

* 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	Acrs	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	Q 6	Q 1	15	78	9	100	40	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Too wet</p>														
2	M 6	M 1	11	73	9	120	60	northern hardwood	immature	Y	thinning	within 0-9 years	2	
<p>comnts Fmd : fair to good quality hardwood</p>														
3	M 6	M 1	20	73	9	140	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
<p>comnts Fmd : crown release, thin to BA 90 Wld : hemlock, pine and cedar will be held to promote mesic conifer initiative.</p>														
4	A 6	F 2	74	64	11	110	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : there is an ash swale in the far southeast corner of stand which will serve as stand retention ~1/2-1 acre; will retain cedar, hemlock and pine (if any). 7/25/08: Forester will notify Wildlife Division just before set up of sale regarding low areas. No hemlock, pine or cedar will be cut</p>														
5	C 6	L 0	26	88	9	180	40	cedar	immature	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p>														
6	M 6	M 1	19	73	10	120	60	northern hardwood	immature	Y	thinning	within 0-9 years	2	
<p>comnts Fmd : Quality is so-so, grades into lower quality to north. Crown release thinning to BA 80. Wld : Hold hemlock, cedar and pine to promote mesic conifer initiative.</p>														
7	M 6	M 2	58	73	9	120	60	northern hardwood	immature	Y	thinning	within 0-9 years	2	
<p>comnts Fmd : Crown release thinning to BA 80 Wld : hold hemlock, cedar and pine to promote mesic conifers.</p>														
8	A 5	A 2	22	40	7	60	60	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Moving into fully stocked stand.</p>														
9	C 6	Q 1	92	83	8	160	40	cedar	immature	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p>														
<p>comnts Fmd : There is a drainage/small creek in the southeast portion of this stand; north piece is laced with tag alder, further south is solid cedar, west edge is low with spruce, fir, birch & cedar.</p>														
10	L 0	L 0	32			0		lowland brush	nonstocked	N		not scheduled	0	
<hr/>														
11	C 6	S 1	26	88	8	110	40	cedar	immature	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p>														
<p>comnts Fmd : very narrow ridge of red maple (very poor quality) in NW portion of stand</p>														
12	A 5	A 3	16	31	5	40	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Moving to fully stocked stand</p>														

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13	M 6	M 1	75	73	9	130	55	northern hardwood	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Some hemlock and upland cedar is present west of private.														
Wld : Hemlock,pine and cedar will be held. Buffer transition to lowland stand 15 C6														
14	A 3	G 0	6	17	2	0	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : was a salvage cut														
15	C 6	G 0	189	83	7	140	40	cedar	immature	N		20-29 years	0	
16	M 6	M 1	21	80	8	130	58	northern hardwood	immature	Y	thinning	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access														
comnts Fmd : Some red maple regen on far east along transition. Access may be a concern.														
17	Z 0	Z 0	14			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh Lake														
18	M 6	M 1	132	73	9	130	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Crown release, thin to BA 80; a few ash/low hardwood areas will serve as retention areas.														
Wld : hemlock, pine and cedar will be held to promote mesic conifer component.														
19	M 6	M 1	1	73	9	130	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access														
comnts Fmd : Individual tree selection, crown release, thin to BA 80; a few ash/low hardwood areas will serve as retention areas. Access will be across private, still need to make contact.														
20	P 6	E 2	13	47	7	70	55	balsam poplar & swamp aspen and swamp white birch	immature	N		10-19 years	0	
21	A 6	F 2	10	70	9	110	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This is a new stand within the transition from hardwood to swamp; 1939 photos show all of this had been cut recently. Fir/spruce/mixed hardwood is acceptable regeneration alternative. Preview 7/25/08: will cut everything but spruce. No cedar, hemlock or pine will be cut														
22	Q 6	F 3	94	70	7	100	45	mixed swamp conifer	immature	N		10-19 years	0	
23	A 5	A 3	12	36	5	50	55	aspen (upland)	immature	N		20-29 years	0	
24	M 6	M 1	27	73	8	110	60	northern hardwood	immature	N	thinning	within 0-9 years	2	

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25	Q 6	Q 1	33	78	9	100	40	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Too wet</p>														
26	L 0	L 0	117			0		lowland brush	nonstocked	N		not scheduled	0	
27	C 6	L 1	43	119	7	160	30	cedar	immature	N		10-19 years	0	
28	A 3	G 0	18	17	2	0	60	aspen (upland)	immature	N		40-49 years	0	
29	M 6	M 1	60	73	9	140	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
<p>comnts Fmd : Crown thinning to BA 90; good quality stand with some larger diameter trees. Will keep some scattered yellow birch for retention/diversity. Wld : hemlock, pine and cedar held for mesic conifer initiative.</p>														
30	M 6	M 1	5	73	9	110	60	northern hardwood	immature	N		10-19 years	0	
31	A 3	G 0	121	31	4	0	60	aspen (upland)	immature	N		20-29 years	0	
32	A 6	F 1	9	53	9	150	60	aspen (upland)	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p>														
33	Q 6	L 1	11	83	6	110	40	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet Cedar or Hemlock cutting restraints</p>														
34	Q 6	L 1	15	83	6	110	40	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet Cedar or Hemlock cutting restraints</p>														
35	M 6	M 1	99	73	8	140	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
<p>comnts Fmd : Crown release thinning to BA 90, retain hemlock, cedar & pine.</p>														
36	A 6	F 1	8	74	9	100	50	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Cedar will not be cut</p>														

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37	L 0	L 0	18			0		lowland brush	nonstocked	N		not scheduled	0	
38	Q 5	Q 1	11	70	6	50	40	mixed swamp conifer	immature	N		10-19 years	0	
39	M 6	G 0	18	73	7	110	50	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : Not very high quality hardwoods.														
40	A 2	U 0	19	15	1	0	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Has a lot of red maple/birch regeneration in north and islands/clumps of cedar														
41	F 6	F 1	15	67	8	110	50	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Losing aspen in this stand; could very well become a conversion to aspen but would expect a strong conifer component if it did not regenerate as fir stand. No cedar will be cut.														
Wld : West half of stand hold as wildlife travel corridor, cut east half. Spruce/Fir management obj. 2-3 stick fir spec.														
42	A 2	G 0	6	17	1	0	50	aspen (upland)	immature	N		40-49 years	0	
43	C 6	Q 1	15	83	8	160	40	cedar	immature	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints														
44	Q 6	L 1	7	83	6	110	40	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet Cedar or Hemlock cutting restraints														
45	M 6	M 2	19	73	8	130	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Crown thin release to BA 80; reserve pockets of small fir. Strip of balm of gilead and larger fir in old road in center of stand should be removed as it is falling apart. There is some blowdown in this stand.														
46	C 6	L 1	14	88	8	150	40	cedar	immature	N		10-19 years	0	
47	A 3	G 0	149	20	2	0	60	aspen (upland)	immature	N		30-39 years	0	
48	M 6	M 1	5	68	9	110	55	northern hardwood	immature	N	thinning	within 0-9 years	3	
49	M 6	M 1	10	73	8	120	55	northern hardwood	immature	Y	thinning	within 0-9 years	3	
comnts Fmd : Reserve cedar, hemlock, pine.														

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50	M 6	M 1	11	73	9	120	58	northern hardwood	immature	Y	thinning	within 0-9 years	3	
51	A 4	A 3	3	31	5	10	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Fully stocked stand														
52	A 3	G 0	36	22	5	0	60	aspen (upland)	immature	N		30-39 years	0	
53	A 3	G 0	48	21	5	0	60	aspen (upland)	immature	N		20-29 years	0	
54	C 6	Q 1	58	83	8	160	40	cedar	immature	N		20-29 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints														
55	A 5	A 3	20	36	5	60	60	aspen (upland)	immature	N		10-19 years	0	
56	Q 5	L 1	32	71	6	50	40	mixed swamp conifer	immature	N		10-19 years	0	
comnts Fmd : balm of gilead and birch are falling out of stand														
57	A 6	A 3	137	35	6	70	60	aspen (upland)	immature	N		20-29 years	0	
58	A 4	A 3	29	28	5	10	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : fully stocked stand														
59	P 4	F 2	10	51	7	40	50	balsam poplar & swamp aspen and swamp white birch	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps														
60	Q 6	Q 1	27	78	9	100	40	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Too wet														
61	M 6	M 1	42	80	9	120	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
62	A 6	F 1	19	47	8	90	60	aspen (upland)	immature	N		10-19 years	0	

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63	M 6	M 1	3	80	8	110	55	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : small maple knob needs TSI but suggest waiting til next entry when aspen to north will be ready for cut.														
64	A 5	A 3	22	36	5	60	60	aspen (upland)	immature	N		10-19 years	0	
65	A 3	G 0	56	24	3	0	60	aspen (upland)	immature	N		20-29 years	0	
66	C 6	Q 1	13	83	8	160	40	cedar	immature	N		20-29 years	0	
Treatment Limiting Factors: Cedar or Hemlock cutting restraints														
67	M 9	M 1	74	79	12	130	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
Wld : hemlock and cedar component will be held for mesic conifer enhancement.														
68	A 6	F 1	13	52	8	80	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Has 2-aged characteristics: some places all older, larger diameter trees have fallen out and 8" trees are there. Lots of hazel. Suggest "cleaning" up stand by leaving unmerchantable conifer. Stay on top of slope where it gets steep. 7/25/08 prereview: take all aspen and mixed hardwood. Acceptable regeneration can be mixed hardwood or aspen														
69	C 6	Q 1	219	88	8	210	40	cedar	immature	N		10-19 years	0	
70	M 6	M 2	9	73	9	100	60	northern hardwood	immature	N		10-19 years	0	
71	M 6	M 2	19	73	9	100	60	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : Has some nice pockets of maple regeneration in east central part of stand.														
72	A 3	G 0	28	15	2	0	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Hardwood flooding sale; small buffer of larger trees along Impoundment														
73	C 6	Q 1	7	88	8	210	40	cedar	immature	N		10-19 years	0	
74	L 0	L 0	46			0		lowland brush	nonstocked	N		not scheduled	0	
75	Z 0	Z 0	39			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Hardwood Impoundment														
76	A 3	G 0	23	19	2	0	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Hardwood flooding sale; small buffer of larger trees along Impoundment														

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77	S 6	S 2	8	61	6	80	50	black spruce-swamp	immature	N		20-29 years	0	
78	S 6	S 2	3	61	6	80	50	black spruce-swamp	immature	N		20-29 years	0	
79	A 2	G 0	35	23	4	0	55	aspen (upland)	immature	N		20-29 years	0	
80	A 3	G 0	90	22	2	0	60	aspen (upland)	immature	N		20-29 years	0	
81	M 6	M 1	13	73	9	110	60	northern hardwood	immature	N	thinning	within 0-9 years	3	
comnts Fmd : Fair quality; recommending because of proximity to stand 84, which is slated for thinning. This stand would hold for another 10 years if necessary.														
82	C 6	Q 1	18	88	8	210	40	cedar	immature	N		10-19 years	0	
83	M 2	G 0	16	22	1	0	50	northern hardwood	immature	N		30-39 years	0	
comnts Fmd : aspen & red maple, sparse but fair														
84	M 6	M 2	11	73	9	130	60	northern hardwood	immature	Y	thinning	within 0-9 years	3	
comnts Fmd : crown thin to 80BA; this stand could hold another 10 years if necessary but recommend cutting both stands 81 & 84 together because of proximity.														
85	A 3	G 0	55	24	3	0	60	aspen (upland)	immature	N		20-29 years	0	
86	C 6	Q 1	144	73	8	190	40	cedar	immature	N		10-19 years	0	
87	A 2	G 0	7	10	1	0	55	aspen (upland)	immature	N		40-49 years	0	
88	A 2	G 0	15	24	2	0	50	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : east end is very sparse with regeneration: scattered birch, aspen, maple, fir. Per J. Cousineau, this piece was heavier to fir/birch and was a poor hardwood ridge to begin with.														
89	M 6	M 1	52	73	9	90	60	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : Hardwood Hardwoods tsale, closed 2004														

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90	F 2	G 0	4	30	1	0	50	spruce-fir (uplands-including upland black spruce)	immature	N		30-39 years	0	
comnts Fmd : was a grassy opening treated last in 1978 but is filling in now														
91	M 6	M 1	25	73	9	120	60	northern hardwood	immature	Y	thinning	within 0-9 years	1	
92	A 6	F 1	10	46	8	120	50	aspen (upland)	immature	N		10-19 years	0	
93	F 6	F 1	17	67	8	110	50	spruce-fir (uplands-including upland black spruce)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : 7/25/08 prereview: was decided to leave this stand as transition zone/travel for deer between cedar and hardwood														
400	G 0	G 0	8			0		grass	nonstocked	N		10-19 years	0	
401	G 0	G 0	11			0		grass	nonstocked	N		10-19 years	0	
402	G 0	G 0	4			0		grass	nonstocked	N		10-19 years	0	
403	G 0	G 0	2			0		grass	nonstocked	N		10-19 years	0	
404	G 0	G 0	1			0		grass	nonstocked	N		10-19 years	0	
405	G 0	G 0	17			0		grass	nonstocked	N		10-19 years	0	
406	G 0	G 0	5			0		grass	nonstocked	N		10-19 years	0	
407	G 0	G 0	6			0		grass	nonstocked	N		10-19 years	0	
408	G 0	G 0	2			0		grass	nonstocked	N		10-19 years	0	

CRYSTAL FALLS MGT UNIT

Stand Level Information

Compartment: 68

Entry Year: 2010

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					D B H	Tot. BA								
409	G 0	G 0	3			0		grass	nonstocked	N		10-19 years	0	
410	G 0	G 0	6			0		grass	nonstocked	N		10-19 years	0	
411	G 0	G 0	9			0		grass	nonstocked	N		10-19 years	0	

Total Acres..... 3490