

Stand	Cover Type-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							
1	L 0	L 0	56		0	0		lowland brush	nonstocked	N		not scheduled	0	
2	Q 6	Q 1	30	96	8	100	45	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Water quality/bmps														
comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.														
3	A 3	G 0	48	18	4	0	60	aspen (upland)	immature	N		30-39 years	0	
4	M 6	M 1	29	78	8	120	52	northern hardwood	two aged	Y	thinning	within 0-9 years	1	
comnts Fmd : Thin stand to 70 sq. ft./acre. Concentrate removal on clumps.														
5	M 6	M 1	8	78	9	110	52	northern hardwood	two aged	N	thinning	within 0-9 years	1	
comnts Fmd : Thin stand to 70 sq. ft./acre. Concentrate removal on clumps.														
6	A 6	M 1	210	27	6	80	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Lots of sugar maple seedlings throughout this stand, especially within a 3-4 chain swath next to the upland maple stands.														
7	M 6	M 1	10	78	9	100	55	northern hardwood	two aged	N		10-19 years	0	
8	Q 6	Q 1	9	96	8	100	45	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Water quality/bmps														
comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.														
9	M 6	M 1	135	78	10	120	52	northern hardwood	two aged	Y	thinning	within 0-9 years	1	
comnts Fmd : Thin stand to 70 sq. ft./acre. Leave any aspen, and if present in the stand, any yellow birch.														
10	A 3	U 0	10	18	2	0	60	aspen (upland)	immature	N		50-59 years	0	
11	A 3	U 0	64	18	2	0	60	aspen (upland)	immature	N		40-49 years	0	
12	A 5	U 0	16	27	5	50	60	aspen (upland)	immature	N		20-29 years	0	

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13	A 3	F 1	80	8	1	0	60	aspen (upland)	immature	N		60-69 years	0	
14	A 3	F 1	110	18	2	0	60	aspen (upland)	immature	N		40-49 years	0	
15	L 0	L 0	10		0	0		lowland brush	nonstocked	N		not scheduled	0	
16	A 6	U 0	121	27	6	70	60	aspen (upland)	immature	N		30-39 years	0	
17	Q 6	Q 1	6	86	8	70	45	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet Water quality/bmps comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.</p>														
18	A 3	F 1	56	13	2	0	60	aspen (upland)	immature	N		40-49 years	0	
19	Q 6	Q 1	14	86	8	70	45	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet Water quality/bmps comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.</p>														
20	M 6	M 1	57	78	8	100	52	northern hardwood	two aged	N	thinning	within 0-9 years	1	
<p>comnts Fmd : Thin to 70 sq. ft/acre. Leave all aspen and yellow birch.</p>														
21	A 6	U 0	126	27	6	90	60	aspen (upland)	immature	N		30-39 years	0	
22	M 6	M 1	52	78	9	110	52	northern hardwood	two aged	N	thinning	within 0-9 years	1	
<p>comnts Fmd : Thin stand to 70 sq. ft/acre. Retain all aspen.</p>														
23	M 6	M 1	7		9	130	55	northern hardwood	two aged	Y	selection	within 0-9 years	1	
<p>comnts Fmd : Select cut to 80 sq. ft/acre and create gaps, expect regeneration, open up 1/2 chain around oak. Leave aspen.</p>														
24	Q 6	Q 1	47	86	8	70	45	mixed swamp conifer	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet Water quality/bmps comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.</p>														

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					B	Tot. BA								
25	A 5	F 1	38	27	6	60	60	aspen (upland)	immature	N		30-39 years	0	
26	Q 6	Q 1	46	86	8	70	45	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Water quality/bmps														
comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.														
27	A 3	F 1	49	14	2	0	60	aspen (upland)	immature	N		40-49 years	0	
28	A 3	F 1	30	8	1	0	60	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Red pine poles scattered throughout this stand.														
29	B 6	F 1	28	81	10	110	55	paper birch	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Retain 3 to 4 birch trees and 1 to 2 aspen (either big tooth or quaking) per acre, cutting all other tree species regardless of merchantability except for red oak, red and white pine. A light underburn will follow the harvest to prepare the seedbed, preferably late summer to early fall. Harvesting shall take place during the summer to avoid conflict with the snowmobile trail. It would be preferable to have whole tree harvesting as the method used to cut the stand to reduce the amount of fuel available to burn. Slash from unmerchantable timber that is cut will provide an adequate fuel load for burning. Summer logging and whole tree harvesting will also help to prepare the seed bed in the event the underburn does not take place. Aspen and spruce/fir will be acceptable species for regeneration if white birch does not regenerate.														
30	A 3	F 1	186	16	2	0	60	aspen (upland)	immature	N		40-49 years	0	
31	R 6	A 2	142	48	8	90	60	red pine	two aged	N		10-19 years	0	
comnts Fmd : FDF														
32	L 0	L 0	19		0	0		lowland brush	nonstocked	N		not scheduled	0	
33	S 3	L 0	28	37	2	0	20	black spruce-swamp	low quality	N		not scheduled	0	
comnts Fmd : Data is estimated from photo interpretation. Site is on organic soils along a creek. It has been in this state for the last 2 aerial photo cycles.														
34	L 0	L 0	10		0	0		lowland brush	nonstocked	N		not scheduled	0	
35	Q 6	Q 1	75	86	8	70	45	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Water quality/bmps														
comnts Fmd : Waucedah-Cathro soil complex. Very poorly drained soils located in depressions of flood plains.														

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D B		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					H	Tot. BA								
36	A 3	F 1	22	14	1	0	60	aspen (upland)	immature	N		40-49 years	0	
37	T 2	U 0	14	14	2	0	60	tamarack	immature	N		50-59 years	0	
38	J 3	G 0	10	14	2	0	60	jack pine	immature	N		40-49 years	0	
39	R 6	F 1	74	48	11	70	60	red pine	two aged	N		10-19 years	0	
comnts Fmd : FDF														
40	A 3	F 1	72	5	1	0	60	aspen (upland)	immature	N		50-59 years	0	
41	A 6	M 1	69	86	10	100	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Cut all trees >4-inches dbh regardless of species or merchantability except the following; yellow birch, red oak, and white pine, and if there are any present, hemlock and red pine.														
42	A 3	F 1	16	26	4	0	60	aspen (upland)	immature	N		30-39 years	0	
43	R 6	A 1	15	48	10	120	70	red pine	immature	N		10-19 years	0	
comnts Fmd : FDF														
44	R 9	F 1	39	48	10	160	70	red pine	immature	N		10-19 years	0	
comnts Fmd : FDF														
45	A 6	U 0	6	81	10	80	55	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Clearcut this stand removing all species >6-inches dbh regardless of species or merchantability except northern white cedar. A portion of this stand is wet and drains to the North Branch of the Ford River. This should only be harvested during frozen conditions to protect soil and water quality.														
46	A 3	U 0	13	26	2	0	60	aspen (upland)	immature	N		30-39 years	0	
47	A 6	F 2	24	42	7	110	60	aspen (upland)	immature	N		10-19 years	0	
48	A 6	F 1	16	42	7	100	60	aspen (upland)	immature	N		10-19 years	0	

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					B	Tot. BA								
49	A 3	F 1	50	17	2	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd :														
50	M 6	M 1	11	78	8	100	55	northern hardwood	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : This stand is to be clearcut. Cut all tree's >2-inches dbh except red oak, red and white pine, and any maple trees greater than 16-inches dbh. The goal is to manage for a mix stand of red maple, aspen, red oak, red and white pine.														
51	M 6	F 1	8	82	8	130	60	northern hardwood	immature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This stand is to be clearcut. Cut all tree's >2-inches dbh except red oak, red and white pine, and any maple trees greater than 16-inches dbh. The goal is to manage for a mix stand of red maple, aspen, red oak, red and white pine.														
52	A 6	F 2	9	30	5	70	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd :														
53	M 6	M 1	17	72	8	120	60	northern hardwood	two aged	Y	thinning	within 0-9 years	1	
comnts Fmd : Thin stand to 70 sq. ft. per acre. Open up around oaks and pines by thinning residual to 60 sq. ft. per acre. Retain all aspen and yellow birch.														
54	M 6	M 1	18	72	7	110	60	northern hardwood	two aged	N	thinning	within 0-9 years	1	
comnts Fmd : Thin stand to 70 sq. ft. per acre. Open up around oaks and pines by thinning residual to 60 sq. ft. per acre. Retain all aspen and yellow birch.														
55	A 5	F 1	7	30	6	60	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd :														
56	A 5	U 0	8	30	6	50	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd :														
57	F 6	U 0	15	30	7	140	60	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd :														
58	A 5	F 1	5	30	5	60	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd :														
59	R 6	F 1	96	48	8	160	60	red pine	immature	N	thinning	within 0-9 years	1	
comnts Fmd : FDF. Thin stand by removing every third row. Remove all aspen. Leave spruce and if present, any white pine as per retention guidelines.														
60	J 3	G 0	29	15	3	0	70	jack pine	immature	N		30-39 years	0	
comnts Fmd : Stand is a mix of J3, A3, strips of J5 from previous cutting, and scattered mature red pine.														
61	A 3	F 1	6	14	1	0	60	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd :														

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					D B	Tot. BA								
62	A 3	F 1	6	14	1	0	60	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Scattered red pine, white spruce, and balsam fir.														
63	L 0	G 0	20			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
64	Q 6	Q 1	57	86	8	90	45	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet Water quality/bmps														
comnts Fmd : Carbondale-Cathro mucks soil complex.														
65	L 0	G 0	12			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
66	L 0	G 0	10			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
67	C 6	F 1	165	70	9	160	52	cedar	immature	N		10-19 years	0	
comnts Fmd :														
68	B 6	F 1	12	81	9	100	55	paper birch	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : Stand is a small upland patch of birch/aspen within a larger lowland cedar/black spruce complex. This stand is being retained to provide for mature species type in the landscape.														
69	L 0	G 0	4			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
70	B 6	F 2	28	81	8	110	55	paper birch	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Stand is a small upland patch of birch/aspen within a larger lowland cedar/black spruce complex. This stand is being retained to provide for mature birch/aspen species types in the landscape.														
71	L 0	G 0	5			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
72	A 6	F 1	15	81	8	90	55	aspen (upland)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Stand is a small upland patch of birch/aspen within a larger lowland cedar/black spruce complex. This stand is being retained to provide for mature species type in the landscape.														
73	L 0	G 0	7			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														

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					B	Tot. BA								
74	L 0	G 0	7		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
75	A 5	F 1	7	33	5	50	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Data for this stand has been estimated based on stands in the same compartment treated at the same time. Data has actually been collected in those stands.														
76	M 6	M 1	36	78	8	120	52	northern hardwood	two aged	Y	thinning	within 0-9 years	1	
comnts Fmd : Thin stand to 70 sq. ft/acre. Concentrate removal in the 6-8 inch diameter classes.														
77	S 6	L 0	78	70	7	90	52	black spruce-swamp	immature	N		10-19 years	0	
comnts Fmd :														
78	S 6	L 0	36	70	8	70	52	black spruce-swamp	immature	N		10-19 years	0	
comnts Fmd :														
79	C 6	F 2	52	70	9	140	52	cedar	immature	N		10-19 years	0	
comnts Fmd :														
80	S 6	L 0	21	83	6	120	52	black spruce-swamp	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : Stand will be re-evaluated at next entry.														
81	C 6	L 0	80	83	9	170	52	cedar	mature	N		10-19 years	0	
comnts Fmd :														
82	A 6	U 0	4	81	10	100	55	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Influence zones														
Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : Stand is a small upland patch of aspen within a larger lowland cedar/black spruce complex. This stand is being retained to provide for mature aspen species types in the landscape for wildlife habitat.														
83	C 6	L 0	6	81	8	300	52	cedar	mature	N		10-19 years	0	
comnts Fmd :														
84	X 0	X 0	6			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Nature Trail (Cleveland Homestead Road)														
85	L 0	G 0	15			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd :														
400	G 0	G 0	5			0		grass	nonstocked	N		not scheduled	0	

CRYSTAL FALLS FOREST MGT UNIT

Stand Level Information

Compartment: 10

Entry Year: 2009

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401	G 0	G 0	4		0	0		grass	nonstocked	N		not scheduled	0	
402	G 0	G 0	6		0	0		grass	nonstocked	N		not scheduled	0	
403	G 0	G 0	1		0	0		grass	nonstocked	N		not scheduled	0	
404	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
405	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
406	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
407	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
408	G 0	G 0	1		0	0		grass	nonstocked	N		not scheduled	0	
409	G 0	G 0	8		0	0		grass	nonstocked	N		not scheduled	0	
410	G 0	G 0	4		0	0		grass	nonstocked	N		not scheduled	0	
411	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	

Total Acres..... 3359