

07103797 WEST MONUMENT CREEK BELOW RAMPART RESERVOIR, CO

LOCATION.--Lat 38°58'30", long 104°57'18", in NE¼SE¼ sec.26, T.12 S., R.68 W., El Paso County, Hydrologic Unit 11020003, on Pike National Forest, on right bank 0.1 mi below Wildcat Gulch, and 0.5 mi below Rampart Reservoir.

DRAINAGE AREA.--7.29 mi².

PERIOD OF RECORD.--November 1993 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103797

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,710 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoir and transmountain diversions. Flow mostly regulated by Rampart Reservoir 0.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.7	4.9	4.4	4.1	4.2	3.2	4.1	3.6	3.6	3.8	3.8
2	4.1	3.7	4.9	4.5	4.1	4.2	3.3	3.9	3.6	3.6	3.7	3.8
3	4.1	3.9	4.8	4.5	4.1	4.2	3.4	3.8	3.6	3.5	3.7	3.8
4	4.1	3.9	4.8	4.5	4.1	4.0	3.5	3.8	3.6	3.5	3.7	3.8
5	4.0	3.9	4.8	4.5	4.1	5.4	3.6	3.8	3.6	3.5	3.8	3.8
6	4.1	3.9	4.8	4.5	4.1	4.4	3.6	3.8	3.6	3.7	3.8	3.8
7	4.0	4.1	4.9	4.5	4.1	3.2	3.6	3.8	3.6	3.8	3.7	3.8
8	4.0	4.1	5.1	4.5	4.1	3.3	3.8	3.8	3.6	3.8	3.7	3.8
9	3.8	4.0	5.2	4.5	4.2	3.4	3.7	3.8	3.7	4.2	3.7	3.8
10	3.9	4.0	5.2	4.6	4.2	3.3	3.4	3.9	3.7	4.4	3.6	3.9
11	3.9	4.0	5.2	4.6	4.0	3.4	3.4	3.9	3.6	4.3	3.7	3.8
12	4.0	4.1	5.3	4.6	4.0	3.4	3.4	3.8	3.6	4.3	3.7	3.8
13	4.0	4.3	5.3	4.5	4.0	3.4	3.4	3.9	3.6	4.2	3.7	3.7
14	4.0	4.3	5.3	4.3	4.0	3.4	3.6	3.9	3.6	4.3	3.7	3.6
15	4.0	4.3	5.3	4.3	4.1	3.4	3.7	3.9	3.7	4.3	3.7	3.6
16	4.0	4.3	5.3	4.3	4.0	3.4	3.4	3.9	3.7	4.7	3.8	3.5
17	4.0	4.3	5.3	4.3	4.1	3.4	3.5	4.0	3.8	4.9	3.9	3.5
18	4.0	4.3	5.3	4.3	4.0	3.3	3.5	4.0	3.8	4.9	4.0	3.5
19	4.0	4.3	5.3	4.3	4.1	3.3	3.4	4.0	3.7	5.4	4.2	3.6
20	4.0	4.3	5.2	4.2	4.1	3.5	3.6	3.9	3.7	5.7	4.1	3.5
21	4.0	4.3	5.3	4.1	4.1	3.6	3.7	3.9	3.6	5.3	4.1	3.6
22	3.9	4.5	5.1	4.1	4.1	3.6	3.7	4.1	3.3	5.2	4.1	3.6
23	3.8	4.6	4.9	4.1	4.1	3.6	3.7	4.0	3.3	5.6	4.0	3.6
24	3.8	4.7	5.0	4.1	4.1	3.6	4.0	4.0	3.4	5.7	4.0	3.6
25	3.8	4.8	4.8	4.1	4.1	3.6	4.2	4.0	3.5	5.3	4.0	3.6
26	3.8	4.9	4.7	4.1	4.1	3.6	4.5	3.9	3.5	4.9	4.0	3.6
27	3.8	5.1	4.7	4.1	4.1	3.6	4.8	3.8	3.7	4.9	4.1	3.6
28	3.8	5.1	4.5	4.1	4.1	3.6	4.7	3.8	3.8	4.9	4.1	3.6
29	3.8	5.0	4.4	4.2	4.2	3.4	4.6	3.8	3.6	4.8	4.0	3.6
30	3.8	4.9	4.5	4.1	---	3.1	4.3	3.8	3.7	4.5	3.9	3.6
31	3.8	---	4.4	4.1	---	3.2	---	3.7	---	4.0	3.8	---
TOTAL	122.2	129.6	154.5	133.9	118.6	112.0	112.2	120.5	108.4	139.7	119.8	110.2
MEAN	3.94	4.32	4.98	4.32	4.09	3.61	3.74	3.89	3.61	4.51	3.86	3.67
MAX	4.1	5.1	5.3	4.6	4.2	5.4	4.8	4.1	3.8	5.7	4.2	3.9
MIN	3.8	3.7	4.4	4.1	4.0	3.1	3.2	3.7	3.3	3.5	3.6	3.5
AC-FT	242	257	306	266	235	222	223	239	215	277	238	219

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	4.42	4.90	5.54	5.32	5.46	5.23	5.55	6.55	6.72	7.45	6.57	5.39
MAX	10.1	10.6	9.68	9.36	8.75	10.7	10.5	17.5	15.1	20.6	15.7	12.2
(WY)	(1995)	(1995)	(1994)	(1996)	(1996)	(1994)	(1996)	(1996)	(1996)	(1994)	(1994)	(1994)
MIN	3.35	2.86	2.90	3.15	3.22	3.16	3.58	3.40	3.14	3.08	3.36	2.90
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	1,418.1		1,481.6			
ANNUAL MEAN	3.89		4.05		5.30	
HIGHEST ANNUAL MEAN					10.0	1996
LOWEST ANNUAL MEAN					3.21	2002
HIGHEST DAILY MEAN	5.3	Dec 12	5.7	Jul 20	29	Jul 10, 1994
LOWEST DAILY MEAN	3.2	Jan 9	3.1	Mar 30	1.4	Jan 14, 1997
ANNUAL SEVEN-DAY MINIMUM	3.3	Jan 8	3.3	Mar 29	2.7	Nov 9, 2001
MAXIMUM PEAK FLOW			8.5	Mar 5	a46	Jun 6, 1997
MAXIMUM PEAK STAGE			4.62	Mar 5	5.54	Jun 6, 1997
ANNUAL RUNOFF (AC-FT)	2,810		2,940		3,840	
10 PERCENT EXCEEDS	4.6		4.9		8.9	
50 PERCENT EXCEEDS	3.8		4.0		4.1	
90 PERCENT EXCEEDS	3.4		3.5		3.3	

a From rating curve extended above 30 ft³/s.