

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	* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.	
1	M 6	M 1	8	83	8	130	60	northern hardwood	immature	Y	selection	within 0-9 years	1			
comnts Fmd : crown thin to BA 80, reserve oak & pine, attempt to release oak in stand as much as possible. 7/25/08 prereview: may need to coordinate with Ishpeming office to include adjacent stand to north																
2	A 3	G 0	63	18	1	0	60	aspen (upland)	immature	N		30-39 years	0			
comnts Fmd : Red Post sale																
3	M 6	M 1	165	83	8	130	60	northern hardwood	immature	Y	selection	within 0-9 years	1			
comnts Fmd : crown thin to BA 80, reserve oak & pine, release oak in stand as much as possible by thinning heavily around oak. 7/25/08 prereview: may need to coordinate with Ishpeming office to include adjacent stand to north																
Wld : Protect transition to Q Stand 34.																
4	O 6	M 2	32	88	11	100	60	oak	immature	Y		10-19 years	0			
<u>Treatment Limiting Factors:</u>																
Delayed to take advantage of exceptional site quality or growth																
comnts Fmd : part of this stand was thinned (removed other species than oak) and there is a pocket of maple/aspen regen; not many oak saplings regenerating from what I saw; stand was cut in 1980 (County Line sale) where everything 2" dbh and greater was cut EXCEPT oak.																
5	A 3	G 0	33	17	2	0	60	aspen (upland)	immature	N		40-49 years	0			
6	A 6	F 2	15	42	8	70	60	aspen (upland)	immature	N		10-19 years	0			
7	S 6	F 2	35	81	7	110	45	black spruce-swamp	immature	Y	final harvest	within 0-9 years	2			
comnts Fmd : pocket of cedar on north & on southwest--tag alder transition on west side of this stand. I am considering cutting this stand although not quite to rotation age because black spruce is merchantable and I'm recommending adjacent stand for cut. All cedar would be reserved & I'd recommend this to be a winter/frozen ground cut, or a dry summer cut. 7/25/08 prereview: reserve all cedar, particularly in NW corner while still leaving a seed source. May consider leaving a couple acres across stand 7 & 8 for additional seed source. Winter cut spec UNLESS approved by unit manager for dry summer cut																
8	A 6	F 3	34	80	7	110	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1			
comnts Fmd : Final harvest with cedar & pine reserves (if any); there is a tag alder swale across this stand and I could make this a winter/frozen ground cut and cross in one location, if necessary.																
Wld : Buffer transitions to Stands 10 Q type, 23 Lowland and 24 P type.																
9	A 6	F 3	43	44	7	80	60	aspen (upland)	immature	N		10-19 years	0			
comnts Fmd : part of the old "Moving Sale", only the outside edges were cut. A lot of variation in dbh, good conifer understory. Would cut in 20 years but next entry is surely possible.																
10	Q 4	Q 1	120	76	6	40	45	mixed swamp conifer	immature	N		10-19 years	0			
11	L 0	L 0	14			0		lowland brush	nonstocked	N		not scheduled	0			
12	A 6	F 3	25	70	8	110	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	2			
comnts Fmd : two-aged stand--will need to cross tag alder swale. Final cut with reserves of cedar and ash. 7/25/08 prereview: Fisheries requests 300 foot buffer from Big Brook.																

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					B	Tot. BA								
13	S4	Q1	116	58	4	40	40	black spruce-swamp	immature	N		20-29 years	0	
comnts Fmd : can see cut in 1953 photos														
14	L0	L0	72					lowland brush	nonstocked	N		not scheduled	0	
15	F6	F3	30	47	7	70	55	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : there is an "open" area on far west side that is upland black spruce & tamarack 2-6" dbh; another small aspen inclusion is 35 years old. This was not a clean cut. The aspen in this stand is fair -- by far, conifer component is strongest. Aspen averages 8" dbh, lots of variation. Scattered large white pine, decent mesic conifer site. Current recommendation: cut next entry with fir stand south of UP club, possibly with nearby hardwood if needed by then.														
16	S4	F3	42	48	4	30	45	black spruce-swamp	immature	N		10-19 years	0	
comnts Fmd : spongy but not too low, not typical wet spruce. While too young, certainly harvestable ground; can see this stand was cut from the 1964 photos														
17	F5	F3	24	48	5	50	55	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : This is overwhelmingly an upland spruce/fir stand with some aspen & large residual pines. Can see from 1964 photos this stand has strip cuts through it.														
18	S4	F3	81	48	4	30	45	black spruce-swamp	immature	N		10-19 years	0	
comnts Fmd : spongy but not too low, not typical wet spruce. While too young, certainly harvestable ground; can see this stand was cut from the 1964 photos														
19	F2	F1	9	26	5	0	50	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
comnts Fmd : This was a unit of the Moving Sale -- FTP without completion report. White spruce, balsam, lots of blueberry brush, quite open tree dbhs range from 2-8", averages 4-5"														
20	A3	G0	26	7	1	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Gossaroom timber sale, closed 2001														
21	A6	F2	92	68	10	120	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : vernal pond in WNW of stand will serve as retention; stick nest coordinates were reported to Monica Joseph; 6-17-08: visited stick nest w/MJ, appears to be inactive. Will remind her to re-check spring 2009; if it remains inactive, retain nest tree, may cut rest. Broadwing hawk nest was also located along two-track; recommendations include retaining nest tree, marking a few RESERVE potential nest trees (med-lg with one strong branch) in the immediate vicinity, and cutting restrictions for that unit. 7/25/08 prereview: no white pine will be cut. Further details regarding broad wing nest protection/buffer will be provided by Wildlife Div. Wld : 6-17-08: visited stick nest w/MJ, appears to be inactive. Will remind her to re-check spring 2009; if it remains inactive, retain nest tree, may cut rest. Broadwing hawk nest was also located along two-track; recommendations include retaining nest tree, marking a few RESERVE potential nest trees (med-lg with one strong branch) in the immediate vicinity, and cutting restrictions for that unit.														
22	Q5	Q2	92	77	6	50	45	mixed swamp conifer	immature	N		10-19 years	0	
comnts Fmd : can see this old cut growing back in 1939 photos														

CRYSTAL FALLS FOREST MGT UNIT

Stand Level Information

Compartment: 21

Entry Year: 2010

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23	L 0	L 0	25			0		lowland brush	nonstocked	N		not scheduled	0	
24	P 4	P 3	14	42	7	30	50	balsam poplar & swamp aspen and swamp white birch	immature	N		10-19 years	0	
25	A 6	F 2	16	47	8	130	60	aspen (upland)	immature	N		10-19 years	0	
26	A 6	F 2	17	42	7	100	55	aspen (upland)	immature	N		10-19 years	0	
27	F 2	F 1	4	26	5	0	50	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
comnts Fmd : This is an open area that is filling in with spruce/fir.														
28	A 6	F 1	38	47	8	90	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : hardwood quality is fair to poor														
29	M 6	M 1	111	81	8	110	60	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : rolling terrain, small pockets of fir, birch is falling apart = thin next entry!!														
30	A 5	A 3	29	33	5	40	60	aspen (upland)	immature	N		20-29 years	0	
31	A 6	F 3	8	38	6	70	60	aspen (upland)	immature	N		10-19 years	0	
32	A 5	A 3	32	32	5	50	60	aspen (upland)	immature	N		20-29 years	0	
33	A 3	G 0	28	28	4	0	60	aspen (upland)	immature	N		10-19 years	0	
34	Q 6	F 2	50	77	7	90	40	mixed swamp conifer	immature	N		10-19 years	0	
35	A 6	F 2	14	57	9	90	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Final cut with reserves of cedar and pine, if present; some blowdown off the road in south														
Wld : Buffer E type and wet areas.														

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36	A3	G0	79	20	2	0	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Little Brook timber sale, closed 1988														
37	Q6	S3	445	86	6	70	40	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
38	L0	L0	4			0		lowland brush	nonstocked	N		not scheduled	0	
39	A6	M3	53	42	8	80	55	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : East half is heavier red maple/birch regeneration (quality is lacking in standing pulp), 4-6" dbh with some large white pine concentrated in the north central of the stand but still scattered throughout. West half is aspen/fir. Recommend managing as one stand even aged or may consider leaving for mesic conifer.														
40	L0	L0	58			0		lowland brush	nonstocked	N		not scheduled	0	
41	V0	V0	36			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : stunted tamarack and black sp ruce														
42	L0	L0	36			0		lowland brush	nonstocked	N		not scheduled	0	
43	V0	V0	26			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : stunted tamarack and black sp ruce														
44	R9	F3	3	111	17	120	60	red pine	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
45	R9	F3	22	111	17	120	60	red pine	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
46	T5	S2	7	84	7	60	40	tamarack	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : cut next entry; wet so will need to be a winter cut.														
47	A4	A3	47	36	5	20	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : red and white pine residual, some thicker conifer with aspen in places														
48	M6	M3	9	83	8	80	60	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : Quality is not great however there are quite a few m maple saplings >10 feet tall														

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					B	Tot. BA								
49	W9	F3	56	111	20	100	60	white pine	two aged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : This stand was cut in 1973, removing aspen and conifer, some large white pine were also cut														
50	A3	G0	30	8	2	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : New stand, part of 2000 Cady Creek blowdown; stand is regenerating														
51	Q5	Q2	84	54	5	40	45	mixed swamp conifer	immature	N		30-39 years	0	
comnts Fmd : Can see from 1964 photos most of this stand was cut; fully stocked today														
52	S2	G0	28	8	1	0	40	black spruce-swamp	immature	N		70-79 years	0	
comnts Fmd : Cady Creek tornado swath 2000														
53	Q5	Q2	97	54	5	40	45	mixed swamp conifer	immature	N		30-39 years	0	
comnts Fmd : Can see from 1964 photos most of this stand was cut; fully stocked today														
54	F6	F3	54	47	8	80	50	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : There's a lot of variability in this stand from F3-M6-F6-F2-W9 (WP is mostly scattered throughout). Would be good mesic fir stand with pockets of aspen & hardwood that would regenerate. Would also expect WP, RP & JP to regenerate. Cut next entry														
55	L0	L0	15			0		lowland brush	nonstocked	N		not scheduled	0	
56	Q5	Q3	20	55	8	50	45	mixed swamp conifer	immature	N		10-19 years	0	
comnts Fmd : lower and wetter in south portion; not a clean cut, per 1964 photo														
57	J3	G0	5	15	4	0	55	jack pine	immature	N		40-49 years	0	
58	A3	G0	6	28	4	0	60	aspen (upland)	immature	N		20-29 years	0	
59	M6	F2	4	68	7	110	55	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : small upland knob, birch/aspen falling out --good site to allow natural occurrences because of small diameter, saplings, surrounded by cedar														
60	A6	F2	14	54	8	110	55	aspen (upland)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : retain for age class distribution and add more growth														
400	G0	G0	2			0		grass	nonstocked	N		not scheduled	0	

S t a n d	Cover Type- Size Dnsty	Under Story- Stkng Level	A c r e s	Age	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							

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Total Acres..... 2797