

* 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	A c r e s	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	A 6	F 1	71	26	6	70	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 6" DBH 2-4 stick average. well-stocked. Some conifers. Some w. birch and balm in areas.														
2	C 6	C 1	62	107	8	90	29	cedar	mature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards Influence zones														
comnts Fmd : Black spruce component but mostly a cedar stand. Small esker in SW part. Mostly upland cedar there 30' above swamp. Some Q areas but mostly a cedar stand with a small black spruce component. Some gaps and sparse areas with low shrubs mostly alder. Stream.														
3	C 6	C 1	75	111	8	90	28	cedar	mature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards Influence zones														
comnts Fmd : Mostly cedar but some spruce and tamarack. Sparse in center of stand, but C6 overall. Not thickly stocked but fully stocked mostly. N/S esker in stand upland cedar mostly. Small stream.														
4	A 6	F 1	40	26	6	70	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 6" DBH 2-4 stick average. well-stocked. Some conifers. Some w. birch and balm in areas.														
5	M 9	M 1	62		12	80	65	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Thinned mid-seventies, good quality, Thinned under permit #23-00-01 Bob's custom logging in 2002. Looks good, mostly an M9 stand. Good den trees. Regen. Heavily browsed 2' high. Raspberries. Crown room, no needs this time.														
6	M 9	M 1	63		12	120	65	northern hardwood	unevenaged	Y	selection	within 0-9 years	2	
comnts Fmd : Cut 1996, good quality. Mix of M9 and M6. Some older 2" dbh regeneration in gaps but not much. Leatherwood and ironwood in understory. North part of stand about 5 acres is 2-4" dbh maple, old wildlife cut. Combine and thin together in future.														
7	A 6	F 1	130	26	6	70	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 6" DBH 2-4 stick average. well-stocked. Some conifers. Some w. birch and balm in areas.														
8	C 6	C 1	6	107	8	90	29	cedar	mature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards Influence zones														
comnts Fmd : Black spruce component but mostly a cedar stand. Some Q areas but mostly a cedar stand with a small black spruce component. Some gaps and sparse areas with low shrubs mostly alder.														
9	C 6	C 1	56	107	8	90	29	cedar	mature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards Influence zones														
comnts Fmd : Black spruce component but mostly a cedar stand. Some Q areas but mostly a cedar stand with a small black spruce component. Some gaps and sparse areas with low shrubs mostly alder.														
10	A 6	F 1	22	26	6	70	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 6" DBH 2-4 stick average. well-stocked. Some conifers. Some w. birch and balm in areas. Scattered large residual white pine. Some pine seeding in.														

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					B	Tot. BA								
11	C6	Q1	27	126	8	100	26	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : Good quality C6 along upland, Q4 further into stand in areas. Included is about 3-4 acre cutover conifer swamp mostly spruce over L. Most of stand is cedar well-stocked small poor quality thick 6"dbh 2-3 stick.</p>														
12	F6	F2	17	53	8	80	60	spruce-fir (uplands-including upland black spruce)	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : Smaller trees overall, 2-4 stick average. Upland stand. Some gaps with F2 or F3. Larger trees scattered here and there. Mostly upland but some cedar comes right up to grass edge in a couple spots. Some wet swales. SW is an esker 30' high above the swamp. Fir on west end there but part is sugar maple and birch with upland cedar.</p>														
13	M9	M1	82		12	110	60	northern hardwood	unevenaged	N	selection	within 0-9 years	2	
<p>comnts Fmd : Good quality, thinned 1990. Some areas lower BA. Overall over 1/2 of stand ready for thinning but some other areas not much to remove. Some regeneration including ash in areas but most areas contain no regeneration.</p>														
14	A6	F2	49	43	6	80	60	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 3-4 stick 6" average dbh. Some larger residual spruce scattered. F2 under 3-20' tall.</p>														
15	A6	A2	10	37	6	70	55	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : 6" average dbh. 2-3 stick well-stocked aspen. Spruce and fir scattered are larger. Also F2 under. A few cedar. Scattered residual hardwood north.</p>														
16	C6	C1	47	108	10	140	35	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Influence zones</p> <p>comnts Fmd : Good quality, above average size cedar. Mostly C type but a mix of other species, especially along edge. Some sparse blowdown areas especially north. Thickly stocked in areas south. Some 2-stick ash in gaps. Stream goes through stand and also part of stream originates in stand. Part aspen and ash along creek.</p>														
17	A6	M1	16	54	8	70	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : East side mature not over-the hill mostly 5-stick. West side fades into cedar. Significant birch mortality. Some blowdown areas especially on shallower soils. Wet areas in stand. Some P and E. Will probably need to get across stream on state land and will need culvert.</p>														
18	M6	M1	9		8	100	59	northern hardwood	unevenaged	N	selection	within 0-9 years	2	
<p>comnts Fmd : Not real good quality. Birch mortality occuring. OK potential. Thin with adjacent aspen harvest. Part has low BA. Has an aspen and white birch component that could be mostly removed.</p>														
19	S4	S3	5	52	6	10	24	black spruce-swamp	sparse	N		not scheduled	0	
<p>comnts Fmd : S4S3. Well-stocked with mostly black spruce 6' tall to 20' tall. 2" average diameter. Scattered larger cedar and spruce. Some tamarack. Looks well-stocked throughout.</p>														
20	A6	A1	20	36	6	90	55	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 6" average dbh. mostly 2-4 stick. Spruce and fir component. Residual older spruce especially north. South is more pure aspen with fir understory 2" dbh.</p>														

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					B	Tot. BA								
21	Q6	Q1	32	75	8	110	32	mixed swamp conifer	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Influence zones</p> <p>comnts Fmd : Cedar east, b. spruce west well-stocked. Overall most of stand is a mix of both spruce and cedar but some areas are pure one or the other. Stream is in stand.</p> <p>Wld : Needs further assessment during next inventory, cedar well represented with mature black spruce and tamarack. Windthrow may become a problem for retained cedar when spruce and tamarack are removed.</p>														
22	S6	S1	16	88	8	80	40	black spruce-swamp	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : Mature spruce stand with scattered cedar, tamarack and fir. Adjacent stand cut 1990. Need this for seed. Mostly well-stocked 3-6 stick spruce. The average is 6" 3-4 stick. Not a lot of volume, nor is it thickly stocked. Patches of cedar throughout.</p> <p>Wld : Mature S6 stand, black spruce and tamarack could be harvested now but could be held for another 10-20 years until stand 45 (adjacent) provides more cover for wildlife species. May need to be harvested in 10 years if tree health declines. Most merchantable trees are 4-8" dbh. Cedar fairly well represented in this stand at diameters of 10-15"dbh. Several lady's slipper (cypripedium spp.) noted in this stand.</p>														
23	W6	F1	2	76	10	80	55	white pine	mature	N		not scheduled	0	
<p>comnts Fmd : Esker with large pine rises 30' above swamp. Upland cedar under. Also mixed aspen, spruce-fir, and w. birch. Mostly a W7 stand. Medium stocking. Porcupine damage.</p>														
24	F6	A1	9	36	8	90	55	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
<p>comnts Fmd : Residual conifers left when this cut in 1972. Converted to spruce-fir. Aspen is 4-stick. Spruce is 12-16"dbh and mostly healthy but some blowdown has occurred. Some pure spruce areas. Recommend wait 10 years until aspen is mature, then harvest.</p>														
25	M9	M1	14		12	80	59	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : -Cut prmt# 43-01-01. Mostly sugar maple good quality, but a few low forks, etc. Some basswood, Y. birch, W. birch and cedar in stand. No regeneration except some areas A3 1"dbh where aspen was cut out.. Raspberry ground cover. Some pole size areas but mostly a small log sized stand. An older wildlife cut was part of this stand and contains smaller 3-4" dbh hardwood which will be thinned next time stand is entered.</p>														
26	C6	C1	26	120	7	100	32	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : Larger on upland edge. Smaller south. Some Q type. Interior fades to C5 after about 4 chains.</p>														
27	A6	A2	25	39	6	90	65	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 3-4 stick aspen with larger residual w. birch, maple, basswood.well-stocked. M3 and M1 understory. Stand just becoming mature.</p>														
28	A6	F2	4	39	10	110	58	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Wetter site and more conifers than stand 27.swale in center. Mostly looks mature but can wait 10 years. Hardwood is on higher ground.</p>														
29	C6	C1	36	97	8	130	28	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : Cedar well-stocked. North side mortality due to private land road. Gaps and twisted stems in center of stand. Mostly smaller trees except for higher ground edge.</p>														

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30	Q6	F2	8	41	8	100	60	mixed swamp conifer	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : 4 stick aspen. F6 areas (old residual). Upland cedar throughout. Would be difficult to have a timber harvest without damaging or removing cedar. A lot of the aspen has dropped out of stand due to residual competition. Mostly a cedar stand although it is mostly upland with a high water table. W. Birch is the predominant hardwood.</p>														
31	Q5	Q1	9	87	6	50	32	mixed swamp conifer	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : Widely spaced slow growing spruce, tamarack. A few cedar here and there but also in patches. Thicker Q6 east and more cedar there. Alder understory.</p>														
32	A3	X0	24	16	4	0	80	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Cut under permit 4-90-01. A3 mostly well-stocked 2-4" dbh. Sp/fir component under.</p>														
33	L0	X0	10	126	0	0	30	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Old drained beaver flooding. Some water still contained near dam. Scattered tamarack, fir and aspen seeding in. Still mostly alder.</p>														
34	C6	C1	24	116	10	120	30	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : Well-stocked good quality cedar. Numerous gaps with 6" w. birch, balm and alder. Lower BA in those areas but areas of nice high BA cedar. Cedar good timber quality park-like stand. High deer use. More gaps and lower BA interior.</p>														
35	M6	M1	5		10	90	62	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Small high quality stand. TSI in 1976. Thinned under Permit 25-00-01 in 2002 Bob's custom logging. Mostly sugar maple. Some basswood, cherry 10-14" dbh average. Crown room. A few areas of BA 100 sq.ft. but mostly 80-90. No regeneration, sedge starting to appear. Raspberry and leatherwood under.</p> <p>Wld : Thinned during last rotation to 90-120 BA, seedlings noted but none advanced. Deer browse evident throughout the stand which is preventing recruitment. Leatherwood is abundant.</p>														
36	A3	X0	21	6	1	0	63	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Cut in 2002 Bob's custom logging permit #25-00-01. Cedar left. Birch seed trees left, most have died. Mostly well-stocked aspen 1" dbh. Some areas that were heavy to w. birch prior to harvest are now F2 1'-8' tall with no aspen. Also some residual red maple and fir throughout.</p> <p>Wld : MO of B will be difficult to realize, minimal white birch regeneration adjacent to woods road and many of those have been browsed. Scattered cedar retained but no regeneration noted, decent regeneration of black ash but a portion of those have been browsed as well.</p>														
37	A3	X0	18	15	2	0	54	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Aspen cut 003-90-1; Cedar left west end of stand. 2" dbh, well-stocked. Wetter areas along cedar edge are F2 with alder.</p>														
38	C6	C1	24	88	8	120	33	cedar	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Deer yards</p> <p>comnts Fmd : Mostly C6, Some B. spruce NE side. Interior smaller trees and more sparse center but well-stocked elsewhere. Upland 1 acre of fir inclusion with Q on lower edge there. Some gaps on Q edge have F3 not quite as low as main cedar area.</p>														

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					D B	Tot. BA								
39	A 6	F 2	6	25	6	70	59	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Cut in 1983. 2-6"dbh . Well-stocked. W7 20"+ component residual. F2 under 6' tall understory.														
40	L 0	X 0	9		0	0	30	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : L and N, some water. Mostly small alder. Past beaver activity. Stream. L is mostly alder 3-6' tall. Pond mostly drained.														
41	S 6	F 1	5	72	7	70	40	black spruce-swamp	immature	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Well-stocked 3-stick spruce. Some F6 north,S6 south.Narrow band of trees.Starts as F6 upland and fades to S6S5 lowland. Some cedar. Mostly small trees.														
42	R 9	F 2	1	93	14	100	70	red pine	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Scenic values/visual values Delayed treatment for age/size class diversity														
comnts Fmd : Small patch of nice pine along road. Manage for aesthetics. Left when aspen was cut out. Could thin when aspen is cut next adjacent. Sp/fir coming in thick under 2"dbh.														
43	F 6	A 2	16	39	8	80	60	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : Spruce-fir left when aspen cut, now maturing. Aspen is 4 stick just becoming merchantable.Some spruce mortality but not excessive.														
44	P 4	F 1	5	37	7	40	35	balsam poplar & swamp aspen and swamp white birch	immature	N		not scheduled	0	
comnts Fmd : Low Q4 or P4. W.birch, balm, cedar and fir over alder. Areas of F2.Thick alder understory mostly. Stream.														
45	S 3	X 0	13	16	1	0	40	black spruce-swamp	immature	N		not scheduled	0	
comnts Fmd : Cut in 1991, PERMIT 006-9-1. Seeding in 6"-20' tall b. spruce and fir. 1/2 tamarack up to 20' tall. Spruce is smaller. Stand is close to fully stocked. Some willow, but not much shrubs overtopping trees.														
Wld : Harvested in late 80's or early 90's. A few 1/50th acre plots noted excellent regeneration of spruce/tamarack, greater than 700/acre in southern portion of stand and greater than 500/acre in northern portion where alder is more prominent. Many trees over 10' tall and plentiful seedlings/saplings will create an uneven aged stand. A portion of tamarack was browsed but not excessively, all white pine growing on hummocks (app. 4/acre) were browsed and all red osier dogwood were browsed. No browse noted on black spruce. Prevalent species present on this Carbondale/Tawas soil include bog birch, bog rosemary, labrador tea, bunchberry and alder. I've noticed very good lowland conifer regeneration in other areas with similar indicator species, especially bunchberry (facultative), over Carbondale/Tawas soils. Of course there is usually a delayed response in terms of regeneration because of alder establishment after a seed tree/clearcut harvest and lack of evapotranspiration where the water table lies very near the surface, but I would consider this a very successful treatment of mixed swamp conifers within a deer yard. Similar treatments should be replicated based on soil and plant indicators in other areas of aging swamp conifers.														
46	A 3	X 0	7	15	4	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 2-4" dbh, well-stocked except edge F2 3-6' tall. Old open area in stand is mostly F2. Some areas of F3.														
47	A 6	A 1	7	43	8	70	55	aspen (upland)	immature	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Influence zones														
comnts Fmd : Stream here. Low wet stand in part, perhaps is P type but some is upland aspen with good component of fir. Still seeding in and maturing, most of stand is 3-4 stick.														

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48	A 6	X 0	2	39	5	70	65	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand is 1-2 stick hardwood and 3-stick ash. 1/2 of stand is M3 the rest is A3.														
49	A 6	F 2	13	58	8	90	60	aspen (upland)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Cut next time hardwoods adjacent are thinned. Most of stand is 4-5 stick. Some larger sp/fir. Some areas 45 years old, some areas more mature. Some cedar here. Overall recommend cut when adjacent hardwood is thinned next time.														
50	M 3	X 0	3	22	4	0	65	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : 4"dbh sugar maple mixed with scattered larger (4") aspen and cherry. Thin when hardwood adjacent is cut next time. Potential for good sugar maple. Lot of clumps now. Some cherry and aspen. Old wildlife cutting.														
51	M 3	X 0	7	22	1	0	70	northern hardwood	immature	N		not scheduled	0	
comnts Fmd : 15' -30' tall 1"-2" dbh. mostly sugar maple. Some M3 , some rubus areas but most areas thick M3. Fir dieoff in 80's left this stand plus old sale or wildlife cut. Part of stand former open area filling in with F4F2.														
52	M 3	X 0	2	31	4	0	62	northern hardwood	immature	N		20-29 years	0	
comnts Fmd : Well-stocked 2-4" , sugar maple. Some 5" balm,aspen and cherry.Lower Ba but could thin when adjacent hardwood is thinned again.														
53	A 3	X 0	6	19	4	0	62	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 4"dbh well-stocked except lower edge medium stocked F2. Fir thick in areas 3-10' tall. 3-6" range on aspen.														
54	M 6	M 1	3		8	120	60	northern hardwood	unevenaged	Y	selection	within 0-9 years	2	
comnts Fmd : Small stand, hillside. Manage for hardwood. Thin when adjacent stands are cut.Good quality small stand along road.														
55	A 6	F 1	12	48	8	80	65	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Aspen ready to cut but can hold. Just mature, most of stand 5-stick not overmature.														
401	G 0	G 0	1			0	70	grass	nonstocked	N		not scheduled	0	
comnts Fmd :														
402	G 0	G 0	1			0	70	grass	nonstocked	N		not scheduled	0	
403	G 0	G 0	20			0	70	grass	nonstocked	N		not scheduled	0	
404	G 0	G 0	1			0	55	grass	nonstocked	N		not scheduled	0	
405	G 0	G 0	2			0	70	grass	nonstocked	N		not scheduled	0	
comnts Fmd : opening cleared and seeded 9/99														

Total Acres..... 1318