

* 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	Age	Diameter	avg. Diameter		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	B 6	F 2	44	73	10	70	58	paper birch	mature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : Leave oak (if any), cherry, red & white pine, and birch seed trees. Go with a shortwood operation to save some of the F2 understory, because undoubtedly we will have a mixed stand in the future, and converting portions of this stand to dry mesic conifer is certainly acceptable. Our alternate MO for this stand, should birch fail to restock the stand, is upland conifer or "F" type - a mix of spruce/fir/pine. Note that stand 25 of compartment 230 adjacent to the north will be cut with this sale.</p> <p>Wld : Located in the NENE of Sec 22. Cut no oak, white pine, red pine or cherry and leave some large white birch for seed trees. This upland hardwood stand borders some lowland types, aspen, and openings and has some good game trails running through it.</p>														
2	A 3	A 3	23	16	2	0	60	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in Fall of 1990 by Jay Mattila of Republic, permit # 21-88-01, "old Railroad Grade Block". A 2 inch cutting spec was used plus all oak & cherry was left.</p> <p>Wld : Located in the SENE of Sec 22.</p>														
3	C 6	Q 1	18	106	8	130	32	cedar	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Stand is heavy to cedar, thus delay cut here.</p> <p>Wld : Located in the W1/2NE of Sec 22, west of trail road.</p>														
4	Q 6	Q 1	21	106	8	100	37	mixed swamp conifer	mature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : Cedar is essentially lacking on this side of the road - perhaps it was cut out in the past (eg. for underground mine lagging, etc). Leave small scattered patches of spruce/tamarack for a seed source to regenerate this stand. It seems tamarack is an aggressive seeder & will easily dominate the new stand. See cut stands to the north. Note that stand #4 extends west of trail road also, on the north end.</p> <p>Wld : Located in the N1/2NE of Sec 22, east of trail road for the most part. Wildlife Division does not support cutting this stand. This stand is primarily lowland conifer and comprised of black spruce, tamarack, fir and some cedar and offers good shelter for wildlife.</p>														
5	A 5	A 2	14	31	5	50	60	aspen (upland)	nonstocked	N		30-39 years	0	
<p>comnts Fmd : Stand was commercially cut around 1975 as part of an adjacent sale.</p> <p>Wld : Located in the NWNW of Sec 22.</p>														
6	P 5	L 0	65	46	7	50	38	balsam poplar & swamp aspen and swamp white birch	immature	N		not scheduled	0	
<p>comnts Fmd : A swamp lowland birch/balm/black ash type - poor site - not much promise for commercial timber.</p> <p>Wld : Located in the NW1/4 of Sec 22.</p>														
7	A 3	A 3	40	7	1	0	70	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in summer of 1999 by Minerick Logging, Inc., permit # 105-98-01, "Wild West Creek South Sale". Oak, cherry, cedar, red & white pine was left. Shortwood operation to protect fir regen. Access was from the northwest off Camp Hope Road. This cutting included adjacent acreage to the west in Cmpnt 237. Conifer is a component of this stand but not the dominant species.</p> <p>Wld : Located in the W1/2SW of Sec 22, and NWNW of Sec 27.</p>														
8	A 3	A 3	67	14	3	0	61	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in Nov. 1991 by Minerick Logging, Inc., permit #08-88-01 "Wild West Creek Block". Cedar & cherry was left (very little if any oak present in sale) and a 2 inch spec was used for the hardwood. Access was from the east off of "Dave Morcom's driveway". New road was bermed.</p> <p>Wld : Located in the SENW, SWNE, & NESW of Sec 22 for the most part.</p>														

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Stand	Cover Type-Size Dnstry	Under Story-Stkng Level	Age	A c r e s	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
9	A 3	A 3	27	5	1	0	61	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in Dec. 2000 by Minerick Logging, Inc., permit # 101-98-01, "Wild West Creek North Sale". Oak, cherry, red & white pine, and birch marked with green paint (for aesthetics near private forty) were left. Access from the east off Dave Morcom's driveway.</p> <p>Wld : Located in the NWSE of Sec 22, next to private forty.</p>														
10	Q 4	L 2	15	76	7	30	28	mixed swamp conifer	sparse	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Dave Morcom's "driveway" passes through this stand.</p> <p>Wld : Located in the SENE of Sec 22.</p>														
11	L 0	L 0	11			0	20	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Tag alder, lowland brush.</p> <p>Wld : Located in the W1/2NE of Sec 22.</p>														
12	A 3	A 3	76	14	3	0	61	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in 1991-92 by Minerick Logging, Inc., permit #08-88-01, "Wild West Creek Block". Cedar & cherry were left (very little if any oak present) and a 2 inch spec was used on hwd. Access was from the northwest off the Camp Hope Road, a newly built road that was bermed afterwards.</p> <p>Wld : Located in the S1/2SW & SWSE of Sec 22, and the NENW & NWNE of Sec 27.</p>														
13	C 6	Q 1	7		7	70	27	cedar	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Stand ranges from C4 in south to C6 in north end.</p> <p>Wld : Located in the S1/2SE of Sec 22.</p>														
14	N 0	N 0	18			0	20	marsh	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Marsh. Special Conservation Area buffering the Wild West Creek. See cmpt header for additional pertinent comments.</p> <p>Wld : Located in the NENE of Sec 27, east of ELF row. DCD, to serve as movement corridor for wildlife species and promote natrual processes along riparian area, DWD, and intact nutrient cycles. This is a marsh which is fed by Wild West Creek and offers some good birding opportunities although access is problematic.</p>														
15	F 6	F 2	11	77	9	100	50	spruce-fir (uplands-including upland black spruce)	high risk	Y	seed tree	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : An "island" of high ground surrounded by swamp & marsh. This would necessitate a winter cutting with frozen access from the Northeast. Only about 4 chains or so of swamp to cross - shouldn't be too difficult. Getting permission from private land to the east for access may be more difficult. Note that seed trees will be left for spruce/fir.</p> <p>Wld : Located in the SENE of Sec 27. Treat as shelterwood cut and retain groups of seed trees to regenerate conifers. Accerss would be very difficult.</p>														
16	S 5	S 2	42	76	6	50	38	black spruce-swamp	immature	N		20-29 years	0	
<p>comnts Fmd : Old winter road passes north-south through stand on east edge of stand. Under permit #36/62A, issued to Herbert Rombach of Princeton, all fir 6 inch & larger, and all black spruce 8 inch & larger in stump diameter were to be cut in the winters of 1963-64. Presently the spruce averages fairly small diameters, 4 to 6 inch. Trace of cedar and some tamarack also. A recent cutting on private land in the NWNW of Sec 26 came back to a flush of tamarack regeneration.</p> <p>Wld : Located in the SENE & NESE of Sec 27.</p>														

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					B H	Tot. BA								
17	C 6	Q 1	12		8	110	27	cedar	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Alternate 2 chain wide east-west strips were cut here during the winters of 1963-64 by Herbert Romback of Princeton under permit # 36/62A. , no cutting in the leave strips. All merchantable cedar, spruce, & tamarack were cut in these strips. He was working for Arvid Nyland.</p> <p>Wld : Located in the SESE of Sec 27.</p>														
18	C 6	Q 1	28		8	110	27	cedar	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Under permit # 36/62A issued to Herbert Romback of Princeton, all balsam 6 inches & larger and all black spruce 8 inches & larger at stump diameter, were cut in the winters of 1963-64, at least in the north half of this stand. The remainder was to be strip cut but possibly wasn't completed.</p> <p>Wld : Located in the E1/2SE of Sec 27.</p>														
19	A 6	F 1	11	77	9	100	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : Essentially an island of high ground in a swamp except only a very narrow neck of swamp to reach this from the west. Will need to use portable bridge, and winter cutting, to access from the south, so ideally this stand would be best to cut with the larger aspen stand #27 in 2018. Perhaps we can access from northwest via frozen road when stand 22 is cut (no bridge needed).</p> <p>Wld : Located in the NWSE of Sec 27. Cut not oak, white pine or red pine, access would be difficult.</p>														
20	A 5	A 2	19	34	5	50	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut in 1972 (winter cut) by Holli Forest Products, Inc., permit # 19-70A "Wild West Block". Beaver had flooded the creek to the south of stand 55 since this sale, making access a problem.</p> <p>Wld : Located in the SENW & NESW of Sec 27, west of ELF row.</p>														
21	C 6	Q 1	13		8	140	27	cedar	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the E1/2NW & W1/2NE of Sec 27.</p>														
22	S 6	Q 1	27	93	8	80	33	black spruce-swamp	mature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : Very little cedar present in this stand. We will leave any cedar present. Very nice spruce and tamarack. Site is not too wet, should be a good logging chance with access from the north on existing road off the Camp Hope Road. (winter cutting needed). Old railroad grade runs thru stand east-west. We will provide a spruce seed source by marking small clumps of spruce/tam seed trees to leave.</p> <p>Wld : Located in the E1/2NW & W1/2NE of Sec 27. Wildlife Division does not support cutting this stand. This stand is primarily lowland conifer and comprised of black spruce, tamarack, fir, and some cedar and offers good shelter for wildlife.</p>														
23	Q 4	L 2	20		8	20	27	mixed swamp conifer	sparse	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the E1/2NW of Sec 27.</p>														
24	C 6	Q 1	21		8	130	30	cedar	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the W1/2NW of Sec 27.</p>														
25	Q 6	Q 1	42		8	90	27	mixed swamp conifer	unevenaged	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the SWNW & NWSW of Sec 27.</p>														

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					B H	Tot. BA								
26	Q 6	F 1	23	96	8	140	28	mixed swamp conifer	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the W1/2SW of Sec 27.</p>														
27	A 6	F 1	69	43	9	90	60	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Was commercially cut around 1963 under permit #45/62A by Kroon Forest Products, Inc. from Ishpeming. Ellsworth & Lloyd Kroon (father & son). Best or larger aspen seems to be on the west side.</p> <p>Wld : Located in S1/2SW of Sec 27, & N1/2NW of Sec 34.</p>														
28	C 6	F 1	20	96	8	140	29	cedar	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Water quality/bmps</p> <p>comnts Fmd : South end of stand was cut in 1972 under permit #19/70 with no cutting allowed within 100 feet of creek.. At this time, stand is classified as a Special Conservation Area, stand condition 8. Riparian buffer for both the Wild West Creek and its' smaller tributary.</p> <p>Wld : Located in the SESW & SWSE of Sec 27. SCA, to serve as movement corridor for wildlife species and promote natural processes along reiparian area, DWD, and intact nuttient cycles. This stand has a good component of cedar and will serve as good shelter for wildlife.</p>														
29	Q 2	Q 2	22	43	3	10	37	mixed swamp conifer	immature	N		not scheduled	0	
<p>Wld : Located in the NENW of Sec 34.</p>														
30	S 6	F 1	8	110	8	70	37	black spruce-swamp	mature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : Private land east of this stand was cut. It is now heavy with tamarack,- alder, spruce, & fir underneath. We will cut this in 2008, with the exception of cedar, and leaving a seed source for spruce (marked trees or patches of seed trees). We can expect tamarack to seed in here as it did on the private land to the east.</p> <p>Wld : Located in the E1/2NW of Sec 34. Wildlife Division does not support cutting this stand. This stand is primarily lowland conifer and comprised of black spruce, tamarack, fir and some cedar and offers good shelter for wildlife.</p>														
31	A 5	A 2	90	31	7	60	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut by Holli Forest Products under permit #19-70A, around 1975. Harvest was by hand piececutters, and a tree length operation utilizing a Hahn Harvester processor at the landing. Some remnant older scattered trees that were missed in 1975 (white spruce, birch, aspen/balm, etc). Has some small patches of conifer inclusions in NESW (between stands 403 & 407). Simply evaluate and treat with stand 31.</p> <p>Wld : Located in the SW1/4, NWSE, & SENW of Sec 34.</p>														
32	P 3	P 3	52	15	3	0	60	balsam poplar & swamp aspen and swamp white birch	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in May/June of 1991 by Jim Carey under permit #27-88, "Hunter Walking Trail Block". All oak, cherry, ironwood, & cedar was left, as well as marked birch seed trees. Birch regeneration was not successful and balm be came the dominant specie in this new stand. Perhaps deer browsing was a factor in birch failure here. Note that this is a definitely upland site, not swampy, although "P" is often used in swampy cover type associations. There is no other cover type to use for balsam poplar.</p> <p>Wld : Located in the SWNW & NWSW of Sec 34, for the most part.</p>														

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					B H	Tot. BA								
33	Q 4	Q 2	4	96	8	30	30	mixed swamp conifer	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Cedar or Hemlock cutting restraints														
comnts Fmd : Was included in commercial cut in 1991 by Jim Carey under permit #27-88-01. Cedar was left and essentially everything around it was cut. In 2006, balm of gilead is the predominant regeneration present followed by lesser amounts of spruce/fir and red maple. No cedar regeneration evident. Cedar here is approx 92 yrs old.														
Wld : Located in the NWNW of Sec 34.														
34	A 5	A 2	28	32	5	60	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Was commercially cut in about 1974 by Holli Forest Products, Inc, permit # 19-70A , "Wild West Block". The access road used for logging has since been converted into a disked & seeded hunter walking trail.														
Wld : Located in the W1/2SW of Sec 34, west side of forty.														
35	Q 5	F 2	20		7	60	31	mixed swamp conifer	unevenaged	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Cedar or Hemlock cutting restraints														
comnts Fmd : Swamp doesn't seem to be too wet and a lot of spruce/fir regeneration is present. Thus, stand is in good shape at present.														
Wld : Located in the W1/2SW of Sec 34, for the most part.														
36	B 5	F 2	8	80	9	60	65	spruce-fir (uplands-including upland black spruce)	mature	Y	removal	within 0-9 years	1	
comnts Fmd : Stand consists of a knob or hill with larger birch dominating with a heavy fir understory. We will remove most of the overstory to release the fir, leaving a few birch for diversity and leaving the red/white pine as well.														
Wld : Located in the SESW of Sec 34. Try to retain associate species to maintain diversity in this stand.														
37	F 6	F 2	35	64	9	80	62	spruce-fir (uplands-including upland black spruce)	unevenaged	Y	removal	within 0-9 years	1	
comnts Fmd : On 7/6/05 I visited this stand per request of Brad Gustafson who works for Mark Anderson (MVA out of Felch). They are cutting the private land adjacent to State in SWSE of 34 and NENW of Sec 3 in Dickinson Co. (Chuck Walkner ran the lines). There is significant dead or dead topped jack pine just north of the boundary for SWSE, but the stand is quite diverse (both ages & species - aspen, pine, & spruce, etc) and since this is 2008 yr of entry and will need to be competitively bid, we will wait till then. Warren. Oh, MVA was using access from the southwest via an old road they said they improved. It passes immediately south of the 1/4 corner south side of Sec 34. Bill Ziegler (Fisheries from Crystal Falls) has erected a gate on the west end of this road - located just a 100 yds or so east of the DNR bridge on the Flat Rock Creek. OI field inventory in May 2006 = Overall I consider this an "F" type with jack pine as a component. Manage for upland dry mesic conifer/aspen mix. Our cut in 2008 will be a salvage type of cut or a release cut to remove the overstory from younger spruce/fir. Red & white pine could be marked, use a stump diameter spec on spruce/fir (eg. Cut 8 inch & larger), and cut all merch aspen & jack pine. Oak is scarce here. Best to cut in winter when delimiting of brittle branches is best, since a lot of this conifer is quite limby. Very rocky soil also. Re-evaluate stand after it is cut - there may be spots that could be trenched & seeded to jack pine. I included a few acres north of grass opening #407 with this cutting because it contains some overmature aspen that was missed when rest of stand 31 was cut.														
Wld : Located in the NWSE & SESW of Sec 34. Cut no oak, red pine, or white pine. Leave associate species and manage for a component of upland conifer.														
38	S 6	Q 1	11	90	7	80	38	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Water quality/bmps														
Influence zones														
comnts Fmd : Special Conservation Area maintain as a riparian buffer along Wild West Creek. This creek is a brook trout stream of historical significance. See cmpt header for additional pertinent comments.														
Wld : Located in the NWSE of Sec 34. SCA, to serve as movement corridor for wildlife ppecies and promote naturalprocesses along riparian area, DWD, and intact nutrient cycles. This stand has a good component of lowland conifer and will serve as good shelter for wildlife.														

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					B H	Tot. BA								
39	A 3	A 3	16	6	1	0	61	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in May 2000 by Minerick Logging, Inc., permit # 101-98-01, "Wild West Creek North". Access was from the north on high ground. Oak, cherry, red & white pine were left. Road was bermed in Sec 16 where it forks from old RR grade road, following sale completion. Sale extended into Sec 21.</p> <p>Wld : Located in the SWNW of Sec 22.</p>														
40	A 6	F 1	22	73	9	70	61	aspen (upland)	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Influence zones Water quality/bmps Potential or designated old growth Scenic values/visual values</p> <p>comnts Fmd : This stand was left when stand 12 was cut in 1991-92 as a riparian buffer along Wild West Creek and also to function as a potential old growth stand. See cmpt header for additional pertinent comments. By natural succession, this stand should convert to more conifer to help discourage beaver in this drainage system.</p> <p>Wld : Located in the N1/2SW & SWSE of Sec 22. SCA, to serve as movement corridor for wildlife species and promote natural processes along riparian area, DWD, and intact nutrient cycles. This stand has some good wildlife trails along riparian corridor of Wild West Creek.</p>														
41	N 0	N 0	16			0		marsh	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Until 2005 when it was abandoned, this was the 100 foot wide cleared ELF row established around 1985 for submarine communication by the Navy. It is primarily wetland so, I didn't separate out the small acreages of high ground as grass openings. Undoubtedly some swamp conifers are regenerating naturally along this route and in time without interference they will restock portions of this stand.</p> <p>Wld : Located in SESE of Sec 22, and it crosses Sec 27 diagonally from NE to SW.</p>														
42	L 0	L 0	2			0	20	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland brush/alder.</p> <p>Wld : Located in the center of the NE1/4 of Sec 22.</p>														
43	A 6	F 1	18	73	9	70	61	aspen (upland)	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps Influence zones Scenic values/visual values</p> <p>comnts Fmd : Was left in 1991 when stand 8 was cut to function as a riparian buffer (Special Conservation Area) along Wild West Creek. See cmpt header for additional pertinent comments.</p> <p>Wld : Located in the S1/2NW, NESW, & NWSE of Sec 22. SCA, to serve as movement corridor for wildlife species and promote natural processes along riparian area, DWD, and intact nutrient cycles. This stand has some good wildlife trails along riparian corridor of Wild West Creek.</p>														
44	A 5	F 2	30	71	9	60	61	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : This was left in the past for a visual buffer when adjacent stands were cut. Some of this stand is low ground (birch/balm/fir) and may have to be winter cut. Or the center portion containing the alder could be excluded if the timber is sparse here anyway. Thus it could possibly be summer cut. Access from north on existing road off of Camp Hope Road. Stand is overmature but has some fir advance regeneration that we should try to save.</p> <p>Wld : Located in the S1/2SW of Sec 22 & N1/2NW of Sec 27. Cut no white pine, oak, or red pine and leave associated species to maintain diversity.</p>														

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					B H	Tot. BA								
45	F 3	F 3	14	31	2	30	61	spruce-fir (uplands-including upland black spruce)	immature	N		40-49 years	0	
<p>comnts Fmd : This is simply natural regeneration not associated with any cutting. It may have been initiated by spruce budworm mortality of older fir in the area, or simply seeding in of once semi-open areas. It extends into the cmpt adjacent to the west, and serves to provide biodiversity in this cmpt with so much upland aspen. It enhances our dry mesic conifer objectives.</p> <p>Wld : Located in the NWNW of Sec 27.</p>														
46	L 0	L 0	4			0	20	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland brush/alder. Water drains south across the old RR grade from this stand. (This is an extension of old Kates Grade).</p> <p>Wld : Located in the NWNW of Sec 27, north of old RR grade.</p>														
47	L 0	L 0	3			0	20	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland brush/alder.</p> <p>Wld : Located in the SWNW of Sec 27.</p>														
48	F 5	F 2	7	69	9	40	70	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : This is a Special Conservation Area since it is the eastern tip of an island of high ground surrounded by swamp. Most of this island is in Cmpt 239 adjacent to the west (stand #9) and it was designated there for potential old growth and biodiversity mgt area. See cmpt header for additional pertinent comments.</p> <p>Wld : Located in the NWSW of Sec 27. SCA, to serve as movement corridor for wildlife species and promote natural processes along riparian area, DWD, and intact nutrient cycles.</p>														
49	A 6	F 1	4	81	9	90	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : This stand should have been cut under commercial sale # 19/70A when stand 20 was cut (in 1972), but spring breakup interrupted the harvest and this patch of timber was left. A rock outcrop occurs in stand also. Perhaps this stand could be reached from north or northeast when stand 44 or 22 is cut, but would require winter cutting.</p> <p>Wld : Located in the SWNW of Sec 27. Cut no White pine, oak, or red pine and leave assoiated species to aintain diversity.</p>														
50	A 5	A 2	6	34	5	50	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut in 1972 (winter cut) by Holli Forest Products, Inc., permit # 19-70A "Wild West Block". Beaver had flooded the creek to the south of stand 55 since this sale, making access a problem.</p> <p>Wld : Located in the N1/2SW of Sec 27, east of ELF row.</p>														
51	L 0	L 0	6			0	20	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Tag alder, lowland brush creek bottom. Special Conservation Area riprarian buffer along creek. See cmpt header for additional pertinent comments.</p> <p>Wld : Located in the NWSW of Sec 27 for the most part. SCA, to serve as movement corridor for wildlife species and promote natrual processes along riparionm area, DWD, and intact nutrient cycles.</p>														

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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								
52	A 3	A 3	1	15	3	0	59	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Was commercially cut in May/June 1991 by Jim Carey, under permit # 027-88-01, "Hunter Walking Trail Block". All oak, cherry, ironwood, & cedar was left as well as marked birch seed trees (but not in this stand). Conifer regen is also a component of this new stand (spruce/fir/white pine).</p> <p>Wld : Located in the extreme SW corner of Sec 27. Adjacent to ELF row and Sec corner is located in south end of stand.</p>														
53	Q 6	F 1	7	96	8	110	28	mixed swamp conifer	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the SWSW of Sec 27 for the most part, east of ELF.</p>														
54	L 0	L 0	92			0	20	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Special Conservation Area serving to buffer the riparian area along the Wild West Creek and its' tributary. Lowland brush/alder. See cmpt header for additional pertinent comments.</p> <p>Wld : Located in the SE1/4, SWNE, & E1/2SW of Sec 27.SCA, to serve as movement corridor for wildlife species and promote natural processes along riparian area, DVD, and intact nutrient cycles.</p>														
55	A 5	A 2	3	34	5	50	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut in 1972 (winter cut) by Holli Forest Products, Inc., permit # 19-70A "Wild West Block". Beaver had flooded the creek to the south of stand 55 since this sale, making access a problem.</p> <p>Wld : Located in the NESW of Sec 27, east of ELF row.</p>														
56	A 5	A 2	3	34	5	50	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut in 1972 (winter cut) by Holli Forest Products, Inc., permit # 19-70A "Wild West Block". Beaver had flooded the creek to the south of stand 55 since this sale, making access a problem.</p> <p>Wld : Located in the NESW of Sec 27, east of ELF row.</p>														
57	C 6	Q 1	32		8	140	27	cedar	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the NESW & W1/2SE of Sec 27, east of ELF row.</p>														
59	N 0	N 0	7			0	20	marsh	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Marsh, west of ELF.</p> <p>Wld : Located in the NWNNE of Sec 27 for the most part. SCA, to serve as movement corridor for wildlife species and promote natural processes along riparian area, DWD, and intact nutrient cycles.</p>														
60	C 6	Q 1	14	96	7	70	27	cedar	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>Wld : Located in the SESE of Sec 22, and the NENE of Sec 27.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
61	J 5	F 1	4	48	9	60	60	jack pine	mature	N	final harvest	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to small acreage														
comnts Fmd : Private land east of this stand has been cutover fairly recently, except for planted red pine which is 6 to 8 inch dbh at present. An old blue paint line is still visible, north-south. We should cut this stand in 2008 since we will want to access stand 15 through this stand. Note: The road on map traveling north-south down the Section line from the north is a winter road only. Best access would be from the east where ever the recent logging operation gained access (possibly the Tower Road). Due to the small acreage, Jim Ferris suggested hand planting of jack pine without site prep as a practical means of restocking, though we may get some natural seeding also. An alternate MO here is upland conifer (F type) and some seed trees will be left to allow this to happen. Old railroad grade (Kates Grade) passing east-west through stand is quite grown over now. Sandy soil here.														
Wld : Located in the E1/2NE of Sec 27, bordering private land. Cut no white pine, oak, or redpine and leave associate species to maintain diversity. Back-up MO of "F".														
62	F 5	F 2	5	77	8	50	50	spruce-fir (uplands-including upland black spruce)	mature	Y	seed tree	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to small acreage														
comnts Fmd : Small island of high ground in the swamp. Winter access needed. Cut with stand 15. Note that seed trees will be left.														
Wld : Located in the NESE of Sec 27. Do														
63	S 6	Q 1	1	110	8	70	37	black spruce-swamp	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Cut with stand 30 to the southeast in 2008. Leave cedar.														
Wld : Located in the NENW of Sec 34. Wildlife Division does not support cutting this stand. This stand is primarily lowland conifer and comprised of black spruce, tamarack, fir and some cedar and offers good shelter for wildlife.														
64	A 3	A 3	22	15	3	0	59	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Was commercially cut in May/June 1991 by Jim Carey, under permit # 027-88-01, "Hunter Walking Trail Block". All oak, cherry, ironwood, & cedar was left as well as marked birch seed trees (but not in this stand). Some older aspen saplings did exist in the southwest part of this stand, dating back to Holli's 1975 cut. Somewhat two age classes of aspen/balm - some dating from 1975 cut & some from the 1991 cut. Almost a tossup in places with younger fir (in northeast portion of stand) as it could be typed F2 in places also.														
Wld : Located in the W1/2NW of Sec 34.														
68	L 0	L 0	41			0	20	lowland brush	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Special Conservation Area, lowland creek bottomland (brush/alder) serving as a riparian buffer to Wild West Creek. See cmpt header for additional pertinent comments.														
Wld : Located essentially in the S1/2 of Sec 22. SCA, to serve as movement corridor or wildlife species ad promote natural processes along riparian area, DWD, and intact nutrient cycles.														
69	S 3	S 3	6	38	4	0	37	black spruce-swamp	nonstocked	N		not scheduled	0	
comnts Fmd : Natural stand in that it didn't result from any cutting that the State did. Perhaps some natural event such as windthrow, etc. initiated this stand, or simply natural succession.														
Wld : Located in the SENW of Sec 22.														
70	A 5	A 2	3	31	6	60	60	aspen (upland)	nonstocked	N		30-39 years	0	
comnts Fmd : Was commercially cut around 1975 as part of an adjacent sale.														
Wld : Located in the NENW of Sec 22.														

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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								
71	F 3	F 3	3	20	3	0	60	spruce-fir (uplands-including upland black spruce)	immature	N		30-39 years	0	
Wld : Located in the NENW & NWNE of Sec 22.														
77	C 6	Q 1	9		7	70	27	cedar	unevenaged	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
Wld : Located in the SESE of Sec 22.														
78	C 6	Q 1	14	96	7	70	27	cedar	old growth (potential or actual)	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Influence zones Water quality/bmps														
comnts Fmd : Special Conservation Area, riparian buffer along Wild West Creek. See cmpt header for additional pertinent comments.														
Wld : Located in the SESE of Sec 22, west of ELF. SCA, t serve as movement corridor for wildlife species and promote natural processes along riparian area, DWD, and intact nutrient cycles. This stand has a good compoent of lowland conifer and will serve as good whelther for wildlife.														
79	C 6	Q 1	11	96	7	70	27	cedar	old growth (potential or actual)	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Influence zones Water quality/bmps Potential or designated old growth														
comnts Fmd : Special Conservation Area, provides riparian buffer along Wild West Creek. See cmpt header for additional pertinenet comments.														
Wld : Located in the SESE of Sec 22 & NENE of Sec 27, east of ELF. SCA, to serve as movement corridor for wildlife species and promote natural processes along riparian area, DWD, and intact nutrient cycles, This stand has a good comonent of lowland conifer and will serve as good shelter for wildlife.														
80	T 3	T 3	6	12	2	0	37	tamarack	immature	N		70-79 years	0	
comnts Fmd : This stand was cut with the timber to the north in the winter of 1993-94 by Minerick Logging, Inc., permit 014-87-01, "Swamp Stripcut Block". The N1/4 corner of Sec 22 hadn't been set yet and measuring south off the Northwoods Club single strand wire fence put us too far south (thus fence is in trespass). Heavy tamarack regen about 10-15 ft tall with spruce/fir understory beneath. Mostly grass ground cover.														
Wld : Located in the NWNE of Sec 22 for the most part.														
82	A 6	F 1	30	73	9	70	61	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This stand was created out of the southern edge of stand 40 since our riparian buffer is much wider than it needs to be here, and stand 82 can be cut with stand 44 to make an overall better logging chance here. This will balance or equalize the buffer on both the north & south side of the Wild West Creek. Extreme east end has some lowland - cut whatever is possible. It borders a cedar type. We can leave conifer seed trees when this stand is cut to encourage more conifer regeneration here, even though the MO is aspen.														
Wld : Located in the N1/2SW & SWSE of Sec 22. Cut no oak, white pine or red pine and leave associate species to maintain diversity.														
402	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Hunter walking trail passes through stand. Very rocky soil (I believe some rocks are just the tip of the iceberg). Opening being invaded by conifers - mostly jack pine.														
Wld : Located in the SENW of Sec 34. WLD will roller-chop/mow to maintain opening and hunter walking path.														

GWINN FOREST MGT UNIT

Stand Level Information

Compartment: 238 Entry Year: 2008

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Stand	Cover Type-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							
403	G 0	G 0	3		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Hunter walking trail passes through stand. Wld : Located in the N1/2SW of Sec 34. WLD will roller-chop/mow to maintain opening and hunter walking path.												
404	G 0	G 0	1		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Hunter walking trail passes through stand. Wld : Located in the NWSW of Sec 34. WLD will roller-chop/mow to maintain opening and hunter walking path.												
405	G 0	G 0	1		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Wld : Located in the SWSW of Sec 34. WLD will roller-chop/mow to maintain opening and hunter walking path.												
406	G 0	G 0	4		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Very rocky soil. Opening being invaded by conifers - mostly jack pine. We can cut merchantable trees when stand 37 is cut in 2008. Wld : Located in the SESW of Sec 34 for the most part. WLD will roller-chop/mow to maintain opening and hunter walking path.												
407	G 0	G 0	10		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Very rocky soil. Opening is being invaded by conifers - mostly jck pine. We can cut any merchantable conifer in 2008 when stand 37 is cut. Wld : Located in the NWSE & NESW of Sec 34. WLD will roller-chop/mow to maintain opening and hunter walking path.												
408	G 0	G 0	4		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Very rocky soil. Opening being invaded by conifers - mostly jack pine. We can cut merchantable trees in 2008 when stand 37 is cut. Wld : Located in the SESW of Sec 27.												
409	G 0	G 0	3		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : This stand was included in the commercial cut made in 1990 by Jay Mattila, permit #21-88, but for some reason it did not regenerate to aspen, and remained fairly open with a few upland conifers. Thus it was seperated out and typed as a grass opening. Oak & cherry were left in that cutting. Wld : Located in the E1/2NE of Sec 22.												
Total Acres.....			1572									