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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	A 3	F 1	7	27	3	0	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Well stocked stand of nice poles														
2	A 3	G 0	26	18	3	0	55	aspen (upland)	immature	N		30-39 years	0	
3	Q 6	F 1	17	73	8	90	45	mixed swamp conifer	mature	N		10-19 years	0	
4	U 0	X 0	22	73		0	55	upland brush	nonstocked	N		30-39 years	0	
5	A 3	F 1	4	27	3	0	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Well stocked stand of nice poles														
6	C 6	X 0	14	73	8	80	40	cedar	mature	N		not scheduled	0	
7	A 6	F 2	1	37	6	70	58	aspen (upland)	immature	N		20-29 years	0	
8	F 6	F 1	4	73	8	70	50	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Wet site is better for spruce fir than for aspen. Retain patches of conifer regen and any pine.														
9	A 6	F 1	10	76	9	100	55	aspen (upland)	immature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Leave patches of hardwood and of softwood. Retain Cedar, Hemlock and Pines if present. Winter Deer yard Special conservation area.														
10	E 6	E 1	3	77	9	90	48	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : Long steep slopes adjacent to this stand should be kept as transitions.														
11	A 6	F 1	15	76	9	100	55	aspen (upland)	immature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Leave patches of hardwood and of softwood. Retain Cedar, Hemlock and Pines if present. Winter Deer yard Special conservation area.														
12	C 6	X 0	5	73	8	80	40	cedar	mature	N		not scheduled	0	
13	Q 6	F 1	9	73	8	90	45	mixed swamp conifer	mature	N		10-19 years	0	

CRYSTAL FALLS FOREST MGT UNIT

Stand Level Information

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					D B H	Tot. BA								
14	X 0	X 0	6		0	0	55	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : North portion of highway 569														
15	C 6	X 0	20	73	8	80	40	cedar	mature	N		not scheduled	0	
16	A 3	A 0	11	27	3	0	55	aspen (upland)	immature	N		40-49 years	0	
17	Z 0	Z 0	31			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : The Sturgeon River														
18	C 6	X 0	8	73	8	90	45	cedar	mature	N		40-49 years	0	
19	A 3	X 0	19	27	3	0	58	aspen (upland)	immature	N		40-49 years	0	
20	A 6	U 2	88	40	6	70	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : There is a high variability within this stand. To the North it has a patch of White Pine. To the south, it has water table influence in areas with patches of fir about 20 ft tall scattered throughout.														
21	M 6	M 1	6		9	90	53	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Thinning done in 2000. Porcupine damage in areas.														
22	M 6	M 1	2		9	90	53	northern hardwood	unevenaged	N		20-29 years	0	
23	A 3	X 0	14	27	3	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : This stand could be classified as F3 due to such dense regen. Water table close.														
24	L 0	L 0	5	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
25	A 6	X 0	26	37	6	70	58	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : This area has nice patches of mixed aspen and fir. Water table is near surface and influences site quality.														
26	E 6	E 1	11	77	9	90	48	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : River floodplain is often flooded. Some silver maple may be found with the more conventional swamp hdwds														

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
27	A 3	G 0	6	18	3	0	55	aspen (upland)	immature	N		30-39 years	0	
28	A 3	G 0	60	18	2	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : This stand is highly variable. The close water table makes the site somewhat wet throughout. Regen is spotty.														
29	L 0	L 0	1	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
30	T 6	L 0	19	47	6	100	60	tamarack	immature	N		30-39 years	0	
31	W 9	W 1	3	87	18	80	60	white pine	immature	N		10-19 years	0	
32	X 0	X 0	1		0	0	55	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : This is a newly established O.R.V. parking facility.														
33	A 6	U 0	5	35	6	70	55	aspen (upland)	immature	N		20-29 years	0	
34	L 0	L 0	113	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
35	P 3	G 0	15	18	2	0	50	balsam poplar & swamp aspen and swamp white birch	immature	N		40-49 years	0	
comnts Fmd : . The close water table makes the site somewhat wet throughout.														
36	F 6	F 1	4	73	8	70	50	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This is several small islands with a few trees on each. It maybe considered as being all a transition zone and not worth a harvest. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.														
37	Q 6	F 1	4	73	8	90	45	mixed swamp conifer	mature	N		10-19 years	0	
38	A 6	F 1	9	69	8	70	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : This stand was sold and not cut around 2000. About half of the fir has fallen since then.SAVE PINE AND CEDAR. Protect transition														
39	Q 6	F 1	3	73	8	90	45	mixed swamp conifer	mature	N		10-19 years	0	

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					D	B	Tot. BA							
40	C 6	X 0	2	73	8	80	40	cedar	mature	N		not scheduled	0	
41	Q 6	F 1	20	87	8	100	46	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
42	A 6	F 2	48	40	7	100	60	aspen (upland)	immature	N		20-29 years	0	
43	A 5	F 2	40	47	7	60	55	aspen (upland)	two aged	N		20-29 years	0	
comnts Fmd : DENSE CONIFER UNDERSTORY.														
44	Q 6	F 1	3	73	8	90	45	mixed swamp conifer	mature	N		10-19 years	0	
45	L 0	L 0	33	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
46	X 0	X 0	2			0	55	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Central portion of highway 569														
47	Q 6	F 1	12	73	8	90	45	mixed swamp conifer	mature	N		10-19 years	0	
48	L 0	L 0	7	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : lowland around north pond														
49	M 6	M 1	9		9	90	53	northern hardwood	unevenaged	N		20-29 years	0	
50	E 6	E 1	10	77	9	70	48	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : this stand has parallel ridges of rock with swamp hardwoods between. Much of the fir and spruce are dying.														
51	A 3	G 0	47	18	2	0	60	aspen (upland)	immature	N		40-49 years	0	
52	X 0	X 0	2			0	55	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : South portion of highway 569														

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					B H	Tot. BA								
53	F 3	G 0	12	18	2	0	55	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
54	A 3	G 0	15	18	2	0	60	aspen (upland)	immature	N		40-49 years	0	
55	Q 6	Q 1	11	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
56	M 6	M 1	25		9	110	53	northern hardwood	unevenaged	N	selection	within 0-9 years	1	
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.														
57	A 6	F 2	5	69	8	110	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This small stand is a spring bed. It may be too wet or almost all transition. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.														
58	F 2	G 0	2	18	2	0	55	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
59	Q 6	Q 1	2	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
comnts Fmd : This is a spring bed.														
61	Q 6	Q 1	9	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
comnts Fmd : This is a spring bed.														
63	A 6	F 2	18	69	8	110	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This is a poorly stocked stand that is best suited for spruce and fir. The budworm damage is high and the aspen poor and short. Much of the fir has fallen. I suspect this has shallow sand soil and is both wet and dry over the season of growth. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.														
64	M 6	M 1	6		9	90	60	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Thinned in 2000. Nice tall hardwood.														
65	Q 6	Q 1	17	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
comnts Fmd : This is a spring bed. The southern end has mostly dead timber resulting from past flooding. The north end grades into fir and has the source of the springs.														
66	A 6	F 2	10	69	8	90	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Similar to stand 63, but a better site and purer to aspen. It has a drainage E&W thru the center which will need to be omitted and a transition left.														
67	Z 0	Z 0	25			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : The North Central Pond														

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					D B H	Tot. BA								
68	Q 6	Q 1	23	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
69	A 3	U 0	90	27	2	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : This stand has areas that are wet. The types, may be p3 or grass ,which are scattered throughout.														
70	Q 6	Q 1	46	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
71	Q 6	Q 1	7	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
72	A 6	F 2	3	69	8	90	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches.														
73	S 5	Q 1	16	69	8	60	40	black spruce-swamp	mature	N		10-19 years	0	
74	L 0	L 0	4	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
75	A 6	F 2	30	69	8	90	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Spruce and Balsam falling fast. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches and protect vernal ponds, if present.														
76	L 0	L 0	1	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
77	Q 6	Q 1	16	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
78	P 3	U 0	6	27	2	0	55	balsam poplar & swamp aspen and swamp white birch	immature	N		40-49 years	0	
79	M 6	M 1	20		9	90	53	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Thinning done in 2000.														
80	E 6	M 1	5		9	80	53	swamp hardwoods	unevenaged	N		20-29 years	0	
81	H 9	M 1	5		12	90	53	hemlock	unevenaged	N		20-29 years	0	

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					B H	Tot. BA								
82	B 5	M 1	2	9	50	63	northern hardwood	unevenaged	N	shelterwood-seed	within 0-9 years	1	planting	
comnts Fmd : This is a high site. Convert fo cherry. Much of the birch and aspen has fallen. Need survey. Plant black cherry. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches.														
83	A 6	F 2	14	69	8	80	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This was sold and not cut. The birch is falling fast. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches.														
84	P 3	U 0	8	27	2	0	55	balsam poplar & swamp aspen and swamp white birch	immature	N		40-49 years	0	
85	A 3	U 0	64	27	2	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : This stand has areas that are wet. The types, may be p3 or grass ,which are scattered throughout.														
86	W 8	W 1	3	87	18	50	60	white pine	immature	N		10-19 years	0	
comnts Fmd : This is the rock top timber that was left when the aspen was cut around it.														
87	W 8	W 1	17	87	18	50	60	white pine	immature	N		10-19 years	0	
comnts Fmd : This is the rock top timber that was left when the aspen was cut around it.														
88	B 6	F 2	23	69	8	110	55	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This is a stand that is best suited for spruce and fir. The budworm damage is high and the aspen poor and short. Save the Pine and the conifer regen.														
89	L 0	L 0	4	90	0	0	45	lowland brush	nonstocked	N		not scheduled	0	
90	B 6	F 2	12	69	8	110	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : I split this stand off the original that included stand 88. It is better aspen and should be treated to regen. Aspen as the primary goal. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches.														
91	Q 6	Q 1	2	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
92	E 6	E 1	6	77	9	90	48	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : River floodplain is often flooded. Some silver maple may be found with the more conventional swamp hdwds														
93	W 8	W 1	5	87	18	50	60	white pine	immature	N		10-19 years	0	
comnts Fmd : This is the rock top timber that was left when the aspen was cut around it.														
94	A 3	G 0	31	18	3	0	55	aspen (upland)	immature	N		40-49 years	0	

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					D	B	Tot. BA							
95	E 6	E 1	29	77	9	90	48	swamp hardwoods	immature	N	10-19 years	0		
comnts Fmd : River floodplain is often flooded. Some silver maple may be found with the more conventional swamp hdwds														
96	A 6	U 0	21	35	6	70	55	aspen (upland)	immature	N	20-29 years	0		
comnts Fmd : The stand has a high component of fir.especially in the southern part. The aspen varies considerably in quality and stocking. The understory of hazel and cherry has been browsed back to pencil diameter size under this stand in areas.														
97	Q 6	Q 1	5	69	8	90	40	mixed swamp conifer	mature	N	10-19 years	0		
98	A 5	U 1	6	31	4	50	55	aspen (upland)	immature	N	30-39 years	0		
comnts Fmd : This was typed as a fir type, but the aspen has become the dominant tree.														
99	A 5	U 1	4	31	4	50	55	aspen (upland)	immature	N	30-39 years	0		
comnts Fmd : This was typed as a fir type, but the aspen has become the dominant tree.														
100	A 5	U 1	6	31	4	50	55	aspen (upland)	immature	N	30-39 years	0		
comnts Fmd : This was typed as a fir type, but the aspen has become the dominant tree. I divided the stand because this portion has a much higher fir component.														
101	Z 0	Z 0	4			0		water	nonstocked	N	not scheduled	0		
comnts Fmd : The North Western Pond														
102	Q 6	Q 1	3	69	8	90	40	mixed swamp conifer	mature	N	10-19 years	0		
103	A 3	U 0	11	7	1	0	55	aspen (upland)	immature	N	40-49 years	0		
104	A 6	U 0	10	35	6	70	55	aspen (upland)	immature	N	20-29 years	0		
comnts Fmd : The understory of hazel and cherry has been browsed back to pencil diameter size under this stand in areas.														
105	A 6	F 2	16	69	8	90	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Spruce and Balsam falling fast. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches. Protect vernal ponds if present.														
106	Q 6	Q 1	7	69	8	90	40	mixed swamp conifer	mature	N	10-19 years	0		
107	L 0	L 0	4	90	0	0	45	lowland brush	nonstocked	N	not scheduled	0		

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					B	Tot. BA								
108	F 5	F 1	7	39	8	50	60	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : This is the timber that was left when the aspen was cut around it. It almost a grass type but scattered spruce are growing in an open crown habit.														
109	M 6	M 1	2		9	70	53	northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : Many small diam. Poles.														
110	Q 6	Q 1	6	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
111	F 6	F 1	16	39	8	70	60	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : This is the timber that was left when the aspen was cut around it. This stand is broken from the same stand as 108, but the stand is stocked better.														
112	A 6	F 2	6	69	8	70	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This stand is on the margin of hardwood and a fir type. It has scattered stocking with openings. If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain wet timber type patches.														
113	Q 6	Q 1	1	69	8	90	40	mixed swamp conifer	mature	N		10-19 years	0	
400	G 0	G 0	6		0	0	55	grass	nonstocked	N		not scheduled	0	
401	G 0	G 0	2		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENINGS WITH MECHANICAL MEANS.														
402	G 0	G 0	6		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENINGS WITH MECHANICAL MEANS.														
403	G 0	G 0	5		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENINGS WITH MECHANICAL MEANS.														
404	G 0	G 0	3		0	0	55	grass	nonstocked	N		not scheduled	0	
405	G 0	G 0	2		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENINGS WITH MECHANICAL MEANS.														
406	G 0	G 0	2		0	0	55	grass	nonstocked	N		not scheduled	0	

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407	G 0	G 0	3		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENING WITH MECHANICAL MEANS.														
408	G 0	G 0	1		0	0	55	grass	nonstocked	N		not scheduled	0	
409	G 0	G 0	5		0	0	55	grass	nonstocked	N		not scheduled	0	
410	G 0	G 0	17		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : This stand may have gotten some herbicide in years past. The cherry is starting to encroach.														
411	G 0	G 0	8		0	0	55	grass	nonstocked	N		not scheduled	0	
412	G 0	G 0	5		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENINGS WITH MECHANICAL MEANS.														
413	G 0	G 0	10		0	0	55	grass	nonstocked	N		not scheduled	0	
comnts Fmd : MAINTAIN OPENINGS WITH MECHANICAL MEANS.														
414	G 0	G 0	2		0	0	55	grass	nonstocked	N		not scheduled	0	
415	G 0	G 0	3		0	0	55	grass	nonstocked			not scheduled	0	
comnts Fmd : Scattered aspen and spruce.														

Total Acres..... 1726