fresh aspen saplings cut and hauled into Hay Lake in June of 2005.</p> <p>Wld : Located in the NENW of Sec 13.</p>													

GWINN FOREST MGT UNIT

Stand Level Information

Compartment: 260 Entry Year: 2007

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H								
400	G0	G0	2			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MOST OF OPENING HAS BEEN DISKED. COULD EXPAND TO THE NORTHEAST. Wld : Located in the NESE of Sec 13.													
402	G0	G0	3	15		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : CLEARED & SEEDED TRAIL RD 6/1990-FTP W-31-197. Wld : Located in the SESE of Sec 13.													
403	G0	G0	1	15		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : CLEARED & SEEDED TRAIL RD 6/1990 FTP W-31-197. Wld : Located in the SESE of Sec 13.													
404	G0	G0	4	12	0	0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared & seeded in June 1993 after commercial sale #23-87. FTP W-31-279. In June 2005, this opening looks great, with a heavy crop of birdsfoot trefoil in yellow bloom. I flushed a covey of young grouse here. Note that all the trail roads within stand 12 were also disked & seeded, and bermed, and are in good condition plant wise. Heavily stocked, no erosion, etc. The auditor should see this. Wld : Located in the NWN of Sec 14.													
405	G0	G0	2	12	0	0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared & seeded in June 1993 , FTP W-31-279 , After commercial sale #23-87. Now in June of 2005, natural red pine seedlings are invading this opening. Wld : Located in the SENW of Sec 14.													
406	G0	G0	2	12	0	0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared & seeded in June 1993, FTP W-31-279 , following commercial sale #23-87. Also in good condition in June 2005. Note that roads were seeded and bermed also. This is a valid reason for delaying commercial cutting in this area till the 2017 yr of entry. By that time these roads and openings may need re- treatment for wildlife. Wld : Located in the NENW of Sec 14.													
407	G0	G0	1	12	0	0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared & seeded in June 1993, FTP W-31-279 , following commercial sale #23-87. Also in good condition in June 2005. Note that roads were seeded and bermed also. This is a valid reason for delaying commercial cutting in this area till the 2017 yr of entry. By that time these roads and openings may need re- treatment for wildlife. Wld : Located in the NENW of Sec 14, north of stand 406.													
Total Acres.....			808										