Table 1 RESERVED WATER RIGHT FOR BLACK CANYON

The ramping rate for the rising portion of the hydrograph is the greater of 500 cfs or 25% of the previous day flow. For the purposes of the attached figures, ramping starts on May 1 to meet the May 1 to July 31 baseflow. For purposes of the attached figures, ramping to meet the 1-day peak flow starts on May 10 every year. Ramping rate on the declining portion of the hydrograph is the greater of 400 cfs or 15% of the previous days flow. Ramping down of flows from the July 31 baseflow to the August 1 baseflow starts on August 1.

				1	-Day Peak Flow		May 1 to Base	-	_	to April 30	Require	al Flow ement for Water Right
	May 1 Forecast			June 2008 Proposed Decree	June 2008 Proposed Decree		Базе	ilow	Dasi	enow	Reserveu	water Right
	of April-July	Actual April-July	Annual	Before Drought	After Drought	Proposed in	June 2008	Proposed in	June 2008	Proposed in	June 2008	Proposed in
	Inflow to	Inflow to	Historical Inflow	,	Recovery	Jan 17, 2001	Proposed	Jan 17, 2001	Proposed	Jan 17, 2001	Proposed	Jan 17, 2001
Calendar	Aspinall Unit	Aspinall Unit	to Aspinall Unit	Reduction	Adjustment	Application	Decree	Application	Decree	Application	Decree	Application
Year	(1000 ac-ft)	(1000 ac-ft)	(1000 ac-ft)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(1000 ac-ft)	(1000 ac-ft)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1975	1,000	850	1,311	7,595	7,595	10,920	1,000	1,000	300	300	436	492
1976	580	479	847	4,188	4,188	5,998	354	526	300	300	276	337
1977	240	167	412	829	829	1,372	300	300	300	300	218	222
1978	900	811	1,229	6,484	6,484	9,799	887	887	300	300	392	460
1979 1980	1,050 1,100	934 956	1,396 1,389	11,034 11,568	11,034 11,568	11,472 12,018	1,056 1,113	1,539 2,080	300 300	300 300	503 520	572 670
1980	280	281	605	11,568	886	1,969	300	300	300	300	220	230
1982	856	741	1,307	6,434	6,434	9,296	837	837	300	300	383	445
1983	690	892	1,624	5,864	5,864	7,347	650	650	300	300	345	374
1984	1,275	1,434	2,371	13,437	13,437	13,887	1,310	2,791	300	300	576	813
1985	925	1,041	1,787	6,513	6,513	10,081	915	915	300	300	397	468
1986	1,000	1,034	1,709	7,595	7,595	10,920	1,000	1,000	300	300	436	492
1987	675	788	1,323	5,635	5,635	7,166	609	633	300	300	336	369
1988	520	390	789	3,273	3,273	5,239	300	458	300	300	249	307
1989	448	443	792	2,176	2,176	4,302	300	377	300	300	232	281
1990	415	382	731	1,673	1,282	3,861	300	340	300	300	222	269
1991	600	600	1,101	4,492	4,492	6,247	408	548	300	300	288	344
1992	540	465	920	3,578	3,578	5,494	300	481	300	300	253	313
1993	1,020	985	1,633	8,922	8,922	11,142	1,023	1,214	300	300	455	532
1994	560	514	919 2,098	3,883 6,866	3,883	5,747	300	503	300 300	300 300	263	330 476
1995 1996	950 900	1,242 829	1,390	6,484	6,866 6,484	10,363 9,799	944 887	944 887	300	300	406 393	476
1996	1,000	1,060	1,743	7,595	7,595	10,920	1,000	1,000	300	300	436	492
1998	690	565	1,072	5,864	5,864	7,347	650	650	300	300	345	374
1999	600	676	1,219	4,492	4,492	6,247	408	548	300	300	288	344
2000	550	505	907	3,730	3,730	5,621	300	492	300	300	261	327
2001	530	506	800	3,426	3,426	5,367	300	469	300	300	251	309
2002	205	157	423	778	778	831	300	300	300	300	218	219
2003	485	429	751	2,740	1,869	4,787	300	419	300	300	229	294
2004	460	421	779	2,359	1,872	4,460	300	390	300	300	229	286
2005	750	588	990	6,312	6,312	8,062	718	718	300	300	373	394
Avg	703	683	1,173	5,378	5,321	7,357	625	780	300	300	337	397
Max	1,275	1,434	2,371	13,437	13,437	13,887	1,310	2,791	300	300	576	813
Min	205	157	412	778	778	831	300	300	300	300	218	219

Note: 1990, 2003 and 2004 are drought Recovery Years under paragraph 32.3 of the June 2008 draft decree and peak flow is reduced.

Explanation of Columns in Table 1

- (1) Calendar Year
- (2) May 1 Forecasted April-July Aspinall Unit Inflow (source" NPS Drought Recovery.xls" spreadsheet provided by Mark Wondzell)
- (3) Actual April-July Aspinall Unit Inflow (source" NPS Drought Recovery.xls" spreadsheet provided by Mark Wondzell)
- (4) Jan-Dec Historical Aspinall Unit Inflow as estimated by the Bureau of Reclamation
 - Note, the 2003-2005 values are from the Division 4 Engineer Gunnison Basin Accounting Spreadsheets.
- (5) Peak calculated using formulas described in paragraph 31.5.2 of the June 2008 Draft Decree in Case No. 01CW05.

May - July Forecast Runoff

in 1,000 ac-ft	Peak flow (cfs)
0 to 372	482.95 +1.44xRunoff
373 to 715	-4651.66 + 15.24xRunoff
716 to 925	5449.13 + 1.15xRunoff
926 to 1,001	-6975.28 + 14.57xRunoff
1,002 to 1,050	-62886 + 70.4xRunoff
>1,050	-180 + 10.68xRunoff

(6) Calculated Peak reduced using formula described in paragraph 32.3.1 of the June 2008 Draft Decree in Case No. 01CW05.

using Year Type as defined in Paragraph 30.2 of the June 2008 Draft Decree in Case No. 01CW05

Forecast Runoff	Formula		
0 to 381	Dry		
382 to 560	Mod Dry		
561 to 709	Avg Dry		
709 to 871	Avg Wet		
871 to 1,123	Mod Wet		
>1,123	Wet		

- (7) Peak calculated using formula described in January 17, 2001 Black Canyon Water Rights Application (65xRunoff^0.78 3,300)
- (8) Calculated using formulas as described in paragraph 31.5.3 of the June 2008 Draft Decree in Case No. 01CW05.

May - July Forecast Runoff

in 1,000 ac-ft	Baseflow (cfs)
0 to 561	300
562 to 690	-1207.69+Runoffx2.692
691 to 1,000	-129 + Runoffx1.129
>1,000	1,000

(9) Calculated using formulas in January 17, 2001 Black Canyon Water Rights Application. Note, ending period in application was July 25.

May - July

Forecast Runoff

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in 1,000 ac-ft	Flow
<380	300
380 to 1,000	1.129xCol2-129
1,000 to 1,120	10.83xCol2 - 9,833
>1.120	3.18xCol2 - 1,264

- (10) Specified to be 300 cfs for all years as described in paragraph 31.5.1 of the June 2008 Draft Decree in Case No. 01CW05.
- (11) Specified in January 17, 2001 Application as being 300 cfs for all year types. Note, starting period in application for this period was July 26.
- (12) Calculated for each year as the sum of the flows requested for each day. Total is for Jan-Dec.
- (13) Calculated for each year as the sum of the flows requested for each day. Total is for Jan-Dec.