09107000 TAYLOR RIVER AT TAYLOR PARK, CO

LOCATION.--Lat 38°51'37", long 106°33'58", in NW¼NE¼ sec.5, T.14 S., R.82 W., Gunnison County, Hydrologic Unit 14020001, on left bank 0.2 mi upstream from Taylor Park Reservoir waterline, 2.7 mi north of Taylor Park, and 21 mi northeast of Almont.

DRAINAGE AREA.--128 mi^2.

PERIOD OF RECORD.--June 1929 to September 1934, October 1987 to current year. Records for 1929-1934 provided by Colorado Division of Water Resources, published in WSP 1313. Statistical summary computed for 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09107000

REVISED RECORDS.--WSP 1313: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Elevation of gage is 9,340 ft above NGVD of 1929, from topographic map. June 1929 to Sept. 1934 water-stage recorder at different datum at site flooded by waters of Taylor Park Reservoir since 1937.

REMARKS.--Records fair except for estimated daily discharges, which are poor. 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	62	e49	e44	e29	e29	e22	e40	87	722	133	75	51
2	62	e47	e40	e31	e29	e21	e39	83	577	128	65	47
3	66	e41	e42	e28	e27	e22	e34	86	521	122	64	51
4	59	e43	e40	e28	e25	e23	e32	87	476	118	62	51
5	58	e42	e42	e29	e25	e22	e31	86	421	113	57	46
6	55	e41	e40	e28	e24	e22	e31	78	363	107	53	49
7	53	e42	e40	e28	e23	e23	e30	77	328	102	53	72
8	52	e43	e40	e30	e24	e25	e30	77	311	98	55	67
9	51	e50	e37	e29	e22	e28	e35	74	328	92	52	80
10	50	e47	e35	e28	e23	e32	42	73	338	89	51	117
11	49	e44	e35	e30	e24	e35	51	69	329	87	51	92
12	48	e38	e35	e28	e23	e35	57	83	314	84	51	77
13	46	e34	e36	e27	e25	e33	63	104	332	80	51	88
14	46	e41	e36	e28	e29	e34	74	114	284	78	49	75
15	47	e40	e37	e28	e28	e30	71	161	280	79	44	68
16	46	e36	e35	e27	e26	e29	62	172	270	87	49	64
17	45	e41	e38	e25	e26	e29	67	223	243	82	60	61
18	45	e41	e39	e25	e28	e26	65	241	237	80	60	57
19	45	e41	e37	e25	e27	e25	61	232	238	77	58	56
20	44	e44	e33	e24	e26	e24	62	230	228	76	47	54
21	44	e48	e37	e23	e26	e28	69	260	210	78	44	52
22	45	e50	e35	e23	e25	e26	73	303	192	73	51	51
23	51	e51	e34	e24	e23	e31	63	374	183	70	58	50
24	52	e50	e34	e25	e26	e35	59	461	172	74	57	49
25	49	e46	e33	e25	e25	e34	74	519	164	70	64	48
26	48	e42	e34	e24	e22	e33	98	493	158	68	66	47
27	53	e39	e30	e24	e23	e31	105	625	153	71	58	46
28	50	e41	e31	e25	e24	e27	105	741	149	77	74	46
29	51	e42	e32	e25	---	e26	101	699	143	81	62	46
30	e50	e42	e32	e25	---	e29	100	743	138	68	62	44
31	e51	---	e28	e27	---	e34	---	639	---	67	58	---
TOTAL	1,573	1,296	1,121	825	707	874	1,824	8,294	8,802	2,709	1,761	1,802
MEAN	50.7	43.2	36.2	26.6	25.2	28.2	60.8	268	293	87.4	56.8	60.1
MAX	66	51	44	31	29	35	105	743	722	133	75	117
MIN	44	34	28	23	22	21	30	69	138	67	44	44
AC-FT	3,120	2,570	2,220	1,640	1,400	1,730	3,620	16,450	17,460	5,370	3,490	3,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	58.3	47.6	39.9	34.4	33.2	38.2	76.2	261	379	174	86.3	64.8
MAX	91.3	71.6	53.8	41.9	38.2	50.5	119	447	767	719	236	122
(WY)	(1996)	(1996)	(1996)	(1997)	(1995)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(1995)
MIN	39.6	34.5	30.0	26.6	25.2	28.2	39.4	148	94.9	38.0	28.5	32.6
(WY)	(1989)	(1989)	(1989)	(2003)	(2003)	(2003)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	20,207		31,588			
ANNUAL MEAN	55.4		86.5		108	
HIGHEST ANNUAL MEAN					197	1995
LOWEST ANNUAL MEAN					56.3	2002
HIGHEST DAILY MEAN	196	May 21	743	May 30	1,120	Jun 17, 1995
LOWEST DAILY MEAN	19	Sep 6	e21	Mar 2	19	Sep 6, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Sep 1	22	Mar 1	20	Sep 1, 2002
MAXIMUM PEAK FLOW			946	May 28	1,400	Jun 18, 1995
MAXIMUM PEAK STAGE			3.33	May 28	4.08	Jun 18, 1995
ANNUAL RUNOFF (AC-FT)	40,080		62,650		78,150	
10 PERCENT EXCEEDS	120		199		260	
50 PERCENT EXCEEDS	40		49		53	
90 PERCENT EXCEEDS	27		25		33	

e Estimated.

09108500 TAYLOR PARK RESERVOIR AT TAYLOR PARK, CO

LOCATION.--Lat 38°49'07", long 106°36'24", Gunnison County, Hydrologic Unit 14020001, at dam on Taylor River just downstream from Taylor Park, and 16 mi northeast of Almont.

DRAINAGE AREA.--254 mi^2.

PERIOD OF RECORD.--October 1937 to current year. Prior to October 1938, 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=09108500

REVISED RECORDS.--WSP 1089: 1940(M), 1942(M), 1945-46. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satelite telemetry, and nonrecording gage (read once daily). Datum of gage is 9,187 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 earth and rockfill dam. Dam completed by U. S. Bureau of Reclamation in September 1937. Capacity of reservoir, 106,200 acre-ft between elevations 9,187 ft, bottom of outlet gates, and 9,330 ft, crest of spillway. No dead storage. Water used for irrigation in Uncompahgre Valley. Figures given are usable contents.

COOPERATION.--Records provided by Uncompahgre Valley Water Users Association.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 111,000 acre-ft, July 1, 1957, elevation, 9,332.35 ft; minimum after first filling, 8,780 acre-ft, Oct. 19-20, 1956, elevation, 9,240.70 ft.

EXTREMES (at 1800) FOR CURRENT YEAR.--Maximum contents, 81,100 acre-ft, June 27-30, elevation, 9,316.70 ft; minimum contents, 39,100 acre-ft, Apr. 9, 11, 12, elevation, 9,286.48 ft.

MONTHEND ELEVATION AND CONTENTS, AT 1800, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	9,289.63	42,400	-
Oct. 31	9,289.23	42,000	-400
Nov. 30	9,289.12	41,800	-200
Dec. 31	9,288.42	41,100	-700
CAL YR 2002	-	-	-23,700
Jan. 31	9,287.57	40,200	-900
Feb. 28	9,287.04	39,600	-600
Mar. 31	9,286.61	39,200	-400
Apr. 30	9,289.66	42,400	+3,200
May 31	9,305.60	63,100	+20,700
June 30	9,316.70	81,100	+18,000
July 31	9,313.09	74,900	-6,200
Aug. 31	9,308.70	67,800	-7,100
Sept. 30	9,309.00	68,300	+500
WTR YR 2003	-	-	+25,900

09109000 TAYLOR RIVER BELOW TAYLOR PARK RESERVOIR, CO

LOCATION.--Lat 38°49'06", long 106°36'31", Gunnison County, Hydrologic Unit 14020001, on bridge 1,000 ft downstream from Taylor Park Reservoir Dam, 3.4 mi upstream from Lottis Creek, and 17 mi northeast of Almont.

DRAINAGE AREA.--254 mi^2.

PERIOD OF RECORD.--June 1929 to September 1934 (monthly discharges only, published in WSP 1313), October 1938 to current year. Statistical summary computed for 1939 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09109000

REVISED RECORDS.--WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 9,169.67 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation). Prior to Nov. 11, 1952, at site 1,600 ft downstream, at datum 1.00 ft lower. Oct. 15, 1946 to May 4, 1952, supplementary nonrecording gage just downstream from reservoir outlet at different sites and datums used during winter months.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Flow regulated by Taylor Park Reservoir (station 09108500) since 1937. One small diversion for irrigation from Willow Creek upstream from reservoir. 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	e104	57	55	56	59	60	63	87	139	252	249	193
2	104	57	55	56	59	61	64	128	154	253	249	193
3	104	e57	55	56	59	61	64	144	176	253	249	193
4	104	e57	55	56	59	62	63	144	176	253	249	193
5	104	e57	55	56	59	62	62	143	177	253	249	186
6	104	e57	55	56	59	62	62	143	177	254	249	157
7	90	e57	55	56	59	61	62	143	177	251	248	142
8	79	e56	55	56	59	61	62	143	177	250	248	114
9	78	e56	55	57	59	61	62	143	177	251	248	109
10	77	e56	55	57	60	62	70	143	177	250	248	104
11	76	e56	55	57	60	63	131	145	194	250	248	100
12	76	e56	56	57	60	63	139	133	225	251	248	100
13	79	e56	57	57	60	64	91	125	237	250	248	100
14	77	56	56	57	60	64	64	126	237	250	247	100
15	65	56	e56	58	60	64	61	126	238	250	221	100
16	57	56	e57	e58	60	63	61	126	237	250	199	100
17	57	56	58	e59	60	63	61	127	238	250	199	100
18	57	57	57	e59	60	62	61	128	238	250	198	100
19	57	56	57	e59	60	62	61	128	238	251	198	100
20	57	56	56	e59	60	63	61	129	240	250	198	100
21	56	56	56	59	60	63	61	129	240	250	198	100
22	56	55	56	59	60	63	61	129	240	249	198	100
23	56	55	56	59	60	63	61	129	240	249	197	100
24	e56	57	56	59	60	64	61	130	241	249	195	100
25	56	56	56	59	60	64	61	131	240	249	195	100
26	57	55	56	59	60	64	61	132	240	249	194	100
27	57	55	56	59	60	63	61	134	247	249	195	100
28	57	55	56	59	60	62	61	135	252	249	194	100
29	57	55	56	59	---	62	61	135	253	249	194	100
30	57	55	56	59	---	63	61	136	253	249	194	100
31	57	---	56	59	---	62	---	138	---	249	194	---
TOTAL	2,228	1,682	1,731	1,791	1,671	1,937	2,035	4,112	6,475	7,762	6,838	3,584
MEAN	71.9	56.1	55.8	57.8	59.7	62.5	67.8	133	216	250	221	119
MAX	104	57	58	59	60	64	139	145	253	254	249	193
MIN	56	55	55	56	59	60	61	87	139	249	194	100
AC-FT	4,420	3,340	3,430	3,550	3,310	3,840	4,040	8,160	12,840	15,400	13,560	7,110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	188	94.8	74.8	64.5	63.0	86.2	147	181	329	394	354	385
MAX	586	438	353	195	196	320	655	550	931	1,249	646	809
(WY)	(1969)	(1968)	(1966)	(1966)	(1971)	(1986)	(1970)	(1962)	(1948)	(1957)	(1950)	(1956)
MIN	11.4	10.0	6.00	4.02	4.00	4.19	9.44	0.000	0.000	147	166	99.5
(WY)	(1962)	(1941)	(1964)	(1964)	(1964)	(1964)	(1964)	(1940)	(1940)	(1964)	(2002)	(1961)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	42,478		41,846			
ANNUAL MEAN	116		115		197	
HIGHEST ANNUAL MEAN					341	1995
LOWEST ANNUAL MEAN					94.8	1941
HIGHEST DAILY MEAN	284	Jul 2	254	Jul 6	2,180	Jul 1, 1957
LOWEST DAILY MEAN	55	Nov 22	55	Nov 22	a0.00	May 1, 1940
ANNUAL SEVEN-DAY MINIMUM	55	Nov 26	55	Nov 26	0.00	May 1, 1940
MAXIMUM PEAK FLOW			260	Jun 27	2,270	Jul 1, 1957
MAXIMUM PEAK STAGE			4.12	Jun 27	7.56	Jul 1, 1957
ANNUAL RUNOFF (AC-FT)	84,260		83,000		143,000	
10 PERCENT EXCEEDS	240		249		471	
50 PERCENT EXCEEDS	78		63		107	
90 PERCENT EXCEEDS	56		56		19	

e Estimated.
a Also occurred May 2 to Jul 3, 1940, May 7-22, 1942, May 5-21, 1943.

09110000 TAYLOR RIVER AT ALMONT, CO

LOCATION.--Lat 38°39'52", long 106°50'41", in NW¼SE¼ sec.22, T.51 N., R.1 E., Gunnison County, Hydrologic Unit 14020001, on left bank at Almont, 15 ft downstream from bridge on State Highway 306, and 800 ft upstream from confluence with East River.

DRAINAGE AREA.--477 mi^2.

PERIOD OF RECORD.--July 1910 to current year. Monthly discharge only for some periods, published in WSP 1313. Water-quality data available, October 1993 to September 2000. For a complete listing of historical data available for this site, see http:// waterdata.usgs.gov/co/nwis/inventory/?site_no=09110000

REVISED RECORDS.--WSP 1213: 1911. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 8,010.76 ft above NGVD of 1929. Prior to Apr. 16, 1922, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partly regulated since September 1937 by Taylor Park Reservoir (station 09108500), 24 mi upstream from station. Diversions for irrigation of about 360 acres upstream from station. Several measurements of specific conductance and water temperature were obtained and published are 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	140	99	e94	e88	e85	e83	97	176	704	368	324	242
2	139	99	e93	e87	e86	e84	100	203	638	366	320	241
3	141	e95	e91	e87	e85	e86	98	234	619	359	317	244
4	137	e94	e91	e88	e84	e88	97	245	580	365	315	246
5	137	e92	e91	e87	e83	e90	97	249	547	358	310	241
6	136	e90	e91	e88	e81	e95	98	241	498	357	308	219
7	130	e91	e90	e87	e82	e101	95	240	466	354	305	221
8	111	e96	e89	e87	e82	e100	98	240	439	345	306	196
9	113	e103	e89	e87	e85	e98	101	232	443	344	305	180
10	119	e95	e89	e87	e86	e101	105	234	448	342	295	227
11	118	e94	e89	e87	e86	83	150	229	440	340	290	201
12	118	e95	e89	e87	e86	84	198	231	465	338	296	180
13	116	e97	e89	e86	e86	86	156	230	476	351	298	179
14	115	e95	e90	e85	e84	86	121	229	472	350	291	169
15	111	e94	e90	e85	e84	87	120	259	456	346	276	157
16	98	e90	e90	e85	e84	88	112	283	456	345	245	148
17	98	e94	e91	e84	e85	88	114	313	445	345	245	144
18	97	e95	e90	e84	e84	88	115	342	437	343	249	143
19	97	e97	e91	e84	e83	86	110	378	426	342	253	140
20	96	e97	e92	e84	e85	87	107	363	444	339	244	132
21	96	e98	e91	e84	e83	90	112	374	418	343	242	133
22	96	e99	e92	e85	e82	89	123	413	403	340	242	135
23	99	e99	e90	e85	e83	91	124	465	392	339	244	136
24	101	e98	e91	e83	e82	92	115	519	386	337	248	139
25	101	e96	e91	e84	e83	92	116	553	378	329	250	139
26	99	e96	e92	e87	e82	92	137	535	370	327	248	135
27	100	e96	e87	e89	e83	94	166	565	371	327	251	134
28	100	e95	e90	e90	e82	e107	173	640	373	333	257	135
29	100	e96	e87	e85	---	e109	175	699	369	332	257	135
30	98	e95	e87	e85	---	e102	178	732	368	323	254	134
31	100	---	e87	e85	---	92.0	---	701	---	319	247	---
TOTAL	3,457	2,870	2,794	2,666	2,346	2,839.0	3,708	11,347	13,727	10,646	8,532	5,205
MEAN	112	95.7	90.1	86.0	83.8	91.6	124	366	458	343	275	174
MAX	141	103	94	90	86	109	198	732	704	368	324	246
MIN	96	90	87	83	81	83	95	176	368	319	242	132
AC-FT	6,860	5,690	5,540	5,290	4,650	5,630	7,350	22,510	27,230	21,120	16,920	10,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	243	155	122	111	110	133	245	595	909	567	411	387
MAX	699	518	424	240	288	456	784	1,485	2,419	1,975	707	855
(WY)	(1969)	(1968)	(1966)	(1966)	(1971)	(1985)	(1970)	(1936)	(1914)	(1957)	(1960)	(1956)
MIN	60.3	53.3	39.8	40.8	35.2	34.6	55.8	129	109	168	83.2	91.6
(WY)	(1938)	(1938)	(1963)	(1941)	(1941)	(1938)	(1941)	(1940)	(1940)	(1931)	(1913)	(1937)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	59,572		70,137.0			
ANNUAL MEAN	163		192		333	
HIGHEST ANNUAL MEAN					550	1995
LOWEST ANNUAL MEAN					155	1977
HIGHEST DAILY MEAN	307	Jun 26	732	May 30	3,600	Jun 9, 1920
LOWEST DAILY MEAN	e87	Dec 27	e81	Feb 6	a24	Mar 12, 1938
ANNUAL SEVEN-DAY MINIMUM	e89	Dec 25	e82	Feb 22	27	Feb 19, 1941
MAXIMUM PEAK FLOW			787	May 31	b3,760	Jun 9, 1920
MAXIMUM PEAK STAGE			2.98	May 31	c5.00	Jun 9, 1920
ANNUAL RUNOFF (AC-FT)	118,200		139,100		241,500	
10 PERCENT EXCEEDS	275		376		729	
50 PERCENT EXCEEDS	139		112		195	
90 PERCENT EXCEEDS	94		85		85	

e Estimated.
a Minimum discharge observed for period of record, before storage began in Taylor Park Reservoir, 50 ft^3/s for several days in Aug 1913, gage height, 1.2 ft.
b From rating curve extended above 2,300 ft^3/s.
c Maximum gage height, 5.32 ft, Jul 1, 1957.

385408106543600 EAST RIVER ABOVE CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°52'51", long 106°54'30", Gunnison County, Hydrologic Unit 14020001, approximately 200 ft upstream from confluence with Brush Creek, and 4.2 mi northeast of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--August 1995 to August 2003 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=385408106543600

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT													
22...	1130	14	9.3	8.2	301	3.5	<0.10	<0.015	<0.022	<0.002	<0.007	0.004	E2
DEC													
03...	0940	9.6	9.5	7.8	333	0.5	E.06	<0.015	0.055	<0.002	<0.007	0.006	E3
FEB													
11...	1030	7.2	10.1	8.0	334	0.3	<0.10	<0.015	0.058	<0.002	<0.007	E.002	E2
APR													
16...	0930	43	10.4	8.1	311	0.9	0.22	<0.015	0.198	<0.002	<0.007	0.025	<1
JUN													
17...	1800	158	8.0	8.0	197	11.0	0.10	<0.015	0.097	<0.002	<0.007	0.034	60
AUG													
26...	1300	25	7.6	8.3	282	15.3	0.10	<0.015	0.032	<0.002	<0.007	0.004	E43

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG							
26...	1305	1,800	1,867	1,460	33	55.8	81.2

384950106544200 EAST RIVER ABOVE SLATE RIVER, NEAR CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°48'50", long 106°53'56", in NE¼NW¼ sec.28, T.14 S., R.85 W., Gunnison County, Hydrologic Unit 14020001, 100 ft upstream from confluence with Slate River, and 4.7 mi southeast of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=384950106544200

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
OCT 22...	1300	25	9.2	8.4	314	6.0	<0.10	<0.015	0.037	<0.002	<0.007	E.003	<2.0
DEC 04...	0840	13	11.0	8.1	333	0.5	E.09	<0.015	0.077	<0.002	<0.007	0.004	<2.0
FEB 11...	1240	12	10.5	8.4	348	1.5	E.07	<0.015	0.059	<0.002	<0.007	<0.004	<2.0
APR 15...	1250	80	10.6	8.4	313	2.7	0.20	0.027	0.177	E.002	<0.007	0.025	<2.0
JUN 17...	1550	327	7.9	8.1	231	12.0	0.11	<0.015	0.075	<0.002	<0.007	0.019	<2.0
AUG 26...	1520	61	7.5	8.4	295	14.4	0.13	<0.015	0.033	<0.002	<0.007	0.020	<2.0

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

Date	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT 22...	E9
DEC 04...	E2
FEB 11...	E2
APR 15...	<1
JUN 17...	100
AUG 26...	E22

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chloro-phyll a periphyton, chromo-fluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG 26...	1525	670	686.2	1,100	9.9	17.7	20.0

385240106583600 SLATE RIVER ABOVE COAL CREEK, NEAR CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°53'22", long 106°59'48", in SW¼SW¼ sec.27, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 2.9 mi upstream from confluence with Coal Creek, and 1.5 mi northwest of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--April 1995 to August 2003 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=385240106583600

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, 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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
21...	1650	14	<1.0	7.6	7.3	132	9.3	59	20.0	2.21	<0.10	<0.015	0.039
DEC													
02...	1432	15	--	9.7	7.2	136	1.5	--	--	--	<0.10	<0.015	0.062
FEB													
10...	1540	6.7	--	8.4	7.2	144	0.6	--	--	--	<0.10	<0.015	0.062
APR													
14...	1620	93	7.3	8.8	7.4	133	4.0	58	19.4	2.27	0.13	E.008	0.182
JUN													
16...	1600	321	2.2	8.1	7.4	67	9.0	32	11.1	1.14	E.07	<0.015	0.073
AUG													
25...	1550	12	1.6	6.1	7.2	133	15.1	58	19.3	2.33	E.08	<0.015	0.053

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT				
21...	<0.002	<0.007	E.002	<1
DEC				
02...	<0.002	<0.007	0.005	<1
FEB				
10...	<0.002	<0.007	<0.004	E1
APR				
14...	<0.002	<0.007	0.028	<1
JUN				
16...	<0.002	<0.007	0.009	E3
AUG				
25...	<0.002	<0.007	<0.004	E7

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

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

Date	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
21...	<20	E.2	<1.2	12	<1	5.9	<0.3	25
APR								
14...	M	0.2	1.7	24	<1	17.2	<0.3	31
JUN								
16...	19	0.3	1.4	23	1	8.5	<0.3	40
AUG								
25...	7	E.1	<1.2	20	<1	7.9	<0.3	22

< -- Actual value is known to be less than the value shown.
E -- Estimated laboratory analysis value.
M -- Presence of material verified but not quantified.

385240106583600 SLATE RIVER ABOVE COAL CREEK, NEAR CRESTED BUTTE, CO—Continued

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG 25...	1600	1,100	1,083	0.3	<0.6	<16.200

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

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 21...	1650	14	9.3	<0.5	--
APR 14...	1620	93	4.0	24	6.1
JUN 16...	1600	321	9.0	7	6.3
AUG 25...	1550	12	15.1	1	0.03

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

385224106590100 COAL CREEK ABOVE MOUTH AT CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°52'24", long 106°59'01", in NE¼NE¼ sec.3,T.14 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, at pedestrian bridge on Butte Avenue, 0.2 mi north of Crested Butte, and 0.3 mi west of Highway 135, and 0.6 mi above mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--November 2000 to current year. Published as "at mouth near Crested Butte" 2001-02. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=385224106590100

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, 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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
21...	1800	0.60	1.9	8.5	7.9	259	5.5	94	29.8	4.72	<0.10	<0.015	<0.022
DEC													
02...	1505	2.3	--	10.1	7.3	282	0.0	--	--	--	<0.10	<0.015	0.072
FEB													
11...	1630	2.8	--	10.1	8.0	365	0.0	--	--	--	<0.10	<0.015	0.058
APR													
15...	0810	30	12	9.9	7.2	162	1.1	50	15.7	2.66	0.19	E.010	0.494
JUN													
17...	0900	55	1.2	9.1	7.6	62	5.5	32	10.7	1.34	0.12	<0.015	<0.022
AUG													
26...	0830	3.1	4.2	7.9	7.9	222	9.3	91	28.8	4.72	0.11	<0.015	0.083

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT				
21...	<0.002	<0.007	0.004	E10
DEC				
02...	<0.002	<0.007	E.003	E4
FEB				
11...	<0.002	<0.007	<0.004	E1
APR				
15...	<0.002	<0.007	0.019	E1
JUN				
17...	<0.002	<0.007	0.006	E2
AUG				
26...	<0.002	<0.007	0.008	E19

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

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

Date	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
21...	E10	0.3	E.8	E5	<1	10.3	<0.3	57
APR								
15...	40	6.2	9.1	E9	<2	598	<0.3	1,120
JUN								
17...	60	0.7	3.9	36	M	33.0	<0.3	141
AUG								
26...	50	1.3	2.3	E6	<1	217	<0.3	214

< -- Actual value is known to be less than the value shown.
E -- Estimated laboratory analysis value.
M -- Presence of material verified but not quantified.

385224106590100 COAL CREEK ABOVE MOUTH AT CRESTED BUTTE, CO—Continued

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

Date	Time	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Biomass peri-phyton, ashfree drymass g/m2 (49954)
AUG 26...	0850	860	874.8	4,170	2.1	3.9	<16.400

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Temper-ature, water, deg C (00010)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
OCT 21...	1800	0.60	5.5	<0.5	--
APR 15...	0810	30	1.1	13	1.1
JUN 17...	0900	55	5.5	2	0.33
AUG 26...	0830	3.1	9.3	5	0.05

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

385325106581200 WASHINGTON GULCH BELOW WOODS CREEK AT MT. CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°53'25", long 106°58'12", in SW¼ SE¼ sec.26, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 50 ft downstream from confluence with Woods Creek, and 0.2 mi south of Mt. Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--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=385325106581200

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT													
22...	0840	0.50	9.9	8.1	282	2.0	0.22	0.018	0.744	0.009	0.170	0.23	E57
DEC													
03...	1230	1.8	10.0	8.0	244	2.0	0.20	<0.015	0.218	E.002	0.063	0.101	E9
FEB													
10...	1430	2.3	10.0	8.1	273	1.4	0.37	0.029	2.01	0.027	0.641	0.77	E8
APR													
14...	1520	26	9.8	7.7	202	2.7	1.7	0.023	1.09	0.005	0.010	0.46	<1
JUN													
16...	1440	11	7.2	8.0	143	13.4	0.23	<0.015	0.471	E.002	0.061	0.097	E3
AUG													
25...	1430	2.5	6.8	8.2	236	16.4	0.36	<0.015	0.988	E.002	0.753	0.86	23

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG							
25...	1440	1,700	1,727	11,400	1.5	2.1	<24.300

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

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°52'11", long 106°58'08", in NW¼NE¼ sec.2, T.14 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, on right bank 400 ft downstream from Washington Gulch, 1 mi east of Crested Butte, and 6.3 mi upstream from mouth.

DRAINAGE AREA.--68.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1940 to September 1951, October 1993 to current year. Monthly discharges only for some periods, 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=09111500

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Elevation of gage is 8,820 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1993, gage at site 0.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,300 acres upstream and downstream from station.

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	54	24	e23	e14	e14	e14	e27	242	1,110	149	36	17
2	47	24	e25	e16	e15	e14	e30	229	980	140	30	15
3	46	21	e26	e14	e14	e13	e34	221	846	128	35	14
4	44	21	e22	e15	e15	e14	32	223	749	119	32	15
5	43	22	e21	e16	e13	e15	31	195	650	109	28	16
6	41	20	e20	e16	e14	e14	31	169	564	101	25	18
7	42	21	e19	e14	e12	e13	29	156	495	91	23	20
8	40	e22	e19	e15	e12	e14	30	147	457	86	22	26
9	39	e22	e18	e14	e13	e16	31	135	465	79	21	35
10	37	e27	e16	e15	e14	e16	37	129	462	72	22	68
11	34	e24	e16	e16	e12	e15	50	121	479	67	25	50
12	32	e23	e16	e16	e14	e16	65	142	470	62	22	45
13	29	e23	e18	e15	e14	e18	81	184	458	57	23	53
14	28	e22	e20	e14	e16	e18	116	229	422	55	26	46
15	27	e21	e17	e15	e18	e20	126	339	427	55	21	40
16	26	e21	e17	e15	e16	e21	102	443	432	54	23	35
17	24	e19	e17	e13	e15	e20	99	613	371	50	28	33
18	24	e20	e18	e15	e15	e21	91	685	361	50	23	31
19	23	e20	e17	e13	e15	23	82	659	345	49	22	29
20	22	e19	e16	e15	e14	24	88	661	316	49	19	26
21	22	e19	e15	e15	e14	24	103	718	264	48	18	24
22	21	e21	e17	e15	e14	23	121	788	262	42	18	22
23	24	e21	e15	e15	e15	25	109	880	248	40	21	21
24	25	e23	e12	e16	e14	26	95	958	220	39	19	20
25	23	e22	e15	e14	e15	26	107	1,000	178	37	20	19
26	21	e21	e15	e15	e14	25	148	933	171	36	22	18
27	24	e20	e15	e15	e15	27	200	1,070	170	38	18	18
28	22	e19	e15	e14	e14	28	252	1,140	171	35	18	18
29	23	e20	e14	e13	---	31	273	1,200	164	38	18	17
30	21	e23	e16	e15	---	30	265	1,260	156	32	17	17
31	22	---	e16	e14	---	e27	---	1,120	---	30	18	---
TOTAL	950	645	546	457	400	631	2,885	16,989	12,863	2,037	713	826
MEAN	30.6	21.5	17.6	14.7	14.3	20.4	96.2	548	429	65.7	23.0	27.5
MAX	54	27	26	16	18	31	273	1,260	1,110	149	36	68
MIN	21	19	12	13	12	13	27	121	156	30	17	14
AC-FT	1,880	1,280	1,080	906	793	1,250	5,720	33,700	25,510	4,040	1,410	1,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	30.9	23.3	16.5	13.7	12.5	20.0	124	525	566	193	51.0	26.9
MAX	68.4	38.4	25.1	23.5	21.6	44.3	303	778	971	804	237	62.7
(WY)	(1998)	(1998)	(1994)	(1996)	(2002)	(1999)	(1943)	(1941)	(1995)	(1995)	(1995)	(1995)
MIN	10.2	8.63	8.03	8.35	6.20	8.52	36.4	248	134	17.9	7.74	13.8
(WY)	(1943)	(1943)	(1943)	(1947)	(1945)	(1950)	(1944)	(2002)	(2002)	(2002)	(2002)	(1942)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	22,573.8		39,942			
ANNUAL MEAN	61.8		109		136	
HIGHEST ANNUAL MEAN					214	1995
LOWEST ANNUAL MEAN					61.6	2002
HIGHEST DAILY MEAN	395	May 31	1,260	May 30	1,390	Jun 17, 1995
LOWEST DAILY MEAN	4.1	Sep 3	e12	Dec 24	3.9	Nov 26, 1942
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 31	13	Feb 5	4.6	Aug 31, 2002
MAXIMUM PEAK FLOW			1,420	May 30	1,550	Jun 17, 1995
MAXIMUM PEAK STAGE			5.66	May 30	5.84	Jun 17, 1995
ANNUAL RUNOFF (AC-FT)	44,780		79,220		98,410	
10 PERCENT EXCEEDS	204		325		495	
50 PERCENT EXCEEDS	22		24		26	
90 PERCENT EXCEEDS	9.4		14		11	

e Estimated.

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--March 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09111500

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. 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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
22...	0950	21	1.1	9.2	7.8	156	4.5	66	21.9	2.79	E.05	<0.015	0.270
DEC													
03...	1340	26	--	10.0	7.5	177	1.0	--	--	--	0.12	0.045	0.191
FEB													
11...	1510	12	--	8.4	7.5	218	0.1	--	--	--	0.90	0.696	0.226
APR													
15...	1700	131	E11	9.3	7.6	163	2.6	69	22.3	3.25	0.27	0.042	0.402
JUN													
17...	1120	351	2.3	8.4	7.4	81	8.0	38	13.1	1.41	E.08	<0.015	0.072
AUG													
26...	1025	22	4.0	7.4	7.6	171	12.5	80	26.0	3.72	0.11	<0.015	0.073

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT					
22...	0.005	0.071	0.098	2.4	E7
DEC					
03...	0.003	0.033	0.051	<2.0	E1
FEB					
11...	0.003	0.162	0.21	<2.0	55
APR					
15...	0.003	<0.007	0.040	2.2	E2
JUN					
17...	<0.002	<0.007	0.017	<2.0	E3
AUG					
26...	E.002	0.007	0.027	<2.0	83

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

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

Date	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
22...	<20	E.2	<1.2	44	<1	56.2	<0.3	26
APR								
15...	20	1.0	2.4	29	<1	133	<0.3	207
JUN								
17...	22	0.3	E1.0	34	1	20.8	<0.3	54
AUG								
26...	8	E.1	E1.0	20	<1	67.6	<0.3	26

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

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO—Continued

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

Date	Time	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Biomass peri-phyton, ashfree drymass g/m2 (49954)
AUG 26...	1030	840	858.1	1,810	5.3	8.8	<15.800

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

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT 02...	1302	48	158	9.5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Temper-ature, water, deg C (00010)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
OCT 22...	0950	21	4.5	1	0.06
APR 15...	1700	131	2.6	19	6.7
JUN 17...	1120	351	8.0	12	12
AUG 26...	1025	22	12.5	7	0.40

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°47'03", long 106°52'13", in NE¼NE¼ sec.3, T.15 S., R.85 W., Gunnison County, Hydrologic Unit 14020001, on left bank 11 ft downstream from bridge on State Highway 135, 1.6 mi downstream from Cement Creek, and 8.5 mi southeast of Crested Butte.

DRAINAGE AREA.--238 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1972, October 1979 to September 1981, October 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=09112200

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,440 ft above NGVD of 1929, from topographic map. Prior to Oct. 1993, water-stage recorder 0.5 mi upstream, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,500 acres upstream and downstream from station.

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	137	87	e62	e47	e42	e42	72	468	2,490	483	188	101
2	119	90	e61	e43	e43	e40	81	432	2,190	476	179	96
3	114	74	e62	e46	e42	e41	81	415	1,930	412	191	94
4	112	75	e60	e47	e40	e42	79	442	1,770	386	184	98
5	105	75	e61	e45	e39	e41	76	387	1,550	357	162	95
6	99	68	e59	e44	e35	e40	75	319	1,370	331	152	100
7	96	72	e57	e42	e32	e42	71	283	1,220	307	150	112
8	95	85	e56	e44	e38	e46	64	277	1,110	292	146	119
9	92	83	e50	e47	e42	e49	73	255	1,160	277	136	145
10	90	e78	e42	e48	e42	e48	89	223	1,160	256	136	252
11	87	e77	e48	e48	e48	e51	115	209	1,140	228	142	199
12	82	e74	e51	e46	e53	e55	152	236	1,130	191	144	163
13	78	e95	e52	e45	e57	e59	194	312	1,080	169	143	187
14	77	e76	e46	e47	e61	e62	274	392	1,000	167	144	168
15	74	e69	e48	e46	e54	e65	302	658	1,010	168	130	153
16	73	e62	e46	e44	e50	e67	253	759	1,020	168	131	147
17	70	e64	e48	e45	e47	e67	253	1,120	869	157	145	143
18	69	e62	e47	e42	e48	e64	245	1,280	836	160	133	135
19	67	e58	e43	e42	e44	59	220	1,230	799	160	125	129
20	66	e60	e40	e43	e42	53	235	1,190	741	161	114	123
21	65	e62	e49	e44	e44	62	263	1,300	687	227	110	116
22	65	e63	e41	e44	e43	55	292	1,450	695	261	113	104
23	74	e65	e35	e44	e40	62	289	1,670	688	242	120	101
24	76	e63	e44	e44	e43	67	247	1,880	645	247	116	97
25	71	e62	e45	e43	e45	62	270	2,030	563	217	116	94
26	73	e55	e42	e42	e45	63	367	1,870	545	214	131	90
27	83	e48	e41	e42	e43	63	469	2,190	545	223	116	86
28	80	e55	e41	e42	e43	61	542	2,420	539	210	116	82
29	80	e60	e45	e42	---	61	551	2,480	516	218	111	79
30	74	e58	e44	e42	---	e61	524	2,490	508	186	109	77
31	82	---	e41	e42	---	e68	---	2,390	---	163	110	---
TOTAL	2,625	2,075	1,507	1,372	1,245	1,718	6,818	33,057	31,506	7,714	4,243	3,685
MEAN	84.7	69.2	48.6	44.3	44.5	55.4	227	1,066	1,050	249	137	123
MAX	137	95	62	48	61	68	551	2,490	2,490	483	191	252
MIN	65	48	35	42	32	40	64	209	508	157	109	77
AC-FT	5,210	4,120	2,990	2,720	2,470	3,410	13,520	65,570	62,490	15,300	8,420	7,310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	113	88.0	68.4	60.6	57.0	68.5	241	1,004	1,263	524	202	134
MAX	188	125	96.2	83.2	76.0	113	404	1,606	2,450	1,796	609	271
(WY)	(1966)	(1998)	(1966)	(1971)	(1971)	(1999)	(1971)	(1996)	(1995)	(1995)	(1995)	(1965)
MIN	58.5	62.4	48.6	43.8	42.7	43.5	77.0	406	309	102	63.5	64.3
(WY)	(1964)	(1964)	(2003)	(1995)	(1964)	(1964)	(1964)	(1981)	(2002)	(2002)	(2002)	(1994)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	50,640		97,565			
ANNUAL MEAN	139		267		319	
HIGHEST ANNUAL MEAN					531	1995
LOWEST ANNUAL MEAN					140	2002
HIGHEST DAILY MEAN	730	Jun 1	2,490	May 30	3,610	Jun 17, 1995
LOWEST DAILY MEAN	e35	Dec 23	e32	Feb 7	e32	Feb 7, 2003
ANNUAL SEVEN-DAY MINIMUM	e41	Dec 22	e38	Feb 3	38	Feb 3, 2003
MAXIMUM PEAK FLOW			2,870	May 30	4,350	Jun 18, 1995
MAXIMUM PEAK STAGE			4.53	May 30	a5.06	Jun 18, 1995
ANNUAL RUNOFF (AC-FT)	100,400		193,500		231,300	
10 PERCENT EXCEEDS	366		713		987	
50 PERCENT EXCEEDS	73		87		104	
90 PERCENT EXCEEDS	46		43		54	

e Estimated.
a Maximum gage height for period of record, 8.30 ft, Jun 12, 1980, from floodmarks, site and datum then in use.

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO—Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 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=09112200

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1995 to May 1997.
WATER TEMPERATURE: May 1995 to September 1998.
DISSOLVED OXYGEN: May 1995 to May 1997.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry, May 1995 to May 1997. Water temperature sensor and logger, May 1997 to September 1998.

REMARKS.--Suspended sediment sample concentration determined from a subsample split.

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt 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...	1400	65	9.4	8.9	305	7.5	119	125	10	1.29	34.4	E.07	<0.015
DEC													
04...	1000	61	11.2	8.2	319	0.0	126	154	--	2.37	37.8	E.07	<0.015
FEB													
12...	0930	53	11.6	8.3	332	0.0	133	162	--	1.68	39.7	0.12	0.027
APR													
15...	1020	292	10.2	8.2	227	2.1	70	86	--	2.91	32.9	0.27	E.012
MAY													
06...	1100	308	9.3	8.2	236	4.4	78	96	--	2.20	26.6	0.35	E.009
JUN													
18...	0910	810	8.9	8.0	181	8.0	70	86	--	0.84	16.4	E.09	<0.015
JUL													
16...	1220	175	7.4	8.3	265	15.2	90	109	--	1.37	23.7	E.11	<0.015
AUG													
27...	0905	80	8.1	8.3	315	11.1	87	106	--	1.76	34.1	0.10	<0.015

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)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT					
22...	0.024	<0.002	<0.007	0.008	E3
DEC					
04...	0.094	<0.002	<0.007	0.009	<1
FEB					
12...	0.169	E.002	<0.007	0.009	E5
APR					
15...	0.321	E.002	<0.007	0.047	E3
MAY					
06...	0.322	0.003	<0.007	0.015	--
JUN					
18...	0.065	<0.002	<0.007	0.014	E46
JUL					
16...	E.031	<0.002	<0.007	E.007	--
AUG					
27...	0.069	<0.002	<0.007	0.007	E25

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

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO—Continued

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

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
APR 15...	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
AUG 27...	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006

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

Date	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
APR 15...	<0.018	E.002	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	E.004	<0.005	<0.005	<0.007
AUG 27...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007

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

Date	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
APR 15...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
AUG 27...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022

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

Date	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
APR 15...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
AUG 27...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
FEB 12...	0920	870	919.1	650	39	68.3	44.4
AUG 27...	0845	1,100	1,086	1,840	7.2	13.7	25.3

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO—Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT					APR				
02...	1104	126	299	8.0	02...	0845	69	299	2.6
NOV					MAY				
13...	1441	95	303	1.5	13...	1120	315	233	7.0

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...	1400	65	7.5	1	0.18
DEC					
04...	1000	61	0.0	1	0.20
FEB					
12...	0930	53	0.0	1	0.17
APR					
15...	1020	292	2.1	24	19
MAY					
06...	1100	308	4.4	6	4.7
JUN					
18...	0910	810	8.0	9	19
JUL					
16...	1220	175	15.2	2	0.80
AUG					
27...	0905	80	11.1	3	0.63

09112500 EAST RIVER AT ALMONT, CO

LOCATION.--Lat 38°39'52", long. 106°50'51", in NW¼SE¼ sec.22, T.51 N., R.1 E., Gunnison County, Hydrologic Unit 14020001, on left bank at Almont, 200 ft upstream from bridge on State Highway 135, and 400 ft upstream from confluence with Taylor River.

DRAINAGE AREA.--289 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April to October 1905, July 1910 to September 1922, October 1934 to current year. Monthly discharges only for some periods, 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=09112500

REVISED RECORDS.--WSP 1313: 1911. WSP 1733: 1952. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,006.29 ft above NGVD of 1929. Apr. 16 to Sept. 30, 1905, and July 27, 1910 to Apr. 30, 1922, nonrecording gages at bridge 200 ft downstream, at different datums. Oct. 1, 1934 to Sept. 22, 1954, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 7,400 acres upstream from station.

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	121	85	e74	e47	e49	e48	68	376	2,310	423	200	105
2	109	88	e69	e55	e49	e46	75	354	2,060	423	194	97
3	102	82	e68	e47	e48	e45	77	346	1,810	e377	200	94
4	101	81	e65	e50	e48	e47	74	358	1,650	e351	199	97
5	98	82	e68	e51	e47	e48	71	332	1,460	e323	188	94
6	102	76	e65	e49	e42	e47	71	271	1,270	e298	180	100
7	100	78	e63	e49	e40	e46	68	248	1,120	e270	176	111
8	96	90	e61	e51	e37	e48	62	234	1,010	e259	172	121
9	96	93	e55	e49	e42	e51	69	227	1,050	257	163	140
10	96	83	e53	e51	e48	49	80	202	1,050	241	161	245
11	95	88	e56	e56	e47	53	104	190	1,020	225	164	204
12	91	81	e63	e56	e49	58	142	188	1,020	202	170	135
13	86	84	e66	e54	e47	58	183	230	983	189	169	153
14	85	90	e60	e49	e54	62	253	280	924	190	171	146
15	83	84	e61	e55	e58	68	296	487	925	190	155	138
16	80	69	e62	e54	e51	70	243	572	937	e188	152	130
17	80	80	e61	e45	e50	67	241	905	828	e190	163	123
18	79	83	e56	e53	e51	63	233	1,070	810	193	153	120
19	76	78	e51	e44	e49	61	198	1,050	779	191	140	114
20	77	81	e46	e49	e47	56	205	1,010	731	187	128	112
21	75	79	e53	e49	e46	64	230	1,080	662	256	122	108
22	77	75	e55	e51	e50	59	253	1,220	650	326	121	97
23	80	75	e44	e51	e49	63	262	1,460	635	290	130	92
24	83	84	e38	e50	e46	67	221	1,620	601	293	127	80
25	80	79	e57	e51	e49	63	233	1,770	517	257	125	77
26	78	64	e53	e49	e48	63	301	1,630	483	252	136	75
27	85	e59	e47	e49	e48	63	379	1,870	459	261	123	74
28	86	e66	e49	e49	e48	56	445	2,120	456	240	122	73
29	88	e72	e49	e49	---	56	440	2,220	445	246	119	72
30	82	e71	e52	e49	---	59	419	2,370	441	218	113	67
31	82	---	e48	e49	---	69	---	2,250	---	183	112	---
TOTAL	2,749	2,380	1,768	1,560	1,337	1,773	5,996	28,540	29,096	7,989	4,748	3,394
MEAN	88.7	79.3	57.0	50.3	47.8	57.2	200	921	970	258	153	113
MAX	121	93	74	56	58	70	445	2,370	2,310	423	200	245
MIN	75	59	38	44	37	45	62	188	441	183	112	67
AC-FT	5,450	4,720	3,510	3,090	2,650	3,520	11,890	56,610	57,710	15,850	9,420	6,730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	117	95.2	73.1	62.2	59.5	68.2	248	1,018	1,353	555	233	130
MAX	279	172	128	102	90.4	137	670	1,978	2,670	2,037	659	271
(WY)	(1912)	(1987)	(1985)	(1985)	(1962)	(1986)	(1936)	(1936)	(1920)	(1957)	(1995)	(1965)
MIN	56.3	47.8	42.0	25.5	28.7	43.1	77.2	222	282	93.5	25.0	52.4
(WY)	(1978)	(1978)	(1977)	(1940)	(1940)	(1976)	(1964)	(1977)	(2002)	(1977)	(1913)	(1977)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	50,808		91,330			
ANNUAL MEAN	139		250		335	
HIGHEST ANNUAL MEAN					574	1995
LOWEST ANNUAL MEAN					104	1977
HIGHEST DAILY MEAN	681	Jun 1	2,370	May 30	5,000	Jun 12, 1918
LOWEST DAILY MEAN	32	Sep 6	e37	Feb 8	19	Aug 13, 1913
ANNUAL SEVEN-DAY MINIMUM	35	Sep 1	43	Feb 5	21	Jan 15, 1940
MAXIMUM PEAK FLOW			2,560	May 30	a6,500	Jun 15, 1921
MAXIMUM PEAK STAGE			6.42	May 30	b6.60	Jun 15, 1921
ANNUAL RUNOFF (AC-FT)	100,800		181,200		242,700	
10 PERCENT EXCEEDS	350		655		1,040	
50 PERCENT EXCEEDS	86		88		108	
90 PERCENT EXCEEDS	53		49		55	

e Estimated.
a Site and datum then in use, from rating curve extended above 3,000 ft^3/s.
b Maximum gage height 8.41 ft, Jun 18, 1995, present datum.

09112500 EAST RIVER AT ALMONT, CO—Continued

WATER-QUALITY RECORDS

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=09112500

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT													
22...	1442	76	8.3	8.8	320	9.5	<0.10	<0.015	E.011	<0.002	<0.007	0.005	<1
DEC													
04...	1120	59	11.2	8.3	312	0.0	E.05	<0.015	0.055	<0.002	<0.007	0.005	<1
FEB													
12...	1145	52	10.6	8.2	319	0.2	0.11	<0.015	0.071	<0.002	<0.007	0.004	E1
APR													
16...	1200	237	10.0	8.4	238	5.4	0.18	<0.015	0.283	0.003	<0.007	0.023	<1
JUN													
18...	1145	820	8.7	8.3	217	10.5	E.08	<0.015	0.034	<0.002	<0.007	0.012	53
AUG													
27...	1030	118	8.4	8.4	326	13.3	E.07	<0.015	0.039	<0.002	<0.007	0.007	E20

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG							
27...	1040	980	993.7	1,530	6.6	11.2	<17.200

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

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT				
02...	1659	104	310	10.0
NOV				
13...	1420	77	323	2.5
APR				
02...	1055	73	315	6.0
MAY				
06...	1140	285	255	6.1
28...	1504	2,080	161	11.6
JUN				
17...	1843	795	223	12.1
JUL				
17...	1340	195	326	18.1

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO

LOCATION.--Lat 38°35'16", long 106°55'51", in SW¼SW¼ sec.13, T.50 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, on left bank at County Road 48 bridge, 1.1 mi upstream from confluence with the Gunnison River, and 3.1 mi north of Gunnison.

DRAINAGE AREA.--161 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09113980

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,770 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 10,000 acres upstream from station.

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	16	12	e15	e9.8	e12	e12	44	31	531	66	52	19
2	18	11	e15	e11	e12	e10	56	24	462	74	51	18
3	19	10	e11	e13	e11	e14	52	22	383	79	48	e17
4	19	10	e15	e12	e9.9	e14	44	31	323	68	53	19
5	19	10	e14	e11	e10	e13	37	41	265	62	42	20
6	19	9.8	e13	e10	e8.9	e12	35	37	220	59	39	29
7	19	10	e12	e9.6	e8.5	e14	33	33	192	61	38	40
8	18	12	e9.7	e11	e8.3	e17	32	34	177	56	33	39
9	17	e19	e9.3	e16	e11	e17	43	31	177	55	27	39
10	16	16	e10	e15	e9.5	e21	53	27	197	50	21	120
11	14	15	e13	e13	e9.9	e25	65	23	205	48	21	90
12	13	13	e15	e10	e13	e28	72	27	187	55	22	71
13	12	13	e13	e14	e13	e30	69	30	162	68	26	77
14	12	e18	e15	e14	13	31	73	37	148	68	23	59
15	11	e15	e13	e9.3	e13	31	77	82	148	76	19	51
16	11	e17	e15	e11	e14	32	58	94	156	90	28	46
17	11	e18	e15	e8.9	14	29	56	138	150	88	57	43
18	11	e16	e12	e9.1	14	25	37	191	157	93	32	e40
19	10	e17	e9.7	e11	16	22	23	264	161	99	37	e35
20	9.9	e18	e13	e12	e17	23	22	228	175	104	26	e32
21	9.7	e18	e10	e12	e17	27	23	222	138	107	23	e33
22	9.5	e18	e9.7	e12	e16	28	23	242	124	105	20	e29
23	10	e17	e10	e11	e13	33	23	284	109	95	29	e24
24	11	e17	e12	e11	e15	37	15	309	84	109	24	e22
25	10	e13	e9.5	e9.9	14	38	13	323	73	100	21	e18
26	10	e9.8	e9.7	e11	14	36	14	276	74	88	20	e17
27	11	e14	e9.8	e12	16	32	16	298	68	83	19	e17
28	11	e18	e12	e11	14	29	23	360	66	78	36	e15
29	12	e17	e12	e10	---	30	34	433	63	68	30	e15
30	11	e18	e9.7	e11	---	32	44	496	70	60	26	e15
31	11	---	e13	e12	---	e37	---	447	---	55	21	---
TOTAL	411.1	439.6	375.1	353.6	357.0	779	1,209	5,115	5,445	2,367	964	1,109
MEAN	13.3	14.7	12.1	11.4	12.8	25.1	40.3	165	182	76.4	31.1	37.0
MAX	19	19	15	16	17	38	77	496	531	109	57	120
MIN	9.5	9.8	9.3	8.9	8.3	10	13	22	63	48	19	15
AC-FT	815	872	744	701	708	1,550	2,400	10,150	10,800	4,690	1,910	2,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	17.9	14.2	16.2	14.2	15.6	28.6	70.9	155	126	75.4	48.6	29.8
MAX	25.9	16.3	21.2	18.5	18.8	45.3	153	229	236	152	103	49.2
(WY)	(2000)	(2000)	(2000)	(1999)	(2000)	(1999)	(2000)	(2000)	(1999)	(1999)	(1999)	(1999)
MIN	13.0	12.8	12.1	10.6	12.7	21.3	38.8	6.75	26.0	17.5	7.23	10.2
(WY)	(2001)	(2002)	(2003)	(2002)	(2003)	(2002)	(1999)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	6,015.3		18,924.4			
ANNUAL MEAN	16.5		51.8		45.7	
HIGHEST ANNUAL MEAN					60.2	2000
LOWEST ANNUAL MEAN					17.4	2002
HIGHEST DAILY MEAN	106	Apr 3	531	Jun 1	531	Jun 1, 2003
LOWEST DAILY MEAN	1.5	May 3	e8.3	Feb 8	1.5	May 3, 2002
ANNUAL SEVEN-DAY MINIMUM	1.9	May 1	9.4	Feb 4	1.9	May 1, 2002
MAXIMUM PEAK FLOW			607	Jun 1	607	Jun 1, 2003
MAXIMUM PEAK STAGE			4.68	Jun 1	4.68	Jun 1, 2003
ANNUAL RUNOFF (AC-FT)	11,930		37,540		33,080	
10 PERCENT EXCEEDS	27		130		116	
50 PERCENT EXCEEDS	13		21		20	
90 PERCENT EXCEEDS	5.3		10		10	

e Estimated.

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--November 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09113980

REMARKS--Prior to September 1998, published as site number 383516106555000.

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
OCT 16...	1400	18	8.9	8.0	402	12.0	0.15	<0.015	<0.022	<0.002	0.015	0.029	<2.0
DEC 04...	1330	26	10.0	8.2	262	3.5	0.17	<0.015	E.015	<0.002	0.016	0.046	<2.0
FEB 12...	1330	14	11.0	7.9	164	0.1	E.09	<0.015	E.020	<0.002	0.015	0.031	<2.0
APR 16...	1320	55	9.0	8.3	163	8.3	0.59	E.009	0.169	0.003	0.012	0.149	2.5
JUN 18...	1345	163	7.7	8.1	294	17.7	0.43	<0.015	<0.022	E.002	0.033	0.078	<2.0
AUG 27...	1320	18	7.8	8.5	249	19.0	0.21	<0.015	<0.022	<0.002	0.025	0.057	<2.0

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

Date	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT 16...	<1
DEC 04...	E6
FEB 12...	E3
APR 16...	E10
JUN 18...	E32
AUG 27...	38

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG 27...	1325	1,200	1,189	744	24	45.4	33.8

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO—Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT				
02...	0946	20	438	8.5
NOV				
13...	1535	17	370	5.0
APR				
02...	1155	59	195	4.2
MAY				
05...	1802	46	297	11.2
27...	1535	278	175	17.8

09114500 GUNNISON RIVER NEAR GUNNISON, CO

LOCATION.--Lat 38°32'31", long 106°56'57", in NW¼NW¼ sec.2, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, on right bank 0.7 mi downstream from Antelope Creek and 1.2 mi west of Gunnison.

DRAINAGE AREA.--1,012 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1910 to December 1928, October 1944 to current year. Monthly discharges only for some periods, 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=09114500

REVISED RECORDS.--WSP 1313: 1911, 1916.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 7,655 ft above NGVD of 1929, from topographic map. Nov. 25, 1910 to Dec. 31, 1928, nonrecording gages (supplementary water-stage recorder Apr. 28, 1916 to June 17, 1918) at bridge about 0.6 mi downstream at various datums. April 11, 1945 to July 28, 1970, water-stage recorder at sites 0.4 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Taylor Park Reservoir (station 09108500), 37 mi upstream from station. Diversions for irrigation of about 22,000 acres upstream from station.

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	286	228	e202	e185	e181	156	214	484	3,260	750	583	368
2	278	230	e200	e177	e183	154	236	481	2,940	746	568	347
3	258	222	e197	e182	e182	146	227	488	2,580	693	565	345
4	254	219	e195	e185	e177	174	225	516	2,330	667	575	354
5	245	222	e194	e181	e179	164	208	533	2,090	649	538	339
6	243	216	e191	e178	e170	160	199	480	1,900	628	521	338
7	241	218	e189	e179	e170	158	187	445	1,730	608	517	350
8	221	233	e188	e180	e174	162	173	422	1,590	569	506	344
9	218	257	e183	e183	e181	157	192	404	1,600	543	484	328
10	226	239	e180	e189	e179	163	208	367	1,700	527	476	618
11	226	240	e185	e187	e183	177	264	345	1,670	502	469	529
12	226	e230	e191	e184	e182	194	336	348	1,620	477	481	368
13	228	e218	e194	e180	e189	199	325	356	1,580	467	495	381
14	240	e220	e188	e186	e191	208	342	409	1,530	467	483	343
15	238	e214	e190	e185	e184	211	389	632	1,510	459	455	313
16	225	e207	e189	e177	185	214	326	790	1,550	488	416	281
17	223	e210	e190	e184	170	205	310	1,190	1,450	478	471	270
18	218	e207	e190	e176	165	204	300	1,430	1,400	507	441	257
19	217	e203	e183	e181	150	198	262	1,520	1,410	538	432	240
20	216	e207	e178	e182	149	188	263	1,410	1,430	541	390	207
21	210	e208	e190	e184	162	207	280	1,430	1,280	639	380	214
22	217	e210	e175	e184	174	191	290	1,580	1,220	781	377	224
23	222	e211	e170	e184	151	201	303	1,910	1,150	729	396	222
24	230	e208	e182	e182	144	204	269	2,110	1,060	732	398	213
25	227	e205	e183	e183	167	210	269	2,290	953	674	398	207
26	219	e197	e178	e181	155	206	321	2,110	896	642	401	202
27	228	e193	e179	e181	158	211	425	2,300	804	656	398	197
28	230	e200	e179	e182	162	191	511	2,670	790	649	436	198
29	231	e202	e183	e180	---	190	528	2,950	765	656	415	199
30	223	e203	e183	e180	---	191	525	3,230	767	613	408	193
31	222	---	e177	e182	---	208	---	3,170	---	555	395	---
TOTAL	7,186	6,477	5,776	5,644	4,797	5,802	8,907	38,800	46,555	18,630	14,268	8,989
MEAN	232	216	186	182	171	187	297	1,252	1,552	601	460	300
MAX	286	257	202	189	191	214	528	3,230	3,260	781	583	618
MIN	210	193	170	176	144	146	173	345	765	459	377	193
AC-FT	14,250	12,850	11,460	11,190	9,510	11,510	17,670	76,960	92,340	36,950	28,300	17,830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	400	298	237	211	204	251	604	1,812	2,457	1,260	730	537
MAX	805	614	616	395	365	582	1,381	3,605	6,074	4,621	1,510	908
(WY)	(1969)	(1968)	(1966)	(1966)	(1971)	(1986)	(1962)	(1914)	(1918)	(1957)	(1957)	(1985)
MIN	186	162	128	119	111	117	214	283	425	288	261	170
(WY)	(1978)	(1964)	(1963)	(1945)	(1955)	(1964)	(1964)	(1977)	(1977)	(1977)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	100,808		171,831			
ANNUAL MEAN	276		471		752	
HIGHEST ANNUAL MEAN					1,278	1995
LOWEST ANNUAL MEAN					256	1977
HIGHEST DAILY MEAN	788	Jun 1	3,260	Jun 1	11,400	Jun 11, 1918
LOWEST DAILY MEAN	116	Sep 6	144	Feb 24	80	Dec 27, 1962
ANNUAL SEVEN-DAY MINIMUM	122	Sep 1	156	Feb 23	95	Dec 25, 1962
MAXIMUM PEAK FLOW			3,510	May 30	a11,400	Jun 13, 1918
MAXIMUM PEAK STAGE			3.60	May 30	b6.74	Jul 1, 1957
ANNUAL RUNOFF (AC-FT)	200,000		340,800		544,600	
10 PERCENT EXCEEDS	473		1,200		1,860	
50 PERCENT EXCEEDS	222		228		386	
90 PERCENT EXCEEDS	154		178		180	

e Estimated.
a Site and datum then in use, from rating curve extended above 5,000 ft^3/s, gage height, 4.05 ft.
b Site and datum then in use.

09114500 GUNNISON RIVER NEAR GUNNISON, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--April 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09114500

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
OCT													
17...	0830	223	9.8	8.2	257	3.5	E.08	<0.015	<0.022	<0.002	<0.007	0.005	<2.0
DEC													
04...	1430	173	13.0	8.4	250	1.5	E.09	<0.015	E.019	<0.002	<0.007	0.009	<2.0
FEB													
12...	1500	183	11.6	8.4	213	0.1	0.14	<0.015	<0.022	<0.002	<0.007	0.011	<2.0
APR													
16...	1420	311	9.7	8.8	213	10.1	0.22	<0.015	0.108	E.002	<0.007	0.027	<2.0
JUN													
18...	1505	1,410	8.6	8.4	223	14.5	0.17	<0.015	<0.022	<0.002	<0.007	0.018	<2.0
AUG													
28...	1530	424	7.7	8.5	210	17.0	0.15	<0.015	E.021	<0.002	<0.007	0.019	<2.0

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

Date	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT	
17...	E4
DEC	
04...	<1
FEB	
12...	<1
APR	
16...	<1
JUN	
18...	50
AUG	
28...	82

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

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

Date	Time	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Biomass periphyton, ashfree drymass g/m2 (49954)
AUG							
28...	1535	740	749.4	1,570	4.5	7.5	<11.800

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

09114500 GUNNISON RIVER NEAR GUNNISON, CO—Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT				
03...	0910	262	265	8.0
NOV				
14...	1005	220	262	1.0
APR				
03...	1110	229	238	4.3

09115500 TOMICHI CREEK AT SARGENTS, CO

LOCATION.--Lat 38°24'42", long 106°25'20", in SW¼SW¼ sec.21, T.48 N., R.5 E., Saguache County, Hydrologic Unit 14020003, on right bank 300 ft from U.S. Highway 50, 0.5 mi downstream from Marshall Creek, and 0.8 mi south of Sargents.

DRAINAGE AREA.-- 149 mi^2.

PERIOD OF RECORD.--October 1916 to September 1922, October 1937 to September 1972, October 1992 to current year. Monthly discharge only for some periods, 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=09115500

REVISED RECORDS.--WSP 1313: 1922(M). WRD Colo. 1967: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,416 ft above NGVD of 1929, from topographic map. May 12 to Oct. 5, 1917, nonrecording gage. Oct. 6, 1917 to Sept. 30, 1922, water-stage recorder, at railroad bridge 1,000 ft upstream at different datum. Apr. 18, 1938 to Sept. 9, 1953, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,900 acres upstream from station. Larkspur ditch diverts water upstream from station to Arkansas River 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.

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	15	16	e29	e14	e14	e14	e30	74	297	45	38	26
2	15	15	e27	e17	e15	e13	e29	69	258	43	36	24
3	16	14	e25	e15	e16	e12	e31	67	235	39	35	25
4	15	e13	e22	e18	e15	e12	e33	72	210	38	33	27
5	14	e10	e23	e18	e11	e14	e34	68	201	37	30	25
6	13	e11	e24	e16	e10	e13	e32	57	177	38	30	27
7	13	e12	e21	e14	e11	e12	e33	51	158	39	30	40
8	13	e15	e21	e15	e11	e14	e30	55	142	37	27	43
9	13	e21	e19	e15	e13	e15	e32	51	135	31	23	39
10	12	e17	e18	e17	e13	e20	e32	53	129	25	26	63
11	12	e14	e17	e20	e13	e21	e35	51	122	24	26	53
12	12	e13	e18	e18	e13	e24	e38	56	112	24	33	46
13	12	e14	e19	e17	e15	e27	e44	66	107	27	26	44
14	12	e11	e21	e16	e19	e31	e45	63	99	27	25	39
15	12	e10	e21	e16	e18	e34	e28	87	89	28	24	35
16	12	e10	e21	e14	e16	e36	e23	95	88	30	25	34
17	13	e11	e20	e16	e15	e36	e22	120	89	34	25	32
18	13	e14	e21	e17	e15	e33	e13	138	88	33	27	30
19	12	e15	e20	e14	e14	e30	e14	156	102	30	27	30
20	13	e19	e17	e14	e12	e31	e19	172	101	36	24	29
21	e13	e20	e19	e15	e14	e30	e25	171	85	38	23	28
22	e13	e23	e18	e17	e15	e31	e42	183	74	40	24	27
23	e15	e24	e15	e18	e14	e31	e34	209	67	42	28	27
24	e16	e25	e15	e17	e15	e33	e50	220	57	46	42	26
25	e16	e23	e16	e16	e16	e36	e64	244	55	38	31	25
26	15	e18	e15	e15	e16	e37	e73	235	54	37	33	24
27	16	e16	e15	e15	e15	e37	e75	248	50	61	29	24
28	16	e19	e14	e14	e15	e35	e73	283	48	57	32	24
29	15	e24	e15	e14	---	e30	73	298	47	47	37	23
30	16	e26	e18	e14	---	e29	75	294	45	45	28	23
31	16	---	e16	e15	---	e28	---	289	---	39	27	---
TOTAL	429	493	600	491	399	799	1,181	4,295	3,521	1,155	904	962
MEAN	13.8	16.4	19.4	15.8	14.2	25.8	39.4	139	117	37.3	29.2	32.1
MAX	16	26	29	20	19	37	75	298	297	61	42	63
MIN	12	10	14	14	10	12	13	51	45	24	23	23
AC-FT	851	978	1,190	974	791	1,580	2,340	8,520	6,980	2,290	1,790	1,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2003, BY WATER YEAR (WY)

MEAN	31.2	27.8	23.2	21.4	22.0	28.3	66.3	196	194	63.5	38.9	29.2
MAX	48.9	38.1	39.0	43.2	49.6	50.3	139	382	588	255	128	59.5
(WY)	(1971)	(1997)	(1996)	(1996)	(1996)	(1972)	(1962)	(1958)	(1957)	(1957)	(1957)	(1957)
MIN	13.8	16.4	12.3	10.7	10.9	15.0	27.9	24.7	14.7	11.8	9.10	11.9
(WY)	(2003)	(2003)	(2002)	(1967)	(1967)	(1970)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1917 - 2003	
ANNUAL TOTAL	6,204.6		15,229			
ANNUAL MEAN	17.0		41.7		61.9	
HIGHEST ANNUAL MEAN					122	1921
LOWEST ANNUAL MEAN					18.4	2002
HIGHEST DAILY MEAN	60	Mar 30	298	May 29	838	Jun 18, 1995
LOWEST DAILY MEAN	4.8	Aug 18	e10	Nov 5	4.8	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	5.9	Aug 13	12	Feb 5	5.9	Aug 13, 2002
MAXIMUM PEAK FLOW			339	May 30	964	Jun 18, 1995
MAXIMUM PEAK STAGE			2.47	May 30	a4.03	Jun 18, 1995
ANNUAL RUNOFF (AC-FT)	12,310		30,210		44,870	
10 PERCENT EXCEEDS	28		87		152	
50 PERCENT EXCEEDS	15		25		30	
90 PERCENT EXCEEDS	8.7		13		18	

e Estimated.
a Maximum gage height for period of record, 4.05 ft, Jun 16, 1917, and Jun 9, 1921, site and datum then in use.

383604106312400 QUARTZ CREEK BELOW PITKIN, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°36'04", long 106°31'24", in SW¼SE¼ sec.9, T.50 N., R.4 E., Gunnison County, Hydrologic Unit 14020003, 1 mi south of Pitkin on Wuanita Pass Road.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 2000 to August 2003 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=383604106312400

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, 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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
18...	0830	5.2	3.0	10.0	8.2	180	0.0	98	28.5	6.48	E.06	<0.015	0.033
DEC													
05...	1000	8.2	--	10.3	8.2	180	0.0	--	--	--	<0.10	<0.015	0.052
FEB													
13...	0840	5.6	--	10.0	8.2	181	0.9	--	--	--	<0.10	<0.015	0.052
APR													
17...	0920	13	E1.1	9.8	8.0	169	0.9	84	24.4	5.52	0.17	<0.015	0.030
JUN													
19...	0940	62	<1.0	8.0	7.8	113	6.5	61	18.5	3.54	E.09	<0.015	E.016
AUG													
28...	0845	23	1.3	7.9	8.0	157	10.5	79	24.1	4.68	0.13	<0.015	0.025

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT					
18...	<0.002	<0.007	0.004	<2.0	<1
DEC					
05...	<0.002	<0.007	0.004	<2.0	E1
FEB					
13...	<0.002	<0.007	0.006	<2.0	E2
APR					
17...	<0.002	<0.007	0.009	<2.0	<1
JUN					
19...	<0.002	<0.007	0.006	<2.0	E3
AUG					
28...	<0.002	<0.007	0.013	<2.0	65

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

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

Date	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
18...	<20	<0.2	E.6	32	<1	E2.2	<0.3	<24
APR								
17...	<20	<0.2	E1.1	27	<1	3.0	<0.3	<24
JUN								
19...	7	<0.2	E1.2	32	<1	4.0	<0.3	E3
AUG								
28...	5	<0.2	E.7	49	<1	2.8	<0.3	E2

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

383604106312400 QUARTZ CREEK BELOW PITKIN, CO—Continued

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

Date	Time	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Biomass peri-phyton, ashfree drymass g/m2 (49954)
AUG 28...	0850	1,200	1,268	1,550	8.0	11.6	<17.500

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Temper-ature, water, deg C (00010)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
OCT 18...	0830	5.2	0.0	1	0.01
APR 17...	0920	13	0.9	2	0.08
JUN 19...	0940	62	6.5	3	0.49
AUG 28...	0845	23	10.5	4	0.26

09118450 COCHETOPA CREEK BELOW ROCK CREEK, NEAR PARLIN, CO

LOCATION.--Lat 38°20'08", long 106°46'18", in SW¼NE¼ sec.17, T.47 N., R.2 E. Saguache County, Hydrologic Unit 14020003, on left bank 0.75 mi downstream from Rock Creek and 12 mi south of Parlin.

DRAINAGE AREA.--334 mi^2.

PERIOD OF RECORD.--October 1981 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09118450

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,470 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of hay meadows upstream from station. Transmountain diversion by Tarbell ditch exports water upstream from station to Saguache Creek, since 1913. 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	e16	e16	e15	e9.1	e6.3	e11	29	28	39	8.0	11	20
2	14	e17	e14	e9.1	e6.7	e13	33	27	36	6.8	9.6	18
3	14	e18	e13	e11	e6.7	e13	28	25	32	6.0	12	18
4	14	e19	e12	e9.5	e6.7	e14	25	27	26	6.9	14	21
5	14	e19	e12	e9.5	e7.9	e14	21	26	23	6.0	8.8	22
6	14	e18	e11	e9.5	e8.3	e14	20	24	20	6.0	9.2	28
7	14	e18	e11	e8.7	e8.3	e15	19	23	15	11	9.1	32
8	15	e18	e12	e7.5	e9.5	e16	19	24	13	13	7.9	27
9	15	e18	e11	e8.3	e11	e16	22	24	13	11	6.7	26
10	16	e17	e12	e8.3	e9.9	e17	30	22	17	14	6.7	59
11	14	e18	e10	e7.5	e9.9	e19	37	22	16	e11	7.6	49
12	16	e18	e12	e6.0	e11	e20	40	18	16	e9.5	8.0	36
13	17	e17	e14	e7.5	e11	e19	41	20	18	e8.0	15	29
14	18	e18	e12	e7.1	e11	e18	44	22	16	e7.5	15	26
15	18	e18	e9.1	e6.7	e10	e21	49	29	15	e6.8	13	24
16	18	e21	e13	e6.3	e10	e23	36	35	14	e8.5	14	23
17	18	e21	e9.8	e7.1	e8.4	e21	34	29	14	e11	15	26
18	19	e22	e9.4	e6.7	e11	e25	32	31	10	10	15	24
19	e22	e20	e9.1	e6.7	e11	e27	29	36	16	8.7	16	22
20	e21	e19	e10	e6.7	e9.6	e27	27	29	29	8.9	15	24
21	e21	e18	e9.8	e6.3	e9.6	e25	28	27	21	13	13	23
22	e21	e19	e8.3	e7.1	e10	e23	30	24	17	10	13	22
23	e23	e19	e9.9	e7.1	e10	e23	28	29	14	13	15	22
24	e22	e20	e8.3	e7.5	e9.6	e22	23	23	11	12	17	20
25	e22	e20	e8.7	e6.7	e8.8	e26	24	23	13	8.5	34	20
26	e20	e20	e8.7	e8.3	e11	e32	24	24	13	8.9	25	18
27	e20	e18	e11	e9.9	e10	e32	25	20	13	8.5	20	17
28	e18	e18	e9.5	e9.1	e9.2	e31	28	21	13	7.7	23	17
29	e14	e16	e8.7	e9.0	---	e28	30	25	14	7.7	41	16
30	e15	e16	e9.5	e7.1	---	e26	29	29	12	8.6	33	16
31	e15	---	e9.1	e7.1	---	e25	---	30	---	9.1	26	---
TOTAL	538	554	332.9	244.0	262.4	656	884	796	539	285.6	488.6	745
MEAN	17.4	18.5	10.7	7.87	9.37	21.2	29.5	25.7	18.0	9.21	15.8	24.8
MAX	23	22	15	11	11	32	49	36	39	14	41	59
MIN	14	16	8.3	6.0	6.3	11	19	18	10	6.0	6.7	16
AC-FT	1,070	1,100	660	484	520	1,300	1,750	1,580	1,070	566	969	1,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

MEAN	35.5	29.9	22.3	19.2	19.6	31.4	52.4	82.7	82.4	49.1	62.2	45.2
MAX	72.6	49.9	39.5	36.6	33.4	52.3	135	413	240	130	153	90.8
(WY)	(1983)	(1983)	(1985)	(1984)	(1986)	(1985)	(1987)	(1984)	(1984)	(1995)	(1999)	(1982)
MIN	17.4	15.0	10.3	7.87	9.37	12.5	27.9	13.2	8.66	7.63	10.9	14.7
(WY)	(2003)	(1993)	(1982)	(2003)	(2003)	(1982)	(1990)	(2002)	(2002)	(2002)	(2002)	(1996)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1982 - 2003	
ANNUAL TOTAL	6,053.7		6,325.5			
ANNUAL MEAN	16.6		17.3		44.4	
HIGHEST ANNUAL MEAN					106	1984
LOWEST ANNUAL MEAN					17.3	2002
HIGHEST DAILY MEAN	73	Apr 4	59	Sep 10	954	May 23, 1984
LOWEST DAILY MEAN	4.0	Jul 31	e6.0	Jan 12	4.0	Jul 31, 2002
ANNUAL SEVEN-DAY MINIMUM	5.4	Jul 27	6.6	Jan 15	5.4	Jul 27, 2002
MAXIMUM PEAK FLOW			62	Sep 10	1,120	May 23, 1984
MAXIMUM PEAK STAGE			2.25	Sep 10	a4.49	May 23, 1984
ANNUAL RUNOFF (AC-FT)	12,010		12,550		32,170	
10 PERCENT EXCEEDS	28		29		89	
50 PERCENT EXCEEDS	13		16		31	
90 PERCENT EXCEEDS	7.6		8.0		14	

e Estimated.
a Maximum gage height, 5.64 ft, Mar 25, 1998, backwater from ice.

383126106475600 TOMICHI CREEK BELOW COCHETOPA CREEK NEAR PARLIN, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°31'26", long 106°47'56", in SW¼NW¼ sec. 7, T.49 N., R.2 E., Gunnison County, Hydrologic Unit 14020003, 100 ft south of Highway 50, 1 mi downstream of confluence with Cochetopa Creek, and 4 mi northwest of Parlin.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 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=383126106475600

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
17...	1100	28	14	10.0	8.2	319	4.5	150	43.2	10.6	0.24	<0.015	<0.022
DEC													
05...	0840	22	--	10.8	8.2	269	0.0	--	--	--	0.13	<0.015	<0.022
FEB													
13...	1020	45	--	10.0	7.7	236	0.2	--	--	--	0.10	<0.015	E.018
APR													
17...	1015	86	E8.0	9.4	8.1	239	6.1	110	29.9	7.52	0.36	<0.015	<0.022
JUN													
20...	0900	186	2.3	8.0	8.1	367	12.1	180	48.9	13.6	0.55	E.009	<0.022
AUG													
28...	1010	73	4.8	8.2	8.3	256	15.1	120	34.4	8.28	0.29	<0.015	<0.022

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT				
17...	<0.002	0.029	0.059	E14
DEC				
05...	<0.002	0.024	0.039	E5
FEB				
13...	<0.002	0.011	0.028	E27
APR				
17...	<0.002	0.031	0.085	<1
JUN				
20...	<0.002	0.011	0.044	89
AUG				
28...	<0.002	0.029	0.066	E5

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

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

Date	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
17...	<20	<0.2	<1.2	65	<1	50.3	<0.3	<24
APR								
17...	<20	<0.2	<1.2	157	<1	65.5	<0.3	<24
JUN								
20...	2	<0.2	1.3	98	M	71.6	<0.3	5
AUG								
28...	2	<0.2	E1.0	43	<1	31.9	<0.3	E2

< -- Actual value is known to be less than the value shown.
E -- Estimated laboratory analysis value.
M -- Presence of material verified but not quantified.

383126106475600 TOMICHI CREEK BELOW COCHETOPA CREEK NEAR PARLIN, CO—Continued

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

Date	Time	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Biomass peri-phyton, ashfree drymass g/m2 (49954)
FEB 13...	1015	830	858.7	--	E22	E35.7	24.700
AUG 28...	1015	760	782.6	736	18	29.2	22.0

E -- Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Temper-ature, water, deg C (00010)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
OCT 17...	1100	28	4.5	6	0.45
APR 17...	1015	86	6.1	18	4.1
JUN 20...	0900	186	12.1	6	2.8
AUG 28...	1010	73	15.1	8	1.6

09119000 TOMICHI CREEK AT GUNNISON, CO

LOCATION.--Lat 38°31'18", long 106°56'25", in NE¼SW¼ sec.11, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020003, on right bank 300 ft downstream from highway bridge, 1.8 mi southwest of Post Office in Gunnison, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--1,061 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November and December 1910 (gage heights and discharge measurements only), October 1937 to current year. Monthly discharges only for some periods, published in WSP 1313. Published as "near Gunnison" 1910. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09119000

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-86-2: 1985.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 7,628.58 ft above NGVD of 1929. Nov. 25 to Dec. 24, 1910, nonrecording gage 300 ft upstream at different datum. Apr. 20, 1938 to Oct. 2, 1940, water-stage recorder at present site at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 24,000 acres upstream from station. Water diverted upstream from station by Larkspur ditch to Arkansas River basin since 1935 and by Tarbell ditch to Rio Grande basin since 1914.

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	38	66	e59	e51	e51	e44	e93	10	558	50	120	72
2	35	65	e57	e53	e51	e43	107	e12	555	51	117	66
3	34	61	e57	e50	e49	e44	103	e11	470	52	107	64
4	23	51	e55	e50	e47	e44	90	e11	379	52	101	67
5	25	51	e54	e51	e47	e44	88	e12	333	52	100	70
6	27	48	e54	e50	e46	e43	78	e11	297	52	89	82
7	27	46	e55	e50	e46	e45	76	e9.8	255	51	87	93
8	26	57	e54	e52	e46	e48	67	e8.7	228	48	87	104
9	29	101	e53	e51	e44	e56	70	e11	202	45	83	106
10	29	107	e53	e50	e44	e69	75	e8.7	200	42	88	184
11	29	86	e52	e51	e46	e82	80	e10	195	41	79	239
12	30	76	e52	e50	e45	e81	84	e8.7	174	38	82	201
13	29	69	e52	e49	e47	e77	82	e12	165	46	85	163
14	29	e69	e50	e49	e50	e78	66	15	164	48	94	148
15	30	e69	e49	e49	e50	e68	78	15	150	47	81	133
16	31	e65	e50	e49	e47	e68	82	18	138	48	74	124
17	32	e70	e51	e47	e48	e64	74	46	130	50	78	109
18	33	e69	e53	e48	e50	e64	70	89	136	54	77	99
19	34	e69	e52	e47	e49	e63	70	157	154	54	83	89
20	38	e70	e51	e46	e48	e61	66	164	165	51	79	88
21	39	e74	e49	e45	e47	e67	59	180	165	61	69	87
22	39	e75	e49	e45	e47	e64	40	178	155	77	67	82
23	45	e77	e48	e45	e45	e74	7.4	208	133	86	67	79
24	51	e73	e47	e46	e48	e77	12	254	108	92	73	77
25	48	e73	e48	e47	e47	e76	11	319	92	95	74	75
26	50	e69	e47	e46	e45	e76	14	369	90	90	85	69
27	52	e62	e47	e46	e45	e72	16	386	72	105	73	65
28	53	e60	e49	e47	e45	e69	15	419	61	139	71	61
29	58	e59	e50	e47	---	e64	14	469	60	167	76	59
30	66	e60	e50	e47	---	e63	9.8	565	52	160	83	49
31	66	---	e50	e49	---	e71	---	550	---	124	79	---
TOTAL	1,175	2,047	1,597	1,503	1,320	1,959	1,797.2	4,536.9	6,036	2,168	2,608	3,004
MEAN	37.9	68.2	51.5	48.5	47.1	63.2	59.9	146	201	69.9	84.1	100
MAX	66	107	59	53	51	82	107	565	558	167	120	239
MIN	23	46	47	45	44	43	7.4	8.7	52	38	67	49
AC-FT	2,330	4,060	3,170	2,980	2,620	3,890	3,560	9,000	11,970	4,300	5,170	5,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	94.1	101	76.8	67.3	69.6	112	236	392	461	190	160	93.2
MAX	209	158	117	116	98.0	279	564	2,073	1,481	859	440	318
(WY)	(1970)	(1971)	(1987)	(1971)	(1986)	(1939)	(1942)	(1984)	(1984)	(1957)	(1957)	(1970)
MIN	33.5	62.4	45.8	37.1	36.2	59.8	56.5	10.1	24.7	26.8	25.6	19.2
(WY)	(1964)	(1951)	(1964)	(1979)	(1979)	(1981)	(1967)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	17,322.4		29,751.1			
ANNUAL MEAN	47.5		81.5		171	
HIGHEST ANNUAL MEAN					478	1984
LOWEST ANNUAL MEAN					54.2	2002
HIGHEST DAILY MEAN	156	Apr 5	565	May 30	4,040	May 26, 1984
LOWEST DAILY MEAN	e3.4	May 6	7.4	Apr 23	2.6	Sep 30, 1977
ANNUAL SEVEN-DAY MINIMUM	e4.5	May 5	e9.7	May 6	e4.5	May 5, 2002
MAXIMUM PEAK FLOW			617	May 30	4,620	May 23, 1984
MAXIMUM PEAK STAGE			3.23	May 30	5.49	May 23, 1984
ANNUAL RUNOFF (AC-FT)	34,360		59,010		124,100	
10 PERCENT EXCEEDS	84		154		375	
50 PERCENT EXCEEDS	41		59		97	
90 PERCENT EXCEEDS	18		31		52	

e Estimated.

09119000 TOMICHI CREEK AT GUNNISON, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--October 1990 to September 1993, April 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09119000

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. 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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
17...	0920	32	2.8	10.0	8.2	361	4.0	180	53.0	12.5	0.22	<0.015	E.018
DEC													
05...	1140	54	--	10.8	8.4	290	0.0	--	--	--	0.18	<0.015	E.019
FEB													
13...	1120	44	--	10.7	8.1	265	2.2	--	--	--	0.15	<0.015	E.013
APR													
17...	1130	72	E8.3	9.4	8.1	253	9.3	120	33.1	8.32	0.33	<0.015	<0.022
JUN													
19...	1220	153	1.2	9.2	8.0	378	16.5	190	52.4	13.3	0.53	<0.015	<0.022
AUG													
28...	1340	71	3.1	11.3	8.7	279	18.5	140	40.1	10.8	0.27	<0.015	<0.022

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, m-TEC MF, water, col/100 mL (31633)
OCT					
17...	E.002	E.004	0.019	<2.0	97
DEC					
05...	<0.002	0.008	0.032	<2.0	E5
FEB					
13...	<0.002	E.006	0.024	<2.0	<1
APR					
17...	<0.002	0.022	0.074	<2.0	E1
JUN					
19...	<0.002	0.010	0.042	<2.0	79
AUG					
28...	<0.002	0.013	0.041	<2.0	E42

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

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

Date	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
17...	<20	<0.2	<1.2	34	<1	21.7	<0.3	<24
APR								
17...	<20	<0.2	E.7	104	<1	87.3	<0.3	<24
JUN								
19...	<2	<0.2	1.8	43	<1	63.5	<0.3	4
AUG								
28...	2	<0.2	<1.2	20	<1	19.0	<0.3	E2

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

09119000 TOMICHI CREEK AT GUNNISON, CO—Continued

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

Date	Time	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Biomass peri-phyton, ashfree drymass g/m2 (49954)
AUG 28...	1335	1,800	1,838	38,000	0.7	1.1	43.0

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Date	Time	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT 03...	1033	36	358	9.5	MAY 02...	1520	11	389	13.6
NOV 14...	1010	69	345	1.0	29...	1313	501	298	18.0
APR 01...	1730	93	272	9.5	SEP 04...	1404	66	297	19.2

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instan-taneous dis-charge, cfs (00061)	Temper-ature, water, deg C (00010)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
OCT 17...	0920	32	4.0	2	0.17
APR 17...	1130	72	9.3	11	2.1
JUN 19...	1220	153	16.5	3	1.2
AUG 28...	1340	71	18.5	4	0.73

383103106594200 GUNNISON RIVER AT COUNTY ROAD 32 BELOW GUNNISON, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°31'03", long 106°59'42", in SW¼SE¼ sec. 8, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, at County Road 32 bridge, 0.25 mi south of US HWY 50, and 3.3 mi west of Gunnison.

DRAINAGE AREA.--2,128 mi^2.

PERIOD OF RECORD.--December 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=383103106594200

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

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

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
16...	1230	255	3.1	9.4	8.2	282	6.5	140	42.7	8.83	0.25	<0.015	0.032
DEC													
04...	1530	248	3.7	11.3	8.4	259	1.0	130	37.0	8.27	E.09	<0.015	0.025
FEB													
13...	1240	249	5.0	10.9	8.5	230	0.2	120	34.9	7.75	0.18	<0.015	0.078
APR													
17...	1300	384	E4.6	10.1	8.6	235	8.1	110	33.7	6.98	0.26	<0.015	0.104
JUN													
19...	1455	1,260	1.1	8.7	8.3	241	15.0	130	37.9	7.70	0.28	<0.015	E.018
AUG													
29...	0840	487	2.7	8.4	8.1	240	12.4	120	34.5	7.27	0.16	<0.015	0.078

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, m-TEC MF, water, col/ 100 mL (31633)
OCT					
16...	<0.002	0.009	0.014	<2.0	<1
DEC					
04...	<0.002	E.005	0.017	<2.0	E1
FEB					
13...	<0.002	0.011	0.049	<2.0	<1
APR					
17...	E.002	0.012	0.036	<2.0	E1
JUN					
19...	E.002	E.004	0.025	<2.0	23
AUG					
29...	<0.002	0.012	0.033	<2.0	71

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

383103106594200 GUNNISON RIVER AT COUNTY ROAD 32 BELOW GUNNISON, CO—Continued

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

Date	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT 16...	<0.04	0.4	0.10	12.4	<0.5	<0.2	1
DEC 04...	<0.04	0.5	E.07	15.9	<0.5	<0.2	1
FEB 13...	<0.04	0.5	<0.08	10.2	E.3	<0.2	1
APR 17...	<0.04	1.0	0.10	26.9	E.4	<0.2	3
JUN 19...	E.02	0.7	E.06	21.4	<0.5	<0.2	3
AUG 29...	<0.04	0.7	<0.08	16.4	<0.5	<0.2	1

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

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

Date	Time	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
AUG 29...	0845	<7.400	840	849.9	356	13	20.8

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

09124500 LAKE FORK AT GATEVIEW, CO

LOCATION.--Lat 38°17'56", long 107°13'46", in SE¼NE¼ sec.29, T.47 N., R.3 W., Gunnison County, Hydrologic Unit 14020002, on left bank at old village of Gateview, 25 ft downstream from private bridge, 0.2 mi upstream from Indian Creek, and 6.3 mi upstream from waterline of Blue Mesa Reservoir, at elevation 7,519 ft.

DRAINAGE AREA.--334 mi^2.

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for some periods, published in WSP 1313. Water-quality data available, October 1990 to September 1993. Sediment data available, October 1998 to September 1999. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09124500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 7,827.66 ft above NGVD of 1929. Prior to Oct. 1, 1938, at datum 2.00 ft higher, Oct. 1, 1938 to Sept. 30, 1945, at datum 1.00 ft higher, and Oct. 1, 1945 to Sept. 3, 1991, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,600 acres upstream from station. 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	70	52	e57	e40	e40	e34	e57	195	1,200	311	162	169
2	72	51	e53	e42	e41	e33	e46	166	1,190	304	155	159
3	86	e45	e54	e39	e39	e34	41	154	1,120	295	151	158
4	84	e43	e52	e39	e37	e34	37	158	1,000	277	152	153
5	85	e46	e53	e40	e37	e34	35	151	936	266	155	144
6	85	e41	e51	e40	e35	e33	33	133	815	253	143	181
7	85	e42	e51	e39	e35	e35	32	125	743	241	137	182
8	85	e44	e51	e41	e36	e38	28	122	723	222	137	171
9	84	e55	e49	e41	e33	e45	36	112	744	206	126	184
10	81	e49	e48	e40	e34	e60	41	109	746	196	117	194
11	78	e46	e47	e40	e35	e73	50	103	709	181	113	281
12	76	e41	e47	e39	e34	e72	58	110	e649	174	108	258
13	72	e56	e48	e38	e37	e68	59	143	e592	166	131	294
14	71	e50	e47	e39	e40	e69	68	166	e532	150	151	313
15	67	e48	e48	e39	e39	e59	74	252	e541	114	141	313
16	65	e45	e47	e38	e37	e58	66	275	e525	113	148	309
17	64	e52	e50	e36	e37	e54	62	334	e490	119	147	305
18	62	e59	e51	e37	e39	e54	62	428	435	107	140	284
19	62	e57	e49	e37	e38	e52	62	422	433	108	131	271
20	60	e61	e45	e35	e38	e51	59	445	438	111	122	256
21	58	e65	e49	e34	e37	e57	62	461	410	114	117	233
22	59	e66	e46	e34	e36	e54	70	610	410	117	117	215
23	61	e68	e45	e34	e34	e65	71	846	408	116	120	196
24	61	e64	e45	e36	e37	e68	66	1,010	391	118	141	183
25	60	e55	e44	e37	e36	e67	64	974	366	120	134	173
26	58	e57	e45	e35	e34	e64	73	869	357	124	134	160
27	60	e48	e42	e36	e35	e48	93	1,090	350	122	150	149
28	58	e55	e42	e37	e35	e41	120	1,270	343	147	158	142
29	56	e56	e43	e36	---	e47	174	1,410	332	132	172	136
30	51	e56	e44	e36	---	e53	230	1,480	321	136	172	129
31	55	---	e39	e39	---	e62	---	1,260	---	143	177	---
TOTAL	2,131	1,573	1,482	1,173	1,025	1,616	2,029	15,383	18,249	5,303	4,359	6,295
MEAN	68.7	52.4	47.8	37.8	36.6	52.1	67.6	496	608	171	141	210
MAX	86	68	57	42	41	73	230	1,480	1,200	311	177	313
MIN	51	41	39	34	33	33	28	103	321	107	108	129
AC-FT	4,230	3,120	2,940	2,330	2,030	3,210	4,020	30,510	36,200	10,520	8,650	12,490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	95.2	68.3	52.0	46.1	43.8	56.0	131	536	966	473	206	132
MAX	242	143	75.7	66.5	71.0	102	340	1,153	1,586	1,266	480	430
(WY)	(1942)	(1942)	(1984)	(1984)	(1986)	(1939)	(1952)	(1984)	(1944)	(1957)	(1999)	(1970)
MIN	40.3	42.7	32.9	29.9	30.4	30.5	53.3	205	176	63.2	48.1	45.5
(WY)	(1957)	(1940)	(2002)	(2002)	(1990)	(1977)	(1990)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	29,657		60,618			
ANNUAL MEAN	81.3		166		234	
HIGHEST ANNUAL MEAN					413	1984
LOWEST ANNUAL MEAN					79.8	2002
HIGHEST DAILY MEAN	355	May 21	1,480	May 30	2,410	Jun 29, 1957
LOWEST DAILY MEAN	e21	Jan 3	28	Apr 8	e,a21	Jan 3, 2002
ANNUAL SEVEN-DAY MINIMUM	e26	Jan 29	e34	Feb 28	23	Jan 19, 1976
MAXIMUM PEAK FLOW			1,700	May 30	2,720	Jul 10, 1983
MAXIMUM PEAK STAGE			4.04	May 30	b4.18	Jul 10, 1983
ANNUAL RUNOFF (AC-FT)	58,820		120,200		169,700	
10 PERCENT EXCEEDS	182		409		677	
50 PERCENT EXCEEDS	56		67		85	
90 PERCENT EXCEEDS	32		37		40	

e Estimated.
a Also occurred Feb 1, 2002.
b At datum then in use. Maximum gage height, 4.77 ft, Jun 16, 1995, at present datum.

09125800 SILVER JACK RESERVOIR NEAR CIMARRON, CO

LOCATION.--Lat 38°13'58", long 107°32'28", in T.46 N., R. 6 W., Gunnison County, Hydrologic Unit 14020002, in gate house of Silver Jack Dam on Cimarron River, 14.5 mi south of Cimarron.

DRAINAGE AREA.--59 mi^2.

PERIOD OF RECORD.--October 1987 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09125800

REVISED RECORDS.--WDR CO-92-2: 1991 minimum contents.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8925.60 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. Storage began in December 1970; dam completed December 1971. Capacity, 13,520 acre-ft, 1971 survey, between elevation 8,800.0 ft, streambed at dam, and 8,925.6 ft, crest of spillway. Dead storage below elevation 8,836.0 ft, 520 acre-ft. Figures given are live contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 13,550 acre-ft, June 15-16, 1995, elevation, 8,927.45 ft; minimum daily mean contents, 934 acre-ft, Oct. 2, 2002, mean elevation, 8,853.77 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 13,370 acre-ft, May 30, mean elevation, 8,926.84 ft; minimum daily mean contents, 934 acre-ft, Oct. 2, mean elevation, 8,853.77 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	8,853.93	940	-
Oct. 31	8,856.79	1,150	+210
Nov. 30	8,862.51	1,630	+480
Dec. 31	8,865.81	1,930	+300
CAL YR 2002	-	-	-730
Jan. 31	8,868.38	2,180	+250
Feb. 28	8,869.47	2,300	+120
Mar. 31	8,871.77	2,540	+240
Apr. 30	8,888.43	4,790	+2,250
May 31	8,926.76	13,350	+8,560
June 30	8,925.72	13,040	-310
July 31	8,912.07	9,430	-3,610
Aug. 31	8,891.53	5,290	-4,140
Sept. 30	8,890.71	5,150	-140
WTR YR 2003	-	-	+4,210

09126000 CIMARRON RIVER NEAR CIMARRON, CO

LOCATION.--Lat 38°15'26", long 107°32'46", in NW¼NE¼ Sec.8, T.46 N., R.6 W., Gunnison County, Hydrologic Unit 14020002, on right bank 0.2 mi upstream from Forest Service bridge, 0.8 mi upstream from headgate on Cimarron ditch, 1.9 mi downstream from Silver Jack Dam, and 13 mi south of Cimarron.

DRAINAGE AREA.--66.6 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as Cimarron Creek near Cimarron. Statistical summary computed for 1971 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09126000

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 8,641.48 ft above NGVD of 1929. Oct. 14, 1954 to Oct. 11, 1972 at site 0.4 mi downstream at different datum. Oct. 12, 1972 to Sept. 30, 1996 at site 0.2 mi downstream at datum 10.00 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor, and discharges above 800 ft^3/s, which are fair. Diversion upstream from station through Owl Creek ditch into Uncompahgre River basin. Flow regulated by Silver Jack Dam, 1.9 mi upstream since Dec. 23, 1970, total capacity, 13,520 acre-ft. 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	29	14	e16	e11	e17	e14	e16	27	943	138	124	99
2	27	14	e16	e11	e16	e14	e16	26	913	130	123	99
3	23	e14	e14	e11	e14	e16	e18	26	862	124	121	103
4	23	e13	e13	e14	e10	e16	e16	31	809	138	127	105
5	23	e14	e11	e12	e11	e18	e15	51	724	153	135	109
6	23	e14	e12	e12	e11	e17	e16	73	617	154	135	107
7	23	e13	e13	e13	e10	e18	e18	73	550	154	131	110
8	23	e13	e14	e15	e10	e18	e20	77	484	152	125	106
9	23	e15	e13	e13	e12	e18	e19	86	506	152	124	112
10	23	e19	e12	e14	e14	e19	19	86	456	153	125	114
11	23	e14	e13	e13	e14	e21	20	85	466	156	121	108
12	22	e13	e13	e12	e15	e19	21	94	454	153	118	102
13	19	e13	e13	e12	e16	e15	23	110	380	152	118	96
14	13	e13	e12	e13	e18	e17	24	111	349	155	118	93
15	13	e14	e12	e13	e17	e15	23	94	391	150	117	92
16	13	e13	e12	e13	e16	e15	22	73	370	149	117	91
17	13	e14	e13	e14	e14	e14	24	126	315	145	118	91
18	13	e15	e15	e13	e16	e13	23	130	292	142	118	92
19	22	e16	e13	e12	e15	e12	21	130	271	142	119	92
20	28	e17	e11	e11	e15	e14	23	130	271	142	117	92
21	28	e18	e13	e11	e15	e14	24	135	245	145	117	65
22	28	e20	e13	e11	e15	e16	25	117	236	148	118	33
23	28	e21	e12	e11	e15	e17	24	68	240	147	120	26
24	28	e17	e13	e11	e17	e19	22	71	206	144	115	20
25	23	e14	e13	e11	e15	e21	26	85	183	142	107	19
26	14	e13	e13	e11	e13	e20	31	95	172	143	103	19
27	14	e12	e11	e13	e14	e18	31	120	171	144	101	19
28	14	e13	e12	e15	e14	e16	32	662	162	138	100	20
29	14	e13	e13	e15	---	e17	30	984	153	124	100	19
30	13	e16	e11	e17	---	e18	28	1,120	147	123	101	19
31	14	---	e11	e17	---	e18	---	1,060	---	124	100	---
TOTAL	637	442	396	395	399	517	670	6,156	12,338	4,456	3,633	2,272
MEAN	20.5	14.7	12.8	12.7	14.2	16.7	22.3	199	411	144	117	75.7
MAX	29	21	16	17	18	21	32	1,120	943	156	135	114
MIN	13	12	11	11	10	12	15	26	147	123	100	19
AC-FT	1,260	877	785	783	791	1,030	1,330	12,210	24,470	8,840	7,210	4,510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	46.1	22.4	16.4	15.0	15.3	16.7	24.4	174	421	212	116	74.7
MAX	135	46.9	31.7	30.0	29.4	35.3	46.5	440	799	640	239	126
(WY)	(1983)	(1986)	(1974)	(1974)	(1986)	(1986)	(1987)	(1996)	(1984)	(1995)	(1983)	(1995)
MIN	20.2	8.18	6.79	2.36	3.03	4.45	8.46	46.5	109	82.7	63.8	32.2
(WY)	(1991)	(1990)	(1978)	(1971)	(1971)	(1971)	(1977)	(1995)	(2002)	(2002)	(2002)	(1977)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	16,602		32,311			
ANNUAL MEAN	45.5		88.5		a96.4	
HIGHEST ANNUAL MEAN					180	1984
LOWEST ANNUAL MEAN					40.2	1977
HIGHEST DAILY MEAN	128	May 31	1,120	May 30	1,330	Jun 16, 1995
LOWEST DAILY MEAN	e11	Dec 5	e10	Feb 4	b,c0.00	Dec 24, 1970
ANNUAL SEVEN-DAY MINIMUM	e12	Dec 25	e11	Jan 20	0.00	Dec 24, 1970
MAXIMUM PEAK FLOW			1,620	May 30	d,f1,620	Jun 5, 1997
MAXIMUM PEAK STAGE			3.75	May 30	g3.91	Jun 5, 1997
ANNUAL RUNOFF (AC-FT)	32,930		64,090		69,820	
10 PERCENT EXCEEDS	102		153		249	
50 PERCENT EXCEEDS	27		21		30	
90 PERCENT EXCEEDS	13		13		11	

e Estimated.
a Average discharge for 16 years (water years 1955-70), 88.6 ft^3/s; 64,190 acre-ft/yr, prior to completion of Silver Jack Dam.
b Also occurred Dec 25-31, 1970, and Jan 1-9, 1971. Result of storage in Silver Jack Dam.
c Minimum daily discharge prior to construction of Silver Jack Dam, 8.0 ft^3/s, Dec 27-28, 1962, and Jan 13, 1963.
d Also occurred May 30, 2003.
f Maximum discharge and stage for period of record, 1,790 ft^3/s, Jun 28, 1957, gage height, 8.32 ft, site and datum then in use.
g Maximum gage height for statistical period, 6.16 ft, Jun 25, 1971.

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO

LOCATION.--Lat 38°31'45", long 107°38'54", in NE¼NW¼ sec.10, T.49 N., R.7 W., Montrose County, Hydrologic Unit 14020002, on left bank 0.4 mi downstream from east portal of Gunnison tunnel, 4.7 mi downstream from Crystal Creek, and 12 mi northeast of Montrose.

DRAINAGE AREA.--3,965 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1903 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at east portal of Gunnison tunnel" 1905-6 and as "at River portal" 1907-11. Statistical summary computed for 1911 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09128000

REVISED RECORDS.--WSP 1313: 1906(M). WSP 1733: 1918-19, 1948. WSP 2124: Drainage area. WDR CO-77-2: 1926, 1941.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,526.06 ft above NGVD of 1929. Apr. 9, 1905 to Aug. 20, 1915, nonrecording gage at site 300 ft upstream from diversion dam at east portal of Gunnison Tunnel, at different datum. Aug. 21, 1915 to Jan. 19, 1943, nonrecording gage at site 500 ft downstream from diversion dam at east portal of Gunnison Tunnel, at different datum. Jan. 20, 1943 to Sept. 30, 1956, water-stage recorder at present site at datum 1.0 ft, higher.

REMARKS.--Records good except for estimated discharges, which are fair. Natural flow of stream affected by transmountain diversions, transbasin diversion through Gunnison Tunnel for irrigation of about 75,000 acres in Uncompahgre Valley (see table below for figures of diversion), Taylor Park Reservoir (station 09108500), Blue Mesa Reservoir (station 09124600), Morrow Point Reservoir (station 09125400), Crystal Reservoir (station 09127600), diversions for irrigation of about 63,000 acres, and return flow from irrigated areas.

COOPERATION.--Diversions, in acre-feet, through Gunnison Tunnel; provided by Colorado Division of Water Resources.

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	322	279	254	260	257	269	272	272	1,270	693	670	641
2	324	e277	254	260	255	268	273	295	1,330	739	676	600
3	324	e276	250	260	252	268	276	313	1,270	765	677	546
4	309	275	250	260	259	268	271	313	1,050	815	673	548
5	318	285	250	260	266	272	268	313	837	814	673	553
6	328	292	247	255	254	276	272	312	658	814	676	556
7	320	272	247	256	254	272	275	312	627	818	674	557
8	315	272	247	263	254	272	274	313	631	816	673	560
9	317	274	248	264	254	270	274	313	515	816	672	525
10	319	273	250	264	255	269	278	312	381	845	673	464
11	317	272	248	263	255	269	279	311	384	899	672	433
12	316	272	248	263	257	269	279	311	388	892	673	436
13	315	289	251	262	260	269	280	320	387	890	676	438
14	316	290	251	260	260	268	279	320	386	885	747	441
15	271	273	251	260	260	267	293	323	383	850	821	443
16	265	272	251	260	260	267	277	367	383	823	821	444
17	258	270	252	260	260	271	275	362	382	826	821	436
18	256	269	251	260	261	271	276	351	386	818	790	426
19	256	269	253	260	267	270	274	331	384	816	731	426
20	256	267	254	257	272	270	274	349	383	811	732	428
21	256	266	254	261	264	271	276	359	380	774	732	428
22	277	266	252	264	264	272	277	356	415	749	733	395
23	317	265	257	258	266	272	275	357	514	746	727	372
24	279	263	251	258	268	275	275	361	361	747	721	372
25	279	267	252	258	268	270	274	361	368	749	708	372
26	279	266	255	257	264	270	275	362	444	746	679	372
27	279	257	255	255	267	270	275	363	546	744	672	371
28	279	257	255	255	267	269	274	362	596	745	667	371
29	279	256	256	256	---	271	273	553	596	736	660	371
30	279	254	256	256	---	272	273	911	636	669	653	369
31	279	---	255	257	---	272	---	1,260	---	668	646	---
TOTAL	9,104	8,135	7,805	8,042	7,300	8,379	8,266	12,018	17,271	24,518	21,819	13,694
MEAN	294	271	252	259	261	270	276	388	576	791	704	456
MAX	328	292	257	264	272	276	293	1,260	1,330	899	821	641
MIN	256	254	247	255	252	267	268	272	361	668	646	369
AC-FT	18,060	16,140	15,480	15,950	14,480	16,620	16,400	23,840	34,260	48,630	43,280	27,160
a	38,060	647	656	589	476	5,370	42,820	49,730	47,600	62,240	60,990	44,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	568	759	800	781	770	863	1,271	3,081	3,896	1,514	688	507
MAX	2,114	1,888	2,165	2,732	3,153	3,278	3,282	8,617	11,670	8,468	2,237	2,447
(WY)	(1912)	(1971)	(1987)	(1974)	(1971)	(1971)	(1930)	(1928)	(1957)	(1957)	(1957)	(1929)
MIN	17.0	116	141	143	155	248	177	216	123	61.1	34.4	8.37
(WY)	(1935)	(1935)	(1966)	(1966)	(1966)	(1966)	(1954)	(1967)	(1954)	(1940)	(1924)	(1937)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	164,181		146,351			
ANNUAL MEAN	450		401		1,292	
HIGHEST ANNUAL MEAN					2,936	1984
LOWEST ANNUAL MEAN					261	1967
HIGHEST DAILY MEAN	723	Feb 15	1,330	Jun 2	18,600	Jun 15, 1921
LOWEST DAILY MEAN	247	Dec 6	247	Dec 6	b0.00	Sep 11, 1915
ANNUAL SEVEN-DAY MINIMUM	248	Dec 6	248	Dec 6	0.30	Oct 26, 1950
MAXIMUM PEAK FLOW			1,400	Jun 2	c19,000	Jun 15, 1921
MAXIMUM PEAK STAGE			3.87	Jun 2	15.80	Jun 15, 1921
ANNUAL RUNOFF (AC-FT)	325,700		290,300		936,000	
10 PERCENT EXCEEDS	645		745		3,050	
50 PERCENT EXCEEDS	473		279		611	
90 PERCENT EXCEEDS	257		255		196	

e Estimated.
a Diversions, in acre-feet, through Gunnison tunnel, provided by Colorado Division of Water Resources.
b Also occurred Sep 26, 1936, Oct 8, 1949, Sep 5-6, and 15-16, 1950.
c Present datum, from rating curve extended above 14,000 ft^3/s.

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1994 to September 1998, November 2002 to September 2003. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09128000

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 2002 to September 2003.
WATER TEMPERATURE: October 1996 to September 1998, November 2002 to September 2003.
TURBIDITY: November 2002 to September 2003.

INSTRUMENTATION.--Water temperature sensor and logger, October 1996 to September 1998. Water quality monitor with satellite telemetry, November 2002 to September 2003.

REMARKS.--Daily specific conductance records are excellent, except Apr. 10-16, May 3-12, July 9-25, and Sept. 28-30, which are good. Daily water temperature record is good. Daily turbidity records are good, except Dec. 3-10, Feb. 19 to Mar. 3, May 13-21, and June 19 to Aug. 6, which are fair, and Dec. 27 to Jan. 8, Mar. 31 to Apr. 9, which are poor. Daily maximum turbidity values are not published because of unusually high and erratic readings which are probably not representative of the turbidity of the stream.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 276 microsiemens/cm, Mar. 26, 2003; minimum, 155 microsiemens/cm, May 27, 2003.
WATER TEMPERATURE: Maximum, 13.7°C Sept. 14, 2003; minimum, 1.0°C, Feb. 7, 8, 10, 2003.
TURBIDITY: Maximum, not determined; minimum, 0.1 NTU, Jan. 30, 31, Mar. 11, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 276 microsiemens/cm, Mar. 26; minimum, 155 microsiemens/cm, May 27.
WATER TEMPERATURE: Maximum, 13.7°C, Sept. 14; minimum, 1.0°C, Feb. 7, 8, 10.
TURBIDITY: Maximum, not determined; minimum, 0.1 NTU, Jan. 30, 31, Mar. 11.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
APR					JUN				
09...	1252	267	230	4.8	02...	1440	1,410	171	11.3

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	---	---	---	---	---	---	246	244	245	235	233	234
2	---	---	---	---	---	---	246	245	246	235	232	233
3	---	---	---	---	---	---	246	245	246	234	232	233
4	---	---	---	---	---	---	246	245	246	234	232	233
5	---	---	---	251	248	249	246	245	246	234	232	233
6	---	---	---	239	237	238	246	245	246	233	231	232
7	---	---	---	238	236	237	247	245	246	236	231	232
8	---	---	---	239	237	238	247	245	246	232	230	231
9	---	---	---	239	235	238	247	245	246	231	229	230
10	---	---	---	239	238	239	256	243	247	230	228	229
11	---	---	---	243	238	239	246	244	245	230	228	229
12	---	---	---	239	238	239	246	244	245	230	229	230
13	---	---	---	239	238	239	246	242	244	230	229	230
14	---	---	---	240	238	239	243	238	240	230	228	229
15	---	---	---	245	240	242	238	237	238	230	227	229
16	---	---	---	246	244	245	238	237	238	229	227	229
17	---	---	---	246	244	245	238	237	237	229	228	229
18	---	---	---	246	245	246	238	237	238	230	228	229
19	---	---	---	247	245	246	239	237	238	230	229	230
20	---	---	---	248	246	247	239	236	237	231	230	230
21	---	---	---	250	248	249	237	235	236	231	229	230
22	---	---	---	249	247	248	237	236	236	231	229	230
23	---	---	---	249	247	248	237	235	236	231	228	229
24	---	---	---	248	247	248	236	234	236	230	227	229
25	---	---	---	256	246	248	237	235	236	229	226	228
26	---	---	---	248	246	247	237	236	237	229	227	228
27	---	---	---	248	247	247	238	236	237	229	226	227
28	---	---	---	251	246	248	237	235	236	228	226	227
29	---	---	---	252	244	247	236	234	235	228	226	227
30	---	---	---	246	245	246	235	234	235	229	225	227
31	---	---	---	---	---	---	235	234	235	228	226	227
MONTH	---	---	---	---	---	---	256	234	240	236	225	230

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	228	225	227	238	234	236	248	241	244	---	---	---
2	228	226	227	238	234	236	245	238	242	---	---	---
3	228	225	227	237	232	235	248	239	243	220	215	217
4	228	225	227	236	234	235	250	239	242	220	217	218
5	228	226	227	235	232	234	244	237	240	218	216	217
6	228	225	227	235	231	233	259	241	243	220	216	218
7	228	225	227	234	230	233	241	237	239	221	217	219
8	227	225	226	233	229	231	240	233	236	220	217	218
9	227	225	226	232	228	230	235	229	233	218	214	216
10	228	224	226	231	227	229	233	230	231	218	212	215
11	227	224	226	233	227	230	233	229	231	215	207	211
12	227	224	226	237	233	235	232	229	230	221	205	212
13	227	224	226	241	235	237	233	228	230	219	215	217
14	227	224	226	244	238	240	235	228	232	220	217	218
15	227	224	226	246	240	243	242	232	236	220	218	219
16	227	224	226	255	246	249	242	238	241	221	218	220
17	229	225	227	266	248	255	---	---	---	220	217	219
18	230	227	229	269	259	264	---	---	---	219	215	217
19	231	227	229	271	264	266	---	---	---	217	213	215
20	231	228	230	269	265	267	---	---	---	213	210	211
21	232	228	230	269	264	267	---	---	---	211	204	208
22	235	231	232	270	267	269	---	---	---	205	198	202
23	236	232	234	273	268	270	---	---	---	198	188	193
24	236	233	235	269	267	268	---	---	---	189	175	183
25	237	234	235	274	268	270	---	---	---	175	165	170
26	237	234	236	276	269	271	---	---	---	166	157	161
27	237	234	236	274	265	269	---	---	---	200	155	176
28	237	234	236	269	264	266	---	---	---	202	187	194
29	---	---	---	265	257	261	---	---	---	194	179	185
30	---	---	---	257	252	254	---	---	---	205	186	197
31	---	---	---	252	246	249	---	---	---	206	197	201
MONTH	237	224	229	276	227	249	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	197	175	184	202	201	202	203	201	202	213	210	212
2	181	165	173	204	201	203	203	202	202	214	213	213
3	181	172	176	205	204	204	203	202	202	214	209	211
4	175	171	173	205	204	204	204	202	203	210	209	209
5	172	169	171	206	203	204	205	203	204	210	209	210
6	170	168	169	206	204	205	204	203	203	211	209	210
7	171	168	169	206	204	205	203	202	202	212	210	211
8	175	169	172	212	203	206	203	202	202	213	211	212
9	175	173	174	204	202	203	204	202	203	214	212	213
10	---	---	---	203	202	202	205	203	204	214	212	213
11	---	---	---	205	202	203	204	203	204	218	212	215
12	183	181	182	206	204	205	204	202	203	222	218	219
13	185	183	183	207	204	206	205	203	204	225	221	224
14	185	184	185	207	205	206	206	205	205	226	220	224
15	185	184	185	208	206	207	206	206	206	230	222	226
16	184	183	183	209	207	208	206	205	205	230	224	228
17	183	182	183	209	207	208	206	205	205	230	226	228
18	184	181	182	211	209	210	211	210	206	228	219	223
19	182	181	181	213	210	211	206	205	206	223	219	220
20	183	181	182	213	212	212	207	205	206	223	219	221
21	186	183	184	214	212	213	207	205	206	222	218	220
22	187	184	185	214	213	213	206	205	206	223	217	219
23	193	186	189	215	213	215	206	205	206	219	216	218
24	196	193	195	217	215	216	207	205	206	219	216	218
25	198	196	197	217	202	209	208	207	208	219	216	218
26	199	197	198	202	201	202	209	207	208	219	216	218
27	200	198	199	202	201	202	209	208	208	218	215	217
28	202	200	201	202	201	202	209	207	208	221	215	217
29	201	200	201	203	201	202	209	207	208	220	213	217
30	203	201	202	202	201	202	208	207	208	229	215	222
31	---	---	---	202	201	202	210	208	209	---	---	---
MONTH	---	---	---	217	201	206	211	201	205	230	209	218

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	5.6	5.1	5.3	2.8	2.0	2.4
2	---	---	---	---	---	---	5.3	4.8	5.0	2.3	1.9	2.1
3	---	---	---	---	---	---	5.4	4.8	5.1	2.6	2.0	2.2
4	---	---	---	---	---	---	5.0	4.5	4.7	2.5	2.1	2.3
5	---	---	---	9.5	8.5	8.8	5.1	4.6	4.8	2.8	2.2	2.5
6	---	---	---	9.3	8.4	8.7	4.8	4.4	4.6	2.7	2.2	2.4
7	---	---	---	9.1	8.2	8.6	4.6	4.2	4.4	2.5	2.0	2.2
8	---	---	---	8.8	8.4	8.6	4.7	4.1	4.3	2.2	1.9	2.0
9	---	---	---	8.6	8.2	8.5	4.4	4.0	4.2	2.5	1.8	2.1
10	---	---	---	8.6	8.0	8.2	4.5	3.9	4.1	2.6	2.1	2.3
11	---	---	---	8.3	7.7	8.1	4.1	3.7	3.9	2.6	2.1	2.3
12	---	---	---	7.9	7.4	7.6	4.4	3.8	4.1	2.4	1.9	2.2
13	---	---	---	7.9	7.2	7.5	4.0	3.3	3.8	2.3	1.8	2.0
14	---	---	---	8.2	7.5	7.8	3.3	2.6	3.0	2.4	1.8	2.0
15	---	---	---	7.8	7.0	7.4	3.3	2.6	2.9	2.4	1.9	2.0
16	---	---	---	7.4	6.8	7.1	3.1	2.6	2.8	2.1	1.6	1.8
17	---	---	---	7.4	6.7	7.0	3.0	2.6	2.9	2.3	1.6	1.9
18	---	---	---	7.2	6.6	6.9	3.1	2.6	2.9	2.1	1.4	1.7
19	---	---	---	7.0	6.4	6.6	3.3	2.8	3.0	1.9	1.3	1.6
20	---	---	---	6.9	6.3	6.5	2.8	2.4	2.7	1.9	1.3	1.5
21	---	---	---	6.8	6.3	6.5	2.9	2.3	2.5	2.0	1.3	1.6
22	---	---	---	6.6	6.1	6.3	2.6	2.0	2.3	2.1	1.4	1.7
23	---	---	---	6.5	6.0	6.2	2.3	1.9	2.1	2.2	1.4	1.7
24	---	---	---	6.6	5.9	6.2	2.5	1.9	2.1	2.3	1.4	1.8
25	---	---	---	6.3	5.9	6.1	2.8	2.2	2.4	2.3	1.6	1.9
26	---	---	---	6.1	5.5	5.8	2.7	2.2	2.4	2.0	1.3	1.6
27	---	---	---	5.7	5.2	5.4	2.7	2.0	2.3	2.0	1.3	1.7
28	---	---	---	5.6	5.1	5.3	2.2	1.5	1.9	2.2	1.4	1.8
29	---	---	---	5.5	5.1	5.2	1.9	1.4	1.6	2.1	1.3	1.6
30	---	---	---	5.5	4.9	5.2	2.3	1.7	1.9	2.2	1.3	1.7
31	---	---	---	---	---	---	2.5	1.9	2.1	2.3	1.4	1.8
MONTH	---	---	---	---	---	---	5.6	1.4	3.3	2.8	1.3	1.9
		FEBRUARY			MARCH			APRIL			MAY	
1	2.2	1.5	1.8	3.1	1.7	2.2	4.6	3.1	3.6	6.2	4.8	5.3
2	2.1	1.4	1.8	3.2	1.6	2.2	4.3	3.2	3.6	6.2	5.0	5.5
3	2.0	1.1	1.5	3.3	1.5	2.2	4.0	3.2	3.4	6.5	5.2	5.6
4	2.3	1.2	1.6	2.0	1.8	1.9	4.4	3.2	3.6	6.1	5.1	5.4
5	2.0	1.4	1.7	3.2	1.6	2.2	4.4	3.4	3.7	6.1	5.3	5.6
6	1.9	1.1	1.4	3.3	1.9	2.5	4.4	3.4	3.7	6.7	5.2	5.7
7	1.9	1.0	1.4	3.9	1.9	2.6	4.6	3.4	3.8	6.3	5.2	5.6
8	2.0	1.0	1.4	3.9	1.9	2.6	5.1	3.3	3.9	5.9	5.3	5.6
9	1.9	1.2	1.4	4.1	1.9	2.7	5.5	3.5	4.1	6.8	5.4	5.8
10	2.4	1.0	1.6	4.0	2.1	2.8	5.4	3.7	4.3	6.4	5.4	5.8
11	2.2	1.2	1.6	4.3	2.2	3.0	5.6	3.9	4.4	7.4	5.5	6.2
12	2.5	1.3	1.8	4.7	2.7	3.4	5.3	4.0	4.4	7.8	5.8	6.4
13	2.3	1.8	2.0	5.1	2.8	3.7	5.6	4.0	4.5	7.3	5.8	6.3
14	2.5	1.9	2.1	4.1	3.0	3.5	5.5	3.9	4.4	7.7	6.0	6.5
15	2.7	1.8	2.1	4.7	3.0	3.7	4.5	3.9	4.1	6.9	6.2	6.6
16	2.3	1.6	1.9	4.0	3.2	3.5	5.6	3.8	4.4	7.8	6.4	6.8
17	3.0	1.9	2.3	3.9	3.1	3.5	5.1	3.9	4.3	8.0	6.5	7.0
18	3.0	2.0	2.4	3.8	3.0	3.3	5.1	4.2	4.4	7.3	6.8	6.9
19	3.6	2.1	2.5	3.7	2.8	3.2	5.6	4.2	4.6	8.8	6.8	7.5
20	3.2	2.0	2.5	4.1	2.6	3.2	5.8	4.3	4.8	8.7	7.0	7.5
21	3.3	2.1	2.5	3.9	2.8	3.2	6.0	4.5	5.1	8.8	7.1	7.6
22	2.8	2.0	2.3	4.8	2.5	3.3	5.9	4.8	5.2	9.0	7.3	7.9
23	2.9	1.7	2.1	4.9	2.5	3.4	5.2	4.6	4.9	9.2	7.5	8.2
24	3.0	1.8	2.3	3.8	2.7	3.0	5.6	4.6	4.9	9.1	7.7	8.2
25	2.5	2.0	2.2	4.4	2.7	3.2	6.3	4.6	5.1	9.2	7.9	8.3
26	2.7	1.9	2.2	3.5	2.6	3.0	6.4	4.7	5.2	9.7	7.9	8.5
27	2.8	2.0	2.3	3.7	2.6	3.0	6.2	4.6	5.1	10.0	8.1	8.8
28	2.8	1.8	2.2	3.7	2.7	3.0	6.0	4.7	5.2	10.0	8.2	8.9
29	---	---	---	4.0	2.7	3.1	6.0	4.8	5.1	9.8	8.5	8.9
30	---	---	---	4.6	2.8	3.4	6.0	4.8	5.2	9.6	8.4	8.8
31	---	---	---	4.8	3.0	3.4	---	---	---	9.5	8.5	8.9
MONTH	3.6	1.0	2.0	5.1	1.5	3.0	6.4	3.1	4.4	10.0	4.8	7.0

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, 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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.9	9.0	9.3	11.2	10.2	10.5	11.8	11.1	11.3	13.1	12.2	12.5
2	10.2	9.2	9.6	11.1	10.1	10.5	11.9	11.1	11.3	13.3	12.3	12.6
3	10.2	9.4	9.7	11.2	10.2	10.5	11.9	11.1	11.3	13.2	12.4	12.6
4	10.5	9.4	9.8	11.2	10.2	10.5	12.0	11.1	11.5	13.2	12.4	12.6
5	10.5	9.4	9.9	11.2	10.2	10.5	12.3	11.3	11.6	13.2	12.4	12.6
6	---	9.3	---	11.1	10.2	10.5	12.1	11.3	11.6	13.2	12.5	12.6
7	---	9.5	---	11.1	10.2	10.5	11.9	11.1	11.3	13.2	12.4	12.6
8	---	9.4	---	11.2	10.2	10.5	12.0	11.1	11.4	13.3	12.4	12.7
9	---	9.7	---	11.2	10.3	10.6	12.2	11.2	11.5	12.6	12.4	12.5
10	---	---	---	11.3	10.3	10.7	12.1	11.3	11.6	12.9	12.5	12.6
11	---	---	---	11.3	10.3	10.7	12.3	11.4	11.7	13.0	12.2	12.5
12	---	---	---	11.2	10.3	10.7	12.2	11.4	11.7	13.5	12.2	12.6
13	10.9	9.7	10.1	11.2	10.3	10.6	12.3	11.4	11.7	13.3	12.3	12.6
14	11.4	9.7	10.3	11.2	10.4	10.7	12.4	11.5	11.8	13.7	12.3	12.7
15	11.4	9.7	10.3	11.1	10.5	10.7	12.1	11.6	11.8	13.6	12.3	12.7
16	10.7	9.9	10.2	11.3	10.5	10.7	12.3	11.6	11.8	13.4	12.4	12.7
17	11.4	10.0	10.3	11.2	10.4	10.7	12.3	11.6	11.8	13.0	12.1	12.5
18	11.3	10.0	10.4	11.2	10.4	10.7	12.1	11.6	11.8	13.5	12.1	12.6
19	11.3	10.0	10.4	11.3	10.4	10.7	12.6	11.6	11.9	13.6	12.3	12.7
20	11.2	10.1	10.4	11.4	10.5	10.8	12.6	11.6	11.9	13.4	12.3	12.6
21	11.3	10.0	10.5	11.4	10.6	10.9	12.6	11.7	12.0	13.4	12.2	12.5
22	11.5	10.1	10.5	11.5	10.6	10.9	12.5	11.8	12.0	13.5	12.2	12.6
23	11.3	10.1	10.5	11.4	10.7	10.9	12.7	11.9	12.1	13.6	12.2	12.5
24	11.4	10.1	10.5	11.6	10.7	10.9	12.7	11.9	12.2	13.5	12.1	12.5
25	11.7	10.2	10.7	11.5	10.7	10.9	12.9	12.1	12.3	13.4	12.1	12.5
26	11.6	10.2	10.6	11.5	10.7	10.9	13.0	12.1	12.4	13.3	12.1	12.5
27	11.3	10.2	10.6	11.7	10.8	11.1	12.9	12.2	12.4	13.4	12.1	12.5
28	11.3	10.2	10.6	11.7	10.8	11.1	12.7	12.3	12.4	13.4	12.2	12.5
29	11.3	10.2	10.6	11.9	10.9	11.2	13.0	12.2	12.4	13.4	12.2	12.5
30	11.3	10.2	10.6	11.8	10.9	11.2	13.0	12.2	12.4	13.4	12.2	12.5
31	---	---	---	11.8	10.9	11.2	13.0	12.2	12.4	---	---	---
MONTH	---	---	---	11.9	10.1	10.8	13.0	11.1	11.8	13.7	12.1	12.6

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MIN	MEDIAN	MIN	MEDIAN	MIN	MEDIAN	MIN	MEDIAN	MIN	MEDIAN	MIN	MEDIAN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	1.2	1.5	0.9	1.9	0.2	0.4	2.1	10
2	---	---	---	---	1.1	1.5	0.9	2.9	0.3	0.6	0.7	3.6
3	---	---	---	---	1.2	1.7	0.7	2.3	0.3	0.5	0.3	0.9
4	---	---	---	---	1.3	1.8	0.7	2.1	0.3	0.5	0.7	0.9
5	---	---	1.1	1.7	1.2	2.0	0.7	2.4	0.3	0.5	0.6	0.8
6	---	---	1.0	1.6	1.3	2.9	0.6	2.8	0.3	0.5	0.5	0.8
7	---	---	0.9	1.4	1.1	1.6	0.7	2.3	0.4	0.5	0.4	0.7
8	---	---	0.9	1.4	1.3	2.0	0.6	1.2	0.4	0.6	0.3	0.6
9	---	---	1.2	1.7	1.4	2.0	0.5	0.7	0.5	0.8	0.3	0.5
10	---	---	1.0	1.4	0.7	1.7	0.5	0.7	0.6	0.8	0.2	0.4
11	---	---	0.8	1.5	0.8	1.0	0.5	0.7	0.6	0.8	0.1	0.4
12	---	---	0.9	1.4	0.7	1.2	0.5	0.6	0.6	0.8	0.3	0.5
13	---	---	1.1	1.7	0.9	1.2	0.5	0.6	0.5	0.7	0.2	0.6
14	---	---	1.2	1.7	0.8	1.3	0.5	0.7	0.5	0.7	0.7	1.0
15	---	---	1.3	2.0	1.1	1.6	0.5	0.6	0.6	0.9	2.0	2.8
16	---	---	2.1	2.9	1.2	1.7	0.5	0.6	0.9	1.1	4.1	6.9
17	---	---	2.3	2.8	1.3	1.8	0.5	0.6	1.0	1.2	5.6	9.9
18	---	---	2.0	2.7	1.4	1.9	0.5	0.6	0.9	1.5	11	14
19	---	---	1.9	2.5	1.8	2.1	0.4	0.6	1.3	1.7	12	14
20	---	---	1.6	2.4	1.5	2.4	0.4	0.6	1.3	1.6	9.1	14
21	---	---	1.9	2.4	2.0	2.5	0.4	0.6	1.7	2.9	8.9	14
22	---	---	1.5	2.2	1.5	3.2	0.5	0.6	1.7	3.9	13	15
23	---	---	1.6	2.1	1.4	2.3	0.4	0.7	2.0	6.3	12	16
24	---	---	1.4	1.9	1.2	2.3	0.3	0.6	2.1	11	12	14
25	---	---	1.5	2.0	1.9	2.6	0.2	0.5	10	17	12	14
26	---	---	1.3	1.7	1.3	1.9	0.3	0.4	12	50	8.8	12
27	---	---	1.1	1.6	1.3	2.0	0.2	0.4	35	120	7.0	9.7
28	---	---	1.1	1.6	0.8	2.2	0.3	0.4	8.8	83	6.1	7.4
29	---	---	1.2	1.6	0.8	1.9	0.2	0.4	---	---	4.7	5.8
30	---	---	1.0	1.6	0.6	1.8	0.1	0.3	---	---	4.3	5.2
31	---	---	---	---	0.8	1.9	0.1	0.3	---	---	4.0	13
MAX	---	---	---	---	2.0	3.2	0.9	2.9	35	120	13	16
MIN	---	---	---	---	0.6	1.0	0.1	0.3	0.2	0.4	0.1	0.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.6	9.0	---	---	21	55	1.5	1.9	1.0	1.8	4.3	6.8
2	5.5	13	---	---	30	66	1.0	1.5	1.1	1.7	5.5	6.6
3	3.3	17	5.3	6.6	22	27	0.8	1.2	1.3	1.7	3.7	4.8
4	3.3	23	5.1	6.3	15	20	0.8	1.3	1.4	1.8	2.9	3.5
5	4.2	12	4.2	5.2	13	15	0.9	1.5	1.2	1.6	2.3	2.8
6	8.0	85	3.7	4.6	13	15	0.8	1.5	1.4	2.0	2.0	2.6
7	3.5	78	3.1	3.9	12	14	0.8	1.3	2.0	2.3	2.1	2.6
8	2.1	3.1	3.2	3.8	9.5	12	0.6	1.1	1.9	2.3	2.0	2.4
9	2.0	3.0	---	---	---	---	0.5	1.9	1.8	2.2	1.6	2.3
10	2.4	2.9	---	---	---	---	0.4	0.7	1.7	2.2	1.8	2.3
11	2.4	3.1	---	---	---	---	0.4	0.9	1.8	2.3	2.0	2.6
12	2.7	3.1	---	---	---	---	0.7	1.0	1.9	2.2	8.7	11
13	2.6	3.1	1.8	2.2	7.6	8.5	0.8	1.2	1.9	2.2	17	23
14	2.8	3.2	1.3	1.9	6.8	7.5	1.0	1.4	2.0	2.4	14	22
15	3.5	5.8	1.6	2.0	6.5	7.2	0.9	1.4	2.3	2.7	14	21
16	---	---	1.5	2.1	6.1	6.6	1.1	1.6	2.1	2.5	11	14
17	---	---	1.7	3.1	5.5	6.2	1.3	2.8	2.0	2.5	7.4	8.8
18	---	---	2.5	4.1	5.5	6.1	1.8	16	2.0	2.6	3.8	5.1
19	---	---	4.6	15	5.0	5.6	1.5	2.4	1.8	2.3	3.4	4.3
20	---	---	2.2	2.9	4.3	5.1	1.2	2.3	1.9	2.3	2.7	3.7
21	---	---	2.0	3.4	3.9	4.6	2.7	4.6	2.0	2.4	2.2	2.9
22	---	---	2.0	2.9	3.8	4.5	4.2	6.9	1.7	2.3	1.7	2.3
23	---	---	2.8	3.7	3.3	4.0	1.2	2.8	1.9	2.2	1.7	2.1
24	---	---	3.4	4.2	2.8	3.8	1.4	1.7	1.9	2.2	1.2	2.0
25	---	---	2.8	3.4	2.8	3.4	0.8	1.9	2.4	4.5	1.3	1.9
26	---	---	2.7	3.5	2.6	3.0	0.8	1.2	4.3	5.1	1.3	1.8
27	---	---	3.1	4.3	2.3	2.8	0.8	1.1	3.2	4.2	1.4	1.8
28	---	---	4.7	6.2	1.8	2.3	0.7	1.2	2.4	3.1	1.0	1.8
29	---	---	4.0	6.0	1.3	1.7	1.2	1.5	2.3	2.7	1.6	1.9
30	---	---	4.3	5.7	1.4	1.7	1.0	1.4	2.0	2.4	1.3	2.0
31	---	---	3.8	8.7	---	---	1.0	1.5	2.0	2.5	---	---
MAX	---	---	---	---	---	---	4.2	16	4.3	5.1	17	23
MIN	---	---	---	---	---	---	0.4	0.7	1.0	1.6	1.0	1.8

09131495 PAONIA RESERVOIR NEAR BARDINE, CO

LOCATION.--Lat 38°56'39", long 107°21'06", in NE$^1/_4$ sec.8, T.13 S., R.89 W., Gunnison County, Hydrologic Unit 14020004, in gate house of Paonia Dam on Muddy Creek, 16 mi east of Paonia.

DRAINAGE AREA.--246 mi^2.

PERIOD OF RECORD.--December 1961 to current year. Monthend active contents provided by U.S. Bureau of Reclamation from December 1961 to September 1987. Extremes for period of record are subsequent to 1987. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09131495

REVISED RECORD.--WDR CO-92-2; 1988-91.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,447.50 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. Storage began in December 1961; dam completed January 1962. Capacity, 20,950 acre-ft 1966 survey, between elevation 6,290.0 ft streambed at dam, and 6,447.5 ft, crest of spillway. Dead storage below elevation 6,358.0 ft, 2,440 acre-ft. Inactive storage below elevation 6360.0 ft, 2,620 acre-ft. Figures published prior to 1988 water year are active contents; figures given beginning 1988 water year are live contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 17,460 acre-ft, June 6, 1995, elevation 6,449.76 ft; minimum contents, 117 acre-ft, Apr. 14, 1996, elevation 6,360.72 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 16,970 acre-ft, May 28, elevation, 6,448.29 ft; minimum daily mean contents, 1,090 acre-ft, Sept. 5,6, mean elevation, 6,377.36 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	6,384.57	1,780	-
Oct. 31	6,391.23	2,680	+900
Nov. 30	6,397.27	3,650	+970
Dec. 31	6,401.32	4,360	+710
CAL YR 2002	-	-	+1,740
Jan. 31	6,405.01	5,070	+710
Feb. 28	6,409.49	6,020	+950
Mar. 31	6,417.88	8,020	+2,000
Apr. 30	6,425.61	10,060	+2,040
May 31	6,448.12	16,910	+6,850
June 30	6,447.77	16,790	-120
July 31	6,432.55	12,040	-4,750
Aug. 31	6,385.64	1,910	-10,130
Sept. 30	6,382.18	1,520	-390
WTR YR 2003	-	-	-260

09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO

LOCATION.--Lat 38°55'33", long 107°26'01", in SE¼SW¼ sec.10, T.13 S., R.90 W., Gunnison County, Hydrologic Unit 14020004, on left bank 2.3 mi east of Somerset and 4.8 mi upstream from Hubbard Creek.

DRAINAGE AREA.--526 mi^2.

PERIOD OF RECORD.--October 1933 to current year. Monthly discharge only for some periods, 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=09132500

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-77-2: 1976.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1982, at various sites 0.8 mi downstream, at different datums. See WDR CO-81-2, for history of changes.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by small diversions for irrigation in nearby drainage areas, irrigation of about 3,000 acres upstream from station, storage in Overland Reservoir (capacity, 6,280 acre-ft), and storage in Paonia Reservoir (capacity, 18,300 acre-ft), since February 1962. 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	96	60	e72	e45	e41	e41	150	818	2,690	426	228	207
2	91	64	e71	e40	e43	e39	190	773	2,470	405	228	162
3	99	56	e63	e45	e43	e38	201	782	2,070	381	229	60
4	95	54	e52	e46	e38	e46	189	814	1,830	356	220	59
5	91	54	e64	e44	e41	e43	173	711	1,620	e327	217	59
6	88	46	e53	e40	e40	e47	162	632	1,380	e311	215	72
7	85	50	e48	e43	e34	e47	150	614	1,200	e289	211	94
8	86	58	e42	e42	e35	e51	141	589	1,110	e267	211	100
9	84	85	e37	e42	e40	67	153	570	1,110	e258	207	112
10	81	76	e26	e46	e42	77	206	563	1,110	257	212	269
11	75	66	e32	e46	e40	90	290	548	1,150	266	217	209
12	71	52	e46	e45	e43	119	339	650	1,110	248	214	166
13	69	e59	e51	e40	e50	140	410	e845	1,040	237	228	185
14	66	61	e49	e45	e54	155	595	e1,100	958	242	220	166
15	62	57	e45	e44	e56	158	534	e1,480	963	243	206	144
16	59	50	e49	e37	e51	169	490	e1,760	958	257	216	130
17	56	e53	e51	e43	e47	163	499	e2,180	862	280	215	119
18	55	71	e50	e39	e44	150	484	e2,550	833	287	203	110
19	53	61	e39	e45	e42	140	429	e3,150	797	278	205	104
20	53	e73	e38	e46	e38	132	430	e2,930	764	264	211	96
21	51	e76	e46	e46	e44	136	485	e2,930	698	255	222	90
22	49	e75	e41	e46	e45	138	610	e2,810	676	252	230	85
23	59	e73	e35	e43	e44	154	679	e2,760	639	251	241	82
24	62	e68	e39	e43	e39	177	578	e2,970	590	253	225	78
25	59	e63	e42	e45	e44	165	585	e2,900	518	237	219	75
26	57	e56	e38	e43	e45	161	731	2,630	496	247	218	72
27	61	e44	e38	e42	e44	160	860	2,640	485	256	215	70
28	58	e38	e38	e42	e46	139	947	3,210	478	247	213	69
29	60	e57	e43	e40	---	126	997	3,070	468	246	214	67
30	56	e65	e43	e37	---	123	893	3,060	447	223	219	65
31	60	---	e39	e42	---	123	---	2,640	---	224	214	---
TOTAL	2,147	1,821	1,420	1,332	1,213	3,514	13,580	55,679	31,520	8,570	6,743	3,376
MEAN	69.3	60.7	45.8	43.0	43.3	113	453	1,796	1,051	276	218	113
MAX	99	85	72	46	56	177	997	3,210	2,690	426	241	269
MIN	49	38	26	37	34	38	141	548	447	223	203	59
AC-FT	4,260	3,610	2,820	2,640	2,410	6,970	26,940	110,400	62,520	17,000	13,370	6,700

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

MEAN	119	92.9	75.7	64.5	69.8	153	716	1,905	1,451	446	199	151
MAX	466	318	271	166	180	721	1,736	3,993	4,095	1,834	438	319
(WY)	(1987)	(1987)	(1966)	(1966)	(1986)	(1986)	(1986)	(1984)	(1957)	(1995)	(1957)	(1986)
MIN	47.9	35.2	33.1	29.6	30.4	40.2	166	314	179	64.6	48.1	47.6
(WY)	(1957)	(1990)	(1978)	(1990)	(1978)	(1964)	(1977)	(1977)	(1934)	(1934)	(1977)	(1934)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1934 - 2003	
ANNUAL TOTAL	59,054		130,915			
ANNUAL MEAN	162		359		455	
HIGHEST ANNUAL MEAN					829	1984
LOWEST ANNUAL MEAN					114	1977
HIGHEST DAILY MEAN	654	May 31	3,210	May 28	7,080	May 24, 1984
LOWEST DAILY MEAN	e26	Dec 10	e26	Dec 10	17	Nov 10, 1950
ANNUAL SEVEN-DAY MINIMUM	35	Sep 1	39	Feb 4	25	Feb 17, 1978
MAXIMUM PEAK FLOW			a3,710	May 28	9,220	May 24, 1984
MAXIMUM PEAK STAGE			a5.15	May 28	b8.20	May 24, 1984
ANNUAL RUNOFF (AC-FT)	117,100		259,700		329,500	
10 PERCENT EXCEEDS	439		915		1,480	
50 PERCENT EXCEEDS	64		119		135	
90 PERCENT EXCEEDS	41		42		52	

e Estimated.
a Maximum recorded, may have been higher during estimated period, May 13-25.
b From outside high-water mark.

09132940 HUBBARD CREEK ABOVE IRON POINT GULCH NEAR BOWIE, CO

LOCATION.--Lat 38°58'57", long 107°31'52", in SE¼SE¼ sec.27, T.12 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 0.4 mi upstream from Iron Point Gulch, and 4.2 mi northeast of Bowie.

DRAINAGE AREA.--48.4 mi^2.

PERIOD OF RECORD.--August 2001 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=09132940

GAGE.--Water-stage recorder. Elevation of gage is 6,600 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No known diversions upstream from station. 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 (seasonal only).--Maximum discharge, 30 ft^3/s, Sept. 6, 2003, gage height, 2.10 ft; minimum daily, 0.05 ft^3/s, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 30 ft^3/s, Sept. 6, gage height, 2.10 ft; minimum daily, 0.79 ft^3/s, Sept. 27.

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	3.1	3.7	---	---	---	---	---	---	---	1.8	2.7	2.0
2	2.4	4.1	---	---	---	---	---	---	---	1.7	3.0	1.6
3	3.8	---	---	---	---	---	---	---	---	1.6	4.2	1.7
4	3.6	---	---	---	---	---	---	---	---	1.5	2.8	2.3
5	2.9	---	---	---	---	---	---	---	---	1.5	2.7	3.2
6	3.0	---	---	---	---	---	---	---	---	1.5	2.4	19
7	3.6	---	---	---	---	---	---	---	---	1.4	2.3	13
8	3.5	---	---	---	---	---	---	---	---	1.3	2.9	5.0
9	3.0	---	---	---	---	---	---	---	---	1.2	2.7	3.8
10	2.7	---	---	---	---	---	---	---	e12	1.2	2.5	21
11	2.5	---	---	---	---	---	---	---	e9.8	1.1	2.5	16
12	2.3	---	---	---	---	---	---	---	e7.8	1.0	2.7	8.5
13	2.1	---	---	---	---	---	---	---	e6.6	1.1	e2.6	5.3
14	1.8	---	---	---	---	---	---	---	e5.8	1.2	e6.9	3.2
15	1.8	---	---	---	---	---	---	---	e4.5	1.2	e4.0	2.4
16	1.7	---	---	---	---	---	---	---	e3.6	1.2	e4.3	2.0
17	1.7	---	---	---	---	---	---	---	e3.4	1.2	e5.3	1.8
18	1.7	---	---	---	---	---	---	---	e3.0	1.1	e3.0	1.4
19	1.7	---	---	---	---	---	---	---	e3.2	1.4	e1.8	1.3
20	1.6	---	---	---	---	---	---	---	e3.1	2.1	e1.2	1.4
21	1.5	---	---	---	---	---	---	---	e3.1	1.9	e1.1	1.3
22	1.6	---	---	---	---	---	---	---	e2.9	1.8	e1.0	1.2
23	3.1	---	---	---	---	---	---	---	e2.6	2.0	e1.1	1.2
24	4.3	---	---	---	---	---	---	---	e2.5	2.1	1.1	1.1
25	3.5	---	---	---	---	---	---	---	e2.4	2.0	1.6	0.88
26	3.2	---	---	---	---	---	---	---	e2.4	2.9	2.2	0.85
27	3.9	---	---	---	---	---	---	---	e2.3	2.7	2.9	0.79
28	3.7	---	---	---	---	---	---	---	e2.1	2.1	2.8	0.84
29	3.8	---	---	---	---	---	---	---	e2.2	2.0	2.2	0.81
30	3.3	---	---	---	---	---	---	---	e2.3	2.0	2.1	0.83
31	3.6	---	---	---	---	---	---	---	---	2.5	2.3	---
TOTAL	86.0	---	---	---	---	---	---	---	---	51.3	82.9	125.70
MEAN	2.77	---	---	---	---	---	---	---	---	1.65	2.67	4.19
MAX	4.3	---	---	---	---	---	---	---	---	2.9	6.9	21
MIN	1.5	---	---	---	---	---	---	---	---	1.0	1.0	0.79
AC-FT	171	---	---	---	---	---	---	---	---	102	164	249

e Estimated.

09132960 HUBBARD CREEK AT HIGHWAY 133 AT MOUTH NEAR BOWIE, CO

LOCATION.--Lat 38°55'32", long 107°31'04", in NE¼NE¼ sec.14, T.13 S., R.91 W., Delta County, Hydrologic Unit 14020004, on left bank at upstream side of bridge on State Highway 133, 100 ft upstream from mouth, and 1.3 mi northeast of Bowie.

DRAINAGE AREA.--57.7 mi^2.

PERIOD OF RECORD.--October 2001 to current year. Water-quality data available, May 1999 to March 2000, published as 385532107310501 Hubbard Creek at mouth near Bowie, CO. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132960

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,880 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except May 7 to June 4, which are fair, and estimated daily discharges, which are poor. Diversions upstream from station for irrigation. Most of the flow is diverted during irrigation season. 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	2.2	1.7	0.23	0.23	0.30	e0.11	18	73	144	0.26	0.38	0.13
2	1.4	2.3	e0.20	0.25	0.31	e0.12	22	69	120	0.26	0.20	0.09
3	2.7	1.1	0.29	0.24	0.41	e0.10	19	75	87	0.24	1.2	0.08
4	3.1	0.69	e0.23	0.22	e0.14	e0.09	13	89	68	0.26	0.42	0.12
5	2.0	0.98	0.29	0.21	e0.13	e0.10	11	83	57	0.25	0.33	0.49
6	2.0	0.88	e0.17	0.22	e0.11	e0.20	10	79	35	0.25	0.24	14
7	2.6	0.89	e0.16	0.23	e0.09	0.94	8.7	86	22	0.25	0.19	10
8	2.6	1.4	e0.16	0.25	e0.08	1.5	8.7	89	18	0.25	0.34	2.7
9	1.7	4.8	e0.15	0.25	e0.09	2.1	16	99	17	0.26	0.34	1.5
10	0.90	2.7	e0.15	0.22	e0.10	2.0	37	100	14	0.24	0.28	16
11	0.68	2.1	e0.14	0.23	e0.12	2.7	61	81	11	0.23	0.32	15
12	0.52	1.2	0.21	0.24	0.38	4.9	83	89	8.5	0.20	0.29	5.4
13	0.32	1.7	0.22	0.28	e0.20	6.4	104	104	7.3	0.17	0.42	e3.8
14	0.22	1.3	e0.13	0.30	e0.21	8.8	126	109	6.4	0.17	3.7	e2.5
15	0.19	1.2	0.22	0.25	e0.20	8.3	116	138	4.7	0.16	0.88	e1.7
16	0.18	1.4	e0.12	e0.11	e0.19	9.5	76	135	4.0	0.16	1.4	e1.4
17	0.17	1.6	e0.11	0.27	0.49	8.9	78	140	3.8	0.16	2.3	e0.99
18	0.18	1.3	e0.12	e0.11	0.41	6.4	66	225	3.4	0.14	0.90	e0.65
19	0.19	1.2	e0.13	e0.12	e0.14	5.3	53	219	3.6	0.13	0.35	e0.65
20	0.19	1.2	e0.14	e0.13	e0.14	5.2	49	156	3.6	0.16	0.15	e0.60
21	0.19	1.1	e0.13	e0.11	e0.13	6.3	58	146	2.9	0.17	0.09	e0.53
22	0.20	1.1	e0.13	0.27	e0.12	7.3	86	139	1.8	0.15	0.09	e0.48
23	0.89	1.1	e0.14	0.22	e0.13	12	82	137	1.6	0.15	0.09	e0.39
24	2.0	1.1	0.27	0.23	e0.14	15	58	123	0.80	0.17	0.08	e0.25
25	1.8	1.0	0.25	0.26	0.45	13	87	121	0.27	0.12	0.08	e0.30
26	1.1	e0.80	0.27	0.32	0.46	12	133	116	0.25	0.30	0.13	e0.29
27	2.1	e0.50	0.24	e0.09	0.38	12	150	119	0.25	0.75	0.16	e0.27
28	2.0	e0.30	0.25	0.29	0.39	7.9	138	133	0.24	0.22	0.35	e0.27
29	2.1	e0.20	0.24	e0.09	---	6.6	112	138	0.27	0.15	0.16	e0.27
30	1.3	e0.40	0.25	e0.10	---	7.4	86	141	0.27	0.15	0.14	e0.34
31	1.6	---	0.26	e0.11	---	7.8	---	132	---	0.14	0.16	---
TOTAL	39.32	39.24	6.00	6.45	6.44	180.96	1,965.4	3,683	646.95	6.67	16.16	81.19
MEAN	1.27	1.31	0.19	0.21	0.23	5.84	65.5	119	21.6	0.22	0.52	2.71
MAX	3.1	4.8	0.29	0.32	0.49	15	150	225	144	0.75	3.7	16
MIN	0.17	0.20	0.11	0.09	0.08	0.09	8.7	69	0.24	0.12	0.08	0.08
AC-FT	78	78	12	13	13	359	3,900	7,310	1,280	13	32	161

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	0.68	0.96	0.49	0.55	0.52	4.14	49.0	60.6	10.8	0.13	0.27	1.50
MAX	1.27	1.31	0.78	0.89	0.81	5.84	65.5	119	21.6	0.22	0.52	2.71
(WY)	(2003)	(2003)	(2002)	(2002)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	0.083	0.61	0.19	0.21	0.23	2.43	32.4	2.32	0.055	0.052	0.011	0.29
(WY)	(2002)	(2002)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	1,266.51		6,677.78			
ANNUAL MEAN	3.47		18.3		10.8	
HIGHEST ANNUAL MEAN					18.3	2003
LOWEST ANNUAL MEAN					3.36	2002
HIGHEST DAILY MEAN	58	Apr 11	225	May 18	225	May 18, 2003
LOWEST DAILY MEAN	0.00	Aug 17	e0.08	Feb 8	a0.00	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 22	0.10	Aug 20	0.00	Aug 22, 2002
MAXIMUM PEAK FLOW			355	May 18	355	May 18, 2003
MAXIMUM PEAK STAGE			3.18	May 18	3.18	May 18, 2003
ANNUAL RUNOFF (AC-FT)	2,510		13,250		7,840	
10 PERCENT EXCEEDS	5.3		86		28	
50 PERCENT EXCEEDS	0.70		0.49		0.63	
90 PERCENT EXCEEDS	0.03		0.13		0.05	

e Estimated.
a Also occurred Aug 18, 19, Aug 22 to Sep 6, 2002.

09132985 EAST FORK TERROR CREEK BELOW COTTONWOOD STOMP NEAR BOWIE, CO

LOCATION.--Lat 38°57'53", long 107°33'59", in NW¼SW¼ sec.33, T.12 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 200 ft downstream from culvert crossing, 0.6 mi downstream from Cottonwood Stomp, and 3.2 mi northwest of Bowie.

DRAINAGE AREA.--4.76 mi^2.

PERIOD OF RECORD.--August 2001 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=09132985

GAGE.--Water-stage recorder. Elevation of gage is 7,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions upstream from station. Flow partially regulated by Terror Creek Reservoir 1.4 mi upstream from station on unnamed tributary. 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 (seasonal only).--Maximum discharge, 8.3 ft^3/s, July 3, 2003, gage height, 0.95 ft; minimum daily, 0.14 ft^3/s, Sept. 26, 27, 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period of operation, 8.3 ft^3/s, July 3, gage height, 0.95 ft; minimum daily, 0.14 ft^3/s, Sept. 26, 27.

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	0.96	0.41	---	---	---	---	---	---	---	5.1	4.1	e2.1
2	1.0	0.39	---	---	---	---	---	---	---	6.2	3.9	e2.0
3	1.2	---	---	---	---	---	---	---	---	7.4	4.0	e2.1
4	1.1	---	---	---	---	---	---	---	---	7.4	4.0	e2.1
5	1.1	---	---	---	---	---	---	---	e1.4	7.3	3.8	e2.3
6	1.0	---	---	---	---	---	---	---	1.3	7.1	3.1	e2.4
7	1.1	---	---	---	---	---	---	---	1.4	6.9	2.9	e2.1
8	1.1	---	---	---	---	---	---	---	1.6	7.1	2.8	e2.0
9	1.1	---	---	---	---	---	---	---	1.5	7.1	2.8	e2.2
10	1.1	---	---	---	---	---	---	---	1.6	6.8	2.7	e2.7
11	1.0	---	---	---	---	---	---	---	1.5	6.5	2.6	e2.6
12	1.0	---	---	---	---	---	---	---	1.4	6.1	2.5	e1.8
13	1.0	---	---	---	---	---	---	---	1.4	5.8	e2.9	e0.80
14	1.0	---	---	---	---	---	---	---	1.3	5.6	e3.2	e0.55
15	0.99	---	---	---	---	---	---	---	1.4	5.8	e3.0	e0.42
16	0.94	---	---	---	---	---	---	---	2.8	6.0	e2.9	0.31
17	0.88	---	---	---	---	---	---	---	3.0	5.9	e2.9	0.24
18	0.85	---	---	---	---	---	---	---	3.2	5.9	e2.8	0.22
19	0.66	---	---	---	---	---	---	---	3.7	5.8	e2.7	0.22
20	0.42	---	---	---	---	---	---	---	4.4	5.6	e2.7	0.20
21	0.36	---	---	---	---	---	---	---	4.1	5.6	e2.6	0.17
22	0.28	---	---	---	---	---	---	---	4.3	5.7	e2.5	0.17
23	0.34	---	---	---	---	---	---	---	4.2	5.5	e2.6	0.16
24	0.37	---	---	---	---	---	---	---	4.2	5.3	e2.7	0.15
25	0.36	---	---	---	---	---	---	---	4.2	5.3	e2.4	0.15
26	0.36	---	---	---	---	---	---	---	4.3	5.2	e2.3	0.14
27	0.42	---	---	---	---	---	---	---	4.3	5.1	e2.2	0.14
28	0.42	---	---	---	---	---	---	---	4.6	4.3	e2.1	0.15
29	0.37	---	---	---	---	---	---	---	5.2	4.1	e2.1	0.15
30	0.35	---	---	---	---	---	---	---	5.2	3.8	e2.1	0.16
31	0.37	---	---	---	---	---	---	---	---	4.0	e2.2	---
TOTAL	23.50	---	---	---	---	---	---	---	---	181.3	88.1	30.90
MEAN	0.76	---	---	---	---	---	---	---	---	5.85	2.84	1.03
MAX	1.2	---	---	---	---	---	---	---	---	7.4	4.1	2.7
MIN	0.28	---	---	---	---	---	---	---	---	3.8	2.1	0.14
AC-FT	47	---	---	---	---	---	---	---	---	360	175	61

e Estimated.

09132995 TERROR CREEK AT MOUTH NEAR BOWIE, CO

LOCATION.--Lat 38°54'14", long 107°33'41", in NW¼SE¼ sec.21, T.13 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right downstream end of box culvert, 450 ft upstream from mouth, and 1.6 mi southwest of Bowie.

DRAINAGE AREA.--29.5 mi^2.

PERIOD OF RECORD.--June 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132995

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,740 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station 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.

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	0.02	0.17	e0.17	0.12	0.07	0.46	12	67	37	0.37	0.10	0.07
2	0.03	0.20	e0.09	0.10	e0.06	0.46	14	79	23	0.24	0.10	0.09
3	0.11	0.20	e0.07	0.13	e0.06	0.41	10	110	22	0.83	0.13	0.07
4	0.05	0.17	0.07	0.13	e0.06	0.46	7.0	101	3.5	1.2	0.12	0.10
5	0.04	0.16	0.03	0.11	e0.05	0.64	6.0	59	1.3	1.1	0.14	0.11
6	0.04	0.15	0.03	0.10	e0.05	0.72	5.5	58	0.81	0.87	0.11	0.68
7	0.04	0.10	0.02	0.09	e0.05	0.53	4.2	59	0.61	0.44	0.12	0.22
8	0.04	0.04	0.02	0.09	e0.04	0.64	2.5	52	1.3	0.42	0.15	0.10
9	0.04	0.23	0.02	0.11	e0.05	1.0	6.2	48	1.4	0.48	0.17	0.09
10	0.04	0.05	0.02	0.12	e0.08	1.5	24	51	5.3	0.28	0.13	1.5
11	0.03	0.32	0.02	e0.06	e0.12	2.1	54	39	3.8	0.24	0.19	1.4
12	0.03	0.44	0.02	e0.06	e0.16	4.2	74	82	2.3	0.19	0.29	0.44
13	0.03	0.70	0.02	0.14	0.31	6.3	100	114	1.5	0.17	0.33	0.14
14	0.04	0.63	0.02	0.14	e0.50	7.5	128	130	1.1	0.15	0.34	0.02
15	0.03	0.61	0.02	0.16	e0.60	7.4	97	166	1.00	0.15	0.31	0.02
16	0.03	0.49	0.02	e0.06	e0.60	6.4	49	151	0.99	0.20	0.33	0.01
17	0.03	0.65	e0.01	0.13	0.59	4.8	50	159	0.79	0.18	0.34	0.01
18	0.03	0.57	0.04	e0.05	0.54	3.7	30	206	0.56	0.19	0.36	0.01
19	0.03	0.68	0.03	0.14	0.51	3.3	21	224	0.64	0.21	0.34	0.01
20	0.03	0.69	e0.02	e0.06	e0.40	2.8	18	200	0.92	0.21	0.31	0.01
21	0.02	0.66	e0.03	e0.08	e0.40	2.8	21	195	0.57	0.18	0.27	0.01
22	0.02	0.79	e0.02	0.12	0.44	4.0	37	188	0.70	0.19	0.30	0.01
23	0.08	0.98	e0.03	0.10	0.56	7.9	36	175	0.72	36	0.32	0.00
24	0.09	0.96	e0.05	e0.07	e0.60	11	24	124	0.48	0.40	0.29	0.00
25	0.09	0.85	0.17	e0.06	0.53	8.5	59	94	0.43	0.29	0.31	0.00
26	0.07	0.55	0.14	e0.05	0.50	8.7	123	73	0.31	0.15	0.25	0.00
27	0.28	0.69	0.12	0.06	0.48	7.8	143	53	0.36	0.13	0.18	0.00
28	0.28	e0.60	0.14	0.07	0.46	5.8	144	51	0.40	0.13	0.07	0.00
29	0.27	e0.50	0.16	0.07	---	5.6	106	46	0.40	0.12	0.07	0.00
30	0.19	e0.25	0.12	0.06	---	5.9	66	44	0.37	0.14	0.07	0.00
31	0.19	---	0.12	0.06	---	6.4	---	33	---	0.12	0.11	---
TOTAL	2.34	14.08	1.86	2.90	8.87	129.72	1,471.4	3,231	114.56	45.97	6.65	5.12
MEAN	0.075	0.47	0.060	0.094	0.32	4.18	49.0	104	3.82	1.48	0.21	0.17
MAX	0.28	0.98	0.17	0.16	0.60	11	144	224	37	36	0.36	1.5
MIN	0.02	0.04	0.01	0.05	0.04	0.41	2.5	33	0.31	0.12	0.07	0.00
AC-FT	4.6	28	3.7	5.8	18	257	2,920	6,410	227	91	13	10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	0.065	0.33	0.052	0.066	0.21	2.83	32.2	52.8	2.00	0.54	0.12	0.096
MAX	0.075	0.47	0.060	0.094	0.32	4.18	49.0	104	3.82	1.48	0.21	0.17
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	0.055	0.19	0.043	0.039	0.11	1.47	15.3	1.32	0.19	0.063	0.039	0.012
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	577.35		5,034.47			
ANNUAL MEAN	1.58		13.8		7.67	
HIGHEST ANNUAL MEAN					13.8	2003
LOWEST ANNUAL MEAN					1.56	2002
HIGHEST DAILY MEAN	35	Apr 9	224	May 19	224	May 19, 2003
LOWEST DAILY MEAN	0.00	Aug 26	0.00	Sep 23	a0.00	Aug 26, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 26	0.00	Sep 23	0.00	Aug 26, 2002
MAXIMUM PEAK FLOW			335	May 18	335	May 18, 2003
MAXIMUM PEAK STAGE			4.23	May 18	4.23	May 18, 2003
ANNUAL RUNOFF (AC-FT)	1,150		9,990		5,560	
10 PERCENT EXCEEDS	0.81		51		15	
50 PERCENT EXCEEDS	0.08		0.29		0.13	
90 PERCENT EXCEEDS	0.02		0.03		0.02	

e Estimated.
a No flow several days, most years.

09134000 MINNESOTA CREEK NEAR PAONIA, CO

LOCATION.--Lat 38°52'12", long. 107°30'13", in NW¼NE¼ of sec.1 (revised), T.14 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 0.25 mi downstream from South Fork, 6 mi upstream from mouth, and 4.5 mi east of Paonia.

DRAINAGE AREA.--41.3 mi^2.

PERIOD OF RECORD.--April 1936 to September 1947, October 1985 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09134000

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map. Apr. 1936 to Oct. 1941, staff gages at different datums. Oct. 1941 to Sept. 1947, water-stage recorder at different datum. Dec. 1985 to present, water-stage recorder, at datum 2.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by two small storage reservoirs, one of which obtains water from the East Muddy Creek Basin. Small trans-basin diversions from Coal Creek into Minnestota Creek. Diversions upstream from station for irrigation of about 100 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	4.0	4.0	e1.9	e1.9	2.6	2.5	5.6	21	153	28	19	8.2
2	3.7	3.8	e1.7	e1.7	2.6	2.4	6.4	20	149	28	18	7.7
3	4.8	3.1	e1.6	e1.8	e2.6	2.7	6.0	20	131	27	18	7.4
4	4.4	3.3	e1.5	e1.9	e2.5	2.4	5.0	22	112	26	18	7.1
5	4.3	3.2	e1.7	e1.8	e2.4	2.7	4.7	21	95	25	18	7.2
6	4.0	3.2	e1.6	e1.6	e1.5	2.4	4.6	20	70	25	17	6.4
7	3.9	3.3	e1.5	e1.7	e1.7	2.8	4.4	18	63	25	17	3.7
8	3.8	e2.6	e1.4	e1.7	e2.0	3.0	4.1	17	57	25	17	2.2
9	3.7	e3.7	e1.3	e1.8	e2.2	3.2	5.1	19	54	23	17	4.0
10	3.6	4.2	e1.3	e2.2	e2.1	3.5	7.3	17	50	23	17	11
11	3.6	3.6	e1.4	e1.9	e2.2	4.4	9.8	16	46	22	17	6.5
12	3.4	e2.6	e1.8	e1.7	e1.9	6.1	12	16	42	20	17	4.6
13	3.4	e1.9	e2.0	e2.0	e3.0	6.4	13	20	37	20	16	3.5
14	3.2	e2.6	e1.7	e2.2	e4.0	5.9	16	24	35	20	16	3.3
15	3.2	e2.2	e1.8	e2.1	e3.0	6.2	17	31	35	18	17	3.1
16	3.4	e1.6	e1.7	e1.7	e2.6	6.3	13	38	36	18	17	2.8
17	3.4	e1.8	e1.8	e2.2	e2.1	5.5	16	46	36	19	16	2.6
18	3.5	e1.7	e1.7	e2.0	e2.1	4.7	20	52	35	18	16	2.6
19	3.4	e1.6	e1.6	e2.8	e2.4	4.0	18	61	35	17	16	2.6
20	3.4	e1.5	e1.5	e2.9	e2.5	4.0	17	66	35	17	15	2.6
21	3.3	e1.6	e1.9	e2.8	e2.6	4.7	19	76	34	17	15	3.1
22	2.9	e1.6	e1.6	e2.9	2.6	4.5	22	76	31	17	15	2.6
23	3.7	e1.7	e1.3	e2.9	e2.5	5.5	22	89	31	18	15	2.4
24	4.0	e1.7	e1.8	2.6	e2.6	6.3	20	117	30	19	14	2.5
25	3.6	e1.7	e1.8	2.5	2.5	5.3	21	114	29	19	11	7.3
26	3.6	e1.6	e1.6	e2.6	2.5	5.0	24	120	28	19	5.2	13
27	4.6	e1.5	e1.7	e2.7	2.5	5.4	25	122	27	19	8.9	13
28	4.3	e1.8	e1.7	2.5	2.5	4.5	25	124	27	19	11	12
29	4.6	e1.8	e1.8	2.4	---	4.5	24	129	28	20	8.7	5.1
30	3.9	e1.7	e1.8	2.4	---	4.5	23	125	28	19	5.1	3.4
31	4.2	---	e1.7	2.5	---	4.4	---	126	---	19	2.2	---
TOTAL	116.8	72.2	51.2	68.4	68.3	135.7	430.0	1,783	1,599	649	450.1	163.5
MEAN	3.77	2.41	1.65	2.21	2.44	4.38	14.3	57.5	53.3	20.9	14.5	5.45
MAX	4.8	4.2	2.0	2.9	4.0	6.4	25	129	153	28	19	13
MIN	2.9	1.5	1.3	1.6	1.5	2.4	4.1	16	27	17	2.2	2.2
AC-FT	232	143	102	136	135	269	853	3,540	3,170	1,290	893	324

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	5.73	5.01	4.15	3.43	3.82	7.03	26.3	87.9	69.5	27.4	14.9	7.80
MAX	16.6	12.9	9.08	5.80	8.62	19.2	89.6	199	194	88.2	29.7	19.8
(WY)	(1942)	(1987)	(1987)	(1942)	(1986)	(1986)	(1942)	(1993)	(1993)	(1995)	(1993)	(1993)
MIN	2.64	1.84	1.65	1.70	1.89	2.57	7.18	15.1	15.5	5.05	2.05	2.91
(WY)	(2000)	(2000)	(2003)	(2000)	(2000)	(2000)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	2,029.2		5,587.2			
ANNUAL MEAN	5.56		15.3		22.0	
HIGHEST ANNUAL MEAN					46.9	1993
LOWEST ANNUAL MEAN					5.73	2002
HIGHEST DAILY MEAN	22	May 30	153	Jun 1	340	May 28, 1993
LOWEST DAILY MEAN	e1.3	Dec 9	e1.3	Dec 9	1.0	Nov 14, 1936
ANNUAL SEVEN-DAY MINIMUM	1.5	Dec 5	e1.5	Dec 5	a1.4	Feb 17, 1999
MAXIMUM PEAK FLOW			159	Jun 1	359	May 28, 1993
MAXIMUM PEAK STAGE			2.01	Jun 1	b3.24	May 28, 1993
ANNUAL RUNOFF (AC-FT)	4,020		11,080		15,930	
10 PERCENT EXCEEDS	15		34		62	
50 PERCENT EXCEEDS	3.2		4.5		6.8	
90 PERCENT EXCEEDS	1.7		1.7		2.6	

e Estimated.
a Also occurred Jan 16, 1990.
b Maximum gage height, 3.70 ft, May 22, 1942, site and datum then in use.

09134100 NORTH FORK GUNNISON RIVER BELOW PAONIA, CO

LOCATION.--Lat 38°51'27", long 107°37'19", in SW¼SE¼ sec.1, T.14 S., R.92 W., Delta County, Hydrologic Unit 14020004, on left bank 1,250 ft downstream from Roatcap Creek, and 1.5 mi southwest of Paonia.

DRAINAGE AREA.--741 mi^2.

PERIOD OF RECORD.--March 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=09134100

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, and the period May 15 to July 4, which are fair. Natural flow of stream affected by diversion to Fire Mountain Canal for irrigation of about 5,000 acres above and below station and many other smaller diversions for irrigation above station, storage in Overland Reservoir (capacity, 6,280 acre-ft), and storage in Paonia Reservoir (capacity, 18,300 acre-ft), since February 1962. 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	70	89	80	47	42	46	178	955	3,550	71	13	20
2	64	95	75	e43	44	43	235	866	3,370	61	17	16
3	82	92	65	e47	e45	42	240	903	2,520	75	17	14
4	81	75	56	e48	39	49	209	997	2,010	28	15	12
5	72	81	68	48	42	49	182	823	1,680	e20	14	16
6	69	68	56	e42	e41	52	177	710	1,270	e18	13	35
7	62	69	52	e44	e35	51	143	709	974	e14	12	45
8	52	90	45	e43	e35	55	74	668	821	e12	12	51
9	49	131	40	e44	e42	60	67	624	811	e9.4	12	60
10	45	127	28	48	e45	72	148	619	781	8.6	12	256
11	41	104	37	e48	e42	83	299	530	770	19	13	238
12	36	78	49	e46	e44	123	403	632	738	9.6	16	175
13	33	80	e55	e42	52	144	488	931	661	8.4	19	185
14	30	96	51	48	e57	173	856	1,130	571	6.2	41	171
15	25	87	50	e47	e59	178	963	1,820	569	5.6	13	137
16	33	65	51	e39	e53	187	624	2,180	574	e8.8	21	94
17	38	66	e53	e45	e49	182	610	2,870	473	e22	24	78
18	50	90	53	e42	e46	160	559	3,690	447	25	16	66
19	48	62	45	48	e44	146	456	3,990	410	24	12	69
20	45	73	e42	48	40	136	419	3,770	380	19	11	71
21	42	76	e50	49	e47	143	478	3,760	323	14	12	64
22	41	78	e45	48	e47	141	706	3,530	295	8.6	21	49
23	57	83	e37	45	e46	159	766	3,440	263	43	36	32
24	77	85	44	45	41	199	556	3,780	223	11	34	26
25	88	82	e47	47	e47	195	613	3,540	156	11	21	35
26	79	70	e42	45	47	189	963	3,090	127	9.0	16	41
27	94	47	e43	42	47	186	1,290	3,340	114	25	15	21
28	93	40	e43	43	48	157	1,420	3,950	110	22	14	21
29	94	62	e45	42	---	143	1,290	3,820	102	21	13	46
30	85	66	e45	39	---	143	1,050	e3,830	90	11	16	45
31	90	---	e41	43	---	148	---	3,110	---	8.4	18	---
TOTAL	1,865	2,407	1,533	1,395	1,266	3,834	16,462	68,607	25,183	648.6	539	2,189
MEAN	60.2	80.2	49.5	45.0	45.2	124	549	2,213	839	20.9	17.4	73.0
MAX	94	131	80	49	59	199	1,420	3,990	3,550	75	41	256
MIN	25	40	28	39	35	42	67	530	90	5.6	11	12
AC-FT	3,700	4,770	3,040	2,770	2,510	7,600	32,650	136,100	49,950	1,290	1,070	4,340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	41.9	82.0	59.1	53.8	53.8	105	616	1,348	413	18.4	17.9	30.1
MAX	60.2	87.9	71.1	61.2	58.9	124	1,042	2,213	839	23.7	33.3	73.0
(WY)	(2003)	(2001)	(2002)	(2002)	(2001)	(2003)	(2000)	(2003)	(2003)	(2000)	(2001)	(2003)
MIN	28.6	77.7	49.5	45.0	45.2	88.5	380	255	72.8	8.89	9.89	13.3
(WY)	(2002)	(2002)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2000)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	34,685.6		125,928.6			
ANNUAL MEAN	95.0		345		227	
HIGHEST ANNUAL MEAN					345	2003
LOWEST ANNUAL MEAN					94.0	2002
HIGHEST DAILY MEAN	626	Apr 11	3,990	May 19	3,990	May 19, 2003
LOWEST DAILY MEAN	4.4	Jul 19	5.6	Jul 15	4.4	Jul 19, 2002
ANNUAL SEVEN-DAY MINIMUM	6.0	Jul 14	9.5	Jul 10	6.0	Sep 13, 2000
MAXIMUM PEAK FLOW			4,770	May 19	4,770	May 19, 2003
MAXIMUM PEAK STAGE			4.85	May 19	4.85	May 19, 2003
ANNUAL RUNOFF (AC-FT)	68,800		249,800		164,500	
10 PERCENT EXCEEDS	272		860		566	
50 PERCENT EXCEEDS	58		55		60	
90 PERCENT EXCEEDS	8.1		16		11	

e Estimated.

09135950 NORTH FORK GUNNISON RIVER BELOW LEROUX CREEK, NEAR HOTCHKISS, CO

LOCATION.--Lat 38°47'18", long 107°44'21", in SW¼SW¼ sec.36, T.14 S., R.93 W., Delta County, Hydrologic Unit 14020004, on left bank 0.7 mi downstream from Leroux Creek, and 1 mi southwest of Hotchkiss.

DRAINAGE AREA.--922 mi^2.

PERIOD OF RECORD.--July 1997 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=09135950

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,240 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by diversions for irrigation of about 44,000 acres upstream from station, storage in Overland Reservoir, capacity, 6,280 acre-ft, and storage in Paonia Reservoir (capacity, 18,300 acre-ft). 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 (seasonal only).--Maximum discharge, 3,220 ft^3/s, May 24, 1999, gage height, 11.34, minimum daily, 21 ft^3/s, Aug. 17, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 3,230 ft^3/s (discharge measurement), June 11, 1997, gage height, 11.82 ft.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period of operation, 521 ft^3/s, Sept. 10, gage height, 9.35 ft; minimum daily, 30 ft^3/s, July 10.

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	123	---	---	---	---	---	---	---	---	147	49	64
2	116	---	---	---	---	---	---	---	---	126	55	61
3	201	---	---	---	---	---	---	---	---	150	53	57
4	153	---	---	---	---	---	---	---	---	93	57	58
5	131	---	---	---	---	---	---	---	---	73	54	59
6	124	---	---	---	---	---	---	---	---	63	50	86
7	121	---	---	---	---	---	---	---	---	57	51	104
8	114	---	---	---	---	---	---	---	---	47	53	121
9	112	---	---	---	---	---	---	---	---	35	51	151
10	107	---	---	---	---	---	---	---	---	30	49	411
11	100	---	---	---	---	---	---	---	---	35	51	384
12	96	---	---	---	---	---	---	---	---	43	50	276
13	93	---	---	---	---	---	---	---	---	37	51	270
14	90	---	---	---	---	---	---	---	---	39	66	259
15	86	---	---	---	---	---	---	---	---	35	56	220
16	88	---	---	---	---	---	---	---	---	36	54	165
17	87	---	---	---	---	---	---	---	---	56	56	147
18	92	---	---	---	---	---	---	---	---	56	56	134
19	90	---	---	---	---	---	---	---	---	56	52	132
20	87	---	---	---	---	---	---	---	---	56	52	132
21	85	---	---	---	---	---	---	---	---	54	52	120
22	84	---	---	---	---	---	---	---	---	45	56	110
23	107	---	---	---	---	---	---	---	---	61	66	98
24	131	---	---	---	---	---	---	---	---	53	83	90
25	129	---	---	---	---	---	---	---	---	49	66	88
26	113	---	---	---	---	---	---	---	---	47	61	96
27	136	---	---	---	---	---	---	---	---	50	60	81
28	136	---	---	---	---	---	---	---	---	62	62	77
29	143	---	---	---	---	---	---	---	---	53	61	93
30	123	---	---	---	---	---	---	---	---	57	61	91
31	119	---	---	---	---	---	---	---	---	50	61	---
TOTAL	3,517	---	---	---	---	---	---	---	---	1,851	1,755	4,235
MEAN	113	---	---	---	---	---	---	---	---	59.7	56.6	141
MAX	201	---	---	---	---	---	---	---	---	150	83	411
MIN	84	---	---	---	---	---	---	---	---	30	49	57
AC-FT	6,980	---	---	---	---	---	---	---	---	3,670	3,480	8,400

09143000 SURFACE CREEK NEAR CEDAREDGE, CO

LOCATION.--Lat 38°59'05", long 107°51'13", in NW¼NW¼ sec.25, T.12 S., R.94 W., Delta County, Hydrologic Unit 14020005, on left bank 5 ft downstream from private bridge, 1.4 mi downstream from Caesar Creek, and 7.0 mi northeast of Cedaredge.

DRAINAGE AREA.--27.4 mi^2.

PERIOD OF RECORD.--July 1939 to September 1999. October 1999 to current year (seasonal records only). Monthly discharge only for some periods, 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=09143000

REVISED RECORDS.--WDR CO-83-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,261 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by many small reservoirs. Some water imported from Leon Lake in Plateau Creek drainage. 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, 892 ft^3/s, June 15, 1995, gage height, 3.79 ft; maximum gage height, 5.10 ft, Apr. 13, 1958 (ice jam); minimum daily, 0.80 ft^3/s, Jan. 15, 1977.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 200 ft^3/s, May 22, gage height, 2.41 ft; minimum daily, 5.5 ft^3/s, Apr. 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	10	---	---	---	---	---	e8.6	68	e145	42	42	31
2	9.1	---	---	---	---	---	e9.2	74	e140	50	41	30
3	11	---	---	---	---	---	e8.0	e64	138	49	40	31
4	10	---	---	---	---	---	e7.3	e60	129	49	36	30
5	11	---	---	---	---	---	e6.7	e50	124	48	38	29
6	11	---	---	---	---	---	e6.2	e44	113	49	80	31
7	12	---	---	---	---	---	e5.9	43	104	66	82	32
8	12	---	---	---	---	---	5.5	41	101	65	48	39
9	11	---	---	---	---	---	8.4	36	97	51	46	45
10	8.4	---	---	---	---	---	16	33	92	50	52	42
11	7.6	---	---	---	---	---	30	35	85	52	65	31
12	7.1	---	---	---	---	---	43	52	76	50	65	23
13	6.5	---	---	---	---	---	50	57	72	50	60	21
14	6.2	---	---	---	---	---	56	67	69	59	58	21
15	6.3	---	---	---	---	---	43	76	66	59	39	20
16	6.0	---	---	---	---	---	31	89	63	57	37	19
17	6.0	---	---	---	---	---	34	92	e62	55	36	19
18	8.4	---	---	---	---	---	26	103	e64	42	29	19
19	8.4	---	---	---	---	---	20	108	67	42	29	21
20	8.4	---	---	---	---	---	19	127	73	41	32	20
21	7.6	---	---	---	---	---	24	147	62	41	34	20
22	7.8	---	---	---	---	---	32	153	57	42	45	20
23	8.0	---	---	---	---	---	27	140	63	71	45	20
24	11	---	---	---	---	---	24	e135	58	69	43	20
25	17	---	---	---	---	---	57	e120	53	39	73	20
26	17	---	---	---	---	---	90	e115	52	38	71	23
27	15	---	---	---	---	---	101	e125	53	36	55	23
28	11	---	---	---	---	---	97	e135	51	35	53	23
29	11	---	---	---	---	---	81	e145	47	35	53	20
30	11	---	---	---	---	---	72	e135	42	36	54	20
31	10	---	---	---	---	---	---	e125	---	34	52	---
TOTAL	302.8	---	---	---	---	---	1,038.8	2,794	2,418	1,502	1,533	763
MEAN	9.77	---	---	---	---	---	34.6	90.1	80.6	48.5	49.5	25.4
MAX	17	---	---	---	---	---	101	153	145	71	82	45
MIN	6.0	---	---	---	---	---	5.5	33	42	34	29	19
AC-FT	601	---	---	---	---	---	2,060	5,540	4,800	2,980	3,040	1,510

e Estimated.

09143500 SURFACE CREEK AT CEDAREDGE, CO

LOCATION.--Lat 38°54'06", long 107°55'14", in SW¼SE¼ sec.20, T.13 S., R.94 W., Delta County, Hydrologic Unit 14020005, on left bank at Cedaredge, 700 ft east of State Highway 65, and 8.5 mi upstream from mouth.

DRAINAGE AREA.--39.0 mi^2.

PERIOD OF RECORD.--October 1916 to September 1999. October 1999 to current year (seasonal records only). Monthly discharge only for some periods, 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=09143500

REVISED RECORDS.--WRD CO-83-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 6,220 ft above NGVD of 1929, from topographic map. Prior to June 8, 1917, nonrecording gage at present site at datum 0.50 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions to and from nearby streams, many small storage reservoirs, diversions for irrigation, and return flow from irrigated areas. 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, 1,190 ft^3/s, May 13, 1941, gage height, 2.50 ft from rating curve extended above 640 ft^3/s; maximum gage height, 3.10 ft, May 21, 1993; minimum daily, no flow at times some years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period of operation, 155 ft^3/s, May 18, gage height, 1.94 ft; minimum daily, 4.5 ft^3/s, Oct. 20.

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	8.8	---	---	---	---	---	9.5	67	89	25	18	22
2	e7.6	---	---	---	---	---	10	69	83	30	18	20
3	e10	---	---	---	---	---	9.1	79	68	30	18	21
4	e9.4	---	---	---	---	---	8.4	76	63	29	13	20
5	e10	---	---	---	---	---	7.6	55	62	28	12	15
6	e11	---	---	---	---	---	7.4	51	64	27	27	17
7	e11	---	---	---	---	---	7.0	55	64	27	26	22
8	e11	---	---	---	---	---	6.9	52	64	23	23	14
9	e10	---	---	---	---	---	11	49	61	22	21	13
10	e8.0	---	---	---	---	---	24	47	61	25	23	28
11	e7.2	---	---	---	---	---	36	43	59	28	30	21
12	6.8	---	---	---	---	---	43	59	55	25	30	20
13	6.0	---	---	---	---	---	51	65	53	24	32	21
14	5.5	---	---	---	---	---	63	63	50	29	32	19
15	5.1	---	---	---	---	---	60	77	51	28	21	18
16	4.9	---	---	---	---	---	43	78	50	29	18	16
17	4.8	---	---	---	---	---	49	87	46	29	17	17
18	5.6	---	---	---	---	---	42	110	46	19	17	17
19	4.6	---	---	---	---	---	33	103	46	17	17	18
20	4.5	---	---	---	---	---	31	88	54	15	18	17
21	4.6	---	---	---	---	---	34	82	46	17	17	17
22	5.9	---	---	---	---	---	46	78	40	18	23	16
23	7.6	---	---	---	---	---	42	80	36	20	23	15
24	9.4	---	---	---	---	---	29	75	29	16	22	15
25	13	---	---	---	---	---	46	72	27	14	29	14
26	11	---	---	---	---	---	75	65	26	14	27	17
27	10	---	---	---	---	---	81	71	27	13	32	16
28	8.9	---	---	---	---	---	84	77	25	13	34	16
29	11	---	---	---	---	---	73	96	22	12	34	13
30	9.8	---	---	---	---	---	68	90	24	12	35	12
31	9.7	---	---	---	---	---	---	80	---	9.9	34	---
TOTAL	252.7	---	---	---	---	---	1,129.9	2,239	1,491	667.9	741	527
MEAN	8.15	---	---	---	---	---	37.7	72.2	49.7	21.5	23.9	17.6
MAX	13	---	---	---	---	---	84	110	89	30	35	28
MIN	4.5	---	---	---	---	---	6.9	43	22	9.9	12	12
AC-FT	501	---	---	---	---	---	2,240	4,440	2,960	1,320	1,470	1,050

e Estimated.

09143600 FRUIT GROWERS RESERVOIR NEAR ORCHARD CITY, CO

LOCATION.--Lat 39°49'35", long 107°57'15", in NE¼NE¼ sec.24, T.14 S., R.95 W., Delta County, Hydrologic Unit 14020005, on crest of Fruit Growers dam 0.9 mi east of Orchard City.

DRAINAGE AREA.--Not determined.

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=09143600

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,485.00 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 October 1938. Capacity, 4,469 acre-ft, 1987 survey, at elevation 5,485.00, crest of spillway. No dead storage. 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, 4,630 acre-ft, May 24, elevation, 5,485.35 ft; minimum daily mean contents, 1,030 acre-ft, Sept. 30, elevation 5,473.34 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	5,485.05	4,490	-
June 30	5,483.39	3,800	-690
July 31	5,480.32	2,700	-1,100
Aug. 31	5,477.18	1,810	-890
Sept. 30	5,473.13	1,000	-810
WTR YR 2003	-	-	-

09144250 GUNNISON RIVER AT DELTA, CO

LOCATION.--Lat 38°45'11", long 108°04'40", in NW¼NW¼ sec.13, T.15 S., R.96 W., Delta County, Hydrologic Unit 14020005, in Confluence Park on left bank, 0.7 mi downstream from U.S. Highway 50 bridge at north edge of Delta.

DRAINAGE AREA.--5,628 mi^2.

PERIOD OF RECORD.--May 1976 to current year. Gage-height records collected at this site 1912-77 (flood seasons only) are in reports of the National Weather Service. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09144250

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,910 ft above NGVD of 1929, from topographic map. Prior to May 1976 nonrecording gage at site 0.7 mi upstream at datum 4.52 ft higher. June 1, 1976 to Mar. 19, 1998 water-stage recorder at site 0.7 mi upstream at datum 4.52 ft higher.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, and many diversions for irrigation. Auxillary gage established 200 ft downstream from present site to collect streamflow data during bridge construction at principal site then in use, June 27, 1991 to September 30, 1992. 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 OUTSIDE PERIOD OF RECORD.--Maximum gage height observed, 13.5 ft, June 6, 1957, from National Weather Service wire-weight gage at site 0.7 mi upstream, at datum 4.52 ft higher (discharge not determined).

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	564	421	417	399	376	398	483	1,230	4,460	774	759	761
2	544	414	427	392	381	388	537	1,120	4,540	811	762	742
3	838	425	419	393	393	378	564	1,140	3,930	835	778	603
4	650	420	409	405	376	381	517	1,280	3,410	881	795	578
5	577	411	403	396	380	393	505	1,230	2,950	877	758	646
6	565	420	417	402	376	397	469	1,060	2,460	891	730	742
7	562	414	407	380	340	395	455	1,010	2,120	934	723	801
8	549	410	403	386	329	387	401	972	1,950	866	733	821
9	539	471	390	381	368	388	320	947	1,880	814	749	922
10	528	501	383	401	372	394	295	983	1,640	788	724	1,300
11	516	457	377	405	373	404	423	910	1,570	873	722	1,220
12	499	429	389	406	373	421	616	894	1,500	926	724	998
13	492	393	405	393	390	456	686	1,130	1,430	890	720	913
14	490	431	406	387	416	482	1,050	1,270	1,360	897	736	906
15	490	439	406	395	425	499	1,300	1,820	1,250	898	810	861
16	449	417	403	381	417	504	1,040	2,220	1,250	866	815	791
17	457	402	415	383	398	517	915	2,670	1,160	881	832	745
18	432	418	424	371	402	513	877	3,220	1,130	876	855	700
19	418	420	412	370	391	486	842	3,910	1,090	900	741	690
20	401	411	390	373	384	472	711	3,570	1,070	912	680	695
21	399	417	398	379	380	468	712	3,660	1,010	906	692	667
22	400	424	402	387	383	447	914	3,700	889	816	715	650
23	457	424	395	388	372	457	1,140	3,890	971	809	752	583
24	503	429	392	383	373	508	1,000	3,830	822	848	790	563
25	438	432	402	385	383	528	867	3,770	649	841	765	549
26	407	430	395	378	399	485	1,130	3,620	617	839	730	563
27	425	406	389	373	393	494	1,480	3,540	672	837	681	557
28	440	377	399	378	395	471	1,670	3,720	779	918	715	538
29	448	387	410	376	---	487	1,590	3,900	780	878	735	532
30	433	404	403	373	---	492	1,400	4,290	729	811	735	527
31	423	---	384	373	---	474	---	4,410	---	770	755	---
TOTAL	15,333	12,654	12,471	11,972	10,738	13,964	24,909	74,916	50,068	26,663	23,211	22,164
MEAN	495	422	402	386	384	450	830	2,417	1,669	860	749	739
MAX	838	501	427	406	425	528	1,670	4,410	4,540	934	855	1,300
MIN	399	377	377	370	329	378	295	894	617	770	680	527
AC-FT	30,410	25,100	24,740	23,750	21,300	27,700	49,410	148,600	99,310	52,890	46,040	43,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2003, BY WATER YEAR (WY)

MEAN	1,346	1,454	1,518	1,504	1,535	1,786	2,336	4,371	3,842	2,061	1,162	1,179
MAX	2,833	3,156	3,103	3,349	3,381	3,744	6,641	11,090	13,520	10,110	2,752	2,496
(WY)	(1987)	(1987)	(1987)	(1985)	(1985)	(1997)	(1985)	(1984)	(1984)	(1995)	(1984)	(1986)
MIN	398	422	402	386	384	450	366	411	331	275	269	335
(WY)	(1978)	(2003)	(2003)	(2003)	(2003)	(2003)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1976 - 2003	
ANNUAL TOTAL	222,369		299,063			
ANNUAL MEAN	609		819		2,026	
HIGHEST ANNUAL MEAN					4,670	1984
LOWEST ANNUAL MEAN					601	1990
HIGHEST DAILY MEAN	1,350	Apr 11	4,540	Jun 2	20,300	Jun 7, 1984
LOWEST DAILY MEAN	377	Nov 28	295	Apr 10	208	Aug 11, 1977
ANNUAL SEVEN-DAY MINIMUM	393	Dec 8	362	Feb 6	215	Aug 10, 1977
MAXIMUM PEAK FLOW			4,920	Jun 2	a25,500	Jun 7, 1984
MAXIMUM PEAK STAGE			5.08	Jun 2	a13.15	Jun 7, 1984
ANNUAL RUNOFF (AC-FT)	441,100		593,200		1,468,000	
10 PERCENT EXCEEDS	773		1,300		3,980	
50 PERCENT EXCEEDS	594		528		1,400	
90 PERCENT EXCEEDS	410		383		524	

a At site 0.7 mi upstream, at datum 4.52 ft higher.

09146020 UNCOMPAHGRE RIVER NEAR OURAY, CO

LOCATION.--Lat 38°02'36", long 107°40'57", in SE¼SE¼ sec.24, T.44 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank at downstream side of foot bridge, 0.4 mi downstream from Bridalveil Creek, and 1.6 mi north of Ouray.

DRAINAGE AREA.--77.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09146020

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,600 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Slight regulation of low flow by power plant at Ouray. One small diversion above station for irrigation below station.

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	65	38	30	19	21	18	56	145	860	164	67	64
2	79	36	28	20	21	19	51	143	832	162	79	60
3	92	27	29	20	20	20	42	144	708	157	65	57
4	93	33	26	20	20	20	37	136	627	146	64	55
5	79	29	27	21	20	20	35	110	557	137	58	63
6	72	29	25	21	18	19	34	96	452	125	55	78
7	68	30	25	22	16	22	34	92	425	117	53	79
8	67	32	25	24	17	24	38	88	425	115	54	74
9	66	38	24	22	16	27	52	80	435	110	50	259
10	62	35	24	20	15	32	62	76	416	104	51	272
11	60	36	23	21	16	33	78	85	398	97	49	178
12	56	34	25	20	16	37	84	136	358	91	54	169
13	53	36	24	20	19	47	101	184	311	85	81	178
14	51	34	23	22	20	42	110	231	289	81	98	166
15	48	31	25	21	19	37	101	261	327	80	74	148
16	46	33	23	19	19	35	85	309	294	81	73	136
17	44	36	24	19	19	32	89	392	247	80	72	130
18	43	34	24	19	21	31	80	390	230	76	71	118
19	42	33	23	20	21	30	70	373	237	74	63	109
20	40	36	22	20	21	30	73	397	235	71	58	103
21	39	42	24	20	20	31	82	459	231	69	55	96
22	40	42	23	20	20	36	80	583	245	71	61	88
23	42	38	22	20	20	46	71	703	239	67	85	84
24	41	35	22	20	20	43	72	738	213	65	68	82
25	38	34	21	20	20	48	106	653	188	73	61	80
26	39	29	20	19	19	44	148	715	187	66	57	78
27	44	29	19	20	19	37	180	889	190	63	64	76
28	39	30	20	20	19	36	188	1,040	186	72	77	74
29	39	31	20	20	---	33	167	1,100	180	91	68	73
30	39	31	20	19	---	37	151	1,030	172	72	90	73
31	41	---	20	21	---	42	---	878	---	73	71	---
TOTAL	1,667	1,011	730	629	532	1,008	2,557	12,656	10,694	2,935	2,046	3,300
MEAN	53.8	33.7	23.5	20.3	19.0	32.5	85.2	408	356	94.7	66.0	110
MAX	93	42	30	24	21	48	188	1,100	860	164	98	272
MIN	38	27	19	19	15	18	34	76	172	63	49	55
AC-FT	3,310	2,010	1,450	1,250	1,060	2,000	5,070	25,100	21,210	5,820	4,060	6,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	44.3	30.7	23.4	19.9	18.9	32.8	92.0	331	284	92.0	58.9	75.7
MAX	53.8	33.7	23.5	20.3	19.0	33.1	98.9	408	368	138	76.4	110
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2003)	(2001)	(2001)	(2001)	(2003)
MIN	34.8	27.6	23.2	19.6	18.8	32.5	85.2	179	126	43.6	34.4	48.1
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	22,344		39,765			
ANNUAL MEAN	61.2		109		84.0	
HIGHEST ANNUAL MEAN					109	2003
LOWEST ANNUAL MEAN					59.1	2002
HIGHEST DAILY MEAN	273	May 31	1,100	May 29	1,100	May 29, 2003
LOWEST DAILY MEAN	16	Feb 9	15	Feb 10	15	Feb 10, 2003
ANNUAL SEVEN-DAY MINIMUM	17	Feb 4	16	Feb 6	16	Feb 6, 2003
MAXIMUM PEAK FLOW			1,400	May 28	1,400	May 28, 2003
MAXIMUM PEAK STAGE			5.74	May 28	5.74	May 28, 2003
ANNUAL RUNOFF (AC-FT)	44,320		78,870		60,860	
10 PERCENT EXCEEDS	143		246		180	
50 PERCENT EXCEEDS	38		54		39	
90 PERCENT EXCEEDS	19		20		20	

09146020 UNCOMPAHGRE RIVER NEAR OURAY, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09146020

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)	Specif. 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)
NOV													
13...	1315	36	9.0	7.3	648	7.0	300	111	4.61	1.34	0.3	13.3	E35
APR													
23...	1430	67	9.3	7.5	432	5.3	200	72.9	3.63	1.09	0.3	8.17	43
MAY													
28...	1415	917	8.7	7.9	143	9.8	59	21.4	1.47	0.60	0.1	1.73	27
AUG													
11...	1120	40	7.3	7.9	551	16.7	250	93.1	3.89	1.22	0.3	12.0	41

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)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)
NOV													
13...	5.32	0.6	11.0	269	--	--	--	<0.10	E.05	E.011	0.133	<0.002	<0.007
APR													
23...	4.41	0.44	9.0	158	285	0.39	51.6	<0.10	E.09	0.017	0.183	<0.002	<0.007
MAY													
28...	0.54	<0.2	5.3	38.4	87	0.12	215	E.07	0.33	<0.015	0.205	<0.002	<0.007
AUG													
11...	3.57	0.6	10.1	219	369	0.50	39.8	<0.10	<0.10	0.020	0.150	<0.002	<0.007

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

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
NOV													
13...	<0.004	0.021	<1	<1	0.8	4.6	1,590	<1	389	404	<0.02	<3	<0.3
APR													
23...	<0.004	0.085	<1	E2	1.1	4.9	2,550	<1	396	442	<0.02	<3	<0.3
MAY													
28...	<0.004	2.95	E3	E8	E.2	4.5	16,700	<1	99.3	1,820	<0.02	<3	<0.3
AUG													
11...	<0.004	0.085	<1	<1	0.7	E4.3	2,050	<1	249	279	<0.02	<3	<0.3

09146020 UNCOMPAHGRE RIVER NEAR OURAY, CO—Continued

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

Date	Zinc, water, fltrd, ug/L (01090)
NOV 13...	145
APR 23...	179
MAY 28...	14
AUG 11...	42

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

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 01...	1510	61	502	9.6	JUN 24...	1540	197	236	11.6
JAN 07...	1230	20	828	8.3	AUG 12...	1500	47	557	17.7
APR 03...	1240	40	580	7.5					

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO

LOCATION.--Lat 38°11'02", long 107°44'43", in SW¼NE¼ sec.4, T.45 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 15 ft downstream from bridge, 0.2 mi downstream from Dry Creek, 0.5 mi upstream from Dallas Creek, and 2.3 mi north of Ridgway.

DRAINAGE AREA.--149 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1958 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09146200

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,877.58 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation upstream from station. Water is imported upstream from station in some years by Red Mountain ditch from Mineral Creek in San Juan River basin.

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	81	60	57	41	41	34	79	170	911	222	116	106
2	90	58	53	43	42	33	80	166	892	218	120	93
3	118	51	54	e40	39	34	70	166	785	208	125	95
4	111	55	51	40	37	34	64	154	709	197	115	94
5	103	53	53	41	37	34	61	131	622	188	101	103
6	95	52	51	40	e36	34	60	113	504	176	98	119
7	92	53	51	40	e36	35	60	103	459	166	98	122
8	89	55	50	42	e36	38	57	94	433	158	98	111
9	86	80	48	41	34	46	66	86	458	170	91	297
10	83	68	47	40	e34	61	82	83	446	169	85	390
11	82	65	46	41	36	74	98	82	424	159	78	206
12	77	60	46	40	35	73	115	107	398	150	78	191
13	74	63	47	39	37	69	120	152	363	143	85	193
14	72	62	46	39	e41	70	143	177	319	137	170	175
15	68	61	47	39	40	59	140	224	354	130	116	161
16	66	56	45	39	37	59	111	235	344	135	119	153
17	65	62	47	37	38	55	122	363	308	139	117	149
18	64	61	49	38	40	54	121	376	284	134	111	140
19	61	60	47	37	39	53	110	336	289	127	98	130
20	59	62	43	36	38	52	104	355	305	125	91	120
21	59	66	46	35	37	58	115	384	282	119	90	111
22	59	67	44	35	37	55	117	540	282	121	89	106
23	62	69	e46	35	35	66	109	664	280	115	125	101
24	60	64	42	36	38	69	99	697	256	111	118	97
25	58	64	e43	38	37	68	124	617	231	112	105	94
26	60	59	e43	36	35	67	175	637	224	120	99	91
27	64	55	e43	36	35	64	211	807	227	112	113	88
28	62	55	e43	37	35	60	222	1,020	228	114	136	86
29	62	57	41	37	---	55	199	1,220	225	142	126	84
30	60	56	41	37	---	54	180	1,110	226	121	146	83
31	62	---	e40	39	---	63	---	942	---	116	123	---
TOTAL	2,304	1,809	1,450	1,194	1,042	1,680	3,414	12,311	12,068	4,554	3,380	4,089
MEAN	74.3	60.3	46.8	38.5	37.2	54.2	114	397	402	147	109	136
MAX	118	80	57	43	42	74	222	1,220	911	222	170	390
MIN	58	51	40	35	34	33	57	82	224	111	78	83
AC-FT	4,570	3,590	2,880	2,370	2,070	3,330	6,770	24,420	23,940	9,030	6,700	8,110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

MEAN	87.8	67.1	51.8	44.6	45.3	59.3	112	326	576	326	157	108
MAX	153	94.4	67.3	61.5	61.5	102	188	765	914	848	313	250
(WY)	(1985)	(1971)	(1971)	(1997)	(1995)	(1997)	(1985)	(1984)	(1984)	(1983)	(1995)	(1970)
MIN	57.3	48.8	35.8	33.1	32.0	40.5	67.5	122	149	57.1	47.5	52.9
(WY)	(2002)	(1990)	(1977)	(1977)	(1990)	(1964)	(1973)	(1977)	(2002)	(2002)	(2002)	(1959)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1959 - 2003	
ANNUAL TOTAL	28,325		49,295			
ANNUAL MEAN	77.6		135		164	
HIGHEST ANNUAL MEAN					270	1984
LOWEST ANNUAL MEAN					72.6	1977
HIGHEST DAILY MEAN	272	May 31	1,220	May 29	1,740	Jun 24, 1983
LOWEST DAILY MEAN	e35	Mar 20	33	Mar 2	26	Jan 13, 1963
ANNUAL SEVEN-DAY MINIMUM	e40	Mar 15	34	Feb 28	30	Feb 13, 1990
MAXIMUM PEAK FLOW			1,480	May 29	a2,100	Jun 24, 1983
MAXIMUM PEAK STAGE			5.05	May 29	5.73	Jun 24, 1983
ANNUAL RUNOFF (AC-FT)	56,180		97,780		118,600	
10 PERCENT EXCEEDS	146		286		423	
50 PERCENT EXCEEDS	58		81		79	
90 PERCENT EXCEEDS	41		37		43	

e Estimated.
a From rating curve extended above 1800 ft^3/s.

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to September 1998, April 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09146200

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

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

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)	Specif. 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)
NOV													
13...	1045	62	9.6	8.0	699	6.0	330	115	11.3	1.76	0.6	23.2	E98
APR													
23...	1220	107	9.0	8.1	526	7.5	230	80.2	7.54	1.66	0.5	16.1	79
MAY													
28...	1100	833	8.7	7.8	236	9.5	96	33.9	2.73	0.92	0.2	4.22	45
AUG													
11...	1415	76	8.5	8.4	710	22.4	340	111	14.1	2.29	0.6	24.5	115

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)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)
NOV													
13...	6.50	0.48	11.2	258	--	--	--	E.06	0.11	0.023	0.148	E.002	<0.007
APR													
23...	5.65	0.43	9.6	175	345	0.47	99.8	E.08	0.17	0.037	0.180	0.003	<0.007
MAY													
28...	1.30	0.2	6.1	59.6	137	0.19	308	E.09	0.71	E.009	0.213	E.002	<0.007
AUG													
11...	5.74	0.5	11.1	235	473	0.64	97.1	<0.10	0.12	0.020	0.072	0.003	<0.007

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

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
NOV													
13...	0.005	0.045	E2	E4	0.3	3.2	830	<1	147	183	<0.02	<3	<0.3
APR													
23...	<0.004	0.099	E8	E3	0.4	3.6	2,000	<1	192	284	<0.02	<3	<0.3
MAY													
28...	0.005	2.82	E40	67	<0.2	2.6	21,400	M	39.3	2,180	<0.02	<3	<0.3
AUG													
11...	0.005	0.026	E16	E20	E.1	3.6	280	<1	48.5	55.5	<0.02	<3	<0.3

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO—Continued

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

Date	Zinc, water, fltrd, ug/L (01090)
NOV 13...	39
APR 23...	50
MAY 28...	7
AUG 11...	4

< -- Actual value is known to be less than the value shown.
E -- Estimated laboratory analysis value.
M -- Presence of material verified but not quantified.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 01...	1250	82	631	12.0	JUN 24...	1215	251	471	13.4
JAN 07...	1400	43	815	5.2	AUG 12...	1340	76	727	20.5
APR 02...	1420	74	640	11.6					

09147000 DALLAS CREEK NEAR RIDGWAY, CO

LOCATION.--Lat 38°10'40", long 107°45'28", on line between sec.4 and 5, T.45 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 20 ft downstream from county road bridge, 1.5 mi upstream from mouth, and 1.5 mi northwest of Ridgway.

DRAINAGE AREA.--97.2 mi^2.

PERIOD OF RECORD.--March 1922 to October 1927, October 1955 to September 1971, October 1979 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147000

REVISED RECORDS.--WSP 1924: 1960. WDR CO-88-2: Drainage area.

GAGE.--Water stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,980 ft above NGVD of 1929, from topographic map. Mar. 1, 1922 to Oct. 31, 1927, nonrecording gage at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 4,500 acres upstream from and 700 acres downstream from station. One small ditch imports water from Leopard Creek (Dolores River basin) to drainage upstream from station. 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	26	22	20	e16	15	13	30	4.3	87	5.0	47	45
2	29	22	22	e15	14	e15	36	3.8	86	5.3	37	38
3	43	18	19	e16	12	17	32	2.7	81	12	34	34
4	32	20	20	e16	e14	13	25	2.8	81	15	31	30
5	33	17	17	e16	e16	13	22	2.7	71	15	29	29
6	30	18	20	15	e15	14	23	2.5	46	16	26	33
7	30	19	22	e15	e15	14	23	2.0	34	16	24	43
8	29	20	22	e16	e15	16	20	1.9	30	12	25	44
9	29	37	e21	e15	e15	e22	25	2.1	29	11	21	123
10	27	28	e21	14	e14	e26	33	2.1	26	8.4	19	192
11	25	24	e21	14	e15	e27	60	2.0	24	11	17	90
12	25	19	22	14	e15	e30	96	2.4	23	16	18	66
13	25	21	20	e15	e15	33	114	2.1	19	18	19	63
14	25	21	e20	e16	e17	26	93	2.0	15	22	75	63
15	25	21	16	16	e15	28	71	2.1	18	21	54	57
16	25	21	19	e16	14	26	50	2.0	18	21	57	53
17	26	24	14	e15	14	22	62	2.0	16	22	74	52
18	27	21	14	e15	14	20	55	1.9	14	20	66	52
19	26	20	16	e16	13	18	51	2.8	15	21	37	49
20	25	23	e18	e16	15	16	46	1.8	15	19	30	44
21	22	21	e17	e16	13	20	45	4.3	12	18	26	41
22	22	20	e19	e15	13	17	54	7.0	13	21	24	41
23	22	20	e18	16	e16	21	41	8.5	16	26	23	39
24	22	19	e17	14	14	25	27	11	13	26	22	35
25	22	20	e17	13	13	29	33	35	9.1	24	25	28
26	23	18	e17	15	13	25	33	32	8.0	23	22	26
27	25	20	e16	15	e15	24	30	32	8.6	22	25	22
28	23	e22	e17	14	12	19	20	64	6.4	24	35	20
29	25	23	e16	14	---	15	13	94	6.0	42	44	17
30	24	24	e16	15	---	16	7.9	94	7.5	37	43	15
31	23	---	e16	14	---	21	---	85	---	48	42	---
TOTAL	815	643	570	468	401	641	1,270.9	514.8	847.6	617.7	1,071	1,484
MEAN	26.3	21.4	18.4	15.1	14.3	20.7	42.4	16.6	28.3	19.9	34.5	49.5
MAX	43	37	22	16	17	33	114	94	87	48	75	192
MIN	22	17	14	13	12	13	7.9	1.8	6.0	5.0	17	15
AC-FT	1,620	1,280	1,130	928	795	1,270	2,520	1,020	1,680	1,230	2,120	2,940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2003, BY WATER YEAR (WY)

MEAN	25.6	24.4	20.1	17.8	18.7	25.6	57.5	49.0	59.4	72.6	57.7	39.6
MAX	65.1	39.1	33.9	32.0	32.0	59.4	183	249	171	230	141	117
(WY)	(1985)	(1926)	(1924)	(1924)	(1924)	(1985)	(1985)	(1984)	(1984)	(1983)	(1983)	(1927)
MIN	2.07	14.4	13.4	9.61	11.9	14.8	4.13	0.67	1.49	0.75	3.95	2.58
(WY)	(1957)	(1957)	(1994)	(1980)	(1994)	(1980)	(1990)	(1981)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1922 - 2003	
ANNUAL TOTAL	5,606.42		9,344.0			
ANNUAL MEAN	15.4		25.6		38.8	
HIGHEST ANNUAL MEAN					86.4	1984
LOWEST ANNUAL MEAN					13.8	1990
HIGHEST DAILY MEAN	103	Sep 11	192	Sep 10	740	May 3, 1924
LOWEST DAILY MEAN	0.48	May 17	1.8	May 20	0.21	Jun 19, 1981
ANNUAL SEVEN-DAY MINIMUM	0.58	Jun 25	2.1	May 12	0.38	May 11, 1981
MAXIMUM PEAK FLOW			1,170	Sep 9	a3,960	Jul 31, 1999
MAXIMUM PEAK STAGE			b5.79	Sep 9	c8.42	Jul 31, 1999
ANNUAL RUNOFF (AC-FT)	11,120		18,530		28,130	
10 PERCENT EXCEEDS	29		47		88	
50 PERCENT EXCEEDS	16		21		24	
90 PERCENT EXCEEDS	0.68		12		11	

e Estimated.
a On basis of slope-area measurement of peak flow.
b From crest-stage gage.
c From high water mark.

09147022 RIDGWAY RESERVOIR NEAR RIDGWAY, CO

LOCATION.--Lat 38°14'14", long 107°45'27", NW¼SW¼ sec.16, T.46 N., R.8 W., Ouray County, Hydrologic Unit 14020006, in concrete gate house at base of Ridgway Reservoir on Uncompahgre River, 0.5 mi upstream from Fisher Creek, and 5.3 mi north of Ridgway.

DRAINAGE AREA.--265 mi^2.

PERIOD OF RECORD.--October 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147022

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,871.3 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 Mar. 22, 1988. Capacity 84,590 acre-ft, between 6,680.0 ft, streambed at dam axis and 6,871.3 ft, crest of spillway. Dead storage below elevation 6,720.0 ft, 1,430 acre-ft. Figures given are live contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 84,900 acre-ft, June 11, 1990, elevation 6,872.93 ft; minimum contents, 49,810 acre-ft, June 2, 1995, elevation, 6,834.93 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 83,420 acre-ft, May 31, mean elevation, 6,871.54 ft; minimum daily mean contents, 53,720 acre-ft, Oct. 21; mean elevation, 6,839.84 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	6,840.39	54,170	-
Oct. 31	6,841.26	54,880	+710
Nov. 30	6,844.68	57,740	+2,860
Dec. 31	6,846.86	59,620	+1,880
CAL YR 2002	-	-	-6,760
Jan. 31	6,848.64	61,180	+1,560
Feb. 28	6,850.16	62,530	+1,350
Mar. 31	6,853.38	65,460	+2,930
Apr. 30	6,860.14	71,850	+6,390
May 31	6,871.49	83,360	+11,510
June 30	6,869.39	81,140	-2,220
July 31	6,862.33	73,990	-7,150
Aug. 31	6,857.03	68,870	-5,120
Sept. 30	6,860.46	72,160	+3,290
WTR YR 2003	-	-	+17,990

09147025 UNCOMPAHGRE RIVER BELOW RIDGWAY RESERVOIR, CO

LOCATION.--Lat 38°14'17", long 107°45'31", in NE¼SE¼ sec.17, T.46 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 1,600 ft upstream from Fisher Creek, 800 ft downstream from Ridgway Reservoir gate house, and 5.4 mi north of Ridgway.

DRAINAGE AREA.--265 mi^2.

PERIOD OF RECORD.--October 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147025

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,650 ft above NGVD of 1929, from topographic map.

REMARKS.-- No estimated daily discharges. Records good. Diversions for irrigation by means of numerous canals downstream from station. Flow regulated by Ridgway Reservoir (capacity 84,591 acre-ft). 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	149	31	31	30	30	30	28	72	1,050	274	206	201
2	149	31	31	30	30	30	29	84	1,050	285	226	215
3	149	31	31	30	30	30	29	91	1,020	294	236	243
4	149	31	31	30	30	29	29	92	989	297	236	220
5	149	31	31	30	30	30	29	91	982	298	239	193
6	149	31	31	30	30	29	29	91	957	299	238	193
7	149	31	31	30	30	28	29	91	941	287	236	193
8	120	31	31	30	30	28	28	111	938	279	236	192
9	102	32	31	30	30	28	28	123	722	279	236	153
10	102	31	31	30	30	28	28	125	446	305	239	78
11	102	31	31	30	30	28	28	126	378	321	241	57
12	102	31	31	30	30	28	28	126	378	321	241	84
13	102	31	31	30	30	28	28	127	379	322	245	102
14	102	31	31	30	30	28	28	129	381	311	245	102
15	102	32	30	30	30	28	28	129	381	301	248	100
16	102	31	30	30	30	28	28	129	382	284	250	99
17	102	31	31	30	30	29	28	129	348	274	250	99
18	102	31	31	30	30	30	28	132	326	274	250	99
19	102	31	31	30	30	30	29	132	326	275	250	99
20	102	31	31	30	30	29	30	132	326	277	250	97
21	58	31	31	30	30	30	30	132	326	278	250	97
22	31	31	31	30	30	29	30	132	326	279	250	97
23	31	31	30	30	30	28	30	172	326	279	250	97
24	31	31	31	30	30	29	30	197	297	279	250	127
25	31	31	30	30	30	30	56	199	264	274	246	175
26	31	31	31	30	30	29	72	201	235	274	245	193
27	31	31	30	30	30	30	72	201	233	274	245	193
28	31	31	30	30	30	30	72	398	235	264	218	193
29	31	31	30	30	---	29	72	811	235	240	201	193
30	31	31	30	30	---	29	72	1,020	260	231	201	192
31	31	---	30	30	---	28	---	1,060	---	215	201	---
TOTAL	2,755	932	952	930	840	897	1,105	6,785	15,437	8,744	7,355	4,376
MEAN	88.9	31.1	30.7	30.0	30.0	28.9	36.8	219	515	282	237	146
MAX	149	32	31	30	30	30	72	1,060	1,050	322	250	243
MIN	31	31	30	30	30	28	28	72	233	215	201	57
AC-FT	5,460	1,850	1,890	1,840	1,670	1,780	2,190	13,460	30,620	17,340	14,590	8,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2003, BY WATER YEAR (WY)

MEAN	125	80.9	69.6	57.3	58.4	82.2	223	322	413	392	317	196
MAX	307	165	105	76.5	93.9	179	560	510	652	846	535	456
(WY)	(1998)	(1999)	(1993)	(1997)	(1997)	(1995)	(1997)	(1997)	(1999)	(1995)	(1992)	(1999)
MIN	55.4	31.1	30.7	30.0	30.0	28.9	36.8	159	199	154	131	68.1
(WY)	(1991)	(2003)	(2003)	(2003)	(2003)	(2003)	(1990)	(1989)	(1989)	(2002)	(2002)	(1993)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1989 - 2003	
ANNUAL TOTAL	36,912		51,108			
ANNUAL MEAN	101		140		195	
HIGHEST ANNUAL MEAN					311	1995
LOWEST ANNUAL MEAN					114	2002
HIGHEST DAILY MEAN	250	Jun 13	1,060	May 31	1,110	Jun 25, 1999
LOWEST DAILY MEAN	30	Dec 15	28	Mar 7	a28	Mar 7, 2003
ANNUAL SEVEN-DAY MINIMUM	30	Dec 25	28	Mar 7	28	Mar 7, 2003
MAXIMUM PEAK FLOW			1,100	May 31	1,160	Jun 13, 1990
MAXIMUM PEAK STAGE			3.44	May 31	b3.56	Jun 13, 1990
ANNUAL RUNOFF (AC-FT)	73,210		101,400		141,500	
10 PERCENT EXCEEDS	207		297		451	
50 PERCENT EXCEEDS	91		31		109	
90 PERCENT EXCEEDS	31		29		46	

a Also occurred Mar 8-16, 23, 31, Apr 1, 8-18, 2003.
b Maximum gage height, 3.63 ft, Jul 10, 1995.

09147500 UNCOMPAHGRE RIVER AT COLONA, CO

LOCATION.--Lat. 38°19'53", long 107°46'44", in NW¼NW¼ sec.17, T.47 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 75 ft downstream from county highway crossing, 0.2 mi north of Colona, and 1.0 mi upstream from Beaton Creek.

DRAINAGE AREA.--448 mi^2.

PERIOD OF RECORD.--April 1903 to November 1905, April to June 1906 (gage heights and discharge measurements only), October 1912 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Colona" 1904-06, 1922-34. Statistical summary computed for 1986 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147500

REVISED RECORDS.--WSP 1313: 1904. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,318.80 ft above NGVD of 1929. See WSP 1713 or 1733 for history of changes prior to Sept. 30, 1949.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Ridgway Reservoir, 7.7 mi upstream, since 1986, total capacity 84,590 acre-ft. Diversions upstream from station for irrigation of about 2,600 acres downstream from station. 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	132	41	41	33	31	30	69	121	1,440	258	220	146
2	140	40	38	39	32	31	76	e115	1,390	262	231	156
3	155	36	39	36	32	30	66	e125	1,270	271	268	193
4	156	37	36	31	31	31	58	e110	1,170	270	250	176
5	169	35	37	30	31	31	49	e100	1,130	273	241	150
6	156	34	34	30	34	30	47	e90	1,030	271	236	183
7	152	35	34	32	37	31	46	72	989	263	234	185
8	127	38	32	33	34	33	40	84	968	258	241	169
9	109	49	32	33	33	36	51	90	840	261	232	208
10	123	46	32	32	36	39	73	102	562	292	230	253
11	124	45	32	31	33	43	84	100	485	312	231	121
12	121	40	32	30	32	45	92	101	458	311	230	112
13	118	40	34	31	33	53	99	116	432	312	229	134
14	114	40	32	32	37	62	122	123	418	302	239	116
15	108	40	34	32	32	49	120	130	434	297	234	109
16	105	36	33	33	31	51	92	138	435	296	237	109
17	102	40	34	32	31	47	102	237	391	284	238	105
18	100	41	33	34	32	47	88	252	357	290	228	97
19	98	39	32	35	31	44	72	220	365	290	212	95
20	96	39	34	34	30	41	65	239	380	286	204	89
21	71	42	34	33	31	44	67	229	368	286	198	84
22	37	44	33	31	30	42	70	322	365	294	199	84
23	41	45	36	30	29	58	68	440	355	289	196	78
24	43	41	32	30	29	70	51	477	312	290	193	94
25	45	41	34	30	30	61	74	496	274	292	191	142
26	44	39	37	30	30	61	144	506	239	292	190	170
27	46	34	39	30	30	52	180	562	235	291	194	182
28	46	35	37	30	30	48	190	797	227	291	168	180
29	45	37	33	30	---	42	167	1,390	221	261	138	178
30	42	37	34	30	---	41	132	1,540	241	267	143	179
31	42	---	35	30	---	56	---	1,450	---	229	150	---
TOTAL	3,007	1,186	1,069	987	892	1,379	2,654	10,874	17,781	8,741	6,625	4,277
MEAN	97.0	39.5	34.5	31.8	31.9	44.5	88.5	351	593	282	214	143
MAX	169	49	41	39	37	70	190	1,540	1,440	312	268	253
MIN	37	34	32	30	29	30	40	72	221	229	138	78
AC-FT	5,960	2,350	2,120	1,960	1,770	2,740	5,260	21,570	35,270	17,340	13,140	8,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	148	103	84.7	74.6	75.5	108	281	501	608	421	285	191
MAX	353	214	132	105	121	213	683	926	1,066	1,226	598	495
(WY)	(1998)	(1999)	(1993)	(1986)	(1997)	(1997)	(1997)	(1987)	(1995)	(1995)	(1999)	(1999)
MIN	51.6	39.5	34.5	31.8	31.9	44.5	62.6	160	184	141	114	52.3
(WY)	(1990)	(2003)	(2003)	(2003)	(2003)	(2003)	(1990)	(1988)	(2002)	(2002)	(2002)	(1989)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	37,641		59,472			
ANNUAL MEAN	103		163		a241	
HIGHEST ANNUAL MEAN					396	1997
LOWEST ANNUAL MEAN					116	2002
HIGHEST DAILY MEAN	288	May 21	1,540	May 30	1,900	Jul 11, 1995
LOWEST DAILY MEAN	32	Dec 8	29	Feb 23	b25	Apr 28, 1990
ANNUAL SEVEN-DAY MINIMUM	32	Dec 8	30	Feb 22	29	Sep 24, 1989
MAXIMUM PEAK FLOW			1,740	May 30	c2,230	Jul 12, 1995
MAXIMUM PEAK STAGE			4.23	May 30	4.76	Jul 12, 1995
ANNUAL RUNOFF (AC-FT)	74,660		118,000		174,500	
10 PERCENT EXCEEDS	187		311		568	
50 PERCENT EXCEEDS	95		84		125	
90 PERCENT EXCEEDS	37		31		56	

e Estimated.
a Average discharge for 76 years (water years 1904-1905, 1913-1986), 271 ft^3/s, 196,300 acre-ft/yr, prior to completion of Ridgway Reservoir.
b Minimum daily discharge for period of record, 12 ft^3/s, Sep 19, 1956, and May 7, 1967.
c Maximum discharge for period of record, 4,080 ft^3/s, June 13-14, 1921, gage height unknown.

09149500 UNCOMPAHGRE RIVER AT DELTA, CO

LOCATION.--Lat 38°44'31", long 108°04'49", in SW¼SW¼ sec.13, T.15 S., R.96 W., Delta County, Hydrologic Unit 14020006, on right bank 525 ft downstream from 5th Street Bridge at west edge of Delta and 1.1 mi upstream from mouth.

DRAINAGE AREA.--1,115 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1903 to October 1931 (no winter records in most years), September 1938 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Delta" 1907-24. Statistical summary computed for 1939 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09149500

REVISED RECORDS.--WSP 1243: 1904. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,926.49 ft above NGVD of 1929. Feb. 18, 1960 to Mar. 26, 1963, water-stage recorder at site 750 ft upstream at datum 3.43 ft higher. Mar. 27, 1963 to May 12, 1965, water-stage recorder at site 1,050 ft upstream at datum 6.08 ft higher. See WSP 1733 or 1924 for history of changes prior to Feb. 18, 1960.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by water diverted from Gunnison River (see record of diversion through Gunnison tunnel published with station 09128000) and other adjacent basins. Flow regulated by Ridgway Reservoir, since 1986, total capacity 84,590 acre-ft. Diversions for irrigation of about 90,000 acres upstream from station and return flow from irrigated areas.

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	303	308	217	163	137	123	81	97	919	85	117	207
2	284	303	216	149	138	120	59	86	828	84	114	213
3	452	294	210	154	139	118	54	79	630	83	129	208
4	402	290	206	159	134	117	38	83	500	94	138	198
5	367	287	203	156	133	120	30	92	444	86	123	199
6	360	290	203	155	124	118	29	73	334	86	122	287
7	353	279	198	152	121	115	27	66	272	88	129	358
8	350	277	194	151	126	118	28	65	267	73	157	370
9	332	284	188	155	131	119	34	65	275	71	144	427
10	320	295	193	163	123	122	24	76	244	78	133	1,230
11	311	276	188	163	131	126	17	76	151	79	130	1,190
12	304	271	187	162	125	129	15	78	126	83	120	694
13	302	262	184	155	129	132	17	74	119	101	114	709
14	304	263	181	153	140	138	32	73	116	118	109	668
15	290	272	183	154	142	135	34	83	114	110	116	646
16	288	253	182	144	134	127	28	163	109	105	134	619
17	283	248	185	146	124	132	24	138	119	104	146	587
18	277	248	185	139	136	130	23	203	146	101	e150	464
19	275	241	178	146	136	122	27	325	147	96	e155	446
20	270	235	169	147	129	115	30	210	178	109	135	418
21	269	234	178	147	124	117	35	174	185	109	128	389
22	248	237	168	146	125	112	43	149	166	106	150	362
23	294	240	159	144	122	107	76	215	168	98	190	325
24	341	235	171	143	118	121	59	190	131	96	228	304
25	337	233	166	145	119	161	59	195	109	109	214	308
26	339	227	161	144	121	128	64	195	90	115	188	293
27	366	221	157	144	120	131	98	203	85	123	179	273
28	334	212	164	143	120	164	177	200	86	138	189	267
29	348	213	168	140	---	155	161	506	89	129	191	256
30	335	213	165	138	---	136	130	943	90	120	194	258
31	320	---	158	137	---	135	---	892	---	113	202	---
TOTAL	9,958	7,741	5,665	4,637	3,601	3,943	1,553	6,067	7,237	3,090	4,668	13,173
MEAN	321	258	183	150	129	127	51.8	196	241	99.7	151	439
MAX	452	308	217	163	142	164	177	943	919	138	228	1,230
MIN	248	212	157	137	118	107	15	65	85	71	109	198
AC-FT	19,750	15,350	11,240	9,200	7,140	7,820	3,080	12,030	14,350	6,130	9,260	26,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	405	257	170	140	135	166	303	496	548	315	290	391
MAX	844	442	294	223	222	367	1,107	2,542	1,763	1,170	959	944
(WY)	(1998)	(1999)	(1999)	(1999)	(1997)	(1997)	(1985)	(1984)	(1984)	(1983)	(1999)	(1961)
MIN	131	125	111	70.9	66.5	80.7	51.8	92.2	82.3	82.3	93.7	123
(WY)	(1978)	(1950)	(1943)	(1943)	(1943)	(1951)	(2003)	(2002)	(2002)	(2002)	(1956)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	59,713		71,333			
ANNUAL MEAN	164		195		302	
HIGHEST ANNUAL MEAN					688	1984
LOWEST ANNUAL MEAN					155	1951
HIGHEST DAILY MEAN	452	Oct 3	1,230	Sep 10	4,520	May 15, 1984
LOWEST DAILY MEAN	67	Apr 7	15	Apr 12	a15	Apr 12, 2003
ANNUAL SEVEN-DAY MINIMUM	70	Apr 20	23	Apr 7	23	Apr 7, 2003
MAXIMUM PEAK FLOW			1,530	Sep 11	b5,800	May 15, 1984
MAXIMUM PEAK STAGE			6.06	Sep 11	8.85	May 15, 1984
ANNUAL RUNOFF (AC-FT)	118,400		141,500		218,600	
10 PERCENT EXCEEDS	290		334		598	
50 PERCENT EXCEEDS	151		150		205	
90 PERCENT EXCEEDS	75		78		107	

e Estimated.
a Minimum daily discharge for period of record, no flow at times in 1908. Minimum daily determined since beginning of diversion through Gunnison Tunnel, 7.0 ft^3/s, Jul 10-15, 17, 21, 24-28, 1910.
b From rating curve extended above 3,400 ft^3/s.

09149500 UNCOMPAHGRE RIVER AT DELTA, CO—Continued

PERIOD OF RECORD.--October 1958 to September 1980, October 1987 to September 1988, October 1990 to September 1993, October 1994 to September 2003 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09149500

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

Date	Time	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. 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)	Chloride, water, fltrd, mg/L (00940)
OCT													
16...	1110	289	8.3	1,450	9.0	670	182	51.4	3.54	2	98.3	E121	9.43
NOV													
14...	1115	260	8.4	1,780	6.0	770	203	64.8	3.82	2	120	185	14.1
DEC													
30...	1055	164	8.4	1,850	3.0	780	206	64.1	4.45	2	126	208	12.8
JAN													
28...	1055	145	8.4	1,740	3.5	810	207	69.7	4.12	2	139	215	13.1
FEB													
20...	1000	132	8.3	1,980	3.0	810	200	74.6	4.98	3	171	E198	47.6
MAR													
13...	0950	124	8.4	1,740	7.5	780	191	72.5	3.85	2	152	201	16.1
MAY													
02...	1135	91	8.2	1,440	--	650	181	48.5	4.50	1	83.0	200	10.3
29...	0950	739	7.9	1,070	14.7	460	128	35.4	5.77	1	73.9	161	10.8
JUN													
20...	1150	185	8.2	1,500	17.1	670	192	46.9	4.77	1	86.1	215	10.8
JUL													
17...	1145	100	8.3	1,750	21.2	770	215	57.6	3.99	2	118	216	12.2
AUG													
12...	0950	129	8.2	1,700	18.9	810	229	58.0	3.60	2	116	181	11.5
SEP													
08...	1020	363	8.0	1,530	15.7	700	197	49.7	4.63	2	99.5	226	10.7

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

Date	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)
OCT							
16...	0.7	15.2	611	--	--	--	15
NOV							
14...	0.7	15.7	755	1,290	1.75	905	14
DEC							
30...	0.71	14.7	772	1,330	1.80	587	13
JAN							
28...	0.65	13.3	760	1,340	1.82	523	15
FEB							
20...	0.64	14.2	849	--	--	--	19
MAR							
13...	0.59	11.0	756	1,320	1.80	443	15
MAY							
02...	0.66	13.8	591	1,050	1.43	259	10
29...	0.5	15.4	473	839	1.14	1,670	9
JUN							
20...	0.8	16.8	625	1,110	1.51	555	7
JUL							
17...	0.9	18.0	752	1,310	1.78	353	7
AUG							
12...	0.9	16.4	707	1,250	1.70	436	9
SEP							
08...	0.8	17.6	628	1,140	1.56	1,120	10

E -- Estimated laboratory analysis value.

09149500 UNCOMPAHGRE RIVER AT DELTA, CO—Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT				
02...	1055	282	1,660	12.0
NOV				
12...	1140	263	1,790	5.2
JAN				
08...	1115	157	1,800	--
APR				
04...	1040	44	1,520	7.2
JUN				
03...	1120	738	940	13.3
25...	1110	123	1,520	15.7
AUG				
13...	0910	119	1,710	17.9

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO

LOCATION.--Lat 38°59'00", long 108°27'00", in NE¼SW¼ of sec.14, T.2 S., R.1 E., Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 180 ft upstream from bridge on State Highway 141, 0.4 mi downstream from Whitewater Creek, 0.5 mi south of Whitewater, and 8 mi southeast of Grand Junction.

DRAINAGE AREA.--7,928 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to December 1895 (gage heights only), October 1896 to September 1899, October 1901 to October 1906, October 1916 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Whitewater" 1901-06. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09152500

REVISED RECORDS.--WSP 509: Drainage area at former site. WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,628.12 ft above NGVD of 1929. See WSP 1733 or 1924 for history of changes prior to October 1959.

REMARKS.--No estimated daily discharges. Records good. Records show flow that enters Colorado River from Gunnison River basin except for about 60 ft^3/s diverted downstream from gage during irrigation season. Natural flow of river affected by diversions for irrigation of about 233,000 acres upstream from station, storage reservoirs, and return flow from irrigated lands.

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	1,240	994	752	666	612	595	746	1,810	5,410	879	997	1,160
2	1,190	976	758	653	620	585	746	1,700	5,580	890	970	1,140
3	1,590	948	740	638	618	582	808	1,690	4,970	919	997	1,100
4	1,620	927	727	658	611	578	790	1,820	4,270	964	1,040	987
5	1,360	918	730	678	594	593	722	1,910	3,700	984	1,020	997
6	1,320	900	736	667	598	593	685	1,660	3,110	975	966	1,290
7	1,300	911	735	650	564	596	632	1,450	2,590	1,020	953	1,470
8	1,280	882	722	628	530	583	606	1,400	2,350	988	999	1,510
9	1,260	932	706	624	548	577	547	1,350	2,270	919	1,020	1,480
10	1,220	1,000	693	635	580	590	479	1,330	2,090	910	998	2,600
11	1,200	956	692	652	590	604	482	1,290	1,870	923	980	2,870
12	1,160	905	687	658	588	622	674	1,230	1,730	1,010	961	2,010
13	1,150	878	695	640	611	651	869	1,410	1,650	1,010	956	1,780
14	1,160	869	703	625	622	692	1,080	1,680	1,590	1,020	942	1,760
15	1,150	897	706	628	666	727	1,500	2,130	1,420	1,030	1,040	1,720
16	1,110	859	708	623	647	716	1,470	2,880	1,390	1,000	1,080	1,650
17	1,080	828	717	603	621	729	1,170	3,300	1,350	1,010	1,160	1,540
18	1,060	819	733	599	613	725	1,150	3,730	1,290	1,010	1,160	1,400
19	1,020	837	710	588	620	702	1,140	4,750	1,300	1,000	1,140	1,340
20	995	815	688	593	593	678	998	4,640	1,320	1,020	1,010	1,310
21	979	799	680	609	588	663	894	4,620	1,370	1,050	967	1,250
22	966	808	695	609	577	662	978	4,560	1,220	998	1,000	1,180
23	980	810	673	614	576	642	1,300	4,720	1,140	947	1,080	1,090
24	1,210	811	670	612	578	659	1,340	4,660	1,210	979	1,200	998
25	1,120	810	682	609	588	737	1,170	4,450	942	998	1,210	961
26	1,040	799	705	603	606	785	1,350	4,330	828	1,080	1,140	970
27	1,040	770	662	599	612	737	1,900	4,200	834	1,030	1,060	983
28	1,050	741	661	600	614	763	2,340	4,090	902	1,110	1,070	953
29	1,040	720	700	604	---	819	2,380	4,560	942	1,130	1,090	939
30	1,070	737	691	605	---	811	2,080	5,060	913	1,060	1,100	929
31	1,020	---	675	606	---	821	---	5,420	---	976	1,150	---
TOTAL	35,980	25,856	21,832	19,376	16,785	20,817	33,026	93,830	61,551	30,839	32,456	41,367
MEAN	1,161	862	704	625	599	672	1,101	3,027	2,052	995	1,047	1,379
MAX	1,620	1,000	758	678	666	821	2,380	5,420	5,580	1,130	1,210	2,870
MIN	966	720	661	588	530	577	479	1,230	828	879	942	929
AC-FT	71,370	51,290	43,300	38,430	33,290	41,290	65,510	186,100	122,100	61,170	64,380	82,050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2003, BY WATER YEAR (WY)

MEAN	1,477	1,452	1,348	1,261	1,260	1,447	3,056	7,321	6,892	2,513	1,393	1,383
MAX	3,479	3,303	3,225	3,515	3,844	4,114	9,184	18,870	19,630	11,950	3,639	4,959
(WY)	(1987)	(1987)	(1987)	(1974)	(1974)	(1997)	(1942)	(1920)	(1957)	(1995)	(1957)	(1929)
MIN	268	497	500	500	500	500	580	698	577	165	153	267
(WY)	(1935)	(1899)	(1899)	(1899)	(1899)	(1903)	(1977)	(1977)	(1934)	(1934)	(1934)	(1934)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1897 - 2003	
ANNUAL TOTAL	358,466		433,715			
ANNUAL MEAN	982		1,188		2,570	
HIGHEST ANNUAL MEAN					5,187	1984
LOWEST ANNUAL MEAN					838	1934
HIGHEST DAILY MEAN	1,700	Apr 12	5,580	Jun 2	35,200	May 23, 1920
LOWEST DAILY MEAN	661	Dec 28	479	Apr 10	106	Jul 20, 1934
ANNUAL SEVEN-DAY MINIMUM	678	Dec 22	571	Feb 6	116	Jul 14, 1934
MAXIMUM PEAK FLOW			5,990	Jun 2	a35,700	May 23, 1920
MAXIMUM PEAK STAGE			6.36	Jun 2	14.95	May 23, 1920
ANNUAL RUNOFF (AC-FT)	711,000		860,300		1,862,000	
10 PERCENT EXCEEDS	1,210		1,840		6,000	
50 PERCENT EXCEEDS	976		961		1,360	
90 PERCENT EXCEEDS	746		605		704	

a Site and datum then in use, from rating curve extended above 22,000 ft^3/s.

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1931 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09152500

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1935 to September 1974, September 1975 to current year.
WATER TEMPERATURE: April 1949 to September 1974, September 1975 to current year.

INSTRUMENTATION.--Water-quality monitor since September 1975, November 1991 water-quality monitor with satellite telemetry.

REMARKS.--Daily record of specific conductance is fair, except for the periods Oct. 1-25, Dec. 6-17, Apr. 26 to May 21, June 4 to July 26, Aug. 8-21, which are good, and July 27 to Aug. 7, Aug. 22 to Sept. 30, which are poor. Daily maximum and minimum specific-conductance data previous to water year 1995 are available in the district office. Daily water temperature data are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,380 microsiemens/cm Sept. 12, 2002; minimum, 194 microsiemens/cm June 6, 1979.
WATER TEMPERATURE: Maximum, 30.0°C Aug. 13, 1958; minimum, 0.0°C on many days during winter months

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,490 microsiemens/cm, Nov. 10; minimum, 352 microsiemens/cm, May 29.
WATER TEMPERATURE: Maximum, 25.3°C, July 21; minimum, 0.0°C, on several 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)	Specif. 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													
18...	1115	1,070	9.4	8.2	1,200	10.5	560	149	45.0	3.73	2	84.0	E155
DEC													
17...	1400	715	11.1	8.3	1,260	3.5	540	137	48.4	3.93	2	92.5	E155
FEB													
20...	1245	607	10.2	8.3	1,180	7.0	490	118	46.5	4.06	2	88.8	E199
MAR													
13...	1200	669	9.5	8.4	1,050	11.5	420	99.8	41.1	3.48	2	78.0	153
APR													
25...	1345	1,150	8.2	8.1	642	14.5	250	65.5	19.9	3.02	1	36.3	116
MAY													
20...	0845	4,570	7.8	7.8	488	12.4	190	51.4	15.8	2.26	0.8	27.0	84
JUN													
11...	1035	1,840	7.7	8.1	724	17.7	290	80.3	22.3	2.58	0.9	36.6	114
JUL													
22...	0915	1,010	6.2	8.1	883	22.3	380	106	28.2	3.31	1	48.9	145
AUG													
04...	1105	1,040	7.5	8.0	981	21.5	400	112	29.3	3.55	1	54.9	156

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)	Selenium, water, fltrd, ug/L (01145)
OCT								
18...	9.66	0.6	12.3	491	--	--	--	11.6
DEC								
17...	11.3	0.49	10.9	501	--	--	--	13.2
FEB								
20...	12.6	0.44	11.0	467	--	--	--	16.4
MAR								
13...	11.0	0.39	8.0	383	717	0.97	1,290	9.6
APR								
25...	6.82	0.26	11.0	190	403	0.55	1,250	4.9
MAY								
20...	3.91	0.2	10.7	142	304	0.41	3,750	2.9
JUN								
11...	5.98	0.3	12.3	243	472	0.64	2,350	3.7
JUL								
22...	7.96	0.4	12.4	296	590	0.80	1,610	4.6
AUG								
04...	8.44	0.5	12.9	343	658	0.90	1,850	6.0

E -- Estimated laboratory analysis value.

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, 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	1,290	1,260	1,280	1,460	1,400	1,420	1,440	1,350	1,400	1,260	1,220	1,240
2	1,280	1,240	1,250	1,400	1,370	1,390	1,410	1,270	1,360	1,240	1,210	1,230
3	1,270	1,160	1,200	1,390	1,380	1,380	1,420	1,300	1,370	1,240	1,210	1,220
4	1,460	1,270	1,410	1,380	1,340	1,360	1,390	1,300	1,350	1,230	1,190	1,210
5	1,460	1,400	1,450	1,350	1,330	1,340	1,370	1,270	1,300	1,220	1,180	1,210
6	1,400	1,280	1,330	1,370	1,340	1,350	1,300	1,250	1,280	1,220	1,180	1,200
7	1,280	1,230	1,250	1,370	1,340	1,360	1,300	1,250	1,280	1,240	1,200	1,220
8	1,230	1,220	1,220	1,350	1,300	1,320	1,300	1,250	1,270	1,230	1,200	1,220
9	1,220	1,210	1,220	1,420	1,280	1,340	1,310	1,240	1,280	1,240	1,210	1,220
10	1,220	1,210	1,210	1,490	1,340	1,400	1,310	1,260	1,280	1,250	1,180	1,210
11	1,220	1,200	1,210	1,480	1,400	1,420	1,320	1,250	1,280	1,250	1,190	1,220
12	1,220	1,210	1,210	1,400	1,390	1,400	1,300	1,260	1,280	1,250	1,210	1,230
13	1,210	1,200	1,210	1,390	1,360	1,380	1,300	1,230	1,260	1,250	1,220	1,230
14	1,200	1,200	1,200	1,390	1,310	1,360	1,300	1,240	1,280	1,260	1,210	1,240
15	1,200	1,190	1,190	1,400	1,350	1,380	1,280	1,240	1,260	1,250	1,210	1,230
16	1,200	1,180	1,190	1,390	1,340	1,360	1,270	1,230	1,250	1,250	1,190	1,220
17	1,230	1,190	1,210	1,350	1,320	1,330	1,270	1,240	1,260	1,240	1,200	1,210
18	1,240	1,180	1,220	1,370	1,330	1,350	1,270	1,240	1,250	1,240	1,180	1,210
19	1,240	1,200	1,220	1,440	1,360	1,400	1,270	1,240	1,260	1,240	1,170	1,200
20	1,250	1,150	1,230	1,410	1,360	1,380	1,280	1,240	1,260	1,240	1,160	1,200
21	1,250	1,220	1,230	1,400	1,310	1,370	1,270	1,210	1,250	1,260	1,160	1,210
22	1,240	1,180	1,230	1,420	1,340	1,370	1,280	1,210	1,240	1,250	1,150	1,210
23	1,250	1,230	1,240	1,420	1,280	1,370	1,270	1,230	1,250	1,220	1,160	1,190
24	1,270	1,200	1,240	1,360	1,250	1,320	1,280	1,220	1,250	1,210	1,140	1,180
25	1,330	1,190	1,270	1,360	1,250	1,310	1,270	1,220	1,250	1,200	1,130	1,160
26	1,340	1,310	1,330	1,370	1,190	1,290	1,260	1,230	1,250	1,190	1,150	1,170
27	1,360	1,330	1,350	1,370	1,280	1,320	1,260	1,230	1,240	1,200	1,160	1,180
28	1,400	1,340	1,360	1,380	1,230	1,310	1,230	1,200	1,220	1,210	1,160	1,180
29	1,440	1,400	1,430	1,420	1,340	1,380	1,230	1,200	1,210	1,220	1,160	1,190
30	1,440	1,410	1,420	1,440	1,320	1,370	1,250	1,190	1,220	1,220	1,170	1,190
31	1,460	1,410	1,440	---	---	---	1,260	1,210	1,240	1,200	1,170	1,190
MONTH	1,460	1,150	1,270	1,490	1,190	1,360	1,440	1,190	1,270	1,260	1,130	1,210
		FEBRUARY			MARCH			APRIL			MAY	
1	1,220	1,170	1,200	1,200	1,150	1,180	901	844	863	481	455	468
2	1,210	1,170	1,190	1,200	1,120	1,170	850	826	839	505	479	494
3	1,210	1,150	1,180	1,180	1,090	1,150	859	834	843	521	497	507
4	1,230	1,170	1,200	1,180	1,130	1,160	856	807	838	513	489	498
5	1,220	1,180	1,200	1,170	1,090	1,140	837	805	820	540	488	500
6	1,240	1,180	1,210	1,160	1,100	1,140	860	797	824	582	540	560
7	1,220	1,160	1,210	1,160	1,110	1,140	886	844	860	604	571	584
8	1,230	1,150	1,200	1,150	1,110	1,130	895	841	870	614	595	603
9	1,240	1,150	1,210	1,150	1,100	1,130	851	777	816	624	595	613
10	1,290	1,190	1,230	1,150	1,090	1,120	871	777	833	658	614	635
11	1,290	1,160	1,210	1,130	1,070	1,110	903	758	856	683	648	662
12	1,220	1,110	1,180	1,110	1,060	1,090	865	796	839	703	677	691
13	1,220	1,130	1,180	1,080	1,000	1,050	832	719	766	728	661	702
14	1,200	1,140	1,180	1,050	951	1,010	719	657	696	662	552	593
15	1,210	1,170	1,190	994	900	958	657	513	587	635	537	560
16	1,260	1,180	1,210	961	896	926	526	441	467	634	522	564
17	1,260	1,220	1,250	916	847	890	508	455	484	606	463	548
18	1,250	1,180	1,220	903	851	881	528	498	516	515	442	473
19	1,220	1,170	1,200	908	860	887	531	490	506	619	442	501
20	1,240	1,180	1,210	930	884	906	571	505	546	488	418	462
21	1,240	1,200	1,230	932	891	916	642	569	601	477	420	462
22	1,230	1,190	1,210	938	898	923	670	630	649	---	---	---
23	1,200	1,160	1,180	948	914	933	670	647	656	---	---	---
24	1,200	1,150	1,180	954	918	938	655	604	625	441	430	437
25	1,200	1,130	1,160	944	894	917	635	607	620	441	423	435
26	1,170	1,100	1,140	912	862	886	646	562	613	443	431	436
27	1,160	1,070	1,130	916	877	899	610	503	544	448	432	441
28	1,180	1,110	1,140	890	837	864	508	439	466	453	356	427
29	---	---	---	868	816	842	459	430	438	400	352	377
30	---	---	---	890	866	875	458	421	435	401	388	396
31	---	---	---	902	822	848	---	---	---	431	398	418
MONTH	1,290	1,070	1,190	1,200	816	1,000	903	421	677	---	---	---

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	456	431	444	923	869	901	1,080	1,070	1,080	1,100	1,070	1,090
2	465	456	460	916	865	898	1,080	1,060	1,070	1,080	1,060	1,070
3	468	454	461	909	819	872	1,100	1,080	1,090	1,070	1,060	1,060
4	491	453	470	863	819	838	1,100	978	1,040	1,090	1,050	1,080
5	532	489	504	880	781	825	991	946	969	1,100	1,080	1,090
6	569	522	539	846	785	819	994	963	981	1,220	1,020	1,090
7	638	567	596	833	801	818	989	961	975	1,230	1,070	1,130
8	672	637	647	833	817	824	979	944	961	1,140	1,100	1,110
9	704	670	681	817	780	802	1,010	978	998	1,120	1,110	1,120
10	714	665	683	801	782	791	1,010	990	1,000	1,110	1,080	1,090
11	759	714	732	829	787	808	1,010	981	995	1,160	1,100	1,120
12	763	698	725	842	825	836	1,010	955	977	1,210	1,160	1,180
13	755	702	730	851	830	841	1,010	954	966	1,250	1,210	1,230
14	774	733	757	876	847	863	962	943	955	1,270	1,250	1,260
15	790	759	772	872	843	853	960	827	937	1,290	1,260	1,270
16	824	760	792	875	859	868	964	866	940	1,290	1,280	1,280
17	814	743	781	867	848	859	965	941	950	1,290	1,280	1,290
18	828	778	806	865	848	857	994	950	972	1,280	1,270	1,270
19	871	828	854	888	847	867	1,010	992	998	1,270	1,260	1,260
20	885	837	872	866	849	858	1,020	984	1,000	1,260	1,240	1,250
21	948	874	919	885	857	871	1,010	934	979	1,250	1,230	1,240
22	951	918	936	884	831	862	1,010	931	975	1,240	1,220	1,230
23	964	918	943	859	818	844	1,050	997	1,030	1,220	1,210	1,210
24	995	855	927	846	822	835	1,090	988	1,050	1,210	1,190	1,200
25	927	848	888	894	829	849	1,100	1,060	1,080	1,190	1,170	1,180
26	959	910	944	889	791	846	1,100	1,060	1,080	1,190	1,180	1,180
27	977	914	949	935	860	908	1,080	1,050	1,070	1,190	1,170	1,180
28	992	925	963	981	924	939	1,100	1,050	1,080	1,190	1,170	1,180
29	954	863	918	1,060	981	1,020	1,100	1,080	1,090	1,180	1,170	1,180
30	906	860	887	1,100	1,060	1,080	1,100	1,080	1,090	1,180	1,170	1,180
31	---	---	---	1,090	1,070	1,080	1,110	1,080	1,100	---	---	---
MONTH	995	431	753	1,100	780	872	1,110	827	1,020	1,290	1,020	1,180

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.9	13.3	14.4	9.5	7.9	8.5	4.4	2.5	3.4	1.6	0.7	1.1
2	14.3	12.9	13.4	8.8	7.4	8.1	4.8	2.7	3.7	1.4	0.0	0.6
3	13.0	11.5	12.0	7.4	5.6	6.6	5.1	3.7	4.3	1.1	0.0	0.3
4	12.4	10.4	11.4	6.6	5.2	5.9	4.7	3.0	3.7	0.9	0.0	0.3
5	13.6	11.2	12.3	6.3	4.1	5.1	4.6	2.9	3.6	0.7	0.0	0.3
6	14.8	11.9	13.3	6.5	4.2	5.3	3.7	2.3	2.9	2.1	0.1	1.0
7	15.0	12.3	13.7	5.7	4.5	5.1	3.9	2.2	2.9	2.7	0.5	1.5
8	15.1	12.4	13.8	6.3	5.5	5.9	3.8	2.2	2.8	2.7	0.5	1.5
9	15.0	12.4	13.7	7.2	6.3	6.8	3.3	1.5	2.3	2.0	0.2	1.0
10	14.3	11.9	13.2	7.1	6.0	6.4	2.2	0.8	1.5	2.2	0.7	1.6
11	14.2	11.9	13.1	7.0	5.3	6.0	2.0	0.2	1.0	3.3	1.9	2.6
12	13.9	11.7	12.8	6.2	4.7	5.4	2.1	0.7	1.2	4.6	2.7	3.5
13	12.9	10.4	11.7	5.1	4.5	4.7	1.9	0.3	1.0	4.4	2.4	3.3
14	12.4	10.0	11.3	5.8	4.2	5.0	2.3	0.4	1.2	4.2	2.1	3.0
15	12.2	9.7	11.0	6.4	4.9	5.5	2.9	1.0	1.8	4.0	2.1	3.0
16	12.1	9.5	10.8	5.1	3.8	4.5	3.0	1.5	2.2	2.9	1.0	1.9
17	12.1	9.6	10.9	4.9	3.4	4.1	3.5	2.4	2.8	3.0	0.8	1.7
18	12.2	9.5	10.9	5.0	3.1	4.0	3.4	2.1	2.6	2.5	0.0	1.1
19	12.0	9.5	10.8	5.1	3.1	4.0	2.9	1.2	2.0	2.4	0.1	1.1
20	11.1	9.2	10.2	5.1	3.1	4.1	1.5	0.3	0.9	2.3	0.0	1.0
21	11.3	8.9	10.1	5.5	3.4	4.3	1.9	0.3	0.9	2.6	0.2	1.3
22	10.8	9.4	10.2	5.7	3.6	4.6	2.1	0.4	1.1	3.0	0.6	1.8
23	11.0	9.8	10.4	5.8	4.2	4.8	1.2	0.0	0.5	4.0	1.6	2.6
24	10.9	10.1	10.5	5.5	3.9	4.7	0.8	0.0	0.3	3.7	2.0	2.8
25	10.4	9.0	9.8	5.7	3.8	4.9	0.7	0.0	0.1	4.9	2.8	3.7
26	10.2	9.2	9.6	4.5	2.8	3.6	0.6	0.0	0.1	4.4	2.3	3.4
27	10.0	8.6	9.3	3.7	2.1	2.8	0.8	0.0	0.2	4.8	2.5	3.6
28	10.5	9.0	9.8	3.2	1.4	2.2	0.3	0.0	0.1	4.7	3.0	3.7
29	10.4	8.8	9.5	3.3	1.3	2.2	0.8	0.0	0.2	4.8	2.7	3.7
30	9.4	7.9	8.5	3.0	1.5	2.3	2.0	0.2	0.9	4.4	2.8	3.5
31	8.8	7.3	8.0	---	---	---	0.9	0.1	0.4	5.3	2.7	3.9
MONTH	15.9	7.3	11.3	9.5	1.3	4.9	5.1	0.0	1.7	5.3	0.0	2.1
		FEBRUARY			MARCH			APRIL			MAY	
1	5.6	3.5	4.5	6.1	4.2	5.1	10.7	9.2	10.0	12.4	10.1	11.2
2	5.2	4.2	4.7	6.7	3.2	4.9	12.0	9.6	10.5	12.9	9.9	11.2
3	5.3	3.1	4.1	7.5	4.2	5.7	10.2	8.5	9.5	14.0	10.6	12.2
4	3.7	2.4	3.0	6.2	5.3	5.6	9.0	6.9	8.1	13.4	11.6	12.4
5	3.4	1.6	2.3	7.5	4.4	5.8	9.6	7.1	8.2	12.5	10.6	11.6
6	2.5	0.2	1.2	7.2	4.1	5.6	10.9	7.9	9.1	13.5	10.2	11.8
7	1.2	0.0	0.3	9.5	5.6	7.2	10.6	7.6	8.9	14.5	10.8	12.4
8	1.2	0.0	0.3	10.1	6.2	8.1	12.0	7.4	9.5	13.7	11.7	12.5
9	1.1	0.0	0.2	10.8	7.2	8.9	13.6	8.7	11.0	12.7	11.0	11.7
10	0.6	0.0	0.1	10.6	7.5	8.9	15.2	9.9	12.5	12.5	9.4	10.8
11	0.6	0.0	0.2	11.7	8.0	9.6	16.2	11.3	13.8	14.3	9.8	11.9
12	1.9	0.0	0.8	12.0	8.8	10.2	14.3	12.3	13.1	15.9	11.4	13.5
13	2.9	1.5	2.1	12.4	9.1	10.6	14.7	11.0	12.8	16.0	13.0	14.6
14	4.4	2.9	3.7	10.7	9.7	10.2	14.8	11.3	13.0	16.1	12.7	14.3
15	6.3	3.8	4.9	10.8	9.3	10	13.4	10.9	11.8	14.4	13.2	13.7
16	5.8	4.0	4.8	9.7	8.7	9.3	12.0	9.1	10.5	14.5	12.0	13.3
17	6.4	4.2	5.2	10.3	8.5	9.2	12.7	9.2	10.9	14.9	13.8	14.3
18	6.9	4.7	5.6	8.8	7.3	8.2	12.0	10.2	11.3	14.0	12.2	12.9
19	7.1	4.2	5.6	7.9	6.0	6.9	11.9	8.4	10.1	12.7	10.2	11.4
20	7.1	4.3	5.6	8.0	5.8	7.0	13.6	9.3	11.4	14.2	11.3	12.5
21	7.1	4.4	5.7	10.1	6.9	8.3	13.1	11.1	12.2	14.7	12.0	13.2
22	6.2	4.4	5.2	11.8	7.7	9.6	12.8	10.7	11.9	15.1	12.3	13.6
23	6.1	3.5	4.6	12.7	9.0	10.8	11.9	10.1	10.9	16.0	12.9	14.3
24	5.1	2.9	4.0	12.4	10.4	11.2	12.5	8.5	10.5	15.6	13.3	14.3
25	5.2	4.0	4.5	13.1	9.7	11.3	14.8	10.4	12.5	15.3	13.1	14.1
26	5.1	3.7	4.4	11.3	9.5	10.4	15.9	11.8	13.8	15.7	12.6	14.1
27	6.1	4.5	5.1	10.1	7.6	9.1	14.7	12.0	13.3	17.3	14.0	15.5
28	6.4	3.9	5.0	8.7	5.7	7.1	14.0	11.8	12.6	18.0	14.8	16.4
29	---	---	---	8.5	4.8	6.6	12.9	11.2	11.8	18.3	15.4	16.6
30	---	---	---	9.3	5.8	7.7	12.9	10.6	11.5	16.9	15.6	16.3
31	---	---	---	11.2	7.5	8.6	---	---	---	16.0	14.8	15.4
MONTH	7.1	0.0	3.5	13.1	3.2	8.3	16.2	6.9	11.2	18.3	9.4	13.4

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, 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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.6	14.6	15.4	23.7	20.2	22.0	23.8	20.6	22.2	21.7	18.6	20.2
2	16.2	14.6	15.4	23.8	20.8	22.4	23.1	21.2	22.1	21.1	18.9	20.1
3	16.5	14.3	15.3	23.6	20.5	22.1	23.0	20.9	21.8	21.6	19.0	20.3
4	16.6	14.5	15.5	23.8	20.6	22.2	23.8	21.0	22.4	22.3	19.0	20.6
5	16.8	14.4	15.5	23.2	20.5	22.0	24.2	21.2	22.6	21.2	18.8	19.4
6	17.2	14.9	16.0	22.3	20.0	21.4	23.1	20.7	22.1	19.1	17.5	18.1
7	17.4	15.0	16.0	22.8	19.3	21.1	22.3	20.3	21.0	19.9	16.7	18.2
8	18.4	15.3	16.7	23.0	19.4	21.3	23.1	19.9	21.4	19.4	17.0	18.2
9	18.4	15.8	17.1	23.2	20.0	21.7	24.1	20.8	22.4	18.7	16.0	17.5
10	18.0	16.4	17.3	23.9	20.3	22.1	24.1	21.4	22.7	16.0	14.4	15.1
11	19.5	15.8	17.6	23.7	20.6	22.3	23.7	21.3	22.6	15.4	13.4	14.4
12	20.2	16.9	18.4	23.6	20.5	22.2	24.7	21.3	23.0	16.4	13.6	14.9
13	19.7	16.5	18.2	23.4	20.4	22.0	25.0	21.9	23.5	16.7	14.5	15.6
14	21.0	17.0	18.9	23.7	20.6	22.3	25.1	21.9	23.4	16.1	13.5	14.8
15	21.7	17.8	19.8	23.4	20.8	22.0	23.6	21.4	22.5	16.2	13.2	14.8
16	20.8	18.7	19.8	23.0	20.2	21.6	22.4	20.5	21.2	17.1	13.9	15.4
17	20.5	18.0	19.3	24.2	20.6	22.3	21.8	19.0	20.3	17.3	15.1	16.0
18	20.7	17.6	19.1	24.9	21.9	23.5	21.1	19.0	20.1	15.1	12.5	13.8
19	19.3	17.7	18.4	24.3	22.5	23.5	22.1	18.9	20.5	15.2	12.3	13.7
20	19.2	16.8	17.9	25.0	21.7	23.5	22.0	19.1	20.7	15.9	13.0	14.4
21	20.4	16.9	18.5	25.3	21.9	23.7	22.7	20.2	21.2	16.5	13.4	14.9
22	21.1	17.4	19.2	24.6	22.0	23.4	22.9	20.3	21.4	16.6	13.6	15.2
23	20.9	18.0	19.6	24.4	22.1	23.1	22.7	20.1	21.3	16.8	13.8	15.4
24	20.0	17.7	18.9	23.5	21.4	22.6	22.8	20.1	21.6	17.4	14.3	15.9
25	20.3	16.7	18.5	23.6	21.2	22.5	23.5	20.2	21.8	17.3	14.4	15.9
26	21.3	16.9	19.0	24.4	21.6	22.9	23.2	20.1	21.8	17.1	14.3	15.8
27	22.7	18.7	20.6	25.0	21.6	23.2	22.2	20.3	21.0	17.5	14.5	16.0
28	23.0	19.7	21.4	24.3	21.8	23.1	22.9	19.4	21.0	17.7	14.9	16.3
29	23.4	20.0	21.8	25.0	21.5	23.2	22.7	19.8	21.2	17.9	15.1	16.5
30	23.0	20.0	21.7	24.6	21.3	23.1	21.7	19.8	20.8	18.0	15.3	16.6
31	---	---	---	23.9	21.3	22.4	21.9	18.5	20.3	---	---	---
MONTH	23.4	14.3	18.2	25.3	19.3	22.5	25.1	18.5	21.7	22.3	12.3	16.5
YEAR	25.3	0.0	11.3									

09152520 CALLOW CREEK AT WHITEWATER, CO

LOCATION.--Lat 38°59'21", long 108°26'53", in NE¼NE¼ of sec.14, T.2 S., R.1 E., Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 100 ft downstream from box culvert under U.S. Highway 50 at Whitewater, and 8 mi southeast of Grand Junction.

DRAINAGE AREA.--4.17 mi^2.

PERIOD OF RECORD.--July 2000 to September 2003 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09152520

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,680 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair except for discharges above 2.3 ft^3/s, which are poor. 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.09
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	3.5	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
10	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.3
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	2.25	3.52	0.00	0.00	0.01	0.00	0.00	0.08	0.00	0.00	0.00	2.68
MEAN	0.073	0.12	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.089
MAX	1.4	3.5	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.00	2.3
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	4.5	7.0	0.00	0.00	0.02	0.00	0.00	0.2	0.00	0.00	0.00	5.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	0.14	0.30	0.004	0.000	0.000	0.007	0.021	0.076	0.044	0.085	0.061	0.086
MAX	0.26	0.52	0.011	0.000	0.001	0.022	0.057	0.17	0.12	0.22	0.15	0.14
(WY)	(2001)	(2001)	(2002)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)
MIN	0.073	0.12	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.022
(WY)	(2003)	(2003)	(2001)	(2001)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	26.37		8.54			
ANNUAL MEAN	0.072		0.023		0.072	
HIGHEST ANNUAL MEAN					0.11	2001
LOWEST ANNUAL MEAN					0.023	2003
HIGHEST DAILY MEAN	3.5	Nov 9	3.5	Nov 9	7.3	Nov 23, 2001
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	a0.00	Jul 22, 2000
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 5	0.00	Jul 22, 2000
MAXIMUM PEAK FLOW			46	Nov 9	b111	Jul 14, 2001
MAXIMUM PEAK STAGE			3.19	Nov 9	c3.87	Jul 14, 2001
ANNUAL RUNOFF (AC-FT)	52		17		52	
10 PERCENT EXCEEDS	0.16		0.00		0.12	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a No flow many days each year.
b From rating curve extended above 2.15 ft^3/s.
c Maximum gage height, 5.24 ft, Aug 5, 2002, discharge unknown.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'58", long 109°01'35", in SE¼NW¼ sec.5, T.11 S., R.104 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.5 mi downstream from McDonald Creek, 1.7 mi upstream from Colorado-Utah State line, and 12 mi southwest of Mack.

DRAINAGE AREA.--17,843 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09163500

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,325 ft above NGVD of 1929, from topographic map. May 1951 to Oct. 1979, water-stage recorder at site 5.7 mi upstream at different datum. Oct. 1979 to Mar. 1995, water stage recorder at site 0.2 mi downstream at same datum.

REMARKS.--Records good except for extimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation. (Records include all return flow from irrigated areas).

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	2,530	3,040	2,180	1,930	1,820	1,930	1,930	4,280	22,900	4,280	2,750	2,840
2	2,490	2,950	2,190	1,850	1,890	1,860	1,850	3,910	24,500	4,130	2,600	2,820
3	2,930	2,790	e2,250	1,870	1,940	1,800	1,830	3,570	23,900	3,970	2,560	2,730
4	3,540	2,720	e2,350	1,800	1,920	1,780	2,070	3,740	19,500	3,930	2,560	2,500
5	2,980	e2,690	2,180	1,930	1,860	1,770	2,160	4,410	16,600	4,040	2,490	2,580
6	2,760	e2,710	2,130	1,990	1,750	1,840	2,120	4,310	14,200	3,980	2,490	2,830
7	2,700	e2,670	2,170	1,960	1,720	1,810	1,970	3,800	11,900	3,790	2,440	3,840
8	2,620	2,730	2,130	1,920	1,560	1,920	1,680	3,450	10,600	3,630	2,410	3,760
9	2,520	3,790	e2,030	1,840	1,530	1,850	1,630	3,440	9,630	3,340	2,430	4,000
10	2,450	3,570	e2,010	1,840	1,520	1,850	1,420	3,970	9,480	3,030	2,440	6,030
11	2,370	3,120	1,840	1,900	1,610	1,870	1,350	3,590	9,460	2,930	2,370	6,860
12	2,300	2,860	1,920	1,970	1,750	1,930	1,380	3,620	9,060	2,830	2,260	5,530
13	2,240	2,740	1,900	1,980	1,840	2,020	1,670	3,400	9,010	2,740	2,220	4,670
14	2,260	2,630	1,940	1,940	1,940	2,140	1,970	3,470	8,890	2,750	2,180	4,330
15	2,240	2,650	2,010	1,890	2,200	2,170	2,370	3,930	8,320	2,730	2,210	4,160
16	2,210	2,650	1,940	1,890	2,140	2,330	3,030	5,790	8,230	2,620	2,580	3,960
17	2,110	2,600	1,950	1,860	2,010	2,350	2,880	7,530	8,280	2,550	2,730	3,760
18	2,110	2,480	1,970	1,790	1,900	2,230	2,540	9,510	7,590	2,650	2,680	3,530
19	2,110	2,470	2,050	1,840	1,880	2,130	2,440	11,900	7,280	2,600	2,860	3,390
20	2,090	2,400	2,010	1,760	1,830	2,110	2,340	12,400	7,200	2,660	3,100	3,560
21	2,060	2,210	1,890	1,780	1,760	2,010	2,050	12,000	7,330	2,670	2,990	3,520
22	2,070	2,230	1,850	1,830	1,730	1,980	1,910	12,100	6,970	2,590	2,680	3,470
23	2,090	2,280	1,930	1,860	1,780	1,940	2,020	12,800	6,500	2,480	2,830	3,320
24	2,320	2,260	1,790	1,880	1,770	1,980	2,510	14,000	6,300	2,590	3,350	3,140
25	2,690	2,250	1,800	1,900	1,750	2,210	2,650	14,600	5,830	2,480	3,050	3,000
26	2,600	e2,250	1,780	1,880	1,800	2,320	2,510	15,600	5,130	2,400	2,980	2,970
27	2,430	e2,260	1,800	1,880	1,910	2,270	2,890	15,700	4,690	2,460	2,860	3,000
28	2,470	e2,070	1,740	1,860	1,900	2,170	3,840	16,800	4,630	3,020	2,830	3,060
29	2,570	e1,930	1,770	1,850	---	2,180	4,550	19,000	4,620	3,290	2,890	3,000
30	2,600	e2,080	1,920	1,860	---	2,130	4,670	20,900	4,500	3,070	2,850	2,960
31	2,630	---	1,950	1,830	---	2,040	---	22,800	---	2,810	2,800	---
TOTAL	76,090	78,080	61,370	58,160	51,010	62,920	70,230	280,320	303,030	95,040	82,470	109,120
MEAN	2,455	2,603	1,980	1,876	1,822	2,030	2,341	9,043	10,100	3,066	2,660	3,637
MAX	3,540	3,790	2,350	1,990	2,200	2,350	4,670	22,800	24,500	4,280	3,350	6,860
MIN	2,060	1,930	1,740	1,760	1,520	1,770	1,350	3,400	4,500	2,400	2,180	2,500
AC-FT	150,900	154,900	121,700	115,400	101,200	124,800	139,300	556,000	601,100	188,500	163,600	216,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	3,988	4,002	3,570	3,347	3,407	3,845	5,787	13,920	16,820	7,637	3,898	3,682
MAX	7,672	6,925	5,993	6,129	5,996	7,486	15,600	37,960	43,830	29,650	10,190	7,174
(WY)	(1987)	(1987)	(1986)	(1985)	(1985)	(1986)	(1985)	(1984)	(1957)	(1995)	(1983)	(1997)
MIN	1,916	2,363	1,980	1,871	1,815	1,984	1,631	2,283	2,431	1,662	1,350	1,361
(WY)	(1957)	(1978)	(2003)	(1964)	(1964)	(1964)	(1977)	(1977)	(2002)	(1977)	(1977)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	826,210		1,327,840			
ANNUAL MEAN	2,264		3,638		6,162	
HIGHEST ANNUAL MEAN					13,470	1984
LOWEST ANNUAL MEAN					2,417	2002
HIGHEST DAILY MEAN	4,470	Jun 2	24,500	Jun 2	68,300	May 27, 1984
LOWEST DAILY MEAN	1,280	Aug 19	1,350	Apr 11	960	Sep 7, 1956
ANNUAL SEVEN-DAY MINIMUM	1,320	Aug 14	1,590	Apr 7	1,110	Sep 2, 1956
MAXIMUM PEAK FLOW			26,100	Jun 3	a69,800	May 27, 1984
MAXIMUM PEAK STAGE			10.67	Jun 3	b16.12	May 27, 1984
ANNUAL RUNOFF (AC-FT)	1,639,000		2,634,000		4,464,000	
10 PERCENT EXCEEDS	2,960		7,060		13,300	
50 PERCENT EXCEEDS	2,240		2,480		3,920	
90 PERCENT EXCEEDS	1,570		1,830		2,240	

e Estimated.
a At site 0.2 mi downstream, at present datum.
b From high-water mark.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09163500

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1979 to current year.
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1979.

REMARKS.-- Daily records of specific conductance are excellent, except May 20 to June 10, which are good, Mar. 27 to Apr. 9, which are fair, and Oct. 1-2, Oct. 30 to Dec. 4, and June 11 to July 14, which are poor. Daily records of water temperature are excellent. October 1979, water-quality data collection was moved 5.5 mi upstream to this site from previous site 09163530. Water-quality records for this site are considered to be equivalent to data obtained at old site. Data from the old site are stored with this station. Prior to October 1995, unpublished maximum and minimum specific conductance data available in district office.

Note: Suspended Sediment Discharge table: a sampler code of 3009 is a D-74 suspended sediment sampler; a code of 3039 is a D-77 water-quality sampler; a code of 3045 is a DH-81 depth-integrating sampler; a code of 3053 and 3054 is a D-95 depth-integrating sampler. Suspended sediment concentrations associated with a sampler type coded 3039 or 3053 were determined from a subsample split of a composite sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 1,940 microsiemens/cm, Aug. 13, 1981; minimum, 277 microsiemens/cm, June 11, 1985.
WATER TEMPERATURE: Maximum, 27.6°C, July 19, 2003; minimum, -0.3°C on several days in Dec. 1996 and Jan. 1997.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,680 microsiemens/cm, Feb. 13; minimum, 332 microsiemens/cm, June 3.
WATER TEMPERATURE: Maximum, 27.6°C, July 19; minimum, 0.0°C, Dec. 27, 28, 29, Jan. 1, 4.

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)	Specif. 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 inc tit field, mg/L as CaCO3 (39086)
OCT													
29...	1020	2,580	10.0	8.4	1,510	9.4	520	141	41.3	4.55	3	133	150
DEC													
04...	1020	2,380	11.7	8.5	1,470	3.3	460	121	39.2	3.99	3	147	170
FEB													
25...	0930	1,730	10.5	8.3	1,480	5.1	420	108	35.7	4.41	3	156	166
MAR													
27...	0955	2,310	9.4	8.3	1,240	9.5	360	90.8	31.5	3.86	3	124	148
APR													
10...	0950	1,410	10.2	8.5	1,260	11.5	370	92.9	33.0	4.37	3	132	137
MAY													
20...	0830	12,500	7.6	7.7	485	12.6	170	47.9	12.6	2.39	0.9	27.5	91
JUN													
11...	0930	9,720	8.6	8.0	537	15.9	190	54.4	12.2	1.78	1	36.5	97
JUL													
15...	0835	2,730	6.6	8.2	1,060	23.6	350	96.2	26.8	3.37	2	82.8	132
SEP													
10...	0845	6,040	8.1	8.2	1,050	14.8	350	98.8	24.7	5.81	2	78.6	129

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

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

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
29...	173	5	126	0.4	10.7	428	980	1.33	6,820	0.61	<0.04	1.04	0.009
DEC													
04...	190	8	152	0.4	8.4	364	941	1.28	6,050	0.28	<0.04	0.82	0.015
FEB													
25...	188	7	182	0.35	7.8	323	920	1.25	4,300	0.40	0.06	0.78	E.007
MAR													
27...	181	--	137	0.32	7.8	276	761	1.04	4,750	--	--	--	--
APR													
10...	150	8	144	0.35	3.8	303	797	1.08	3,030	0.33	<0.04	0.35	0.016
MAY													
20...	111	--	24.4	0.2	8.9	104	285	0.39	9,630	3.8	0.26	0.55	0.014
JUN													
11...	118	--	35.4	0.2	9.1	108	318	0.43	8,330	0.52	<0.04	0.41	0.009
JUL													
15...	161	--	84.7	0.3	7.4	270	652	0.89	4,810	0.48	<0.04	0.47	E.004
SEP													
10...	157	--	75.5	0.4	10.1	290	665	0.90	10,900	11	0.05	0.87	0.018

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

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Selenium, water, fltrd, ug/L (01145)
OCT			
29...	E.01	0.26	8.5
DEC			
04...	<0.02	0.038	8.2
FEB			
25...	E.01	0.055	7.2
MAR			
27...	--	--	5.0
APR			
10...	<0.02	0.039	6.9
MAY			
20...	<0.02	1.63	2.5
JUN			
11...	E.02	0.196	1.8
JUL			
15...	E.01	0.121	4.4
SEP			
10...	0.02	6.49	5.1

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

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

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

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT													
29...	<0.006	<0.006	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
DEC													
04...	<0.006	<0.006	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
FEB													
25...	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
APR													
10...	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
MAY													
20...	<0.006	<0.006	0.008	E.004	<0.005	E.004	<0.050	<0.010	<0.002	E.019	E.055	<0.005	<0.006
JUN													
11...	<0.006	<0.006	<0.006	E.004	<0.005	E.004	<0.050	<0.010	<0.002	<0.041	E.009	<0.005	<0.006
JUL													
15...	<0.006	E.004	<0.006	<0.004	<0.005	0.016	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
SEP													
10...	<0.006	<0.006	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	--	<0.006

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

Date	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
OCT													
29...	<0.018	0.005	<0.004	E.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
DEC													
04...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
FEB													
25...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
APR													
10...	<0.018	0.008	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
MAY													
20...	<0.018	E.002	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
JUN													
11...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
JUL													
15...	<0.018	E.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
SEP													
10...	<0.018	0.005	<0.004	--	<0.005	--	<0.002	<0.009	--	<0.009	<0.005	<0.005	<0.007

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

Date	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
OCT													
29...	<0.003	<0.004	<0.035	<0.027	<0.006	E.004	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
DEC													
04...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
FEB													
25...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
APR													
10...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
MAY													
20...	<0.003	<0.004	<0.035	<0.027	<0.006	E.005	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
JUN													
11...	<0.003	<0.004	<0.035	<0.027	<0.006	E.004	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
JUL													
15...	<0.003	<0.004	<0.035	<0.027	<0.006	E.007	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
SEP													
10...	--	<0.004	<0.035	--	--	E.008	<0.006	<0.002	<0.007	<0.003	--	<0.004	<0.022

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

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

Date	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
OCT													
29...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
DEC													
04...	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
FEB													
25...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
APR													
10...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
MAY													
20...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
JUN													
11...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
JUL													
15...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
SEP													
10...	--	M	<0.004	<0.010	<0.011	--	<0.005	<0.02	<0.034	--	<0.005	<0.002	<0.009

< -- Actual value is known to be less than the value shown.
E -- Estimated laboratory analysis value.
M -- Presence of material verified but not quantified.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Sampler type, code (84164)
OCT							
29...	0950	2,570	--	88	362	2,510	3009
29...	1020	2,580	9.4	94	572	3,980	3039
DEC							
04...	0935	2,380	--	--	46	296	3009
04...	1020	2,380	3.3	--	27	175	3053
FEB							
25...	0925	1,730	--	--	36	170	3054
25...	0930	1,730	5.1	--	35	163	3053
APR							
10...	0930	1,410	11.5	--	16	62	3045
10...	0950	1,410	11.5	--	13	51	3045
MAY							
20...	0830	12,500	12.6	78	2,630	88,800	3053
20...	0835	12,500	--	75	2,870	96,900	3054
JUN							
11...	0930	9,720	15.9	78	217	5,690	3053
11...	0935	9,720	--	69	240	6,300	3054
JUL							
15...	0740	2,730	--	--	71	524	3053
15...	0835	2,730	23.6	--	70	512	3053
SEP							
10...	0845	6,040	14.8	89	8,950	146,000	3053
10...	0850	6,040	--	90	9,120	149,000	3053

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—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	1,280	1,220	1,240	1,520	1,490	1,500	1,580	1,510	1,560	1,570	1,540	1,550
2	1,280	1,220	1,260	1,520	1,440	1,470	1,610	1,530	1,580	1,560	1,500	1,540
3	---	---	---	1,450	1,430	1,440	1,540	1,460	1,500	1,530	1,490	1,510
4	---	---	---	1,460	1,440	1,450	1,490	1,450	1,470	1,590	1,520	1,550
5	---	---	---	1,460	1,450	1,460	1,450	1,440	1,450	1,550	1,520	1,540
6	---	---	---	1,450	1,440	1,440	1,450	1,430	1,440	1,530	1,510	1,520
7	---	---	---	1,470	1,430	1,450	1,480	1,440	1,460	1,540	1,490	1,520
8	---	---	---	1,500	1,450	1,480	1,510	1,480	1,490	1,500	1,460	1,480
9	---	---	---	1,500	1,360	1,450	1,490	1,480	1,480	1,520	1,490	1,500
10	---	---	---	1,500	1,360	1,410	1,510	1,480	1,490	1,520	1,500	1,510
11	---	---	---	1,490	1,400	1,470	1,560	1,490	1,520	1,550	1,510	1,530
12	---	---	---	1,530	1,450	1,470	1,540	1,490	1,520	1,580	1,480	1,550
13	---	---	---	1,480	1,440	1,460	1,580	1,490	1,540	1,530	1,480	1,510
14	---	---	---	1,500	1,480	1,490	1,560	1,520	1,540	1,540	1,520	1,530
15	---	---	---	1,560	1,480	1,520	1,560	1,520	1,540	1,540	1,520	1,530
16	---	---	---	1,520	1,490	1,510	1,560	1,530	1,550	1,530	1,490	1,510
17	---	1,480	---	1,510	1,470	1,480	1,540	1,520	1,530	1,520	1,490	1,500
18	1,520	1,500	1,510	1,520	1,500	1,510	1,540	1,520	1,530	1,520	1,500	1,510
19	1,540	1,520	1,530	1,520	1,490	1,500	1,540	1,510	1,530	1,510	1,470	1,490
20	1,540	1,520	1,530	1,560	1,520	1,540	1,540	1,500	1,520	1,550	1,490	1,520
21	1,560	1,520	1,540	1,590	1,560	1,570	1,540	1,500	1,530	1,540	1,490	1,510
22	1,560	1,540	1,550	1,600	1,560	1,580	1,520	1,500	1,510	1,530	1,470	1,490
23	1,560	1,540	1,550	1,630	1,590	1,620	1,530	1,490	1,500	1,540	1,500	1,520
24	1,640	1,540	1,570	1,640	1,610	1,620	1,600	1,510	1,560	1,520	1,480	1,500
25	1,600	1,520	1,540	1,640	1,590	1,620	1,590	1,540	1,570	1,510	1,480	1,490
26	1,530	1,500	1,510	1,600	1,560	1,580	1,560	1,530	1,540	1,480	1,460	1,470
27	1,550	1,520	1,540	1,580	1,540	1,560	1,610	1,550	1,580	1,460	1,440	1,450
28	1,530	1,520	1,520	1,560	1,540	1,550	1,620	1,580	1,610	1,470	1,450	1,460
29	1,540	1,510	1,520	1,550	1,520	1,530	1,620	1,580	1,600	1,470	1,450	1,460
30	1,550	1,510	1,530	1,530	1,510	1,530	1,630	1,580	1,600	1,480	1,440	1,460
31	1,580	1,510	1,540	---	---	---	1,610	1,550	1,580	1,480	1,460	1,470
MONTH	---	---	---	1,640	1,360	1,510	1,630	1,430	1,530	1,590	1,440	1,510
		FEBRUARY			MARCH			APRIL			MAY	
1	1,480	1,470	1,470	1,440	1,380	1,410	1,230	1,190	1,220	762	744	752
2	1,470	1,460	1,460	1,390	1,370	1,380	1,290	1,220	1,250	767	756	762
3	1,510	1,460	1,490	1,380	1,340	1,370	1,250	1,220	1,240	785	766	777
4	1,510	1,460	1,470	1,400	1,350	1,380	1,370	1,230	1,270	915	783	800
5	1,480	1,450	1,470	1,380	1,350	1,370	1,250	1,220	1,230	896	779	807
6	1,490	1,470	1,480	1,370	1,340	1,360	1,250	1,210	1,240	807	768	790
7	1,500	1,460	1,470	1,360	1,340	1,350	1,210	1,170	1,180	832	783	805
8	1,560	1,480	1,500	1,390	1,360	1,370	1,240	1,170	1,190	783	712	753
9	1,580	1,540	1,560	1,430	1,310	1,360	1,260	1,220	1,240	831	686	758
10	1,600	1,520	1,560	1,360	1,270	1,340	1,350	1,240	1,280	838	781	807
11	1,630	1,570	1,590	1,350	1,320	1,340	1,310	1,280	1,290	874	798	828
12	1,660	1,620	1,640	1,390	1,340	1,370	1,340	1,260	1,310	914	808	892
13	1,680	1,600	1,640	1,360	1,310	1,340	1,260	1,150	1,220	896	786	864
14	1,600	1,520	1,550	1,380	1,330	1,350	1,150	1,030	1,100	818	714	755
15	1,520	1,430	1,500	1,350	1,260	1,310	1,120	1,010	1,070	790	699	735
16	1,430	1,380	1,400	1,270	1,230	1,240	1,040	800	912	843	750	792
17	1,430	1,400	1,410	1,250	1,190	1,210	818	791	803	753	518	657
18	1,440	1,390	1,410	1,220	1,180	1,210	850	811	832	575	411	505
19	1,440	1,440	1,440	1,220	1,170	1,200	944	811	855	543	491	518
20	1,460	1,440	1,450	1,230	1,190	1,200	880	841	860	529	470	486
21	1,470	1,460	1,460	1,240	1,220	1,230	935	880	904	479	455	465
22	1,500	1,460	1,480	1,260	1,230	1,250	971	934	944	472	452	461
23	1,500	1,480	1,490	1,360	1,250	1,300	1,030	971	1,000	465	434	450
24	1,500	1,490	1,490	1,370	1,340	1,350	1,030	991	1,000	449	419	431
25	1,510	1,470	1,490	1,430	1,320	1,360	1,020	988	1,000	423	403	413
26	1,500	1,460	1,480	1,330	1,260	1,290	1,030	1,010	1,020	406	389	398
27	1,480	1,460	1,460	1,260	1,210	1,220	1,020	941	997	399	389	395
28	1,470	1,440	1,460	1,230	1,190	1,210	941	850	890	396	365	383
29	---	---	---	1,230	1,190	1,200	859	782	806	379	345	359
30	---	---	---	1,230	1,200	1,210	783	733	751	350	339	345
31	---	---	---	1,240	1,180	1,220	---	---	---	347	341	344
MONTH	1,680	1,380	1,490	1,440	1,170	1,300	1,370	733	1,060	915	339	622

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	347	336	341	839	796	815	1,140	1,110	1,120	1,240	1,210	1,230
2	346	334	338	910	839	881	1,180	1,140	1,160	1,260	1,230	1,250
3	348	332	339	921	887	904	1,210	1,180	1,190	1,260	1,240	1,250
4	375	348	364	927	879	904	1,220	1,200	1,210	1,270	1,250	1,260
5	402	374	392	952	862	922	1,220	1,200	1,200	1,280	1,260	1,270
6	444	399	424	973	938	957	1,230	1,200	1,220	1,290	1,230	1,280
7	492	444	468	971	937	956	1,220	1,190	1,200	1,400	1,160	1,260
8	532	492	515	980	953	964	1,210	1,170	1,200	1,320	1,220	1,260
9	556	532	544	1,000	964	986	1,190	1,140	1,170	1,240	1,190	1,210
10	562	552	557	1,020	996	1,010	1,200	1,170	1,190	1,240	1,010	1,150
11	554	539	545	1,010	996	1,000	1,190	1,170	1,180	1,220	1,110	1,160
12	554	544	549	1,000	979	991	1,190	1,170	1,180	1,240	1,160	1,200
13	553	545	548	1,020	981	991	1,210	1,170	1,190	1,170	1,130	1,150
14	557	543	549	1,050	1,010	1,040	1,170	1,140	1,160	1,140	1,130	1,140
15	574	557	566	1,080	1,050	1,060	1,140	1,120	1,140	1,170	1,140	1,160
16	590	574	585	1,080	1,060	1,070	1,120	1,080	1,100	1,170	1,150	1,160
17	590	577	584	1,090	1,060	1,080	1,080	1,040	1,050	1,190	1,170	1,180
18	613	581	597	1,110	1,070	1,090	1,050	1,040	1,040	1,210	1,180	1,200
19	650	613	637	1,120	1,100	1,120	1,050	1,030	1,040	1,220	1,200	1,210
20	696	650	670	1,120	1,100	1,110	1,030	998	1,020	1,230	1,220	1,220
21	709	670	685	1,130	1,100	1,110	1,040	986	1,010	1,220	1,210	1,220
22	710	673	695	1,120	1,100	1,110	1,020	992	1,010	1,210	1,200	1,200
23	731	707	720	1,150	1,100	1,120	998	959	985	1,210	1,190	1,200
24	758	725	737	1,150	1,140	1,140	---	967	---	1,210	1,190	1,200
25	777	758	767	1,150	1,130	1,140	---	---	---	1,230	1,200	1,220
26	807	758	779	1,150	1,130	1,140	---	---	---	1,240	1,220	1,230
27	855	807	836	1,190	1,140	1,170	---	1,220	---	1,240	1,230	1,240
28	866	830	848	1,200	1,150	1,180	1,250	1,220	1,230	1,230	1,210	1,220
29	833	798	815	1,150	1,100	1,130	1,230	1,220	1,220	1,220	1,200	1,210
30	808	792	798	1,100	1,050	1,080	1,240	1,220	1,230	1,210	1,190	1,200
31	---	---	---	1,170	1,080	1,120	1,230	1,210	1,220	---	---	---
MONTH	866	332	593	1,200	796	1,040	---	---	---	1,400	1,010	1,210

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.8	14.1	14.9	9.8	8.7	9.2	3.9	2.5	3.1	1.0	0.0	0.5
2	14.9	13.9	14.4	8.9	7.2	8.2	4.5	2.9	3.6	1.8	0.6	1.1
3	13.9	12.8	13.1	7.2	6.0	6.6	4.5	3.3	3.9	1.3	0.2	0.7
4	13.2	12.0	12.7	6.9	5.8	6.2	4.2	3.1	3.6	1.3	0.0	0.5
5	14.3	12.2	13.2	6.5	4.9	5.6	4.6	3.1	3.7	1.0	0.2	0.6
6	14.8	12.5	13.6	6.5	4.8	5.6	4.0	3.1	3.5	1.8	0.2	1.0
7	15.3	13.0	14.1	6.3	4.8	5.6	3.8	2.7	3.2	2.0	0.8	1.4
8	15.6	13.4	14.5	6.2	5.5	5.9	3.7	2.6	3.1	1.7	0.5	1.1
9	15.5	13.5	14.5	6.8	6.0	6.4	3.1	2.1	2.6	1.5	0.3	0.9
10	15.3	13.3	14.3	6.4	5.6	6.0	2.4	1.5	1.9	2.5	1.4	1.8
11	15.0	13.3	14.2	6.6	5.5	6.0	2.1	0.8	1.4	3.5	2.4	2.8
12	14.6	12.7	13.7	5.9	4.9	5.4	2.5	1.3	1.9	3.2	2.4	2.8
13	13.5	11.6	12.7	5.1	4.3	4.7	2.4	1.1	1.7	3.4	2.1	2.7
14	12.8	11.0	12.0	5.7	4.2	4.9	2.2	1.1	1.7	3.3	2.1	2.7
15	12.5	10.6	11.5	6.1	4.8	5.4	2.3	1.4	1.8	4.2	2.8	3.3
16	12.5	10.4	11.4	5.3	4.2	4.7	2.7	1.4	2.0	3.6	2.1	2.7
17	12.5	10.5	11.5	4.7	3.7	4.2	3.7	2.6	3.1	2.7	1.5	2.1
18	12.5	10.7	11.6	4.7	3.4	4.0	3.4	2.7	3.1	2.5	1.1	1.8
19	12.2	10.5	11.4	4.8	3.4	4.0	2.9	2.0	2.4	2.2	0.9	1.6
20	11.8	10.1	11.0	4.9	3.4	4.1	2.1	1.4	1.8	2.1	0.7	1.4
21	11.6	9.8	10.7	5.1	3.5	4.3	1.8	1.0	1.3	2.4	0.8	1.6
22	11.4	10.0	10.6	5.3	3.8	4.5	1.7	0.7	1.2	2.9	0.9	1.9
23	11.9	10.7	11.2	5.9	4.4	5.1	1.2	0.1	0.6	3.9	2.0	2.8
24	11.7	10.5	11.1	5.9	4.6	5.2	1.0	0.2	0.6	3.8	2.7	3.3
25	11.4	9.7	10.6	6.0	5.0	5.5	1.6	0.6	1.0	4.8	3.0	3.8
26	10.8	9.5	10.1	5.0	3.8	4.3	1.1	0.2	0.6	5.0	3.4	4.2
27	10.5	9.1	9.6	3.8	2.6	3.2	0.8	0.0	0.3	5.1	3.5	4.3
28	10.6	9.2	9.9	3.2	1.9	2.6	0.7	0.0	0.3	5.0	3.8	4.4
29	10.6	9.0	9.8	3.1	1.8	2.4	0.9	0.0	0.3	5.0	3.7	4.4
30	10.3	8.6	9.4	2.9	1.8	2.4	0.7	0.1	0.5	4.9	3.5	4.2
31	9.8	8.2	9.1	---	---	---	0.8	0.1	0.4	5.6	3.7	4.6
MONTH	15.8	8.2	12.0	9.8	1.8	5.1	4.6	0.0	1.9	5.6	0.0	2.4
		FEBRUARY			MARCH			APRIL			MAY	
1	5.8	4.4	5.1	6.8	5.7	6.1	12.6	9.8	11.2	14.1	12.4	13.2
2	5.5	4.4	4.9	6.8	4.7	5.7	12.0	9.8	10.7	14.8	12.4	13.5
3	5.1	3.5	4.3	7.2	4.9	6.0	10.4	8.9	9.7	14.7	13.4	14.1
4	4.7	3.3	4.1	6.5	5.6	5.9	10.9	8.4	9.7	14.2	12.6	13.5
5	4.1	2.7	3.4	6.8	4.7	5.8	9.9	8.2	9.0	14.2	12.9	13.5
6	3.3	1.8	2.5	7.8	5.3	6.4	10.7	8.2	9.3	14.1	12.2	13.2
7	2.4	0.8	1.6	8.6	5.8	7.2	11.8	8.8	10.2	14.5	13.1	13.7
8	1.8	0.1	1.0	9.4	6.6	7.9	12.2	8.8	10.5	14.2	12.3	13.2
9	1.8	0.3	1.1	9.4	7.0	8.1	13.3	9.9	11.6	13.8	12.5	13.2
10	1.5	0.3	0.9	9.6	7.4	8.5	14.5	11.3	12.9	12.5	10.9	11.8
11	1.9	0.2	1.0	10.7	8.1	9.3	15.7	12.3	14.0	14.0	11.3	12.6
12	2.1	0.4	1.2	11.7	9.1	10.3	15.1	12.8	14.1	15.6	12.4	14.0
13	3.1	1.8	2.3	12.2	9.4	10.8	15.8	12.8	14.3	16.4	14.4	15.3
14	3.8	2.6	3.2	11.9	10.0	11.0	15.2	13.6	14.4	17.0	14.9	16.0
15	5.3	3.4	4.2	11.2	9.5	10.4	14.7	11.8	12.9	16.7	15.7	16.3
16	5.3	4.1	4.7	10.4	9.8	10.1	13.8	10.8	12.2	17.4	14.8	16.1
17	6.2	4.4	5.2	10.1	9.1	9.6	13.7	11.7	12.6	17.2	16.1	16.7
18	7.0	5.1	6.0	9.6	8.2	8.8	13.4	10.9	12.0	16.7	14.9	15.8
19	7.3	5.4	6.3	8.9	7.6	8.2	12.9	10.7	11.8	15.0	13.2	14.2
20	7.1	5.0	6.1	8.8	7.2	8.0	14.5	11.2	12.7	14.5	12.5	13.6
21	7.2	5.1	6.2	10.4	7.2	8.7	13.9	12.2	13.1	15.3	13.4	14.4
22	6.7	5.2	6.0	11.3	8.1	9.6	13.9	12.2	12.9	15.9	13.9	15.0
23	5.9	4.0	5.0	12.5	9.3	10.9	12.6	11.2	11.7	16.3	14.5	15.5
24	6.0	4.1	5.0	12.4	10.9	11.7	14.0	10.4	12.0	16.2	14.9	15.6
25	5.9	5.0	5.4	13.3	10.3	11.7	15.2	12.3	13.7	15.5	14.6	15.1
26	5.7	4.9	5.3	12.0	10.6	11.2	16.1	13.5	14.7	15.5	14.2	14.9
27	6.1	4.5	5.3	10.6	8.7	9.7	16.3	13.8	15.1	16.3	14.4	15.3
28	6.8	5.2	5.9	9.7	7.2	8.3	15.8	14.1	15.1	16.7	15.1	15.9
29	---	---	---	9.8	6.8	8.1	15.0	13.4	14.3	16.3	15.3	15.9
30	---	---	---	10.7	7.1	8.8	14.3	12.9	13.6	16.3	15.2	15.6
31	---	---	---	---	8.2	---	---	---	---	15.9	14.6	15.2
MONTH	7.3	0.1	4.0	---	4.7	---	16.3	8.2	12.4	17.4	10.9	14.6

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.8	14.4	15.1	23.2	21.2	22.1	25.8	23.2	24.4	23.2	20.6	21.9
2	15.4	14.3	14.8	23.3	21.0	22.1	25.4	23.5	24.6	22.4	20.8	21.4
3	14.9	13.5	14.3	23.5	21.0	22.2	24.9	23.0	23.9	22.8	19.7	21.1
4	15.5	14.0	14.8	23.9	21.2	22.4	25.7	22.9	24.2	22.9	20.7	21.8
5	15.9	14.5	15.2	24.2	21.9	22.9	25.7	23.1	24.5	22.7	19.8	21.6
6	16.3	14.5	15.4	24.3	21.9	23.0	25.5	23.2	24.5	21.2	19.5	20.2
7	16.4	14.8	15.6	24.0	21.6	22.7	24.9	23.2	24.0	20.6	18.1	19.4
8	16.8	14.5	15.8	24.0	21.5	22.7	25.2	22.1	23.5	20.8	19.2	19.9
9	17.5	15.6	16.7	24.8	21.6	23.1	25.8	23.1	24.4	19.8	18.0	18.9
10	18.1	15.9	17.1	25.4	22.0	23.6	26.6	23.6	24.9	18.0	14.0	16.1
11	18.2	15.8	17.1	24.8	22.2	23.6	26.7	24.0	25.3	16.7	14.7	15.7
12	18.1	16.3	17.3	25.3	22.4	23.8	26.6	24.2	25.3	17.0	15.4	16.2
13	18.4	16.4	17.4	25.4	22.8	24.1	26.2	23.8	25.1	17.3	16.0	16.6
14	19.0	16.6	17.8	26.3	23.2	24.6	26.9	24.4	25.6	16.9	14.8	15.9
15	19.5	17.0	18.3	25.8	23.6	24.8	25.9	23.1	24.3	17.2	14.9	16.1
16	19.6	17.6	18.8	25.8	23.0	24.3	24.9	23.1	23.7	17.7	15.7	16.6
17	19.3	17.1	18.4	26.6	23.2	24.8	24.2	21.4	22.8	17.5	15.6	16.5
18	19.4	17.3	18.4	27.5	24.3	25.8	23.8	22.2	23.0	16.3	14.2	15.2
19	19.4	17.7	18.5	27.6	24.9	26.2	23.7	21.3	22.5	16.1	14.0	15.1
20	18.3	17.0	17.4	27.1	24.8	25.9	24.2	21.5	22.8	16.5	14.2	15.3
21	18.2	16.1	17.2	27.1	24.2	25.5	24.4	22.1	23.2	17.0	14.7	15.7
22	19.0	16.9	18.0	27.5	25.1	26.2	24.4	21.9	23.1	17.1	14.8	15.9
23	19.2	17.7	18.5	26.4	24.6	25.5	24.7	22.0	23.3	17.5	15.1	16.2
24	19.0	17.2	17.7	26.8	24.0	25.2	24.2	22.6	23.3	17.9	15.4	16.5
25	18.7	16.8	17.7	26.2	24.1	25.2	24.8	22.5	23.6	17.8	15.3	16.5
26	20.1	17.8	18.9	27.3	24.9	26.0	25.0	22.5	23.8	17.9	15.3	16.5
27	21.1	18.9	20.0	26.4	24.3	25.4	24.2	22.7	23.2	18.4	15.6	16.9
28	21.9	19.7	20.8	27.3	24.4	25.6	23.9	21.2	22.5	18.5	16.1	17.3
29	22.8	20.4	21.5	26.6	24.5	25.5	24.3	21.7	22.9	18.5	16.1	17.3
30	22.8	20.8	21.9	26.7	23.9	25.3	23.7	21.7	22.7	18.7	16.3	17.4
31	---	---	---	25.8	24.1	24.9	23.6	21.1	22.3	---	---	---
MONTH	22.8	13.5	17.5	27.6	21.0	24.4	26.9	21.1	23.8	23.2	14.0	17.6