

\* 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	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	O 9	O 2	21		10	70	60	oak	immature	N		10-19 years	0	
2	A 3	M 1	15	14	2	20	70	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : ASPEN HARVESTED(1992)														
3	A 3	A 3	23	27	4	0	70	aspen (upland)	immature	N		20-29 years	0	
4	O 9	M 1	67	86	10	130	70	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : ASPEN MATURE;BUT IN GOOD CONDITION.(1996) Limited out due to Wildlife Division concerns about retaining oak stands in this compartment. (2006)														
5	A 9	M 1	11	78	10	140	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Clearcut with 3-10% oak retention . Also cut no pine.(2006)														
6	O 6	M 1	57	78	8	130	70	oak	immature	Y	shelterwood-seed	within 0-9 years	1	natural regeneration
comnts Fmd : Shelterwood cut to 50' BA oak retention. Summer cut for scarification (after July 15). (2006)														
7	A 3	A 3	26	28	4	0	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Aspen 3-4" av. Some residual oak and pine. (2006)														
8	A 3	A 3	53	29	4	0	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A3 3-4" (2006)														
9	A 3	A 3	28	6	1	0	65	aspen (upland)	immature	N		40-49 years	0	
10	A 3	A 3	47	29	3	0	65	aspen (upland)	immature	N		20-29 years	0	
11	A 3	F 1	27	4	0	0	68	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Residual oak and pine less than 10 BA. (2006)														
12	A 6	M 1	16	80	8	130	70	aspen (upland)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : ALSO W1 IN UNDERSTORY SOME PLACES(1996). Limiting factor 1F, no cut as per wildlife division concerns about maintaining older age classes in this compartment. (2006)														
13	A 3	A 2	48	15	2	50	70	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : SCATTERED OAK LEFTIN SALE.(1996) Residual oak in stand shading out aspen reproduction. (2006)														

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					B	Tot. BA								
14	O 6	X 0	63	85	10	160	65	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : SOME SCATTERED R&amp;W.PINE.(1996) Limited out due to Wildlife Division concerns with retaining oak stands.(2006)</p>														
15	A 9	W 1	46	80	10	140	65	aspen (upland)	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : NW PART OF STAND HEAVY PINE UNDERSTORY.(1996) Aspen looks good. Can hold if needed(2006)</p>														
16	A 3	A 3	38	17	2	0	65	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : ABOUT 8 ACRES OF OAK-PINE INCLUSION.MORE OAK E.PT OF ST. POOR QUALITY.(1996)</p>														
17	R 6	W 1	13		7	130	55	red pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : RECENTLY THINNED AND RELEASED.(1996)</p>														
18	A 3	M 1	18	17		0	70	aspen (upland)	immature	N		40-49 years	0	
<hr/>														
19	O 8	A 2	20	80	10	50	70	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : ASPEN,BIRCH,MAPLE REMOVED IN RECENT HARVEST. W1 ALSO IN UNDERSTORY THINNED IN 1989. (1996) Retain stand for regeneration purposes. (shelter/seed.) (2006)</p>														
20	A 6	M 1	32	80	8	160	70	aspen (upland)	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : LEAVE UNTIL NEXT CUTTING CYCLE.(1996) Limited out due to Wildlife Division concerns about retaining older Aspen age classes and aesthetic consideration along highway. (2006)</p>														
21	A 3	A 3	18	28	4	0	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : SOME R PINE,OAK LEFT FOR AESTHETICS.(1996) Pine and oak in stand. (2006)</p>														
22	R 6	A 2	15		8	90	70	red pine	unevenaged	N		20-29 years	0	
<p>comnts Fmd : R.&amp;W.PINE SEEDS AND SAPS SCATTERED THROUGHOUT;ALSO OAKS LEFT R.PINE SEEDING IN ON TRAIL.(1996) Aspen removed in 1996. Red and white pine saps throughout sale. Large areas of dense pole and log trees, aspen saps less than 2". (2006)</p>														
23	O 6	M 1	17	80	10	170	70	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : SOME R.PINE LOGS.ALSO MI IN UNDERSTORY. SOME HAZELBRUSH.(1996) Limited out due to Wildlife Division concerns about retaining oak stands.(2006)</p>														
24	O 9	A 3	24		13	70	60	oak	unevenaged	N		30-39 years	0	
<p>comnts Fmd :</p>														
25	R 6	U 2	54	43	7	190	60	red pine	immature	Y	thinning	within 0-9 years	1	thinning
<p>comnts Fmd : CONSIDER THINNING NEXT CYCLE.(1996) Third row thin. (2006)</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Age	Acres	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
26	A 3	A 3	53	29	4	30	60	aspen (upland)	immature	N		30-39 years	0	
27	A 3	A 3	4	29	4	30	60	aspen (upland)	immature	N		30-39 years	0	
28	R 8	R 1	16		10	60	65	red pine	unevenaged	N		10-19 years	0	
comnts Fmd : MARK WHEN ST 27 IS THINNED.(1996) Stand 27 is now part of 25. Not in need of thinning.(2006)														
29	A 6	M 1	13	46	7	100	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Some white pine blister rust in adjacent stand. Landowner accessing his property thru this stand.														
30	R 6	U 1	28	42	8	170	60	red pine	immature	N	thinning	within 0-9 years	1	thinning
comnts Fmd : Third row thin. (2006)														
31	R 6	U 1	14	42	8	120	60	red pine	immature	N		10-19 years	0	
32	A 3	A 3	6	30	4	30	55	aspen (upland)	immature	N		20-29 years	0	
33	Q 6	Q 1	7	110	9	80	45	mixed swamp conifer	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Influence zones Recreational site Too wet														
comnts Fmd : INCLUDES OUTLET FROM DEADMANS LAKE.(1996) Save as buffer to lake and outlet. (2006)														
34	A 6	F 2	41	86	9	70	65	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps Recreational site Scenic values/visual values														
comnts Fmd : LEAVE FOR RIVER INFLUENCE ZONE.WILD&SCENIC PROP.DESIGNATION. SLOPES TO RIVER														
35	A 6	F 1	25	75	8	90	65	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps Recreational site Scenic values/visual values														
comnts Fmd : LEAVE FOR RIVER BUFFER on west, Deadman's lake on east. WILD AND SCENIC RIVER PROPOSED.(1996)														
36	A 6	F 2	27	55	8	120	65	aspen (upland)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Scenic values/visual values Delayed treatment for age/size class diversity														
comnts Fmd : Scattered spruce/fir. Limited out due to aesthetic concerns along snowmobile trail and age class distribution. (2006)														

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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								
37	O 6	M 1	25	90	9	80	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : ASPEN CUT OUT IN 1976 (1996)</p>														
38	A 3	A 3	27	30	4	0	60	aspen (upland)	immature	N		20-29 years	0	
39	A 5	F 2	6	55	6	60	65	aspen (upland)	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps Influence zones Scenic values/visual values</p> <p>comnts Fmd : WILD AND SCENIC RIVER CONSIDERATION; BUFFER FRONTAGEON BRULE RIVER. (1996)</p>														
40	A 9	M 1	59	75	10	120	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : COULD CALL OAK OR ASPENTYPE. ALSO 10 BA IN HDWD. STILL IN GOOD COND. LOST ABOUT THIRD OF WHITE BIRCH COMPONENT.(1996) Clearcut with 3-10% oak retention. Also cut no pine (2006)</p>														
41	O 9	M 1	27	90	11	150	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : Limited out due to Wildlife Divisions concern for retaining oak stands in this compartment. (2006)</p>														
42	A 3	A 3	7	28	4	0	65	aspen (upland)	immature	N		30-39 years	0	
43	O 8	A 3	76	17	10	60	70	oak	immature	N		30-39 years	0	
<p>comnts Fmd : SCATTERED OAK LEFT IN STAND(1996).</p>														
44	C 6	Q 2	16	134	8	100	30	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : SOME BLOWDOWN ALONG TRAIL.</p>														
45	A 9	M 1	10	75	10	120	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : COULD CALL OAK OR ASPENTYPE. ALSO 10 BA IN HDWD. STILL IN GOOD COND. LOST ABOUT THIRD OF WHITE BIRCH COMPONENT.(1996) Clearcut with 3-10% oak retention. Also cut no pine.(2006)</p>														
46	A 3	A 3	20	28	3	0	65	aspen (upland)	immature	N		20-29 years	0	
47	M 9	M 1	28		10	80	62	northern hardwood	unevenaged	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : Cut in 2001 as Brule River Timber Sale.(2006)</p>														
48	M 9	M 1	13		10	70	62	northern hardwood	unevenaged	N		20-29 years	0	

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					B H	Tot. BA								
49	A 3	M 1	15	5	0	0	65	aspen (upland)	immature	N		50-59 years	0	
50	A 6	U 1	9	61	9	90	65	aspen (upland)	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u>                      Inadequate volume due to small acreage</p> <p>comnts Fmd : Aspen nice.Nice spruce/fir coming in in patches (don't cut). Next to aspen stand cut 5 years ago. Hold and cut when stands 48 and 49 are re-entered. L.F. =, small acres/volume.(2006)</p>														
51	A 5	A 3	120	25	5	50	65	aspen (upland)	immature	N		30-39 years	0	
52	R 6	F 1	46	43	9	120	60	red pine	immature	N		10-19 years	0	
<p>comnts Fmd : CONSIDER RELEASING AND THINNING NEXT CUTTING CYCLE.(1996) Young aspen overtopping pine in many places. Remove next YOE. (2006)</p>														
53	Q 6	Q 2	5	90	9	150	50	mixed swamp conifer	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u>                      Influence zones                      Regeneration technology inadequate                      Too wet</p> <p>comnts Fmd : LOTS OF BLOWDOWN. SOME LARGE DIAMETER W.SPRUCE. LOGGING MARGINAL.(1996) Low area influencing Brule river.(2006)</p>														
54	F 5	F 2	25	90	5	60	60	spruce-fir (uplands-including upland black spruce)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u>                      Water quality/bmps</p> <p>comnts Fmd : LEAVE FOR BUFFER(1996) Buffers Brule River. (2006)</p>														
55	A 3	A 3	55	17	2	0	70	aspen (upland)	immature	N		40-49 years	0	
56	A 6	F 1	20	80	9	70	70	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u>                      Water quality/bmps                      Influence zones</p> <p>comnts Fmd : RIVER INFLUENCE. LET CONVERT TO CONIFERS.(1996)</p>														
58	Z 0	Z 0	2			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Dead Man's Lake.(2006)</p>														
59	A 3	M 1	22	14	2	20	70	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : ASPEN HARVESTED(1992)</p>														
60	M 9	M 1	12		10	80	62	northern hardwood	unevenaged	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u>                      Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : Cut in 2001 as Brule River Timber Sale.(2006)</p>														

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					B H	Tot. BA								
61	O 6	M 1	10	90	9	80	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : ASPEN CUT OUT IN 1976 (1996)</p>														
62	O 9	M 1	3	90	11	150	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Influence zones</p> <p>comnts Fmd : Small.Hold for travel influence aesthetics.(2006)</p>														
63	O 9	M 1	9	90	11	150	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : Limited out due to Wildlife Divisions concerns about retaining oak stands in this compartment. (2006)</p>														
64	A 6	F 2	6	86	9	70	65	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps Recreational site Scenic values/visual values</p> <p>comnts Fmd : LEAVE FOR RIVER INFLUENCE ZONE.WILD&amp;SCENIC PROP.DESIGNATION. SLOPES TO RIVER(1996) Formerly a part of old stand #34. Bounded by private, Brule River and rec trail. (2006)</p>														
65	A 3	A 3	4	28	4	0	65	aspen (upland)	immature	N		30-39 years	0	
<hr/>														
66	M 9	M 1	5		10	70	62	northern hardwood	unevenaged	N		20-29 years	0	
<hr/>														
67	Q 6	Q 1	7	116	8	70	60	mixed swamp conifer	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Regeneration technology inadequate</p> <p>comnts Fmd : need to field check stand when conditions allow. (2006)</p>														
68	A 9	M 1	10	78	10	140	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Clearcut with 3-10% oak retention. Also cut no pine.(2006)</p>														
69	R 6	X 0	2	23	5	90	60	red pine	immature	N		10-19 years	0	
<p>comnts Fmd : Red pine plantation, part of old ELF study area. (2006)</p>														
70	A 3	A 2	14	15	2	50	70	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : SCATTERED OAK LEFTIN SALE.(1996) Residual oak in stand shading out aspen reproduction. (2006)</p>														
71	R 6	W 1	11		7	130	55	red pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : RECENTLY THINNED AND RELEASED.(1996)</p>														
72	A 3	A 3	13	28	4	0	65	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Aspen 3-4" av. Some residual oak and pine. (2006)</p>														

CRYSTAL FALLS FOREST MGT UNIT

Stand Level Information

Compartment: 173 Entry Year: 2008

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73	A 6	M 1	26	80	8	130	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : ALSO W1 IN UNDERSTORY SOME PLACES(1996). Formerly a part of stand 12. Clear cut with oak, pine retention(2006)														
74	A 6	M 1	27	80	8	130	70	aspen (upland)	mature	Y	selection	within 0-9 years	1	natural regeneration
comnts Fmd : ALSO W1 IN UNDERSTORY SOME PLACES(1996). Patch cuts 1-3 acres in size to reproduce oak. Summer cut (after July15) to scarify. Unable to determine actual cut volume at this time. (2006)														
75	A 6	M 1	38	80	8	160	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : LEAVE UNTIL NEXT CUTTING CYCLE.(1996) Clearcut retaining oak and pine. (2006)														
400	G 0	G 0	4			0		grass	nonstocked	N		not scheduled	0	
401	G 0	G 0	8			0		grass	nonstocked	N		not scheduled	0	
402	G 0	G 0	18			0		grass	nonstocked	N		not scheduled	0	
403	G 0	G 0	6			0		grass	nonstocked	N		not scheduled	0	
404	G 0	G 0	5			0		grass	nonstocked	N		not scheduled	0	
405	G 0	G 0	10			0		grass	nonstocked	N		not scheduled	0	
406	G 0	G 0	10			0		grass	nonstocked	N		not scheduled	0	

Total Acres..... 1922