

CADILLAC MGT UNIT

Stand Level Information

Compartment: 131 Entry Year: 2007

* 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	Age	A c r e s	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA	Site Indx							
1	A3	O2	16	15	2	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : avg ht- 20'-30'														
2	R6	R1	22	18	5	80	58	red pine	immature	N		30-39 years	0	
comnts Fmd : Just entering pole class and closing crowns in some places. Avg. ht is 15-20'. 12"-18" annual growth on last 5 yrs worth of leaders.														
3	J6	M1	8	37	7	90	38	jack pine	immature	N		10-19 years	0	
comnts Fmd : OFF-SITE! Low quality (1-2 stick merch. Ht), wait 10yrs to remove and convert. Former MSU experimental planting.														
4	W6	M1	5	40	8	150	57	white pine	immature	N		10-19 years	0	
comnts Fmd : Wait 10 yrs to thin to improve vertical growth through maintaining a higher BA. Experimental planting by MSU.														
5	J6	M1	6	37	7	90	38	jack pine	immature	N		10-19 years	0	
comnts Fmd : OFF-SITE! Low quality (1-2 stick merch. Ht), wait 10yrs to remove and convert. Former MSU experimental planting.														
6	M5	U1	4	55	6	50	45	northern hardwood	low quality	N		not scheduled	0	
comnts Fmd : Low quality, sparsely stocked elm (rock?) and cherry. Serving as an opening with some shaded cover, grasses, and shrubs.														
7	R6	R1	24	18	5	80	58	red pine	immature	N		30-39 years	0	
comnts Fmd : Just entering pole class and closing crowns in some places. Avg. ht is 15-20'. 12"-18" annual growth on last 5 yrs worth of leaders.														
8	A9	M2	11	54	11	130	70	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Final Harvest. Leave all hardwoods (scattered in pockets without any aspen). Well developed sugar maple understory in places.														
9	R9	M1	18	49	10	200	65	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Highly variable density and quality. Lots of high risk defect present. Thin heavily, removing all high risk defect (forks, crooks, etc.) and suppressed small dia. trees. Thin heavily in the proximity of scattered hardwood and adjacent to stand 8, with the hope of expanding aspen/mixed hardwood into the poorer quality areas of red pine. Target resid BA of approx. 100-110 depending on above factors. Not an ideal site for red pine (too high of Kotar) as this rich site has caused some growing defects (crooks, etc.). Long term look at converting (10-20yrs) to aspen/n.hwd.														
10	J3	M2	4	7	1	0	47	jack pine	immature	N		50-59 years	0	
comnts Fmd : Mix of jack pine volunteers (seeded following harvest of strips), cherry, aspen, and maple. Roughly half was planted to red pine, where hwd competition wasn't limiting. Red pine may still have difficulty keeping pace, but stand will grow to be a fully stocked mix of above.														
11	J3	M2	8	7	1	0	47	jack pine	immature	N		50-59 years	0	
comnts Fmd : Mix of jack pine volunteers (seeded following harvest of strips), cherry, aspen, and maple. Roughly half was planted to red pine, where hwd competition wasn't limiting. Red pine may still have difficulty keeping pace, but stand will grow to be a fully stocked mix of above.														
12	A3	A3	13	15	3	0	50	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : A3 - 2-3"dia. (avg ht 32').														
13	E5	E1	8	60	8	50	52	swamp hardwoods	low quality	N		not scheduled	0	
comnts Fmd : Standing dead from past beaver flooding.														

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					B H	Tot. BA	Site Indx							
14	A3	A3	7	16	2	0	59	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd :														
15	W6	M1	19	40	8	250	65	white pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : 3rd row thin now. Rows are fairly wide (cutting 2 is unnecessary) and can be handled with a spec cut. Leave all hardwoods (cut around them).														
16	Q5	A2	20	87	8	60	44	mixed swamp conifer	two aged	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : C7 F4 M4 / A2 M1 F1; Aspen is 1"-3" dia. Some habitat cuts 10 (and 20?) years ago. Lots of CWD. Flowing tributary to Anderson Creek in the stand.														
17	M6	M2	11		7	90	60	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Lots of edge effect; stand is still filling in. F2 understory along north (wet) edge.														
18	F6	M1	8	43	8	130	65	spruce-fir (uplands-including upland black spruce)	immature	N		10-19 years	0	
comnts Fmd : 99 is red maple and cherry. No treatment, re-evaluate in 10 yrs. Providing good dense thermal cover. Flushed several grouse from the tops of the spruce.														
19	M6	M2	6		7	90	60	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Lots of wet edge transitioning to E (stand 20).														
20	E6	F1	7		8	110	45	swamp hardwoods	unevenaged	N		not scheduled	0	
comnts Fmd : Mix of E and M with some areas of cedar, hemlock, white pine and yellow birch. For the most part too wet to treat.														
21	Q6	Q2	4	90	9	110	42	mixed swamp conifer	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps														
comnts Fmd : White pine along stream bluffs with cedar along stream corridor. Mixed hardwood includes sugar maple, elm, and cherry.														
22	A3	A3	5	5	1	0	58	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : avg. ht is 10'-15'.														
23	A6	M1	2	48	9	100	75	aspen (upland)	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Small pure clone of aspen. Treat with stand 27 to the south-east in the next yoe.														
24	W9	M2	6	90	16	140	65	white pine	two aged	N		10-19 years	0	
comnts Fmd : Two-aged with white pine in the overstory/supercanopy and aspen & sugar maple in the canopy/subcanopy. Well developing hardwood understory. Wait 10 years, then treat with a small harvest (group selections) mimicking windthrow/natural disturbance. Long term this will bring in the n.hwd with the white pine.														
25	A6	M1	3	48	9	100	75	aspen (upland)	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Small pure clone of aspen. Treat with stand 27 to the south-east in the next yoe.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
26	R6	M1	2	39	7	70	50	red pine	immature	N		10-19 years	0	
comnts Fmd : Blue beech in the sub-canopy, some hawthorn. Wait 10 years to treat. Stand has powerline r.o.w. through it along the roundty road.														
27	A6	M1	23	45	7	110	73	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Final harvest, 2" spec. Protect shrubs (hawthorn).														
28	A6	M2	8	60	9	110	65	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Cut two rows, leave two. Somewhat curvy, but can be handled with a spec and admin. Nice boles.														
29	W6	M1	13	50	9	210	75	white pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Small patch of overmature, low quality hardwood. Nice spot for large dia. Decaying trees. Small edge of declining aspen adjacent to white pine. Stand is split by powerline r.o.w.														
30	M8	M2	4		12	60	50	northern hardwood	unevenaged	N		not scheduled	0	
comnts Fmd : Final Harvest, 2" spec. Leave hardwood grove at the northwest corner. Two track road that access private from this corner has an easement. Do we need to protect the integrity of this road then???														
31	M7	U1	3		12	30	60	northern hardwood	unevenaged	N		40-49 years	0	
comnts Fmd : Beaver activity along edge of N type.														
32	A3	A3	16	15	2	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : marsh grass with standing water. Beaver activity in adjacent A3.														
33	N0	N0	2			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : No viable regeneration from hardwoods that were habitat cut last YOE. Small inclusion of "E" type in the NE of stand, bordering pvt.														
34	A6	M1	25	51	9	110	65	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Final Harvest with a 2" spec. Consult with Fisheries on buffering Anderson creek tributary in northeast & southeast corners of stand. Southeast, may not year round flow (follow bmp's here); Northeast has year-round flow. Leave oak in southeast corner of stand (near survey corner).														
35	Q9	X0	19	61	10	130	42	mixed swamp conifer	two aged	N		not scheduled	0	
comnts Fmd : Final Harvest, 2" spec. Leave oak. This and stand 40 are mature patches within a larger immature aspen complex.														
Treatment Limiting Factors: Water quality/bmps														
comnts Fmd : Concerns with proximity to Anderson creek trib (entire stand will likely fall within buffer) and small acreage accessible only via private access.														
36	A6	M1	36	51	9	110	65	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Final Harvest, 2" spec. Leave oak. This and stand 40 are mature patches within a larger immature aspen complex.														
37	A6	M1	1	51	9	110	65	aspen (upland)	mature	Y		not scheduled	0	
comnts Fmd : Final Harvest, 2" spec. Leave oak. This and stand 40 are mature patches within a larger immature aspen complex.														
38	A6	M1	23	46	9	100	70	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
comnts Fmd : Final Harvest, 2" spec. Leave oak. This and stand 40 are mature patches within a larger immature aspen complex.														

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					B H	Tot. BA								
39	A6	A1	87	46	7	70	70	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Previously high-graded aspen (somewhat two-aged in structure). Allow it to continue to mature for next YOE. Too many areas of non-commercial diameters. A6A1O7O4W4M4														
40	A6	M1	11	46	9	100	70	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
comnts Fmd : Final Harvest, 2" spec. Leave oak. This and stand 38 are mature patches within a larger immature aspen complex.														
41	O6	O1	92	75	10	120	60	oak	two aged	N		10-19 years	0	
comnts Fmd : Two-aged stand, where second age class is just coming into maturity. Hold off 10 years before treating to allow the second age class to be nursed/trained, then do a partial overstory removal. Aspen clones are currently borderline merchantable, and oak and maple are in process of recruiting into co-dominants of canopy.														
42	R6	M1	9	49	8	180	60	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Thinning from below and removal of at-risk/defect; target 120 sq.ft. of residual BA.														
43	U1	U0	3	105		0	59	upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Some little bluestem, but more shrubs (hawthorn) and cherry saplings, as well as scattered maple and cherry (pole/log) trees. Gradually filling in.														
44	A3	A3	16	7	1	0	62	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : A3 w/residual O7. North Country Trail runs along south boundary of the stand.														
45	W6	N1	45	55	10	140	65	white pine	two aged	N	thinning	within 0-9 years	1	
comnts Fmd : Two-aged white pine stand. Spec cut aspen, cut tree mark white pine and red maple for access and to remove defect in pine. Target removing 1/3rd of basal area, leaving approx 80 sq.ft.														
46	V0	V0	1			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Small area of planted red pine located on bench above Anderson creek. Has never been thinned. No good access- Too steep.														
<u>Treatment Limiting Factors:</u>														
Too steep														
Water quality/bmps														
47	R6	M1	12	49	8	180	60	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Thinning from below and removal of at-risk/defect; target 120 sq.ft. of residual BA.														
48	R6	M1	3	49	8	180	60	red pine	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
49	O6	O1	30	96	9	80	48	oak	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : This stand is the bluff face. Should be unmanaged bio-diversity/old growth area from the river bluff face to the river (except for managing the red pine plantations towards native cover).														

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					B H	Tot. BA	Site Indx							
50	R6	M1	68	48	9	210	75	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : THIN (heavily) FROM BELOW AND TAKE OUT ALL DEFECT. LEAVE ONLY HIGHEST QUALITY RESIDUAL (product wise). TARGET RESIDUAL BA OF 100 SQ.FT. LEAVE ALL HARDWOOD (seed source). PLANTATION CONTINUES INTO COMPARTMENT 130 (to the west), CONTINUE TREATMENT ACROSS COMPARTMENT BOUNDARY. Long term management of this plantation should be geared towards native vegetation (Northern Hardwoods with some residual pine). Accomplish this with a shelterwood cut in 10 years to encourage conversion to n.hwd. When this conversion is complete, add this stand to bio-diversity/old growth area between bluff face and river. There is an MSU research transect within this stand (hwd seed dispersal), contact Mike Walters for information.														
51	A3	A3	5	7	1	0	62	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Very narrow strip of A3, harvested last YOE.														
52	M9	M1	10		12	70	76	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : N.hwds on the flood plain several feet above the river.														
53	M9	M1	4		13	100	76	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : N.hwds w/some large dia. Cedar on the flood plain several feet above the river.														
54	M9	M1	2		13	100	76	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : N.hwds w/some large dia. Cedar on the flood plain several feet above the river.														
55	E9	E2	6		12	100	62	swamp hardwoods	old growth (potential or actual)	N		not scheduled	0	
56	A5	O2	7	68	9	50	50	aspen (upland)	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : Aspen is off-site and in severe decline. Oak is taking over and recruiting from the understory. Leave the stand untreated for soft snags and beaver food (activity present), allowing mast producing oak to succeed.														
57	A5	O2	21	41	6	60	75	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : A504W407 / O2 - Mix of immature off-site aspen, with oak two-aged oak (as well as saplings in the understory). Allow oak to succeed in stand.														
58	E9	E2	33		12	100	62	swamp hardwoods	old growth (potential or actual)	N		not scheduled	0	

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					B H	Tot. BA								
59	O6	M1	24	84	9	70	60	oak	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Too steep</p> <p>comnts Fmd : Areas of oak and as well as some aspen clones. Stand is mostly comprised of bluff face to Anderson creek and the Manistee river.</p>														
60	A3	A3	12	7	1	0	62	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : A3 w/residual O7. North Country Trail runs through the stand.</p>														
61	Q6	E1	10	97	9	100	33	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Too steep Too wet Water quality/bmps</p> <p>comnts Fmd : This is the forested corridor along Anderson creek. Mix of aspen, white pine, an balsam fir on the slopes; with cedar, oak, white pine and hemlock along the creek.</p>														
62	R6	M1	65	50	9	180	54	red pine	immature	Y	thinning	within 0-9 years	1	
<p>comnts Fmd : Thin from below and remove defect. Leave all deciduous species in stand for conversion over the next two entry cycles. Target 120sq.ft. of residual BA. Long term management objective should be to convert to native vegetation (for all stands on and below the river bluff face), mix of northern hardwoods, oak, and pine. (see comments for stand 50).</p>														
63	W6	M1	21	45	10	110	60	white pine	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Mix of upland white pine and aspen, as well as the fringes of floodplain hardwoods along the river.</p>														
64	M9	M1	5		12	80	60	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
65	A5	N1	35	39	6	40	50	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Low quality off-site trembling aspen. Scattered white pine and oak log trees, as well as some jack pine. Obvious browsing on white pine seedlings near the river.</p>														
66	W6	N1	9	56	9	70	60	white pine	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Scattered oak and aspen (a few clones) among white pine.</p>														
67	Z0	Z0	80			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Manistee River</p>														
68	M9	M1	11		12	80	60	northern hardwood	old growth (potential or actual)	N		not scheduled	0	

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					B H	Tot. BA								
69	W9	N 1	6	56	10	120	60	white pine	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Mixed two-aged natural pine stand (year of origin is for younger age class). Browsing apparent on white pine saplings and juniper shrubs.														
70	M9	M 1	9		12	80	60	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
71	M9	M 1	5		12	80	60	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
72	A3	A 3	42	23	2	0	55	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Originated from stand replacing fire in 1982. Scattered openings and fingers of remnant red pine plantation among aspen clones.														
73	A6	O 2	36	70	9	90	58	aspen (upland)	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth Too steep														
comnts Fmd : Stand covers the river bluff face.														
74	M9	M 1	14		12	80	60	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
75	A6	M 1	101	60	9	80	70	aspen (upland)	two aged	Y	final harvest	within 0-9 years	1	
comnts Fmd : Final Harvest- 2" spec. Some areas of barely merchantable aspen will be included for harvest. Avoid areas of hardwood and immature aspen (stands 76 & 77) when running lines. These stands were high-graded in the past, leaving multi-aged clones with scattered mature and immature patches. Approximately 80% of the total acreage for stands 75, 76, and 77 should be final harvested (as represented by this stand). Stands 76 & 77 represent areas of immature (submerchantable) aspen.														
76	M6	A 2	6	60	7	80	60	northern hardwood	two aged	N		20-29 years	0	
comnts Fmd : Stands 75, 76, & 77 were high-graded in the past, leaving multi-aged clones of aspen and scattered mature and immature patches of hardwood and aspen. Approximately 80% of the total acreage for stands 75, 76, and 77 should be final harvested (as represented by stand 75). Stands 76 & 77 represent areas of immature hardwood and (submerchantable) aspen.														
77	M6	A 2	8	60	7	80	60	northern hardwood	two aged	N		20-29 years	0	
comnts Fmd : Stands 75, 76, & 77 were high-graded in the past, leaving multi-aged clones of aspen and scattered mature and immature patches of hardwood and aspen. Approximately 80% of the total acreage for stands 75, 76, and 77 should be final harvested (as represented by stand 75). Stands 76 & 77 represent areas of immature hardwood and (submerchantable) aspen.														
78	O9	M 3	33	85	11	70	60	oak	two aged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Regeneration technology inadequate														
comnts Fmd : Stand was part of the fire in 1982. A salvage of the damage hardwood occurred following the fire. There is stump sprout origin mixed hardwood and a dense subcanopy of Ironwood (M3) that came in after the fire. Oak is still vigorous. Wait 10 years before considering an attempt at converting the sapling ironwood to a desirable understory.														

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					B H	Tot. BA								
79	A3	A3	6	23	3	0	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Fire and salvage created this stand. Some remnant mixed hardwoods scattered.														
80	A3	A3	9	23	3	0	55	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Fire and salvage created this stand. Stand lies on the bluff face. Some remnant mixed hardwoods scattered.														
81	W9	M1	32	57	10	90	52	white pine	two aged	N		10-19 years	0	
82	A4	A2	51	40	5	40	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand is STILL transitioning to pole size class. A4A2O7W7 / O1M1														
83	R6	M1	6	45	8	150	55	red pine	immature	N		10-19 years	0	
comnts Fmd : Stand was thinned in '98-'99.														
84	A2	M1	12	7	2	20	60	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : A2M1 w/ remnant overstory of Oak and a few scattered white and red pine.														
85	W6	A1	5	63	10	100	55	white pine	two aged	N		10-19 years	0	
86	W6	M1	4	57	9	140	55	white pine	two aged	N		10-19 years	0	
87	W6	M1	4	57	9	140	55	white pine	two aged	N		10-19 years	0	
88	W6	M1	29	45	8	160	60	white pine	immature	N	thinning	within 0-9 years	1	
comnts Fmd : Remove approximately 1/3 rd of white pine (by spec, curvy rows to handle at admin). Cut all aspen and remove additional white pine necessary to access the aspen. Possibly delineate areas where it will only be an aspen removal (lower white pine stocking) when doing sale prep. Leave mixed hardwood for canopy diversity.														
89	A3	A3	50	5	1	0	55	aspen (upland)	immature	N		50-59 years	0	
90	W6	M1	13	57	9	140	55	white pine	two aged	N		10-19 years	0	
91	W6	A1	5	63	10	100	55	white pine	two aged	N		10-19 years	0	

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
92	A3	A3	10	5	1	0	55	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Anderson creek corridor.														
94	W6	M1	21	90	10	110	55	white pine	two aged	N		not scheduled	0	
comnts Fmd : Low quality trembling aspen.														
95	A5	M1	9	40	7	50	60	aspen (upland)	immature	N		not scheduled	0	
comnts Fmd : Low quality trembling aspen.														
96	M6	M1	7	73	8	130	60	northern hardwood	immature	Y	selection	within 0-9 years	3	
comnts Fmd : Check line for possible timber trespass (recent). Stand has nice potential (rich site), though small. Sparse understory (no regen). Maybe do a small (low-priority) sale.														
97	A2	A2	2	5	1	0	62	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : spotty regen success. Cattails and wet sedges.														
98	J6	M1	7	53	8	80	50	northern hardwood	high risk	N	final harvest	within 0-9 years	1	
comnts Fmd : Jack pine is off site and falling apart. Cut all aspen and leave the scattered hardwoods. Convert to an aspen/northern hardwood management objective.														
99	J6	X0	7	53	8	80	50	red pine	high risk	N	final harvest	within 0-9 years	1	planting
comnts Fmd : Jack pine is off site and falling apart. This stand differs from 99 (adjacent to the west) in that it has no advanced hardwood regen. Cut the aspen that borders expand it into the stand. Supplement aspen and (expected) jack pine volunteers with planted red pine.														
100	M9	M2	20		10	110	60	northern hardwood	unevenaged	N	selection	within 0-9 years	2	
comnts Fmd : NCT bisects the stand. Use sale conditions to maintain integrity of the trail.														
102	R6	M1	126	45	8	150	55	red pine	immature	N		10-19 years	0	
comnts Fmd : Stand was thinned in '98-'99.														
103	A5	M1	32	40	7	60	55	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Mix of trembling and bigtooth clones with some hardwood.														
104	A3	A3	22	5	1	0	62	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : scattered clumps of immature aspen and a few hardwoods that weren't included in the harvest 10 yrs. Ago.														
105	M6	M1	6	85	9	80	60	northern hardwood	immature	N	selection	within 0-9 years	3	
comnts Fmd : Consider a TSI/firewood sale- low priority.														
106	M6	M1	7	85	9	90	60	northern hardwood	immature	N	selection	within 0-9 years	3	
comnts Fmd : Consider a TSI/firewood sale- low priority.														

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Stand	Cover Type-Size Dnstry	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 H	Tot. BA								
108	R6	R1	40	18	5	80	58	red pine	immature	N		30-39 years	0	
comnts Fmd :														
109	R6	R1	4	18	5	80	58	red pine	immature	N		30-39 years	0	
comnts Fmd :														
110	A6	M1	13	57	9	80	58	aspen (upland)	nonstocked	Y	final harvest	within 0-9 years	1	
comnts Fmd : Avoid pure hardwood and young aspen clones.														
111	A3	A3	8	5	1	0	62	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : scattered clumps of immature aspen and a few hardwoods that weren't included in the harvest 10 yrs. Ago.														
112	A5	M1	6	40	6	60	58	aspen (upland)	nonstocked	N		20-29 years	0	
comnts Fmd :														
401	G0	G0	28					grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some little bluestem, a few scattered ground juniper, some bracken fern and spotted knapweed. Scattered cherry.														
402	G0	G0	8					grass	nonstocked	N		not scheduled	0	
comnts Fmd : spotted knapweed and little bluestem. A few scotch pine (small poles/saps) on edges along the road.														
403	G0	G0	2					grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some little bluestem, fringes of aspen encroaching.														
404	G0	G0	1					grass	nonstocked	N		not scheduled	0	
comnts Fmd : Horse pasture in trespass. Corners are in and visible (from road). A business card was left on the door. Previous adjacent landowner was in trespass in the same way.														
405	G0	G0	10					grass	nonstocked	N		not scheduled	0	
comnts Fmd : spotted knapweed and little bluestem. Check for trespass once the survey corner along 6 rd. is established. There is a private survey corner to the north on the border with private. Consider having the landowner that is trespassing install bluebird nesting boxes on posts along the road.														
406	G0	G0	2					grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some little bluestem, fringes of aspen encroaching.														
407	G0	G0	3					grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some little bluestem, fringes of aspen encroaching.														
408	G0	G0	2					grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : a few dispersed picnic/campsites along the river.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
409	G0	G0	22	23		0		grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Opening is a result of fire in 1982. Some aspen clones among the G.														
410	G0	G0	2	23		0		grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Opening is a result of fire in 1982. Some aspen clones among the G.														
411	G0	G0	2	23		0		grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Opening is a result of fire in 1982. Some aspen clones among the G.														
412	G0	G0	13	23		0		grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : Opening is a result of fire in 1982. Scattered white pine logs,poles, & saps. Little bluestem throughtout. Beginning to fill in with red and white pine. A few small dia. Aspen clones too.														
413	G0	G0	3			0		grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : a few dispersed picnic/campsites along the river.														
414	G0	G0	22			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Scattered young aspen clones. Some warm season grasses and prarie flowers. Some edges were planted to exotic shrubs last time.														
415	G0	G0	3			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some warm season grasses and prarie flowers. Some edges were planted to exotic shrubs last time.														
416	G0	G0	4			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some warm season grasses and prarie flowers. Some edges were planted to exotic shrubs last time.														
417	G0	G0	8			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some warm season grasses and prarie flowers. Some edges were planted to exotic shrubs last time.														
418	G0	G0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some warm season grasses and prarie flowers. Some edges were planted to exotic shrubs last time.														
419	G0	G0	32			0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : Some warm season grasses and prarie flowers. Was burned 10 years ago (low intensity) and little setback of encroaching aspen occurred. Burn again this time with the intention of setting back woody material that is encroaching.														
420	G0	G0	23			0		grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : Some warm season grasses and prarie flowers. Was burned 10 years ago (low intensity) and little setback of encroaching aspen occurred. Burn again this time with the intention of setting back woody material that is encroaching.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H	Tot. BA							
421	G0	G0	11			0	grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : Some warm season grasses and prarie flowers. Was burned 10 years ago (low intensity) and little setback of encroaching aspen occurred. Burn again this time with the intention of setting back woody material that is encroaching.													
422	G0	G0	1			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some little bluestem, fringes of aspen encroaching.													
423	G0	G0	2			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Some warm season grasses and prarie flowers. Some edges were planted to exotic shrubs last time.													
424	G0	G0	3			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : G type with edges of shrubs, bench above Anderson creek.													
425	G0	G0	2	20		0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Opening is a result of fire in the early 80's. Some aspen clones among the G.													
801	R6	M1	15	52	9	170	55	red pine	immature	N	not scheduled	0	
comnts Fmd : Consumers Power timber reserved.													
Total Acres.....			2216										