

**09089500 WEST DIVIDE CREEK NEAR RAVEN, CO**

LOCATION.--Lat 39°19'52", long 107°34'46", in NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.29, T.8 S., R.91 W., Mesa County, Hydrologic Unit 14010005, on left bank 10 ft downstream from private road bridge, 0.8 mi upstream from Brook Creek, 8 mi south of Raven, and 16 mi south of Silt.

DRAINAGE AREA.--64.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1955 to September 1999. October 1999 to current year (seasonal records only). For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09089500](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09089500)

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,050 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharge, which is fair. Natural flow of stream affected by water imported from Thompson Creek (Roaring Fork basin), Muddy Creek (Muddy Creek basin), and Buzzard Creek (Plateau Creek basin). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,410 ft<sup>3</sup>/s, May 14, 1984, from rating curve extended above 670 ft<sup>3</sup>/s, gage height, 5.83 ft; no flow at times in most years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 324 ft<sup>3</sup>/s, May 18, gage height, 4.10 ft; minimum daily, 0.07 ft<sup>3</sup>/s, Aug. 12.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.64	---	---	---	---	---	e12	82	161	15	0.32	0.35
2	0.61	---	---	---	---	---	11	69	143	14	0.24	0.26
3	2.0	---	---	---	---	---	11	80	120	13	0.22	0.17
4	1.6	---	---	---	---	---	8.1	107	125	11	0.64	0.14
5	1.4	---	---	---	---	---	6.6	78	115	9.4	1.1	0.18
6	1.3	---	---	---	---	---	6.1	67	102	8.2	0.54	0.77
7	1.1	---	---	---	---	---	5.8	66	116	7.4	0.31	2.3
8	0.85	---	---	---	---	---	5.3	69	104	6.2	0.33	1.3
9	0.76	---	---	---	---	---	7.4	70	93	5.3	0.25	1.4
10	0.67	---	---	---	---	---	14	63	97	4.5	0.16	4.5
11	0.60	---	---	---	---	---	22	56	92	3.8	0.10	5.2
12	0.54	---	---	---	---	---	28	63	82	3.2	0.07	2.4
13	0.46	---	---	---	---	---	31	97	77	2.6	0.19	1.7
14	0.46	---	---	---	---	---	41	122	70	2.3	0.09	1.3
15	0.45	---	---	---	---	---	38	164	66	2.0	0.37	0.91
16	0.44	---	---	---	---	---	29	183	61	1.8	0.81	0.68
17	0.42	---	---	---	---	---	32	215	57	1.8	0.90	0.57
18	0.43	---	---	---	---	---	34	232	54	2.9	1.7	0.52
19	0.37	---	---	---	---	---	25	215	50	1.8	1.7	0.53
20	0.39	---	---	---	---	---	22	206	50	1.3	0.85	0.55
21	0.43	---	---	---	---	---	27	203	41	1.2	0.63	0.53
22	0.47	---	---	---	---	---	36	210	35	1.0	1.1	0.47
23	0.80	---	---	---	---	---	41	185	31	0.86	0.54	0.41
24	0.97	---	---	---	---	---	32	182	29	0.67	0.42	0.37
25	1.0	---	---	---	---	---	38	182	27	0.51	0.39	0.36
26	0.86	---	---	---	---	---	66	169	25	0.45	0.30	0.34
27	0.75	---	---	---	---	---	87	178	22	0.46	0.30	0.32
28	0.76	---	---	---	---	---	100	168	20	0.41	0.27	0.31
29	0.92	---	---	---	---	---	101	171	19	0.44	0.22	0.32
30	0.86	---	---	---	---	---	93	167	17	0.43	0.30	0.30
31	0.99	---	---	---	---	---	---	152	---	0.40	0.33	---
TOTAL	24.30	---	---	---	---	---	1,010.3	4,271	2,101	124.33	15.69	29.46
MEAN	0.78	---	---	---	---	---	33.7	138	70.0	4.01	0.51	0.98
MAX	2.0	---	---	---	---	---	101	232	161	15	1.7	5.2
MIN	0.37	---	---	---	---	---	5.3	56	17	0.40	0.07	0.14
AC-FT	48	---	---	---	---	---	2,000	8,470	4,170	247	31	58

e Estimated.

**09091900 RIFLE GAP RESERVOIR NEAR RIFLE, CO**

LOCATION.--Lat 39°37'37", long 107°45'25", in NW¼SE¼ sec.7, T.4 S., R.92 W., Garfield County, Hydrologic Unit 14010005, in gate house of Rifle Gap dam on Rifle Creek, 6.7 mi northeast of Rifle.

DRAINAGE AREA.--136 mi<sup>2</sup>.

PERIOD OF RECORD.--May to September 2003. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09091900](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09091900)

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,960.00 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above NGVD of 1929.

REMARKS.--Reservoir is formed by an earthfill dam. Dam completed May 1967. Capacity, 13,600 acre-ft, 1967 survey, at elevation 5,960.00, crest of spillway. Dead storage below elevation 5,903.0 ft, 896 acre-ft. Inactive storage below elevation 5,908.0 ft, 1,440 acre-ft. Figures given are total contents.

COOPERATION.--Capacity tables provided by U.S. Bureau of Reclamation.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents during period May to September, 7,990 acre-ft, May 1, elevation, 5,941.80 ft; minimum daily mean contents, 2,860 acre-ft, Sept. 30, elevation 5,917.63 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30 .....	-	-	-
Oct. 31 .....	-	-	-
Nov. 30 .....	-	-	-
Dec. 31 .....	-	-	-
CAL YR 2002 .....	-	-	-
Jan. 31 .....	-	-	-
Feb. 28 .....	-	-	-
Mar. 31 .....	-	-	-
Apr. 30 .....	-	-	-
May 31 .....	5,937.82	6,980	-
June 30 .....	5,932.06	5,650	-1,330
July 31 .....	5,923.96	4,000	-1,650
Aug. 31 .....	5,919.20	3,130	-870
Sept. 30 .....	5,917.61	2,850	-280
WTR YR 2003 .....	-	-	-

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO

LOCATION.--Lat 39°22'29", long 108°19'02", in SE¼NW¼ sec.10.T.8 S., R.98 W., Garfield County, Hydrologic Unit 14010006, on left bank 120 ft upstream from county bridge on S. Dry Fork Road, 3.8 mi west of intersection with Roan Creek Road, and 7.8 mi northwest of De Beque.

DRAINAGE AREA.--97.4 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to September 1998, November 2000 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09095300](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09095300)

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,385 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected March to October by diversions for irrigation upstream from gage.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.28	4.4	e0.26	e0.19	e0.19	e0.16	0.25	0.32	0.29	0.17	0.02	0.03
2	0.26	1.0	e0.25	e0.20	e0.18	e0.18	0.22	0.33	0.28	0.16	0.02	0.04
3	6.7	0.35	e0.25	e0.20	e0.17	e0.18	0.27	0.32	0.22	0.16	0.02	0.03
4	e1.3	0.30	e0.23	e0.19	e0.15	e0.18	0.25	0.81	0.19	0.19	0.02	0.05
5	e0.35	0.23	e0.21	e0.18	e0.13	e0.19	0.25	2.4	0.17	0.23	0.01	0.07
6	e0.23	0.21	e0.21	e0.19	e0.14	e0.36	0.25	0.59	0.18	0.21	0.01	3.3
7	e0.14	0.47	e0.20	e0.18	e0.16	2.9	0.23	0.39	0.19	0.09	0.01	1.8
8	0.15	0.35	e0.18	e0.19	e0.18	5.5	0.22	0.40	0.19	0.03	0.02	1.6
9	0.14	21	e0.18	e0.23	e0.18	6.4	0.22	2.9	0.19	0.08	0.01	0.27
10	0.10	1.5	e0.19	e0.21	e0.18	5.2	0.22	4.1	0.22	0.12	0.00	17
11	0.11	e0.54	e0.24	e0.19	e0.18	8.6	0.21	2.6	0.19	0.13	0.00	5.8
12	0.12	e0.39	e0.24	e0.18	e0.21	8.9	0.21	0.78	0.18	0.14	0.00	0.45
13	0.10	e0.33	e0.22	e0.20	e0.24	6.7	0.21	0.49	0.23	0.11	0.01	0.16
14	0.12	e0.29	e0.24	e0.19	e0.20	3.6	0.20	0.40	0.21	0.09	0.01	0.12
15	0.12	e0.27	e0.23	e0.16	e0.19	2.3	0.22	0.58	0.17	0.07	0.02	0.12
16	0.10	e0.29	e0.23	e0.21	e0.19	1.5	0.22	1.4	0.14	0.03	0.01	0.11
17	0.10	e0.28	e0.22	e0.15	e0.19	1.7	0.25	0.53	0.19	0.03	0.01	0.09
18	0.14	e0.27	e0.18	e0.18	e0.18	0.81	0.40	0.42	0.17	0.06	0.03	0.08
19	0.07	e0.28	e0.17	e0.19	e0.17	0.48	0.34	0.37	0.22	0.05	0.01	0.10
20	0.08	e0.28	e0.22	e0.19	e0.19	0.48	0.32	0.36	0.33	0.06	0.00	0.13
21	0.07	e0.27	e0.17	e0.20	e0.18	0.59	0.32	0.36	0.36	0.06	0.00	0.10
22	0.07	e0.26	e0.15	e0.20	e0.17	0.40	0.34	0.35	0.26	0.04	0.00	0.09
23	0.18	e0.27	e0.21	e0.20	e0.20	0.38	0.35	0.34	0.19	0.05	0.15	0.10
24	1.2	e0.25	e0.20	e0.19	e0.19	0.65	0.35	0.30	0.21	0.03	0.13	0.09
25	1.6	e0.20	e0.18	e0.19	e0.19	1.2	0.34	0.30	0.26	0.02	0.09	0.10
26	0.31	e0.24	e0.19	e0.19	e0.18	0.42	0.32	0.30	0.26	0.05	0.03	0.08
27	0.23	e0.29	e0.19	e0.18	e0.18	0.38	0.32	0.31	0.25	0.04	0.03	0.10
28	0.61	e0.29	e0.21	e0.18	e0.17	0.31	0.30	0.26	0.22	0.05	0.05	0.10
29	0.54	e0.30	e0.17	e0.18	---	0.30	0.32	0.23	0.19	0.06	0.03	0.10
30	0.62	e0.28	e0.24	e0.18	---	0.26	0.33	0.23	0.21	0.04	0.04	0.13
31	1.9	---	e0.18	e0.19	---	0.26	---	0.24	---	0.02	0.04	---
TOTAL	18.04	35.68	6.44	5.88	5.06	61.47	8.25	23.71	6.56	2.67	0.83	32.34
MEAN	0.58	1.19	0.21	0.19	0.18	1.98	0.28	0.76	0.22	0.086	0.027	1.08
MAX	6.7	21	0.26	0.23	0.24	8.9	0.40	4.1	0.36	0.23	0.15	17
MIN	0.07	0.20	0.15	0.15	0.13	0.16	0.20	0.23	0.14	0.02	0.00	0.03
AC-FT	36	71	13	12	10	122	16	47	13	5.3	1.6	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MEAN	2.71	2.65	1.72	1.92	3.18	4.97	2.32	4.97	1.37	1.67	1.56	1.97
MAX	7.18	5.09	4.58	4.97	9.42	12.8	9.42	25.9	4.62	7.50	4.05	6.69
(WY)	(1998)	(1998)	(1998)	(1998)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)
MIN	0.58	0.46	0.020	0.010	0.16	0.59	0.27	0.19	0.007	0.003	0.014	0.33
(WY)	(2003)	(2002)	(2001)	(2001)	(2001)	(2002)	(2003)	(2001)	(2001)	(2001)	(2002)	(2001)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1996 - 2003

ANNUAL TOTAL	138.04	206.93	
ANNUAL MEAN	0.38	0.57	2.94
HIGHEST ANNUAL MEAN			7.84
LOWEST ANNUAL MEAN			0.36
HIGHEST DAILY MEAN	21	Nov 9	95
LOWEST DAILY MEAN	0.00	Mar 28	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 29	0.00
MAXIMUM PEAK FLOW			b2,660
MAXIMUM PEAK STAGE			16.93
ANNUAL RUNOFF (AC-FT)	274	410	2,130
10 PERCENT EXCEEDS	0.51	0.61	5.9
50 PERCENT EXCEEDS	0.25	0.20	1.5
90 PERCENT EXCEEDS	0.00	0.04	0.10

e Estimated.

a No flow many days some years.

b On basis of slope-area measurement of peak flow.

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO—Continued  
(National Water-Quality Assessment Program station)

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to September 1998, November 2000 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09095300](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09095300)

PERIOD OF DAILY RECORD.--WATER TEMPERATURE: October 1996 to September 1998.

INSTRUMENTATION.--Water temperature sensor and logger, October 1996 to September 1998.

REMARKS.--Upper Colorado River Basin National Water Quality Assessment Program station (NAWQA).

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Carbonate, wat fltr incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 22...	1305	0.08	10.7	8.5	3,920	10.2	415	445	30	22.4	1,910	0.36	<0.04
NOV 27...	1120	0.37	12.3	8.5	4,350	0.0	484	536	26	24.3	2,200	0.56	<0.04
DEC 30...	1245	0.34	12.3	8.4	4,000	0.0	549	625	22	17.4	1,940	0.33	<0.04
FEB 19...	1245	0.66	11.4	8.6	2,410	2.9	349	389	18	10.7	1,040	0.74	<0.04
APR 16...	1200	0.25	9.4	8.5	4,180	13.8	488	534	30	24.8	2,060	0.33	<0.04
JUN 27...	1200	0.28	8.6	8.4	3,030	21.7	364	415	14	15.9	1,370	0.44	<0.04
AUG 29...	1135	0.04	9.6	8.4	3,410	22.2	349	367	29	17.6	1,620	0.56	<0.04

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
OCT 22...	E.04	<0.008	<0.02	0.021
NOV 27...	0.48	E.005	<0.02	0.086
DEC 30...	0.53	<0.008	<0.02	0.037
FEB 19...	0.34	0.011	0.02	0.167
APR 16...	<0.06	<0.008	<0.02	0.023
JUN 27...	<0.06	<0.008	<0.02	0.019
AUG 29...	<0.06	<0.008	<0.02	0.018

< -- Actual value is known to be less than the value shown.

E -- Estimated laboratory analysis value.

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO—Continued

## SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT					
22...	1300	0.08	10.2	a15	0.00
22...	1305	0.08	10.2	b7	0.00
NOV					
27...	1115	0.37	--	a240	0.24
27...	1120	0.37	0.0	b245	0.24
DEC					
30...	1240	0.34	--	a100	0.09
30...	1245	0.34	0.0	b72	0.07
FEB					
19...	1240	0.66	--	a229	0.41
19...	1245	0.66	2.9	b191	0.34
APR					
16...	1155	0.25	13.8	a44	0.03
16...	1200	0.25	13.8	b58	0.04
JUN					
27...	1200	0.28	21.7	b43	0.03
27...	1205	0.28	--	a36	0.03
AUG					
29...	1130	0.04	--	a32	0.00
29...	1135	0.04	22.2	b15	0.00

a Suspended-sediment concentration determined from a composite sample.

b Suspended-sediment concentration determined from a subsample split of a composite sample.

## 09095500 COLORADO RIVER NEAR CAMEO, CO

LOCATION.--Lat 39°14'21" (revised), long 108°15'56" (revised), in SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.30, T.9 S., R.97 W., Mesa County, Hydrologic Unit 14010005, on left bank 100 ft north of Interstate 70, 0.5 mi upstream from Jackson Canyon, 5.9 mi upstream from Grand Valley project diversion dam, and 7 mi northeast of Cameo.

DRAINAGE AREA.--8,050 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1933 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09095500](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09095500)

REVISED RECORDS.--WRD Colo. 1973: 1970.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,813.73 ft above NGVD of 1929, (levels by Colorado Department of Highways). Prior to Oct. 10, 1934, nonrecording gage on river and water-stage recorder on Highline Canal, about 10 mi downstream at different datum. Oct. 10, 1934 to Feb. 27, 1958, water-stage recorder at site 3.0 mi downstream at datum 22.55 ft lower. Feb. 27, 1958 to Apr. 10, 2003, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversion for irrigation of about 160,000 acres.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,360	1,820	e1,340	1,020	1,140	1,090	1,150	2,780	18,600	4,110	2,060	2,250
2	1,340	1,670	e1,390	1,090	1,140	1,040	1,170	2,600	20,300	3,930	2,070	2,240
3	1,620	1,640	e1,440	1,040	1,170	1,050	1,290	2,460	17,600	3,830	2,070	2,110
4	1,460	1,580	1,310	1,070	1,150	1,030	1,350	2,530	14,900	3,840	2,100	2,140
5	1,400	1,520	1,240	1,110	1,050	1,090	1,350	2,740	12,900	3,620	2,170	2,160
6	1,370	1,500	1,280	1,070	1,060	1,070	1,270	2,600	11,100	3,410	2,210	2,300
7	1,330	1,440	1,260	1,050	959	1,060	1,200	2,370	9,400	3,270	2,150	2,410
8	1,310	1,420	1,190	982	888	1,100	1,160	2,220	8,410	3,100	2,160	2,550
9	1,280	1,930	1,180	976	871	1,100	1,130	2,510	7,930	2,960	2,170	2,710
10	1,230	1,790	1,000	1,000	932	1,130	1,190	2,330	e8,080	2,930	2,170	2,920
11	1,270	1,660	1,100	1,100	1,030	1,150	1,380	2,450	e8,200	2,800	2,140	3,020
12	1,260	1,580	1,070	1,140	1,090	1,200	1,400	2,450	8,050	2,640	2,110	2,840
13	1,270	1,540	1,090	1,120	1,120	1,290	1,630	2,330	7,970	2,610	2,080	2,570
14	1,240	1,490	1,160	1,090	1,270	1,320	1,730	2,490	7,730	2,610	2,120	2,350
15	1,230	1,510	1,100	1,110	1,340	1,420	1,990	2,940	7,400	2,510	2,210	2,330
16	1,220	1,520	1,100	1,090	1,210	1,420	2,210	4,150	7,630	2,410	2,320	2,250
17	1,230	1,440	1,110	1,020	1,140	1,330	2,020	5,370	7,350	2,480	2,240	2,140
18	1,260	1,430	1,180	1,080	1,120	1,290	1,900	6,680	6,750	2,420	2,420	2,140
19	1,270	1,390	1,190	1,010	1,050	1,280	1,850	7,990	6,550	2,470	2,700	2,290
20	1,240	1,320	1,090	1,020	993	1,210	1,770	7,930	6,490	2,410	2,850	2,390
21	1,220	1,260	1,020	1,060	963	1,180	1,670	7,840	6,490	2,390	2,550	2,400
22	1,210	1,260	1,120	1,110	1,020	1,130	1,590	8,250	6,060	2,310	2,420	2,350
23	1,250	1,270	1,070	1,140	1,030	1,180	1,730	9,400	5,850	2,360	2,400	2,290
24	1,430	1,230	925	1,160	989	1,320	2,000	10,700	5,550	2,150	2,360	2,260
25	1,490	1,270	982	1,160	1,020	1,410	2,020	11,900	5,190	1,990	2,410	2,250
26	1,420	1,270	1,010	1,130	1,110	1,370	1,990	12,800	4,750	2,030	2,440	2,270
27	1,400	e1,320	977	1,110	1,070	1,260	2,200	13,400	4,520	2,370	2,390	2,370
28	1,410	e1,140	982	1,110	1,110	1,260	2,610	15,100	4,470	2,710	2,440	2,360
29	1,500	e1,120	1,020	1,130	---	1,180	2,860	16,700	4,340	2,630	2,370	2,320
30	1,450	e1,310	1,080	1,100	---	1,110	2,890	17,900	4,180	2,430	2,280	2,310
31	1,600	---	1,080	1,100	---	1,120	---	18,600	---	2,260	2,240	---
TOTAL	41,570	43,640	35,086	33,498	30,035	37,190	51,700	212,510	254,740	85,990	70,820	71,290
MEAN	1,341	1,455	1,132	1,081	1,073	1,200	1,723	6,855	8,491	2,774	2,285	2,376
MAX	1,620	1,930	1,440	1,160	1,340	1,420	2,890	18,600	20,300	4,110	2,850	3,020
MIN	1,210	1,120	925	976	871	1,030	1,130	2,220	4,180	1,990	2,060	2,110
AC-FT	82,450	86,560	69,590	66,440	59,570	73,770	102,500	421,500	505,300	170,600	140,500	141,400

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2003, BY WATER YEAR (WY)

MEAN	2,143	1,946	1,697	1,587	1,596	1,802	3,156	9,044	12,320	5,752	2,841	2,210
MAX	3,732	3,253	3,002	2,621	2,775	3,365	8,615	20,290	25,830	17,430	6,571	4,271
(WY)	(1985)	(1985)	(1985)	(1985)	(1986)	(1986)	(1962)	(1984)	(1984)	(1957)	(1984)	(1984)
MIN	1,084	1,038	1,004	940	941	1,020	1,723	2,536	2,606	1,515	1,332	1,243
(WY)	(1935)	(1935)	(1935)	(1964)	(1935)	(1935)	(2003)	(1977)	(2002)	(1934)	(1940)	(1934)

## SUMMARY STATISTICS

## FOR 2002 CALENDAR YEAR

## FOR 2003 WATER YEAR

## WATER YEARS 1934 - 2003

ANNUAL TOTAL	604,026	968,069		
ANNUAL MEAN	1,655	2,652		3,847
HIGHEST ANNUAL MEAN				7,605
LOWEST ANNUAL MEAN				1,751
HIGHEST DAILY MEAN	4,020	Jun 2	20,300	Jun 2
LOWEST DAILY MEAN	925	Dec 24	871	Feb 9
ANNUAL SEVEN-DAY MINIMUM	995	Dec 23	970	Feb 5
MAXIMUM PEAK FLOW			21,000	Jun 2
MAXIMUM PEAK STAGE			11.19	Jun 2
ANNUAL RUNOFF (AC-FT)	1,198,000		1,920,000	
10 PERCENT EXCEEDS	2,500		5,930	9,350
50 PERCENT EXCEEDS	1,450		1,520	2,140
90 PERCENT EXCEEDS	1,160		1,070	1,360

e Estimated.

09095500 COLORADO RIVER NEAR CAMEO, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1933 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09095500](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09095500)

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1935 to current year.

WATER TEMPERATURE: April 1949 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1982.

REMARKS.--Daily record of specific conductance is good, except for the periods Dec. 4-18, Aug. 22 to Sept. 30, which are fair, and Oct. 1-4, Oct. 24 to Dec. 1, Apr. 11-23, May 7-19, which are poor. Daily record of water temperature is good. Missing daily data were due to sensor fouling or instrument malfunctions. Prior to water year 1995, daily maximum and minimum specific conductance data are available in district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,970 microsiemens/cm Jan. 19, 1940; minimum, 190 microsiemens/cm June 17-18, 1993.

WATER TEMPERATURE: Maximum, 28.5°C July 22, 1989; minimum, 0.0°C on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,650 microsiemens/cm, Feb. 10; minimum, 222 microsiemens/cm, June 2.

WATER TEMPERATURE: Maximum, 26.2°C, July 26; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
OCT 17...	1215	1,240	9.9	8.5	1,230	9.0	280	79.7	19.1	3.92	4	155	E151
DEC 18...	1000	1,190	11.6	8.4	1,360	1.4	300	85.5	20.0	4.51	4	176	E161
FEB 19...	1015	1,080	10.4	8.3	1,350	4.5	280	79.7	19.7	4.85	4	173	E183
MAR 11...	1025	1,150	9.5	8.2	1,330	7.5	280	77.4	20.1	4.45	5	180	154
APR 23...	1400	1,750	9.8	7.9	1,080	11.1	220	63.3	15.3	4.05	4	127	131
MAY 19...	1555	8,450	8.4	7.8	383	12.4	110	33.7	7.22	1.71	1	24.8	90
JUN 10...	1130	7,940	8.3	8.1	398	14.2	130	37.3	7.80	1.38	1	29.1	91
JUL 24...	0915	2,190	6.8	8.3	834	21.5	200	59.5	13.2	2.97	3	84.4	129
AUG 08...	1205	2,190	8.2	8.6	875	21.3	200	59.0	12.0	2.81	3	88.8	120

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Selenium, water, fltrd, ug/L (01145)
OCT 17...	216	0.3	6.7	151	--	--	--	E.5
DEC 18...	247	0.31	6.6	159	--	--	--	0.6
FEB 19...	243	0.34	8.2	153	--	--	--	0.9
MAR 11...	235	0.32	6.6	153	769	1.05	2,390	1.0
APR 23...	179	0.24	5.6	116	588	0.80	2,780	1.0
MAY 19...	31.3	<0.2	7.9	37.8	198	0.27	4,520	0.6
JUN 10...	38.2	<0.2	7.2	40.9	217	0.29	4,640	E.4
JUL 24...	123	0.3	8.3	95.9	465	0.63	2,750	0.6
AUG 08...	140	0.3	8.2	93.0	477	0.65	2,820	E.5

< -- Actual value is known to be less than the value shown.  
E -- Estimated laboratory analysis value.

## COLORADO RIVER MAIN STEM

09095500 COLORADO RIVER NEAR CAMEO, CO—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,210	1,120	1,180	1,180	1,120	1,160	1,480	1,350	1,420	1,340	1,290	1,320
2	1,120	975	1,020	1,190	1,160	1,170	---	---	---	1,410	1,340	1,390
3	993	955	976	1,190	1,180	1,180	---	---	---	1,390	1,370	1,380
4	992	933	957	1,180	1,170	1,170	1,260	1,200	1,230	1,400	1,350	1,370
5	---	---	---	1,220	1,180	1,200	1,290	1,210	1,250	1,400	1,320	1,370
6	---	---	---	1,240	1,220	1,240	1,330	1,280	1,300	1,320	1,300	1,310
7	---	---	---	1,260	1,240	1,250	1,300	1,280	1,290	1,330	1,310	1,320
8	---	---	---	1,310	1,260	1,300	1,340	1,280	1,300	1,340	1,310	1,320
9	---	---	---	1,300	1,170	1,250	1,360	1,330	1,350	1,410	1,330	1,380
10	---	---	---	1,310	1,230	1,270	1,430	1,360	1,390	1,510	1,360	1,450
11	---	---	---	1,230	1,200	1,220	1,640	1,350	1,460	1,440	1,330	1,380
12	---	---	---	1,270	1,230	1,250	1,500	1,410	1,460	1,430	1,380	1,390
13	---	---	---	1,400	1,270	1,320	1,490	1,450	1,470	1,390	1,350	1,360
14	---	---	---	1,350	1,290	1,320	1,500	1,420	1,470	1,360	1,320	1,350
15	---	---	---	1,340	1,250	1,290	1,420	1,370	1,390	1,380	1,320	1,350
16	---	---	---	1,330	1,300	1,320	1,410	1,360	1,380	1,380	1,330	1,360
17	---	---	---	1,320	1,310	1,320	1,410	1,390	1,400	1,370	1,340	1,350
18	---	---	---	1,370	1,320	1,350	1,400	1,360	1,380	1,440	1,330	1,400
19	---	---	---	1,380	1,360	1,370	1,390	1,310	1,350	1,430	1,380	1,400
20	---	---	---	1,420	1,360	1,400	1,310	1,300	1,310	1,440	1,360	1,410
21	---	---	---	1,490	1,420	1,460	1,350	1,220	1,310	1,470	1,400	1,450
22	---	---	---	1,510	1,480	1,500	1,440	1,330	1,390	1,440	1,390	1,420
23	---	---	---	1,530	1,500	1,520	1,440	1,300	1,350	1,440	1,360	1,400
24	1,310	1,260	1,290	1,520	1,500	1,510	1,420	1,350	1,380	1,410	1,350	1,380
25	1,330	1,250	1,280	1,540	1,500	1,520	1,480	1,420	1,440	1,380	1,330	1,350
26	1,260	1,240	1,250	1,520	1,500	1,510	---	---	---	1,350	1,340	1,340
27	1,260	1,240	1,250	1,520	1,480	1,500	1,500	1,440	1,480	1,360	1,340	1,350
28	1,270	1,250	1,260	1,480	1,440	1,460	---	---	---	1,370	1,340	1,360
29	1,280	1,220	1,260	1,550	1,450	1,500	1,430	1,300	1,360	1,380	1,370	1,370
30	1,250	1,230	1,240	1,580	1,480	1,540	1,470	1,350	1,410	1,390	1,350	1,370
31	1,270	1,170	1,230	---	---	---	1,410	1,320	1,360	1,390	1,350	1,370
MONTH	---	---	---	1,580	1,120	1,350	---	---	---	1,510	1,290	1,370
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1,390	1,370	1,380	1,370	1,320	1,360	1,360	1,310	1,330	666	619	650
2	1,380	1,330	1,360	1,390	1,360	1,380	1,340	1,320	1,330	674	618	648
3	1,370	1,330	1,360	1,410	1,360	1,390	1,330	1,250	1,300	707	674	690
4	1,360	1,330	1,340	1,390	1,370	1,380	1,250	1,200	1,240	758	707	731
5	1,350	1,330	1,340	1,400	1,370	1,380	1,230	1,180	1,210	779	752	764
6	1,420	1,340	1,380	1,400	1,360	1,370	1,180	1,170	1,180	777	750	760
7	1,450	---	---	1,470	1,280	1,390	1,220	1,180	1,210	842	777	800
8	---	---	---	1,400	1,280	1,360	1,250	1,220	1,240	898	842	864
9	1,600	---	---	1,380	1,340	1,370	1,280	1,250	1,270	925	884	906
10	1,650	---	---	1,360	1,330	1,340	1,340	1,280	1,320	961	914	929
11	---	---	---	1,340	1,310	1,330	1,320	1,300	1,320	971	949	960
12	1,490	---	---	1,340	1,300	1,320	1,320	1,240	1,280	965	880	908
13	1,460	1,390	1,440	1,310	1,270	1,300	1,270	1,200	1,250	980	911	935
14	1,390	1,290	1,360	1,270	1,210	1,240	1,200	1,140	1,170	984	954	974
15	1,300	1,240	1,290	1,220	1,160	1,200	1,150	1,080	1,120	954	817	901
16	1,280	1,210	1,250	1,160	1,130	1,140	1,080	976	1,020	817	520	669
17	1,300	1,270	1,280	1,140	1,130	1,130	993	948	963	520	444	486
18	1,340	1,290	1,310	1,230	1,130	1,170	1,040	977	1,010	444	405	423
19	1,350	1,340	1,350	1,260	1,230	1,240	1,120	1,040	1,080	407	359	378
20	1,380	1,340	1,370	1,260	1,250	1,250	1,140	1,090	1,120	369	345	362
21	1,410	1,370	1,390	1,280	1,260	1,280	1,090	1,020	1,040	350	325	334
22	1,440	1,400	1,420	1,290	1,260	1,270	1,060	1,020	1,040	365	309	340
23	1,440	1,380	1,410	1,320	1,290	1,300	1,060	1,040	1,060	350	309	327
24	1,380	1,370	1,380	1,290	1,240	1,280	1,040	976	1,010	331	310	321
25	1,410	1,370	1,390	1,240	1,180	1,210	976	934	948	310	289	301
26	1,410	1,380	1,400	1,180	1,160	1,170	953	939	943	295	281	289
27	1,400	1,330	1,370	1,170	1,150	1,150	957	932	943	292	261	280
28	1,360	1,310	1,350	1,220	1,170	1,200	932	785	856	267	246	257
29	---	---	---	1,230	1,210	1,210	785	728	748	249	235	244
30	---	---	---	1,290	1,230	1,250	741	666	704	237	226	233
31	---	---	---	1,320	1,290	1,310	---	---	---	232	225	227
MONTH	---	---	---	1,470	1,130	1,280	1,360	666	1,110	984	225	577



09095500 COLORADO RIVER NEAR CAMEO, CO—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED  
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	232	223	228	623	592	605	931	889	917	894	870	878
2	229	222	226	650	610	623	939	927	934	905	892	899
3	242	228	236	650	620	632	935	929	933	922	902	908
4	263	241	255	643	623	632	934	905	919	922	904	913
5	285	263	276	654	622	633	923	894	910	920	892	906
6	317	284	299	667	645	653	907	875	891	905	876	893
7	352	317	335	685	666	671	891	878	883	876	853	865
8	379	351	363	705	685	692	901	888	895	853	830	843
9	395	378	389	713	702	707	909	899	902	833	807	821
10	402	387	394	726	713	721	914	900	907	832	787	808
11	392	385	388	779	724	752	922	893	908	827	797	816
12	396	384	391	814	779	794	924	891	913	797	776	786
13	392	383	388	836	814	829	931	904	924	816	790	801
14	398	386	393	828	816	821	944	927	937	846	816	827
15	417	397	409	842	822	828	951	930	943	864	845	854
16	408	396	404	862	842	853	944	891	924	874	858	866
17	417	394	406	871	861	866	962	891	925	878	869	873
18	447	417	436	871	844	857	916	891	906	890	875	882
19	459	444	450	884	855	868	1,110	882	925	910	884	889
20	516	454	461	883	867	875	1,080	802	877	907	864	880
21	462	456	459	888	874	882	837	782	810	864	855	858
22	483	459	473	888	872	883	884	837	864	857	845	851
23	494	476	485	890	858	875	883	864	874	859	852	856
24	503	484	493	897	846	866	878	864	871	862	851	857
25	529	494	509	935	897	921	875	843	862	864	852	858
26	567	529	546	978	935	966	879	841	856	863	853	858
27	588	559	573	975	906	948	862	827	843	859	841	852
28	592	577	584	906	797	847	858	830	837	841	829	836
29	592	573	583	813	790	797	831	822	825	846	832	838
30	604	579	591	852	813	829	833	818	824	856	843	849
31	---	---	---	889	852	864	870	833	849	---	---	---
MONTH	604	222	414	978	592	793	1,110	782	890	922	776	857

## COLORADO RIVER MAIN STEM

09095500 COLORADO RIVER NEAR CAMEO, CO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.8	12.7	13.9	6.7	5.0	5.9	2.9	1.5	2.3	0.2	0.0	0.0
2	14.2	12.5	13.4	6.4	5.3	5.9	3.3	1.8	2.6	0.0	0.0	0.0
3	13.1	11.4	12.1	5.6	3.9	4.8	3.2	1.8	2.5	0.0	0.0	0.0
4	12.9	10.9	11.9	5.6	3.7	4.6	2.9	1.2	2.2	0.0	0.0	0.0
5	14.1	11.5	12.7	5.4	3.1	4.4	3.2	1.4	2.3	0.0	0.0	0.0
6	14.1	11.2	12.7	5.7	3.2	4.6	2.5	0.8	1.9	0.9	0.0	0.3
7	14.6	11.3	13.0	5.2	3.1	4.3	2.8	1.0	2.0	0.9	0.0	0.3
8	14.8	11.5	13.3	5.5	4.0	4.8	2.6	0.9	1.8	0.8	0.0	0.3
9	14.7	11.6	13.3	5.8	4.9	5.3	1.8	0.1	1.1	0.6	0.0	0.2
10	14.2	11.3	13.0	5.3	4.1	4.7	1.1	0.0	0.5	1.4	0.6	0.9
11	13.5	11.3	12.7	5.5	3.8	4.5	0.8	0.0	0.3	2.3	0.6	1.4
12	12.9	10.4	11.8	4.9	2.7	3.9	1.4	0.1	0.7	2.9	1.6	2.2
13	11.9	8.8	10.6	4.1	3.2	3.7	1.7	0.0	0.9	2.8	1.1	2.1
14	11.5	8.5	10.3	4.8	3.1	3.9	1.6	0.0	1.0	2.3	0.8	1.7
15	11.4	8.3	10.1	5.4	3.9	4.6	2.1	0.7	1.4	2.5	1.1	1.7
16	11.3	8.2	10.0	4.5	2.8	3.8	1.9	0.3	1.2	1.5	0.2	1.0
17	11.3	8.3	10.0	4.0	2.1	3.2	2.5	1.9	2.2	1.9	0.2	1.1
18	11.3	8.3	10.0	4.6	2.5	3.6	2.6	1.1	1.9	1.4	0.0	0.7
19	11.0	8.0	9.7	4.2	2.4	3.4	2.6	0.6	1.4	1.1	0.0	0.4
20	10.4	7.7	9.3	4.4	2.0	3.3	1.0	0.0	0.3	1.2	0.0	0.4
21	10.3	7.4	9.1	4.9	2.5	3.8	0.9	0.0	0.3	1.5	0.0	0.6
22	10.2	7.9	9.2	4.9	2.7	4.0	0.6	0.0	0.1	2.3	0.2	1.3
23	10.3	9.1	9.7	4.8	3.0	4.1	0.0	0.0	0.0	3.7	1.6	2.6
24	10.6	8.9	9.6	5.2	3.1	4.2	0.0	0.0	0.0	3.6	2.2	3.0
25	10.1	8.0	9.1	4.8	3.5	4.2	0.0	0.0	0.0	4.8	3.0	3.8
26	9.5	8.1	8.7	3.6	1.9	2.7	0.0	0.0	0.0	4.3	2.3	3.4
27	9.6	7.7	8.7	2.3	0.5	1.5	0.0	0.0	0.0	4.4	2.4	3.5
28	9.4	8.1	8.7	1.8	0.0	1.0	0.0	0.0	0.0	4.2	3.2	3.8
29	9.2	7.6	8.4	1.8	0.1	1.1	0.0	0.0	0.0	4.6	2.9	3.8
30	8.8	6.9	7.9	2.3	0.1	1.4	0.3	0.0	0.0	4.5	3.0	3.8
31	7.8	6.3	7.1	---	---	---	0.0	0.0	0.0	4.6	2.9	3.8
MONTH	14.8	6.3	10.6	6.7	0.0	3.8	3.3	0.0	1.0	4.8	0.0	1.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.5	2.6	3.7	5.5	3.0	4.5	11.5	8.3	10.1	13.0	10.5	11.8
2	4.8	4.0	4.3	6.5	3.7	5.0	10.7	8.8	9.5	14.0	10.7	12.3
3	4.5	2.4	3.5	6.9	4.0	5.6	8.9	7.1	8.1	13.2	11.2	12.2
4	4.1	2.0	3.0	5.9	4.3	4.9	9.0	6.0	7.7	11.5	10.2	10.9
5	3.0	1.5	2.3	5.3	2.5	4.0	8.5	6.7	7.8	12.9	10.2	11.3
6	2.1	0.3	1.3	6.1	3.2	4.7	9.5	6.2	7.7	13.8	10.0	11.8
7	0.8	0.0	0.2	8.1	4.7	6.3	10.8	6.6	8.5	13.8	10.9	12.3
8	0.7	0.0	0.1	8.6	5.5	7.2	11.7	7.2	9.4	13.7	11.5	12.5
9	0.7	0.0	0.2	8.7	5.8	7.4	13.1	8.3	10.7	12.4	10.0	11.0
10	0.0	0.0	0.0	8.5	5.9	7.3	14.1	9.5	11.8	12.0	8.7	10.1
11	0.6	0.0	0.1	10.0	6.7	8.3	15.2	10.6	12.9	13.9	9.4	11.6
12	0.7	0.0	0.2	11.5	8.0	9.7	14.0	11.3	12.7	15.6	10.9	13.2
13	2.2	0.7	1.4	11.8	8.1	10.2	14.4	10.1	12.3	16.0	12.2	14.2
14	4.3	2.2	3.1	10.7	8.2	9.6	14.4	10.8	12.6	16.7	12.9	15.0
15	5.4	3.6	4.4	10.0	7.9	9.3	13.2	11.3	12.1	15.6	14.3	14.8
16	4.7	3.0	3.9	10.2	8.6	9.3	12.9	9.2	11.2	16.6	13.2	14.8
17	5.3	3.1	4.2	9.3	8.5	8.8	12.0	9.5	10.9	15.4	14.0	14.6
18	5.6	3.8	4.7	8.6	6.5	7.6	12.5	9.9	11.0	14.2	12.2	13.2
19	6.0	3.3	4.7	7.5	5.6	6.5	13.1	9.8	11.3	13.4	10.3	12.0
20	5.7	3.0	4.5	8.2	5.9	7.2	13.9	9.2	11.4	13.6	10.7	12.2
21	6.2	3.7	5.0	9.8	7.0	8.3	13.3	10.5	12.0	13.9	11.1	12.5
22	5.2	3.5	4.2	11.2	7.2	9.2	13.0	11.0	12.0	14.4	11.4	12.9
23	4.0	1.9	3.0	12.0	8.4	10.3	11.7	10.1	10.8	14.7	11.9	13.3
24	3.7	1.6	2.8	11.4	9.7	10.5	13.3	9.0	10.9	14.1	11.7	12.9
25	4.1	3.0	3.5	11.3	7.7	9.5	14.8	9.7	12.1	13.5	11.6	12.6
26	4.7	3.5	4.1	10.0	8.0	9.2	15.2	10.9	13.1	13.4	10.8	12.1
27	5.8	4.1	4.9	9.5	7.4	8.5	15.4	11.5	13.5	13.9	11.4	12.8
28	5.7	3.9	4.8	8.1	5.5	6.8	14.9	12.5	13.6	14.0	11.9	13.0
29	---	---	---	8.2	4.4	6.5	13.4	12.0	12.5	13.9	12.0	12.9
30	---	---	---	9.4	5.0	7.3	13.4	11.3	12.3	13.4	12.1	12.7
31	---	---	---	---	6.3	---	---	---	---	13.2	11.7	12.4
MONTH	6.2	0.0	2.9	---	2.5	---	15.4	6.0	11.1	16.7	8.7	12.6

09095500 COLORADO RIVER NEAR CAMEO, CO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.1	11.6	12.4	20.8	18.3	19.4	24.1	19.9	22.0	21.6	17.9	19.8
2	12.5	11.1	11.9	20.7	17.8	19.2	24.4	20.8	22.5	20.6	17.8	19.4
3	13.3	10.9	12.1	21.1	17.8	19.4	23.2	20.6	21.9	20.9	17.5	19.3
4	13.7	11.3	12.5	21.4	18.3	19.8	24.7	20.7	22.5	21.1	17.5	19.2
5	14.2	11.5	12.8	21.8	18.8	20.2	24.6	20.8	22.6	20.2	18.1	19.2
6	14.0	11.3	12.7	21.4	19.0	20.3	24.5	20.7	22.6	19.0	17.1	18.0
7	13.9	11.4	12.6	21.7	18.5	20.0	23.5	21.1	22.4	20.2	17.4	18.7
8	15.0	11.6	13.4	22.0	18.3	20.1	24.4	20.1	22.3	19.5	17.0	18.3
9	14.7	12.4	13.8	22.1	18.3	20.2	25.4	21.2	23.3	18.2	16.0	17.1
10	15.7	12.7	14.2	22.7	18.8	20.8	25.9	21.8	23.9	16.0	14.5	15.2
11	15.5	12.7	14.2	23.0	19.2	21.1	25.9	22.1	24.0	15.8	13.2	14.4
12	15.8	13.1	14.5	23.5	19.5	21.4	25.6	21.9	23.8	16.5	13.3	14.8
13	15.6	12.9	14.4	23.3	19.8	21.6	26.0	22.0	23.9	16.7	14.0	15.3
14	16.0	12.8	14.4	23.9	20.0	21.9	25.5	22.2	23.8	16.4	12.9	14.7
15	16.9	13.5	15.3	24.2	20.6	22.4	23.9	21.5	22.6	16.6	12.7	14.7
16	16.8	14.3	15.8	24.5	20.6	22.6	22.8	20.5	21.8	16.6	13.5	15.1
17	16.2	14.0	15.2	25.1	20.9	23.0	23.0	19.7	21.2	16.2	14.0	14.9
18	16.7	13.5	15.2	25.7	22.2	23.9	22.7	19.4	21.1	15.1	11.9	13.5
19	16.3	14.7	15.5	24.4	21.7	23.3	22.3	18.9	20.7	15.3	11.7	13.2
20	15.5	13.8	14.8	24.9	22.0	23.6	22.0	18.9	20.6	15.6	11.9	13.8
21	15.9	13.1	14.6	25.9	22.1	24.0	22.5	19.5	21.1	15.8	12.2	14.1
22	17.1	14.0	15.6	25.4	22.1	23.8	23.1	19.8	21.4	16.1	12.3	14.2
23	16.9	14.6	15.9	24.4	21.3	22.6	24.0	20.6	22.2	16.4	12.4	14.4
24	16.3	14.5	15.3	25.2	21.0	23.2	23.9	20.7	22.3	16.6	12.6	14.7
25	17.5	13.9	15.6	25.8	22.4	24.2	23.9	21.1	22.5	16.3	12.7	14.6
26	18.1	15.4	16.7	26.2	22.6	24.4	23.6	20.1	21.8	16.5	12.6	14.6
27	18.6	15.8	17.2	25.2	21.5	23.4	22.2	20.2	21.2	16.8	13.0	15.0
28	19.1	16.6	17.8	25.2	22.2	23.6	22.0	18.8	20.4	17.0	13.4	15.2
29	20.0	17.0	18.3	24.9	21.7	23.1	22.4	18.9	20.7	17.2	13.6	15.4
30	20.4	17.5	18.8	24.0	20.5	22.3	22.0	19.1	20.6	17.3	13.8	15.6
31	---	---	---	24.1	21.1	22.5	21.5	17.4	19.5	---	---	---
MONTH	20.4	10.9	14.8	26.2	17.8	22.0	26.0	17.4	22.0	21.6	11.7	15.9

## 09097900 PLATEAU CREEK BELOW COLLBRAN, CO

LOCATION.--Lat 39°14'23", long 107°58'15", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.34, T.9 S., R.95 W., Mesa County, Hydrologic Unit 14010005, on right bank 15 ft downstream from private bridge, 0.3 mi downstream from Grove Creek, and 0.6 mi west of Collbran.

DRAINAGE AREA.--328 mi<sup>2</sup>.

PERIOD OF RECORD.--April to September 2003. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09097900](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09097900)

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,920 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs and diversions for irrigation. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 780 ft<sup>3</sup>/s, May 22, gage height, 5.27 ft; minimum daily, 5.9 ft<sup>3</sup>/s, July 8.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	140	274	8.9	8.0	7.4
2	---	---	---	---	---	---	---	117	277	9.3	8.0	6.8
3	---	---	---	---	---	---	---	126	151	7.4	e9.6	6.7
4	---	---	---	---	---	---	---	184	114	6.9	e9.2	6.1
5	---	---	---	---	---	---	---	183	89	6.9	e8.2	6.7
6	---	---	---	---	---	---	---	164	69	6.8	8.0	8.4
7	---	---	---	---	---	---	---	151	58	6.4	7.9	15
8	---	---	---	---	---	---	---	138	50	5.9	8.4	19
9	---	---	---	---	---	---	---	147	42	6.1	7.8	18
10	---	---	---	---	---	---	---	155	39	6.6	e7.6	67
11	---	---	---	---	---	---	---	135	43	6.7	e8.2	45
12	---	---	---	---	---	---	---	132	39	7.1	e11	33
13	---	---	---	---	---	---	---	169	38	6.6	e14	29
14	---	---	---	---	---	---	---	193	33	6.5	e12	26
15	---	---	---	---	---	---	---	286	29	6.5	e44	25
16	---	---	---	---	---	---	---	343	27	6.7	e23	23
17	---	---	---	---	---	---	---	444	24	7.7	e16	22
18	---	---	---	---	---	---	---	425	25	8.3	e14	23
19	---	---	---	---	---	---	---	399	24	7.3	e10	24
20	---	---	---	---	---	---	---	406	31	8.1	e8.2	23
21	---	---	---	---	---	---	---	422	28	8.0	e8.4	23
22	---	---	---	---	---	---	---	505	22	7.9	e7.8	22
23	---	---	---	---	---	---	---	488	20	8.2	7.0	18
24	---	---	---	---	---	---	---	379	19	6.6	8.6	18
25	---	---	---	---	---	---	---	356	17	7.0	8.6	17
26	---	---	---	---	---	---	137	318	14	8.8	6.9	16
27	---	---	---	---	---	---	198	397	12	7.2	6.9	16
28	---	---	---	---	---	---	218	426	11	7.8	8.7	15
29	---	---	---	---	---	---	202	379	9.2	7.3	7.9	15
30	---	---	---	---	---	---	166	325	7.8	7.8	7.0	16
31	---	---	---	---	---	---	---	241	---	8.1	8.4	---
TOTAL	---	---	---	---	---	---	---	8,673	1,636.0	227.4	329.3	610.1
MEAN	---	---	---	---	---	---	---	280	54.5	7.34	10.6	20.3
MAX	---	---	---	---	---	---	---	505	277	9.3	44	67
MIN	---	---	---	---	---	---	---	117	7.8	5.9	6.9	6.1
AC-FT	---	---	---	---	---	---	---	17,200	3,250	451	653	1,210

e Estimated.

09105000 PLATEAU CREEK NEAR CAMEO, CO

LOCATION.--Lat 39°11'00", long 108°16'02", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.18, T.10 S., R.97 W., Mesa County, Hydrologic Unit 14010005, on left bank 300 ft from State Highway 65, 1.15 mi upstream from mouth, and 4.0 mi northeast of Cameo.

DRAINAGE AREA.--592 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1935 to September 1983. October 1985 to current year. Prior to May 1936, monthly discharges only, published in WSP 1313. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09105000](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09105000)

REVISED RECORDS.--WSP 979: 1942. WSP 2124: Drainage area. WDR CO-83-2: 1973 (M), 1975 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,840 ft above NGVD of 1929, from topographic map. Prior to Aug. 27, 1936, nonrecording gage.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 25,000 acres, return flow from irrigated areas, and for power development.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	76	47	e47	45	e46	73	173	324	32	30	29
2	42	53	46	e41	e46	48	94	149	425	31	28	27
3	102	49	45	e44	e45	46	92	149	209	29	29	27
4	77	46	42	e46	43	52	75	247	159	28	28	26
5	53	46	44	e43	43	52	70	238	125	28	27	35
6	46	44	41	e40	e40	47	66	211	100	28	27	39
7	43	45	41	e42	e37	49	65	189	88	28	27	44
8	42	49	41	e40	e39	53	62	168	79	26	29	55
9	40	135	39	e44	e45	54	65	207	68	26	30	82
10	38	72	42	e49	e42	56	81	195	59	27	29	237
11	37	58	44	e48	e45	60	113	174	60	26	29	129
12	37	50	43	e46	41	71	154	157	62	25	32	91
13	37	49	41	42	44	87	148	185	62	25	36	81
14	37	52	40	44	e55	100	183	211	54	24	34	78
15	37	51	42	44	e50	100	192	318	48	24	72	76
16	38	46	42	e39	e47	96	167	385	46	20	46	73
17	38	46	47	e44	e48	84	144	501	45	19	40	68
18	39	49	e45	e37	e47	79	144	474	48	20	39	71
19	40	45	e41	e44	e46	66	131	480	50	19	35	73
20	41	46	e39	e45	45	57	106	465	62	19	28	73
21	42	48	e49	46	49	64	97	494	73	20	28	71
22	43	47	e42	45	46	61	107	536	64	21	25	70
23	46	48	e35	45	44	65	138	690	55	22	24	65
24	50	49	e44	45	41	103	111	474	53	21	27	63
25	48	51	e46	46	49	85	91	431	51	21	26	61
26	46	45	e41	45	46	73	146	348	48	23	25	61
27	46	41	e42	45	e45	77	229	452	45	23	25	59
28	48	45	e41	46	e47	68	253	550	42	22	28	58
29	52	46	e44	44	---	57	237	485	38	23	29	58
30	48	46	e44	43	---	56	196	432	33	23	30	59
31	50	---	e41	44	---	62	---	310	---	23	31	---
TOTAL	1,430	1,573	1,321	1,363	1,260	2,074	3,830	10,478	2,675	746	973	2,039
MEAN	46.1	52.4	42.6	44.0	45.0	66.9	128	338	89.2	24.1	31.4	68.0
MAX	102	135	49	49	55	103	253	690	425	32	72	237
MIN	37	41	35	37	37	46	62	149	33	19	24	26
AC-FT	2,840	3,120	2,620	2,700	2,500	4,110	7,600	20,780	5,310	1,480	1,930	4,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2003, BY WATER YEAR (WY)

MEAN	114	103	86.5	77.3	82.4	107	241	662	502	120	79.7	93.8
MAX	333	207	148	117	148	220	759	1,825	2,975	796	328	255
(WY)	(1942)	(1987)	(1942)	(1998)	(1958)	(1998)	(1942)	(1942)	(1983)	(1995)	(1983)	(1997)
MIN	25.2	37.3	42.1	41.4	42.8	58.3	71.9	33.8	15.6	10.2	13.4	17.4
(WY)	(1978)	(1978)	(1991)	(1961)	(1978)	(1964)	(1990)	(1977)	(2002)	(2002)	(1977)	(1977)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1936 - 2003

ANNUAL TOTAL	16,754.9	29,762	
ANNUAL MEAN	45.9	81.5	190
HIGHEST ANNUAL MEAN			542
LOWEST ANNUAL MEAN			48.8
HIGHEST DAILY MEAN	135	Nov 9	4,100
LOWEST DAILY MEAN	7.4	Jul 21	a7.4
ANNUAL SEVEN-DAY MINIMUM	8.2	Jul 19	8.2
MAXIMUM PEAK FLOW			5,580
MAXIMUM PEAK STAGE			b7.99
ANNUAL RUNOFF (AC-FT)	33,230	59,030	137,700
10 PERCENT EXCEEDS	85	173	408
50 PERCENT EXCEEDS	44	46	96
90 PERCENT EXCEEDS	11	28	46

e Estimated.

a Also occurred Jul 24, 2002.

b Maximum gage height, 8.73 ft, Jun 16, 1995.

PLATEAU CREEK BASIN

09105000 PLATEAU CREEK NEAR CAMEO, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1968 to August 1979, 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=09105000](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09105000)

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1994 to current year.

WATER TEMPERATURE: June 1994 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1994.

REMARKS.-- Daily record of specific conductance is good, except for the periods Dec. 20 to Jan. 12, Jan. 16-21, Feb. 6-12, Feb. 20 to Apr. 12, and Sept. 9, which are fair, and Oct. 1-3, Oct. 17-31, and Sept. 10-30, which are poor. Daily record of water temperature is good. Interruptions in daily record are due to sensor fouling or missing transmissions. Daily maximum and minimum specific conductance data from June 1994 to Sept. 1995 are available in district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 2,220 microsiemens/cm, Sept. 9, 2003, minimum, 160 microsiemens/cm several days in June 1995.

WATER TEMPERATURE: Maximum, 32.1°C, July 11, 2002; minimum, 0.0°C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,220 microsiemens/cm, Sept. 9; minimum, 189 microsiemens/cm, May 23.

WATER TEMPERATURE: Maximum, 31.1°C, July 18; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
OCT 17...	0930	38	10.4	8.3	760	5.5	300	54.6	39.9	5.30	2	65.5	E315
DEC 19...	1230	40	12.5	8.7	778	0.0	320	61.5	40.2	5.05	2	68.3	--
FEB 19...	1315	49	10.4	8.5	760	5.5	300	60.3	35.5	5.48	2	64.8	--
MAR 11...	1230	57	9.8	8.4	751	9.5	290	56.6	35.7	4.43	2	69.1	292
APR 24...	1335	111	8.8	8.4	504	13.6	200	48.6	18.8	3.16	1	32.6	217
MAY 16...	1140	412	8.9	8.2	334	13.5	130	34.3	11.3	2.17	0.6	16.9	146
JUN 09...	1245	71	8.4	8.5	573	19.3	230	51.5	24.0	4.05	1	40.0	257
JUL 24...	1200	21	8.2	8.6	678	24.8	220	33.9	33.7	5.98	2	57.1	286
AUG 13...	0815	34	6.5	8.5	689	21.5	190	29.3	27.6	6.31	3	89.9	280

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)
OCT 17...	6.98	0.6	28.6	85.4	--	--	--
DEC 19...	9.73	0.57	26.4	95.4	--	--	--
FEB 19...	6.93	0.51	25.6	98.9	--	--	--
MAR 11...	6.59	0.51	20.8	102	471	0.64	72.4
APR 24...	3.34	0.29	15.4	50.0	302	0.41	90.6
MAY 16...	2.33	0.2	14.8	23.7	193	0.26	215
JUN 09...	5.24	0.4	23.7	54.8	358	0.49	68.4
JUL 24...	8.23	0.6	25.7	69.4	406	0.55	23.0
AUG 13...	7.77	0.6	24.2	82.3	436	0.59	40.0

E -- Estimated laboratory analysis value.

09105000 PLATEAU CREEK NEAR CAMEO, CO—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	771	709	747	---	---	---	---	---	---	740	684	702
2	709	662	689	---	---	---	---	---	---	740	690	726
3	662	577	617	---	---	---	---	---	---	736	720	730
4	---	---	---	---	---	---	---	---	---	738	704	727
5	---	---	---	---	---	---	---	---	---	743	705	717
6	---	---	---	---	---	---	---	---	---	769	711	749
7	---	---	---	---	---	---	---	---	---	750	711	734
8	---	---	---	---	---	---	---	---	---	742	676	714
9	---	---	---	---	---	---	---	---	---	740	681	720
10	---	---	---	---	---	---	---	---	---	691	665	677
11	---	---	---	---	---	---	---	---	---	670	639	658
12	---	---	---	---	---	---	---	---	---	697	645	676
13	---	---	---	---	---	---	---	---	---	700	607	651
14	---	---	---	---	---	---	---	---	---	707	671	689
15	---	---	---	---	---	---	---	---	---	671	633	647
16	---	---	---	---	---	---	---	---	---	686	659	673
17	---	---	---	---	---	---	---	---	---	692	660	675
18	796	762	778	---	---	---	---	---	---	709	657	688
19	792	762	778	---	---	---	---	---	---	744	685	713
20	793	763	777	---	---	---	833	769	801	738	651	703
21	786	759	773	---	---	---	788	747	769	723	641	682
22	782	757	768	---	---	---	789	752	768	746	662	701
23	781	758	769	---	---	---	847	764	811	734	711	723
24	914	750	777	---	---	---	803	753	779	721	703	714
25	772	750	761	---	---	---	755	723	745	724	698	713
26	769	747	758	---	---	---	808	752	786	710	700	705
27	775	742	762	---	---	---	805	771	786	724	695	708
28	774	734	751	---	---	---	803	752	780	713	693	703
29	769	722	748	---	---	---	767	700	740	712	694	703
30	767	744	756	---	---	---	700	681	690	731	698	715
31	772	704	753	---	---	---	721	693	711	732	702	717
MONTH	---	---	---	---	---	---	---	---	---	769	607	702
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	721	702	710	766	607	706	669	624	655	366	345	359
2	728	690	714	754	607	716	667	592	620	397	364	386
3	739	686	707	739	712	729	600	591	596	407	379	394
4	757	718	741	739	704	720	629	600	615	628	360	408
5	781	723	754	740	693	711	659	629	644	449	402	411
6	782	665	738	739	707	728	665	630	653	426	410	417
7	842	733	792	767	725	749	660	629	649	457	420	431
8	843	771	806	762	716	734	680	624	650	436	422	431
9	787	687	752	750	708	729	683	619	644	507	416	453
10	743	697	721	736	704	723	683	583	619	464	423	436
11	743	689	719	733	665	713	593	508	548	438	426	432
12	707	686	698	719	670	698	---	---	---	459	435	447
13	712	687	699	692	626	664	---	---	---	441	382	413
14	687	524	596	650	564	590	---	---	---	385	371	379
15	549	523	539	601	568	580	---	---	---	478	328	363
16	644	546	593	612	583	597	---	---	---	382	318	327
17	696	643	677	633	593	621	---	---	---	---	---	---
18	751	680	735	675	621	650	---	---	---	---	---	---
19	758	739	749	698	675	692	488	451	469	---	---	---
20	781	751	768	733	691	712	520	485	505	---	---	---
21	794	743	765	758	703	727	551	504	528	---	---	---
22	768	744	761	755	696	723	535	476	510	276	224	247
23	774	753	764	754	671	710	490	437	464	277	189	228
24	775	750	766	709	587	646	495	441	474	312	266	284
25	778	743	757	665	611	647	543	495	523	325	276	304
26	771	745	760	697	663	681	518	402	465	344	306	322
27	773	735	755	706	664	683	410	339	369	346	264	304
28	761	614	715	708	670	691	362	321	335	358	247	299
29	---	---	---	721	687	707	334	316	325	326	255	293
30	---	---	---	720	699	707	348	327	342	330	272	304
31	---	---	---	707	667	698	---	---	---	389	326	351
MONTH	843	523	723	767	564	690	---	---	---	---	---	---

## PLATEAU CREEK BASIN

09105000 PLATEAU CREEK NEAR CAMEO, CO—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	720	661	687	752	684	707	670	636	652
2	370	280	317	724	674	696	847	699	735	680	649	664
3	---	---	---	727	665	695	732	687	711	683	644	665
4	433	381	405	725	668	696	736	694	710	672	643	656
5	470	420	445	728	665	696	726	685	704	680	643	666
6	504	469	484	720	661	685	734	692	714	691	675	685
7	543	504	525	731	662	694	725	687	707	709	676	695
8	563	543	553	730	660	696	729	691	709	713	635	675
9	588	563	578	728	665	692	724	675	701	2,220	644	1,050
10	604	587	598	711	655	682	734	683	708	865	576	780
11	614	597	606	714	656	686	748	683	717	804	781	790
12	597	567	581	730	664	696	748	688	720	796	756	774
13	601	583	594	722	666	689	831	675	741	797	778	788
14	625	582	605	719	658	688	782	733	754	779	726	758
15	636	625	629	710	661	684	823	414	654	757	712	732
16	644	636	640	704	662	680	897	791	820	765	735	749
17	657	644	652	712	665	682	804	744	779	763	747	753
18	658	638	649	705	666	682	762	734	747	777	742	756
19	650	625	635	693	666	675	747	716	735	787	748	762
20	689	617	630	678	651	664	743	708	724	791	756	774
21	623	601	612	690	649	669	735	708	719	802	769	783
22	621	614	618	686	656	671	722	687	706	797	731	775
23	642	618	630	688	650	669	701	671	686	752	716	733
24	657	629	642	691	671	680	962	659	718	763	743	751
25	666	646	656	688	655	673	696	656	675	758	724	738
26	670	640	655	693	653	674	682	653	666	737	713	726
27	675	639	657	701	655	679	678	656	667	722	700	713
28	676	644	662	699	660	681	689	650	669	711	689	700
29	708	672	690	703	659	682	674	643	657	704	680	692
30	730	674	702	716	670	692	669	634	650	697	670	685
31	---	---	---	718	674	694	671	633	652	---	---	---
MONTH	---	---	---	731	649	684	962	414	708	2,220	576	737



09105000 PLATEAU CREEK NEAR CAMEO, CO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.4	9.4	12.6	7.2	3.9	5.7	5.0	1.5	3.0	0.0	0.0	0.0
2	13.8	10.4	11.9	6.7	4.5	5.9	4.4	2.5	3.3	0.0	0.0	0.0
3	11.6	8.7	10.3	5.8	1.6	3.8	3.3	0.9	2.2	0.0	0.0	0.0
4	14.0	8.7	11.0	5.2	1.9	3.5	2.8	0.0	1.3	0.0	0.0	0.0
5	16.4	10.4	12.9	5.7	0.4	3.0	4.1	0.7	2.1	0.0	0.0	0.0
6	15.7	8.6	12.2	5.8	0.4	3.1	2.5	0.0	1.3	0.0	0.0	0.0
7	15.9	8.7	12.3	5.2	0.7	3.1	2.6	0.0	1.1	0.0	0.0	0.0
8	16.0	8.6	12.3	6.8	3.3	4.9	1.8	0.0	0.7	0.0	0.0	0.0
9	15.1	8.4	11.9	6.4	4.3	5.9	0.4	0.0	0.1	0.0	0.0	0.0
10	15.1	7.8	11.5	5.6	2.4	3.9	0.1	0.0	0.0	0.0	0.0	0.0
11	14.9	8.6	11.9	5.7	3.0	4.2	0.4	0.0	0.0	0.0	0.0	0.0
12	13.6	7.1	10.6	4.8	0.5	2.8	2.7	0.0	1.1	2.5	0.0	1.0
13	12.2	4.8	8.7	3.4	1.5	2.6	2.2	0.0	0.9	2.3	0.0	1.0
14	12.3	5.2	8.9	6.2	2.8	4.3	1.0	0.0	0.3	2.2	0.0	0.8
15	12.0	4.8	8.5	5.9	3.5	4.8	2.1	0.0	0.8	3.0	0.4	1.5
16	12.2	4.7	8.5	4.4	0.5	2.6	2.8	0.0	1.0	0.7	0.0	0.1
17	12.3	5.1	8.8	3.9	0.0	2.1	3.7	2.0	2.6	1.6	0.0	0.5
18	12.2	5.2	8.9	4.4	0.8	2.7	2.1	0.4	1.3	0.1	0.0	0.0
19	11.5	4.7	8.3	4.0	0.4	2.3	1.1	0.0	0.1	0.0	0.0	0.0
20	10.7	4.1	7.6	4.5	0.1	2.2	0.0	0.0	0.0	0.8	0.0	0.1
21	10.8	4.1	7.6	5.0	0.9	2.9	0.0	0.0	0.0	1.7	0.0	0.5
22	10.6	6.2	8.3	5.1	0.9	3.0	0.0	0.0	0.0	3.2	0.0	1.2
23	11.9	7.9	9.7	4.8	1.7	3.2	0.0	0.0	0.0	4.7	1.0	2.7
24	11.3	7.6	9.3	5.9	1.9	3.8	0.0	0.0	0.0	3.9	0.9	2.5
25	11.1	6.7	8.9	5.0	2.1	3.5	0.0	0.0	0.0	5.7	2.5	3.9
26	9.3	6.2	7.6	2.1	0.0	0.8	0.0	0.0	0.0	4.6	0.0	2.4
27	11.0	6.0	8.2	0.6	0.0	0.1	0.0	0.0	0.0	4.9	0.1	2.5
28	10.8	7.3	8.9	1.5	0.0	0.3	0.0	0.0	0.0	4.4	1.5	2.9
29	9.6	5.6	7.4	2.3	0.0	0.7	0.0	0.0	0.0	4.8	0.5	2.6
30	8.3	5.1	6.7	3.3	0.0	1.1	0.0	0.0	0.0	4.4	0.9	2.7
31	7.8	5.8	6.8	---	---	---	0.0	0.0	0.0	5.5	1.2	3.3
MONTH	16.4	4.1	9.6	7.2	0.0	3.1	5.0	0.0	0.7	5.7	0.0	1.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.9	1.9	3.9	7.0	0.4	4.1	13.4	6.4	10.1	12.1	6.3	9.4
2	5.6	2.9	4.1	7.3	0.5	3.6	10.2	6.8	8.4	14.3	7.3	10.9
3	4.2	0.3	2.3	7.5	0.4	3.9	8.2	5.4	6.8	14.5	9.1	11.9
4	2.6	0.0	1.0	4.9	2.1	3.5	9.2	2.9	6.1	11.9	7.7	9.1
5	2.0	0.0	0.4	7.4	0.8	3.7	8.1	3.9	6.1	11.6	6.2	8.8
6	0.8	0.0	0.1	8.2	1.9	4.9	11.8	4.5	7.5	14.0	6.5	10.4
7	0.0	0.0	0.0	10.2	3.4	6.7	13.8	4.6	8.3	12.6	8.6	10.9
8	0.0	0.0	0.0	11.0	3.3	7.1	14.0	3.7	8.7	12.6	8.6	10.7
9	0.0	0.0	0.0	9.8	3.0	6.5	15.8	5.2	10.3	11.1	7.7	8.9
10	0.0	0.0	0.0	9.1	3.4	6.2	15.9	6.6	11.3	10.9	5.3	7.8
11	0.6	0.0	0.1	12.3	4.6	8.0	15.6	7.3	11.6	13.9	5.6	10.0
12	2.3	0.0	0.7	13.0	5.7	9.1	12.7	7.3	10.1	16.7	8.0	12.4
13	4.2	0.7	2.4	12.3	4.4	8.6	14.5	5.9	10.2	15.0	10.2	13.0
14	4.4	1.7	2.9	9.8	4.6	7.7	12.3	7.9	10.5	15.8	9.6	13.0
15	4.7	1.8	3.1	9.7	4.7	7.7	11.1	7.8	9.4	14.1	11.4	12.4
16	4.3	1.2	2.9	9.0	6.7	7.8	13.6	5.6	9.5	16.8	9.5	13.0
17	5.9	1.3	3.6	9.2	6.0	7.2	11.2	6.7	8.9	15.6	10.6	12.8
18	6.6	2.8	4.5	6.5	4.2	5.5	11.6	7.3	9.0	13.0	10.9	11.9
19	7.0	0.0	3.9	8.4	3.7	5.9	13.2	6.0	9.0	14.6	8.6	11.6
20	6.7	0.1	3.4	8.6	3.8	6.4	15.5	5.2	10.1	15.0	8.8	12.1
21	7.2	1.7	4.3	11.8	5.1	7.9	12.7	7.8	10.3	15.2	8.2	12.1
22	5.0	1.9	3.5	13.1	4.0	8.3	12.2	8.6	10.4	16.6	8.8	13.0
23	6.6	0.2	3.0	13.7	5.5	9.6	10.9	7.3	8.7	16.8	8.7	12.7
24	5.0	0.5	2.8	10.7	7.5	9.0	16.3	6.7	11.0	17.4	10.4	14.4
25	4.7	2.3	3.6	12.8	4.5	8.5	17.1	8.2	12.8	16.8	10.9	14.2
26	5.4	2.9	4.1	9.3	5.0	7.4	16.3	9.1	12.8	18.4	10.7	14.4
27	6.7	3.0	4.8	8.4	4.8	6.7	14.2	8.0	11.6	19.5	11.6	15.9
28	7.9	1.6	4.4	9.9	2.1	5.6	12.9	8.6	10.9	19.4	11.3	15.8
29	---	---	---	10.3	1.1	5.5	10.9	8.6	9.7	19.9	12.2	16.5
30	---	---	---	12.9	2.4	7.5	11.7	7.4	9.6	19.7	14.3	17.2
31	---	---	---	14.0	4.8	8.4	---	---	---	20.3	13.8	16.9
MONTH	7.9	0.0	2.5	14.0	0.4	6.7	17.1	2.9	9.7	20.3	5.3	12.4



**09106150 COLORADO RIVER BELOW GRAND VALLEY DIVERSION NEAR PALISADE, CO**

LOCATION.--Lat 39°05'55", long 108°21'16", in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.3, T.1 S., R.98 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.25 mi downstream of intake structure for Grand Valley Diversion Canal, and 0.25 mi south of Palisade.

DRAINAGE AREA.--8,753 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1990 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09106150](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09106150)

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,670 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversion for irrigation of about 230,000 acres. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	513	1,400	1,380	1,140	1,160	1,240	1,110	1,470	18,100	2,400	456	750
2	461	1,280	1,440	1,130	1,170	1,170	1,070	1,220	20,300	2,180	437	747
3	871	1,250	1,480	1,120	1,220	1,170	1,030	1,040	e16,500	2,080	478	622
4	699	1,230	1,470	1,150	1,190	1,150	1,110	1,260	e13,600	2,070	495	579
5	601	1,340	1,360	1,250	1,120	1,190	1,130	1,520	e11,900	1,880	535	619
6	516	1,580	1,390	1,250	1,090	1,200	1,050	1,350	e10,100	1,650	582	784
7	484	1,590	1,380	1,230	1,020	1,320	775	1,090	8,170	1,490	516	933
8	440	1,870	1,310	1,130	931	1,250	587	910	7,230	1,330	506	1,120
9	436	2,980	1,260	1,100	931	1,250	418	1,280	6,590	1,180	509	1,420
10	415	2,540	1,120	1,130	912	1,250	364	1,240	6,760	1,120	507	e1,760
11	425	2,280	1,160	1,200	1,040	1,280	362	1,220	6,880	1,030	481	e1,910
12	370	2,060	1,160	1,230	1,130	1,340	403	1,280	6,740	866	405	1,730
13	394	1,800	1,130	1,200	1,190	1,440	493	1,090	6,670	806	353	1,410
14	359	1,730	1,250	1,160	1,390	1,410	555	1,130	6,530	837	342	1,180
15	325	1,750	1,210	1,170	1,490	1,580	688	1,590	6,090	747	408	1,150
16	303	1,760	1,160	1,150	1,330	1,600	863	3,290	6,320	657	584	1,080
17	290	1,670	1,180	1,080	1,250	1,510	721	5,120	6,110	710	467	987
18	323	1,650	1,240	1,100	1,220	1,410	547	6,830	5,450	734	586	945
19	337	1,610	1,280	1,090	1,160	1,410	452	e7,990	5,250	751	857	1,050
20	331	1,430	1,180	1,040	1,140	1,330	363	e7,930	5,170	718	1,130	1,170
21	360	1,440	1,100	1,080	1,110	1,320	254	e7,820	5,230	698	852	1,180
22	418	1,450	1,170	1,120	1,120	1,250	209	e8,050	4,770	625	650	1,160
23	434	1,460	1,110	1,130	1,150	1,300	228	e9,080	4,480	704	662	1,110
24	e525	1,420	1,050	1,170	1,120	1,420	474	9,680	4,230	529	678	1,060
25	e722	1,450	1,070	1,160	1,120	1,550	526	10,400	3,740	404	784	1,020
26	786	1,450	1,080	1,150	1,210	1,540	487	11,400	3,210	359	821	991
27	735	1,380	1,040	1,140	1,210	1,400	714	12,100	2,910	617	759	1,080
28	739	1,160	1,020	1,130	1,240	1,400	1,200	13,800	2,880	1,070	828	1,060
29	874	1,160	1,100	1,140	---	1,320	1,500	15,700	2,780	981	817	1,010
30	816	1,360	1,250	1,120	---	1,240	1,610	17,100	2,620	766	751	1,020
31	1,010	---	1,210	1,120	---	1,180	---	18,100	---	620	711	---
TOTAL	16,312	48,530	37,740	35,510	32,364	41,420	21,293	183,080	217,310	32,609	18,947	32,637
MEAN	526	1,618	1,217	1,145	1,156	1,336	710	5,906	7,244	1,052	611	1,088
MAX	1,010	2,980	1,480	1,250	1,490	1,600	1,610	18,100	20,300	2,400	1,130	1,910
MIN	290	1,160	1,020	1,040	912	1,150	209	910	2,620	359	342	579
AC-FT	32,350	96,260	74,860	70,430	64,190	82,160	42,230	363,100	431,000	64,680	37,580	64,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	1,171	1,885	1,691	1,671	1,706	1,945	1,957	7,162	9,401	3,720	1,470	1,153
MAX	2,560	2,484	2,370	2,375	2,416	2,913	4,837	14,160	20,860	16,010	3,897	2,461
(WY)	(1998)	(1998)	(1998)	(1998)	(1996)	(1998)	(1996)	(1993)	(1997)	(1995)	(1995)	(1997)
MIN	526	1,220	1,209	1,145	1,156	1,302	710	1,016	935	161	115	241
(WY)	(2003)	(1995)	(1991)	(2003)	(2003)	(1991)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	331,092		717,752			
ANNUAL MEAN	907		1,966		2,913	
HIGHEST ANNUAL MEAN					5,114 1997	
LOWEST ANNUAL MEAN					938 2002	
HIGHEST DAILY MEAN	2,980	Nov 9	20,300	Jun 2	29,600	Jun 17, 1995
LOWEST DAILY MEAN	58	Aug 19	209	Apr 22	58	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	61	Aug 30	324	Oct 14	61	Aug 30, 2002
MAXIMUM PEAK FLOW			21,500	Jun 2	30,600	Jun 17, 1995
MAXIMUM PEAK STAGE			10.18	Jun 2	12.41	Jun 17, 1995
ANNUAL RUNOFF (AC-FT)	656,700		1,424,000		2,110,000	
10 PERCENT EXCEEDS	1,550		4,910		6,740	
50 PERCENT EXCEEDS	1,100		1,150		1,670	
90 PERCENT EXCEEDS	91		476		718	

e Estimated.

**09106200 LEWIS WASH NEAR GRAND JUNCTION, CO**

LOCATION (REVISED).--Lat 39°03'38", long 108°28'38", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.21, T.1 S., R.1 E, Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 70 ft downstream of the 31 Road bridge, 650 ft upstream from mouth, and 4.5 mi east of Grand Junction.

DRAINAGE AREA.--4.72 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1979, April 2002 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09106200](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09106200)

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,610 ft above NGVD of 1929, from topographic map. Prior to April 22, 2002 at site 70 ft upstream at different datum.

REMARKS.--Records poor except for the period Nov. 7, 2002 to Mar. 11, 2003, which is good. Flow is mostly return flow and waste water from lands irrigated under the Government Highline Canal and Price and Stub ditches. At times overflow from water delivered by the Grand Valley Canal to Mesa County ditch flows past station.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	4.5	e5.1	e10	e2.0	e4.3
2	---	---	---	---	---	---	---	5.3	e9.2	e9.8	e2.0	e4.8
3	---	---	---	---	---	---	---	5.4	e10	e8.6	e2.4	e4.1
4	---	---	---	---	---	---	---	5.5	e10	e7.0	e4.1	e4.7
5	---	---	---	---	---	---	---	5.0	e10	e11	e5.9	e5.2
6	---	---	---	---	---	---	---	5.5	e9.8	e11	e18	e6.7
7	---	---	---	---	---	---	---	5.0	e10	e10	e4.1	e6.4
8	---	---	---	---	---	---	---	5.8	e5.5	e9.2	e5.8	e8.7
9	---	---	---	---	---	---	---	e9.4	e4.8	e8.7	e6.2	e9.9
10	---	---	---	---	---	---	---	e11	e4.6	e8.6	e6.8	e11
11	---	---	---	---	---	---	---	e5.2	e5.2	e7.8	e6.6	e11
12	---	---	---	---	---	---	---	e5.5	e6.6	e6.8	e6.7	e11
13	---	---	---	---	---	---	---	e4.7	e7.6	e5.2	e5.4	e10
14	---	---	---	---	---	---	---	e4.7	e7.9	e1.6	e4.1	e9.0
15	---	---	---	---	---	---	---	e3.8	e8.0	e1.2	e3.8	e8.2
16	---	---	---	---	---	---	---	e2.8	e7.0	e1.2	e3.8	e10
17	---	---	---	---	---	---	---	e2.6	e6.4	e1.1	e3.6	e13
18	---	---	---	---	---	---	---	e3.7	e6.4	e1.2	e3.2	e14
19	---	---	---	---	---	---	---	e5.3	e3.6	e1.9	e4.0	e15
20	---	---	---	---	---	---	---	e8.8	e5.0	e1.5	e16	e15
21	---	---	---	---	---	---	---	e10	e5.7	e1.6	e15	e11
22	---	---	---	---	---	---	---	e10	e3.9	e2.1	e13	e10
23	---	---	---	---	---	---	11	e9.9	e5.3	e2.4	e13	e12
24	---	---	---	---	---	---	8.5	e11	e5.7	e9.5	e12	e13
25	---	---	---	---	---	---	11	e6.7	e5.3	e16	e11	e13
26	---	---	---	---	---	---	16	e5.4	e2.9	e16	e9.3	e12
27	---	---	---	---	---	---	16	e5.4	e2.2	e16	e6.6	9.6
28	---	---	---	---	---	---	10	e4.9	e6.0	e16	e4.7	8.2
29	---	---	---	---	---	---	8.0	e4.9	e9.8	e4.3	e9.8	13
30	---	---	---	---	---	---	5.5	e3.8	e11	e2.5	e8.4	12
31	---	---	---	---	---	---	---	e3.5	---	e2.5	e6.1	---
TOTAL	---	---	---	---	---	---	---	185.0	200.5	212.3	223.4	295.8
MEAN	---	---	---	---	---	---	---	5.97	6.68	6.85	7.21	9.86
MAX	---	---	---	---	---	---	---	11	11	16	18	15
MIN	---	---	---	---	---	---	---	2.6	2.2	1.1	2.0	4.1
AC-FT	---	---	---	---	---	---	---	367	398	421	443	587

e Estimated.

## 09106200 LEWIS WASH NEAR GRAND JUNCTION,CO—Continued

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	e5.0	0.26	0.19	0.16	0.96	0.16	18	e13	2.4	e13	12
2	13	e5.9	0.19	0.15	1.4	0.11	0.47	17	e13	5.2	e15	14
3	15	e6.1	0.19	0.14	0.46	0.09	0.58	12	e11	7.5	e19	e14
4	14	e7.2	0.18	0.16	0.17	0.14	0.49	e21	9.3	9.0	e17	e16
5	14	e8.6	0.20	0.17	0.15	0.09	0.61	e14	10	10	e18	e18
6	14	e8.4	0.21	0.15	0.11	0.07	0.78	e19	9.1	9.5	e18	21
7	14	8.1	0.23	0.14	0.09	0.07	e0.99	e19	8.2	7.8	e13	21
8	14	7.7	0.23	0.16	0.12	0.05	e3.9	e25	8.9	7.6	e13	19
9	13	19	0.20	0.18	0.13	0.04	e5.7	e30	11	6.5	e16	19
10	12	8.3	0.21	0.19	0.10	0.07	e4.0	e23	12	8.5	e16	48
11	11	7.6	0.22	1.2	0.13	0.08	e0.99	e22	10	10	e16	27
12	9.6	3.2	0.21	0.17	0.12	e0.08	e0.48	e20	7.9	8.7	e17	23
13	9.9	0.40	0.19	0.15	0.28	e0.08	e2.3	e15	8.5	9.4	e16	22
14	8.4	0.33	0.19	0.16	0.66	e0.07	e5.3	e15	6.2	10	17	22
15	e11	0.25	0.20	0.17	0.15	e0.06	9.6	e20	2.9	11	17	21
16	e13	0.20	0.23	0.13	0.13	e0.06	9.6	e14	0.83	9.5	17	22
17	e13	0.22	0.27	0.15	0.14	e0.05	12	e13	3.7	9.5	16	21
18	e9.2	0.19	0.21	0.14	0.15	e0.06	18	e13	3.6	7.4	14	21
19	e9.3	0.19	0.16	0.13	0.10	e0.06	20	e13	8.6	8.5	10	21
20	e9.3	0.18	0.18	0.15	0.10	e0.05	19	e13	15	11	9.9	20
21	e5.0	0.20	0.20	0.16	0.10	e0.05	20	e13	14	9.2	12	19
22	e2.2	0.23	0.19	0.13	0.15	e0.05	17	e12	13	7.7	12	18
23	e3.3	0.24	0.19	0.12	0.15	e0.05	13	e11	11	12	14	18
24	e3.8	0.23	0.18	0.15	0.15	e0.05	12	e11	9.0	16	13	e19
25	e4.3	0.21	0.17	0.14	0.71	e0.05	9.9	e10	7.0	e16	13	e19
26	e4.7	0.18	0.15	0.10	0.16	e0.05	9.6	e10	6.8	e14	12	e19
27	e4.9	0.19	0.14	0.13	0.22	e0.04	11	e10	7.2	e12	11	e20
28	e5.2	0.18	0.16	0.15	1.6	e0.03	12	e10	5.1	e12	13	e21
29	e5.4	0.20	0.21	0.12	---	0.02	14	e8.0	2.7	e12	13	21
30	e5.1	0.19	0.18	0.12	---	0.03	18	e6.6	2.7	e12	14	21
31	e5.0	---	0.18	0.12	---	0.06	---	e12	---	e13	13	---
TOTAL	286.6	99.11	6.11	5.62	8.09	2.82	251.45	469.6	251.23	304.9	447.9	617
MEAN	9.25	3.30	0.20	0.18	0.29	0.091	8.38	15.1	8.37	9.84	14.4	20.6
MAX	15	19	0.27	1.2	1.6	0.96	20	30	15	16	19	48
MIN	2.2	0.18	0.14	0.10	0.09	0.02	0.16	6.6	0.83	2.4	9.9	12
AC-FT	568	197	12	11	16	5.6	499	931	498	605	888	1,220

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

MEAN	16.6	1.76	0.96	0.49	0.49	0.87	8.10	14.6	12.9	12.2	12.5	14.4
MAX	22.7	3.30	2.34	0.67	0.68	2.95	14.6	25.1	17.6	16.5	16.6	20.6
(WY)	(1974)	(2003)	(1978)	(1976)	(1979)	(1977)	(1976)	(1976)	(1976)	(1974)	(1973)	(2003)
MIN	9.25	1.02	0.20	0.18	0.29	0.091	2.05	5.97	6.68	5.64	4.26	6.83
(WY)	(2003)	(1977)	(2003)	(2003)	(2003)	(2003)	(1979)	(2002)	(2002)	(1977)	(1977)	(1977)

## SUMMARY STATISTICS

ANNUAL TOTAL  
ANNUAL MEAN  
HIGHEST ANNUAL MEAN  
LOWEST ANNUAL MEAN  
HIGHEST DAILY MEAN  
LOWEST DAILY MEAN  
ANNUAL SEVEN-DAY MINIMUM  
MAXIMUM PEAK FLOW  
MAXIMUM PEAK STAGE  
ANNUAL RUNOFF (AC-FT)  
10 PERCENT EXCEEDS  
50 PERCENT EXCEEDS  
90 PERCENT EXCEEDS

## FOR 2003 WATER YEAR

2,750.43

7.54

48 Sep 10

0.02 Mar 29

0.04 Mar 24

190 Sep 10

5.40 Sep 10

5,460

19

7.2

0.12

## WATER YEARS 1973 - 2003

8.17

10.6 1976

6.24 1977

58 Sep 8, 1978

0.02 Mar 29, 2003

0.04 Mar 24, 2003

190 Sep 10, 2003

5.40 Sep 10, 2003

5,920

19

7.4

0.36

e Estimated.

## 09106200 LEWIS WASH NEAR GRAND JUNCTION, CO—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1973 to July 1977, March 1991 to September 1993, November 1997 to December 1998, April 2002 to current year. For a complete listing of historical data available for this site, see [http://waterdata.usgs.gov/co/nwis/inventory/?site\\_no=09106200](http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09106200)

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
APR 23...	1405	12	--	8.5	864	13.7	220	61.7	16.3	3.33	3	90.7	135
MAY 28...	1240	3.7	--	8.4	985	18.4	250	67.7	20.8	2.89	3	93.8	141
JUN 27...	1025	2.1	--	8.2	1,180	22.4	290	75.2	25.9	3.73	3	129	125
JUL 26...	1215	16	6.3	8.2	1,120	23.7	260	75.6	17.3	4.81	3	125	141
SEP 26...	1455	12	7.8	8.2	1,410	17.5	330	93.2	23.2	4.89	4	157	E166

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Selenium, water, fltrd, ug/L (01145)
APR 23...	120	0.24	7.1	117	496	0.68	16.5	0.8
MAY 28...	126	0.26	5.3	161	563	0.77	5.58	2.0
JUN 27...	165	0.3	4.4	216	694	0.94	3.95	3.3
JUL 26...	173	0.4	9.6	142	632	0.86	28.0	0.7
SEP 26...	222	0.3	7.1	198	--	--	--	1.0

E -- Estimated laboratory analysis value.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
OCT 17...	1350	13	9.1	8.6	1,300	11.9	300	84.8	22.7	4.30	4	149	E175
NOV 14...	1350	0.38	9.2	7.8	3,610	8.4	1,700	381	182	7.20	3	261	256
DEC 12...	1115	0.19	11.0	8.0	4,270	2.7	2,200	472	250	7.81	3	293	E256
JAN 16...	0950	0.08	10.6	8.0	4,420	0.7	2,500	511	287	8.44	3	343	302
FEB 19...	0915	0.08	9.6	8.0	4,470	3.3	2,300	448	291	8.25	3	345	E294
MAR 12...	0920	0.09	9.1	7.8	4,600	7.8	2,400	456	296	7.70	3	377	250
APR 22...	1145	18	8.2	8.4	981	13.1	230	65.5	17.3	4.22	3	114	142
JUN 05...	1027	11	8.1	8.1	334	14.5	120	34.2	8.29	1.37	0.8	19.0	80
JUN 24...	1007	9.4	7.8	8.2	542	16.5	170	48.0	11.9	1.89	1	44.5	103
JUL 16...	0940	7.5	--	8.2	871	22.0	220	63.5	15.9	3.51	3	88.8	134
SEP 03...	1040	15	7.3	8.0	976	20.1	230	66.2	16.8	3.68	3	93.8	136

09106200 LEWIS WASH NEAR GRAND JUNCTION,CO—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Selen- ium, water, fltrd, ug/L (01145)
OCT 17...	202	0.3	7.7	181	--	--	--	1.2
NOV 14...	210	0.4	13.4	1,720	2,930	3.99	3.01	26.7
DEC 12...	215	0.42	12.8	2,280	--	--	--	25.0
JAN 16...	228	0.44	7.8	2,340	3,910	5.32	0.84	30.8
FEB 19...	219	0.41	4.7	2,370	--	--	--	34.0
MAR 12...	240	0.46	3.8	2,440	3,970	5.40	0.96	26.8
APR 22...	150	0.25	6.7	120	563	0.77	27.8	1.2
JUN 05...	22.4	<0.2	7.4	46.8	188	0.26	5.47	0.6
JUN 24...	55.9	0.2	7.1	77.0	309	0.42	7.85	0.7
JUL 16...	118	0.3	7.8	116	494	0.67	9.98	0.8
SEP 03...	139	0.3	8.4	129	539	0.73	21.5	1.0

&lt; -- Actual value is known to be less than the value shown.

E -- Estimated laboratory analysis value.