

09165000 DOLORES RIVER BELOW RICO, CO

LOCATION.--Lat 37°38'20", long 108°03'35", Dolores County, Hydrologic Unit 14030002, on left bank at upstream side of Montelores bridge northwest of State Highway 145, at Dolores-Montezuma County line, 0.5 mi upstream from Ryman Creek, and 4.0 mi southwest of Rico.

DRAINAGE AREA.--105 mi².

PERIOD OF RECORD.--October 1951 to September 1996, October 1998 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=09165000

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,422.23 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion 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 OUTSIDE PERIOD OF RECORD.--Greatest flood since at least 1885 occurred Oct. 5, 1911.

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	31	23	e11	e11	e11	e9.1	e46	268	737	62	36	61
2	36	23	e11	e11	e11	e8.7	e47	269	731	62	32	53
3	49	17	e10	e11	e11	e8.4	e49	298	667	59	32	46
4	40	23	e10	e11	e11	e8.8	e52	306	605	55	34	44
5	44	19	e10	e11	e11	e10	e58	216	536	50	25	45
6	41	20	e10	e11	e11	e11	e64	182	445	46	22	63
7	41	20	e10	e11	e10	e13	e65	171	383	42	25	69
8	40	22	e10	e11	e10	e14	e65	160	352	40	31	53
9	39	25	e10	e11	e10	e14	e64	138	338	38	23	152
10	37	26	e11	e11	e9.9	e15	e64	133	317	36	21	411
11	35	23	e11	e11	e9.8	e18	e68	145	289	33	24	270
12	33	23	e11	e11	e9.8	e24	e74	225	252	32	24	224
13	31	27	e11	e11	e9.2	e26	e81	306	216	30	44	216
14	30	21	e11	e10	e9.2	e30	e90	363	190	28	114	178
15	28	19	e11	e10	e9.2	e34	e97	413	183	28	65	142
16	26	19	e11	e9.9	e9.2	e44	e97	449	176	30	66	120
17	25	22	e11	e9.5	e9.7	e48	e97	544	151	35	66	106
18	27	19	e11	e9.4	e9.8	e47	e101	528	141	39	57	93
19	23	17	e11	e9.1	e9.8	e39	e108	521	141	31	57	83
20	22	14	e11	e9.1	e9.8	e37	e119	561	147	29	42	74
21	22	12	e11	e9.2	e9.8	e35	e125	647	120	27	37	68
22	23	12	e11	e9.6	e9.1	e37	e126	757	114	29	35	61
23	25	13	e11	e9.8	e8.6	e40	111	782	110	31	50	57
24	27	13	e11	e9.9	e8.8	e52	105	740	100	28	55	52
25	23	11	e11	e9.9	e8.8	e63	136	727	89	25	85	49
26	24	e12	e11	e9.9	e8.8	e66	202	763	84	25	59	45
27	25	14	e11	e10	e9.2	e66	270	822	81	29	56	43
28	21	11	e11	e10	e9.2	e64	308	890	77	36	101	41
29	24	9.1	e11	e10	---	e59	289	863	72	91	98	39
30	23	e10	e11	e10	---	e56	263	799	69	41	92	37
31	24	---	e11	e10	---	e50	---	794	---	33	79	---
TOTAL	939	539.1	334	318.3	273.7	1,047.0	3,441	14,780	7,913	1,200	1,587	2,995
MEAN	30.3	18.0	10.8	10.3	9.78	33.8	115	477	264	38.7	51.2	99.8
MAX	49	27	11	11	11	66	308	890	737	91	114	411
MIN	21	9.1	10	9.1	8.6	8.4	46	133	69	25	21	37
AC-FT	1,860	1,070	662	631	543	2,080	6,830	29,320	15,700	2,380	3,150	5,940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	43.2	28.9	21.6	18.6	18.3	31.2	128	451	535	164	81.1	62.3
MAX	133	65.9	42.6	37.7	33.7	72.2	242	1,015	1,288	646	267	224
(WY)	(1973)	(1987)	(1958)	(1958)	(1984)	(1972)	(1962)	(1958)	(1957)	(1957)	(1999)	(1982)
MIN	14.5	12.1	7.81	7.74	7.49	11.0	42.9	98.9	36.3	16.7	14.2	17.1
(WY)	(1957)	(1957)	(1990)	(1990)	(1994)	(1964)	(1975)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1952 - 2003
ANNUAL TOTAL	13,362.2	35,367.1	
ANNUAL MEAN	36.6	96.9	132
HIGHEST ANNUAL MEAN			230 1957
LOWEST ANNUAL MEAN			37.8 2002
HIGHEST DAILY MEAN	e152 Apr 6	890 May 28	1,810 Jun 10, 1952
LOWEST DAILY MEAN	e7.4 Mar 8	e8.4 Mar 3	4.8 Nov 29, 1989
ANNUAL SEVEN-DAY MINIMUM	9.8 Aug 13	e8.9 Feb 25	6.3 Dec 11, 1989
MAXIMUM PEAK FLOW		1,000 May 28	a2,170 May 24, 1984
MAXIMUM PEAK STAGE		4.90 May 28	b5.95 May 24, 1984
ANNUAL RUNOFF (AC-FT)	26,500	70,150	95,800
10 PERCENT EXCEEDS	108	270	390
50 PERCENT EXCEEDS	22	34	39
90 PERCENT EXCEEDS	11	10	15

e Estimated.

a From rating curve extended above 1620 ft³/s.

b Maximum gage height, 6.15 ft, Jun 10, 1952. .

09166500 DOLORES RIVER AT DOLORES, CO

LOCATION.--Lat 37°28'21", long 108°29'49", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.37 N., R.15 W., Montezuma County, Hydrologic Unit 14030002, on left bank 0.30 mi upstream from bridge on State Highway 184 in Dolores and 0.8 mi upstream from Lost Canyon Creek.

DRAINAGE AREA.--504 mi².

PERIOD OF RECORD.--June 1895 to October 1903, August 1910 to November 1912, October 1921 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=09166500

REVISED RECORDS.--WSP 859: 1937. WRD Colo. 1972: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,940 ft above NGVD of 1929, from topographic map. See WSP 1713 or 1733 for history of changes prior to Oct. 7, 1952. Oct. 7, 1952 to Nov. 16, 1983, at site 0.4 mi downstream at different datum.

REMARKS.--Records good except for Sep. 15-30 and estimated daily discharges, which are poor. Diversions for irrigation of about 2,000 acres upstream from station. Flow partly regulated by Ground Hog Reservoir, capacity, 21,710 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	71	67	e69	e22	e28	e29	146	931	1,430	152	127	218
2	74	64	e62	e24	e35	e19	176	894	1,430	148	120	184
3	117	61	e68	e34	e34	e18	158	893	1,270	150	126	171
4	112	55	e71	e38	e25	e38	133	995	1,120	143	116	158
5	97	55	e60	e25	e28	e40	136	792	986	137	103	168
6	99	48	e59	e27	e24	e42	132	661	833	126	83	185
7	94	51	e55	e37	e17	e46	118	602	720	118	74	242
8	90	61	e36	e35	e19	46	104	576	659	115	83	203
9	85	97	e29	e40	e22	47	139	518	638	110	88	254
10	81	96	e33	e44	e28	54	212	472	603	99	77	1,210
11	77	76	e28	e27	e28	64	328	444	578	136	78	800
12	71	59	e25	e16	e57	75	445	560	522	135	79	594
13	70	61	e34	e25	e69	87	485	787	453	134	99	523
14	68	70	e40	e36	e69	106	633	854	404	127	242	449
15	65	68	e24	e41	e52	111	729	1,120	382	124	209	372
16	58	50	e39	e34	e35	124	539	1,080	377	125	171	316
17	58	e47	e53	e32	e33	121	580	1,490	338	135	182	270
18	59	e47	e47	e20	e43	99	593	1,450	310	140	166	236
19	57	e51	e35	e12	e39	92	480	1,420	297	138	159	209
20	54	e46	e28	e21	e38	87	436	1,410	325	140	137	186
21	52	e46	e22	e30	e39	e97	539	1,500	278	134	131	169
22	52	e50	e20	e37	e23	90	641	1,680	257	137	137	155
23	63	e55	e20	e35	e19	107	543	1,750	248	138	123	139
24	73	58	e23	e35	e21	133	448	1,580	229	95	169	129
25	70	67	e23	e34	44	136	592	1,490	209	80	193	119
26	65	56	e24	e34	49	139	892	e1,620	196	74	177	110
27	74	79	e24	e26	48	134	1,070	e1,730	193	75	158	103
28	70	e74	e21	e28	e45	104	e1,020	1,880	185	99	227	96
29	70	e72	e20	e37	---	87	e934	1,820	176	169	295	87
30	68	e72	e20	e34	---	98	e941	1,660	171	180	265	78
31	65	---	e21	e29	---	e123	---	1,590	---	131	287	---
TOTAL	2,279	1,859	1,133	949	1,011	2,593	14,322	36,249	15,817	3,944	4,681	8,133
MEAN	73.5	62.0	36.5	30.6	36.1	83.6	477	1,169	527	127	151	271
MAX	117	97	71	44	69	139	1,070	1,880	1,430	180	295	1,210
MIN	52	46	20	12	17	18	104	444	171	74	74	78
AC-FT	4,520	3,690	2,250	1,880	2,010	5,140	28,410	71,900	31,370	7,820	9,280	16,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2003, BY WATER YEAR (WY)

MEAN	133	83.7	58.7	52.2	56.2	129	741	1,732	1,344	403	237	182
MAX	1,247	453	199	151	140	458	1,955	3,625	3,470	1,490	650	1,354
(WY)	(1942)	(1942)	(1987)	(1987)	(1987)	(1997)	(1942)	(1922)	(1957)	(1957)	(1999)	(1927)
MIN	26.0	20.0	19.8	19.3	20.0	25.0	158	235	67.2	55.4	29.0	33.5
(WY)	(1902)	(1902)	(1990)	(1990)	(1902)	(1899)	(1977)	(1977)	(2002)	(1934)	(1900)	(1899)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1896 - 2003

ANNUAL TOTAL	36,875	92,970										
ANNUAL MEAN	101	255								430		
HIGHEST ANNUAL MEAN										790	1942	
LOWEST ANNUAL MEAN										87.0	1977	
HIGHEST DAILY MEAN	444	Apr 15					1,880	May 28		6,950	May 5, 1922	
LOWEST DAILY MEAN	12	Aug 28					e12	Jan 19		8.0	Aug 16, 1896	
ANNUAL SEVEN-DAY MINIMUM	16	Aug 23					22	Dec 26		12	Aug 10, 1896	
MAXIMUM PEAK FLOW							2,140	May 28		a10,000	Oct 5, 1911	
MAXIMUM PEAK STAGE							4.79	May 28		10.20	Oct 5, 1911	
ANNUAL RUNOFF (AC-FT)	73,140						184,400			311,800		
10 PERCENT EXCEEDS	297						789			1,390		
50 PERCENT EXCEEDS	53						99			120		
90 PERCENT EXCEEDS	24						28			40		

e Estimated.

a Site and datum then in use, from rating curve extended above 2800 ft³/s.

09166950 LOST CANYON CREEK NEAR DOLORES, CO

LOCATION.--Lat 37°26'46", long 108°28'07", in SE¼SE¼ sec.23, T.37N., R.15W., Montezuma County, Hydrologic Unit 14030002, on right bank 2.5 mi southeast of Dolores and 3.0 mi upstream from mouth.

DRAINAGE AREA.--71.3 mi².

PERIOD OF RECORD.--April 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09166950

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,030 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several small storage reservoirs and diversions for irrigation of about 4,700 acres in the San Juan River basin and one diversion for irrigation of about 10 acres in Lost Canyon in the Dolores 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	0.00	0.00	0.00	0.00	0.47	e1.2	12	21	0.66	0.00	0.21	0.00
2	0.00	0.00	0.00	0.00	0.60	e1.1	16	11	0.49	0.00	0.20	0.00
3	0.04	0.00	0.00	0.00	0.64	e1.2	12	5.8	0.37	0.00	0.22	0.00
4	0.00	0.00	0.00	0.00	0.58	1.2	9.3	4.6	0.26	0.00	0.14	0.00
5	0.00	0.00	0.00	0.00	0.56	1.4	8.4	3.2	0.17	0.00	0.07	0.00
6	0.00	0.00	0.00	0.00	0.51	1.3	7.3	2.5	0.11	0.00	0.01	0.00
7	0.00	0.00	0.00	0.00	0.44	1.4	6.5	2.1	0.07	0.00	0.00	0.00
8	0.00	0.00	0.00	e0.00	0.31	1.5	5.3	1.9	0.03	0.00	0.00	e0.00
9	0.00	0.01	0.00	e0.00	0.22	1.8	6.8	1.8	0.02	0.00	0.00	0.80
10	0.00	0.00	0.00	e0.00	0.20	2.1	12	1.7	0.01	0.00	0.00	0.04
11	0.00	0.00	0.00	0.00	0.22	2.7	18	1.6	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.23	3.4	22	1.5	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.76	4.8	20	1.4	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	e1.2	5.8	98	1.5	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	e1.5	7.1	111	1.7	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	e1.6	9.0	40	2.0	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	e1.8	11	39	2.1	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	e1.9	10	48	2.3	0.00	0.02	0.00	0.00
19	0.00	0.00	0.00	0.00	e1.8	10	14	2.2	0.00	0.23	0.00	e0.00
20	0.00	0.00	0.00	0.00	1.6	8.7	6.9	2.0	0.00	0.27	0.00	0.00
21	0.00	0.00	0.00	0.00	1.4	8.5	25	1.8	0.00	0.28	0.00	0.00
22	0.00	0.00	0.00	0.00	1.3	11	41	1.8	0.00	0.29	0.00	0.00
23	0.00	0.00	0.00	0.00	1.2	15	19	1.7	0.00	0.18	0.00	0.00
24	0.00	0.00	0.00	0.00	1.1	20	6.3	1.6	0.00	0.08	0.00	0.00
25	0.00	0.00	0.00	0.00	1.2	22	13	1.6	0.00	0.09	0.00	0.00
26	0.00	0.00	0.00	0.26	1.2	25	52	1.5	0.00	0.12	0.00	0.00
27	0.00	0.00	0.00	0.25	1.2	22	96	1.3	0.00	0.35	0.00	0.00
28	0.00	0.00	0.00	0.28	e1.2	15	80	1.2	0.00	0.59	0.00	0.00
29	0.00	0.00	0.00	0.30	---	12	75	2.0	0.00	0.63	0.00	0.00
30	0.00	0.00	0.00	0.38	---	8.7	29	1.2	0.00	0.27	0.00	0.00
31	0.00	---	0.00	0.43	---	e8.0	---	0.84	---	0.24	0.00	---
TOTAL	0.04	0.01	0.00	1.90	26.94	253.9	948.8	90.44	2.19	3.64	0.85	0.84
MEAN	0.001	0.000	0.000	0.061	0.96	8.19	31.6	2.92	0.073	0.12	0.027	0.028
MAX	0.04	0.01	0.00	0.43	1.9	25	111	21	0.66	0.63	0.22	0.80
MIN	0.00	0.00	0.00	0.00	0.20	1.1	5.3	0.84	0.00	0.00	0.00	0.00
AC-FT	0.08	0.02	0.00	3.8	53	504	1,880	179	4.3	7.2	1.7	1.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

	2.09	3.97	1.94	1.42	2.19	31.1	105	98.3	8.95	0.23	0.59	1.00
MAX	17.7	45.2	14.8	5.00	6.85	110	265	293	91.2	0.96	7.00	6.05
(WY)	(1987)	(1987)	(1987)	(1987)	(1997)	(1997)	(1987)	(1993)	(1995)	(1999)	(1999)	(1999)
MIN	0.000	0.000	0.000	0.000	0.000	0.69	0.79	0.13	0.000	0.000	0.000	0.000
(WY)	(1990)	(1990)	(1990)	(1990)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)	(1990)	(1984)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1984 - 2003

ANNUAL TOTAL	63.74	1,329.55	21.0
ANNUAL MEAN	0.17	3.64	49.9
HIGHEST ANNUAL MEAN			1993
LOWEST ANNUAL MEAN			0.17
HIGHEST DAILY MEAN	1.3	Apr 17	555
LOWEST DAILY MEAN	0.00	Jan 1	Apr 2, 1986
ANNUAL SEVEN-DAY MINIMUM	0.00	May 18	0.00
MAXIMUM PEAK FLOW			Oct 1
MAXIMUM PEAK STAGE			Oct 4
ANNUAL RUNOFF (AC-FT)	126	2,640	744
10 PERCENT EXCEEDS	0.67	9.1	Apr 27
50 PERCENT EXCEEDS	0.00	0.00	Apr 27
90 PERCENT EXCEEDS	0.00	0.00	7.23
			15,240
			68
			0.90
			0.00

e Estimated.

a No flow many days each year.

09168730 DOLORES RIVER NEAR SLICK ROCK, CO

LOCATION.--Lat 38°02'40", long 108°54'17", in NE¹/₄SE¹/₄ sec.25, T.44 N., R.19 W., San Miguel County, Hydrologic Unit 14030002, on left bank 15 ft downstream from county road S-8 bridge, 0.7 mi upstream from Summit Canyon, 1.2 mi northwest of Slick Rock Post Office, and 2 mi downstream from Colo. Hwy. 141 at Slick Rock Bridge.

DRAINAGE AREA.--1,432 mi².

PERIOD OF RECORD.--May 1997 to June 1999 (seasonal records only), October 1999 to September 2000, October 2000 to June 2003 (seasonal records only), discontinued. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09168730

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for several hundred acres upstream for irrigation and municipal water supply for city of Dove Creek. Also diversions upstream from station for irrigation in the San Juan River basin amount to about 74,760 acres. Flow regulated since Mar. 19, 1984, by McPhee Reservoir, capacity 381,000 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.--Maximum discharge, 3,740 ft³/s, May 7, 1998, gage height, 10.18 ft; minimum daily, 1.0 ft³/s, June 11, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major flows occurred in Oct. 1911, Sept. 1970, and Apr. 1973. Minimum flow not determined.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 474 ft³/s, Apr. 12, gage height, 5.83 ft; minimum daily, 1.8 ft³/s, June 22.

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	---	---	---	---	---	18	72	39	40	---	---	---
2	---	---	---	---	---	17	154	39	26	---	---	---
3	---	---	---	---	---	e17	147	38	21	---	---	---
4	---	---	---	---	---	e13	112	35	18	---	---	---
5	---	---	---	---	---	e12	90	36	14	---	---	---
6	---	---	---	---	---	e13	99	32	10	---	---	---
7	---	---	---	---	---	e12	90	26	7.9	---	---	---
8	---	---	---	---	---	e12	75	21	6.4	---	---	---
9	---	---	---	---	---	e12	67	19	6.6	---	---	---
10	---	---	---	---	---	e13	173	17	7.7	---	---	---
11	---	---	---	---	---	e18	280	15	5.7	---	---	---
12	---	---	---	---	---	18	286	16	4.9	---	---	---
13	---	---	---	---	---	42	183	15	4.2	---	---	---
14	---	---	---	---	---	52	166	22	4.4	---	---	---
15	---	---	---	---	---	50	127	35	6.0	---	---	---
16	---	---	---	---	---	48	117	43	6.0	---	---	---
17	---	---	---	---	---	59	97	41	4.7	---	---	---
18	---	---	---	---	---	78	83	49	4.1	---	---	---
19	---	---	---	---	---	57	71	48	4.3	---	---	---
20	---	---	---	---	---	41	60	45	3.8	---	---	---
21	---	---	---	---	---	33	52	42	2.7	---	---	---
22	---	---	---	---	---	29	47	43	1.8	---	---	---
23	---	---	---	---	---	32	49	41	4.2	---	---	---
24	---	---	---	---	---	40	47	42	21	---	---	---
25	---	---	---	---	---	80	43	40	22	---	---	---
26	---	---	---	---	---	105	39	39	23	---	---	---
27	---	---	---	---	---	115	43	36	23	---	---	---
28	---	---	---	---	---	99	50	35	24	---	---	---
29	---	---	---	---	---	76	47	34	22	---	---	---
30	---	---	---	---	---	e63	40	34	23	---	---	---
31	---	---	---	---	---	e56	---	30	---	---	---	---
TOTAL	---	---	---	---	---	1,330	3,006	1,047	372.4	---	---	---
MEAN	---	---	---	---	---	42.9	100	33.8	12.4	---	---	---
MAX	---	---	---	---	---	115	286	49	40	---	---	---
MIN	---	---	---	---	---	12	39	15	1.8	---	---	---
AC-FT	---	---	---	---	---	2,640	5,960	2,080	739	---	---	---

e Estimated.

09169500 DOLORES RIVER AT BEDROCK, CO

LOCATION.--Lat 38°18'37", long 108°53'05", in NW¹/₄SW¹/₄ sec.20, T.47 N., R.18 W., Montrose County, Hydrologic Unit 14030002, on right bank at upstream side of bridge, 0.4 mi southeast of Bedrock, and 3.1 mi upstream from East Paradox Creek.

DRAINAGE AREA.--2,024 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1917 to September 1922 (monthly discharge only for some periods, published in WSP 1313), August 1971 to current year. Statistical summary computed for 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=09169500

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,940 ft above NGVD of 1929, from topographic map. Prior to Aug. 1, 1971, nonrecording gage at different datum.

REMARKS.--Records fair except those for Apr. 13-23 and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 5,000 acres upstream from station, and about 74,760 acres in the San Juan River basin. Flow regulated since Mar. 19, 1984, by McPhee Reservoir, capacity 381,000 acre-ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 7.15 ft, present datum, from floodmarks (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	7.4	22	e19	e22	24	36	60	51	37	18	32	44
2	8.0	18	e19	e22	23	32	71	47	40	17	31	21
3	25	17	e19	e22	e23	29	161	46	33	18	101	14
4	80	17	e19	e22	e23	28	148	45	26	17	122	12
5	64	15	e20	e22	e23	24	116	43	22	17	33	64
6	29	15	e20	e22	e23	24	93	42	19	18	19	47
7	21	15	e20	e22	e22	25	102	40	16	18	17	84
8	17	15	e19	e22	e22	24	93	35	15	17	14	40
9	14	124	e17	e22	e23	24	79	32	13	16	11	61
10	12	271	e18	22	e23	24	72	29	12	16	13	1,140
11	11	56	e19	e22	e25	25	203	28	11	16	8.4	655
12	9.6	34	e19	e22	e29	30	316	26	12	16	9.7	103
13	9.3	28	e19	e22	36	31	323	24	12	16	9.8	50
14	9.7	26	e20	e22	79	40	216	23	12	16	24	31
15	10	23	e21	e22	143	59	209	34	11	16	28	23
16	10	e22	e21	e22	93	57	167	45	10	16	105	19
17	10	e21	e21	e22	68	62	153	50	10	16	282	15
18	10	e23	e22	e23	60	61	116	50	11	16	93	13
19	10	22	e22	e23	48	80	106	58	13	15	48	12
20	9.6	21	e22	e23	39	69	89	54	14	16	107	12
21	10	21	e22	e23	32	56	75	51	12	19	34	12
22	11	21	e22	e23	29	44	70	46	9.5	16	43	12
23	11	22	e22	e23	25	39	61	46	7.9	15	30	12
24	12	22	22	e23	24	39	61	45	6.4	16	33	13
25	22	22	22	21	27	43	62	47	6.4	30	24	13
26	33	e22	e22	e21	28	79	60	44	12	26	28	13
27	46	e19	e22	21	29	115	52	41	19	19	19	13
28	145	e19	e22	e21	34	125	52	e39	19	19	17	13
29	61	e19	e22	e21	---	105	61	36	18	32	16	13
30	31	e19	e22	e22	---	83	61	36	19	33	14	13
31	32	---	e22	23	---	69	---	37	---	39	14	---
TOTAL	790.6	1,011	638	685	1,077	1,581	3,508	1,270	478.2	595	1,379.9	2,587
MEAN	25.5	33.7	20.6	22.1	38.5	51.0	117	41.0	15.9	19.2	44.5	86.2
MAX	145	271	22	23	143	125	323	58	40	39	282	1,140
MIN	7.4	15	17	21	22	24	52	23	6.4	15	8.4	12
AC-FT	1,570	2,010	1,270	1,360	2,140	3,140	6,960	2,520	949	1,180	2,740	5,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

	84.1	80.8	65.7	65.1	74.4	220	828	1,186	620	135	94.2	96.2
MEAN	84.1	80.8	65.7	65.1	74.4	220	828	1,186	620	135	94.2	96.2
MAX	257	399	254	198	181	774	2,551	3,243	1,794	626	242	332
(WY)	(1987)	(1987)	(1987)	(1985)	(1987)	(1985)	(1993)	(1993)	(1995)	(1995)	(1987)	(1999)
MIN	25.5	33.7	20.6	22.1	38.5	40.5	27.6	18.4	3.69	2.25	2.22	42.5
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(2000)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1985 - 2003

ANNUAL TOTAL	9,126.4		15,600.7			
ANNUAL MEAN	25.0		42.7			a296
HIGHEST ANNUAL MEAN						724
LOWEST ANNUAL MEAN						28.8
HIGHEST DAILY MEAN	388	Sep 12	1,140	Sep 10		4,690
LOWEST DAILY MEAN	1.4	Aug 19	6.4	Jun 24		b1.4
ANNUAL SEVEN-DAY MINIMUM	1.7	Jul 9	9.7	Jun 20		1.7
MAXIMUM PEAK FLOW			3,290	Sep 10		c5,230
MAXIMUM PEAK STAGE			7.56	Sep 10		9.12
ANNUAL RUNOFF (AC-FT)	18,100		30,940			214,600
10 PERCENT EXCEEDS	40		80			945
50 PERCENT EXCEEDS	21		23			71
90 PERCENT EXCEEDS	2.1		12			33

e Estimated.

a Average discharge for 17 years (water years 1918-22, 1972-83), 497 ft³/s; 36,0100 acre-ft/yr, prior to completion of McPhee Reservoir.

b Minimum daily discharge for period of record, no flow, Sep 13, 1974, Aug 15-18, 1978.

c Maximum discharge and stage for period of record, 9,280 ft³/s, Apr 30, 1973, gage height, 12.09 ft, from floodmarks.

09169500 DOLORES RIVER AT BEDROCK, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 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=09169500

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1979 to current year.

WATER TEMPERATURE: November 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1979 and water-quality monitor with satellite telemetry since July 1991 to current year.

REMARKS.-- Specific conductance record is good except Oct. 8, Feb. 24, 25, Apr. 1, 2 and Sept. 14 which are fair and May 21-28 and Sept. 15, 16 which are poor. Water temperature record is good except Aug. 28 to Sept. 30 which are poor. Daily data that are not published are due to probes being isolated.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 10,400 microsiemens/cm Sept. 8, 2002; minimum, 140 microsiemens/cm May 25, 1983.

WATER TEMPERATURE: Maximum, 33.5°C Aug. 7, 1981; minimum, -0.5°C Dec. 3-8, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 3,010 microsiemens/cm, June 27; minimum, 240 microsiemens/cm, Sept. 9.

WATER TEMPERATURE: Maximum, 32.1°C, July 18; minimum, -0.3°C, Dec. 19.

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

Date	Time	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)
NOV													
19...	0945	22	8.5	1,340	0.7	250	69.1	18.6	6.62	5	176	E149	284
DEC													
12...	1015	38	8.5	1,320	0.0	230	61.9	18.7	6.30	5	159	E146	280
FEB													
13...	0930	31	8.4	1,280	0.7	210	55.9	18.1	6.15	5	173	158	283
APR													
02...	0845	55	8.4	698	8.8	170	45.8	12.8	3.92	3	80.2	117	108
23...	0945	59	8.4	776	9.9	210	54.1	17.2	4.65	3	84.8	119	102
MAY													
28...	0845	40	8.3	998	20.0	240	61.4	20.0	4.89	3	102	120	133
JUN													
19...	0845	12	8.5	1,980	19.3	370	90.7	35.6	10.7	6	286	149	397
JUL													
09...	0845	16	8.5	1,090	20.2	170	41.0	15.8	6.79	5	141	125	225
AUG													
21...	1145	30	7.7	2,490	23.0	1,700	600	43.0	14.1	1	96.7	81	69.5

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)
NOV						
19...	<0.17	4.9	103	--	--	--
DEC						
12...	0.17	5.7	66.5	--	--	--
FEB						
13...	0.14	5.1	63.4	699	0.95	59.3
APR						
02...	0.14	5.8	59.9	387	0.53	57.6
23...	0.15	6.5	111	452	0.61	71.7
MAY						
28...	0.2	6.3	169	568	0.77	61.1
JUN						
19...	0.2	3.8	203	1,120	1.52	37.1
JUL						
09...	0.2	1.2	57.5	563	0.77	24.5
AUG						
21...	0.4	9.3	1,380	2,260	3.07	183

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

E -- Estimated laboratory analysis value.

DOLORES RIVER BASIN

09169500 DOLORES RIVER AT BEDROCK, 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	1,520	1,460	1,490	---	---	---	1,600	1,020	1,250	1,460	1,030	1,250
2	1,660	1,440	1,520	---	---	---	2,040	1,050	1,500	1,380	1,130	1,270
3	2,980	1,490	1,930	---	---	---	1,620	1,060	1,200	1,740	1,050	1,420
4	3,000	1,010	2,310	---	---	---	1,630	1,050	1,230	1,430	918	1,220
5	2,110	881	1,310	---	---	---	1,130	935	1,030	1,400	1,140	1,280
6	2,290	2,110	2,210	---	---	---	1,480	936	1,250	1,440	1,220	1,330
7	2,260	2,160	2,210	---	---	---	1,460	951	1,230	1,360	1,070	1,240
8	2,290	2,140	2,200	---	---	---	1,440	951	1,240	1,430	1,090	1,250
9	2,170	2,030	2,110	---	---	---	1,550	990	1,220	1,310	1,030	1,170
10	2,040	1,950	2,010	---	---	---	1,540	1,070	1,250	1,440	1,170	1,300
11	1,950	1,830	1,880	---	---	---	1,900	1,170	1,400	1,340	1,110	1,190
12	1,840	1,730	1,780	---	---	---	1,480	1,030	1,210	1,170	1,100	1,140
13	1,730	1,610	1,670	---	---	---	1,430	1,030	1,160	1,100	862	1,030
14	1,620	1,510	1,570	---	---	---	1,570	1,070	1,290	1,190	934	1,050
15	1,520	1,400	1,470	---	---	---	1,490	1,170	1,320	1,340	938	1,110
16	1,400	1,300	1,340	---	---	---	1,400	1,150	1,250	1,260	823	1,110
17	1,360	1,260	1,310	---	---	---	1,340	1,180	1,270	1,370	886	1,100
18	1,260	1,190	1,230	---	---	---	1,380	984	1,220	1,500	821	1,080
19	1,190	1,110	1,150	---	---	---	1,170	913	1,040	1,390	876	1,070
20	1,120	1,070	1,090	1,140	1,080	1,100	1,670	1,070	1,330	1,480	1,020	1,180
21	1,100	1,040	1,070	1,120	1,070	1,090	1,380	878	1,130	1,510	1,030	1,190
22	1,140	1,080	1,100	1,120	1,080	1,090	1,540	967	1,260	1,580	999	1,210
23	1,140	1,120	1,130	1,140	1,090	1,110	1,350	912	1,220	1,290	1,130	1,220
24	1,150	1,090	1,120	1,160	1,070	1,120	1,380	1,020	1,220	1,370	1,050	1,210
25	1,530	1,130	1,320	1,140	1,060	1,100	1,340	1,120	1,230	1,290	967	1,120
26	1,330	1,040	1,160	1,120	1,060	1,080	1,500	1,210	1,330	1,280	989	1,170
27	---	---	---	1,120	1,020	1,090	1,450	984	1,250	1,310	1,030	1,190
28	---	---	---	1,270	887	1,030	1,510	984	1,270	1,280	1,040	1,150
29	---	---	---	1,380	836	1,060	1,500	1,170	1,370	1,180	951	1,080
30	---	---	---	1,390	1,070	1,190	1,460	1,160	1,300	1,310	950	1,140
31	---	---	---	---	---	---	1,350	1,040	1,260	1,320	1,070	1,180
MONTH	---	---	---	---	---	---	2,040	878	1,250	1,740	821	1,180
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1,290	1,010	1,100	1,300	1,170	1,220	721	682	704	934	830	880
2	1,260	1,060	1,140	1,260	1,080	1,140	720	623	671	921	859	882
3	1,230	1,070	1,170	1,210	1,100	1,150	633	447	511	895	866	879
4	1,370	987	1,150	1,220	1,100	1,160	520	455	486	890	862	875
5	1,340	973	1,210	1,230	1,090	1,180	487	459	474	946	866	919
6	1,310	367	876	1,320	1,120	1,220	517	468	495	948	892	919
7	1,480	629	1,100	1,270	1,070	1,180	521	499	513	932	897	914
8	1,370	1,070	1,270	1,250	1,090	1,170	545	487	519	994	906	954
9	1,560	1,290	1,390	1,200	1,140	1,180	588	530	548	1,040	941	986
10	1,580	1,230	1,430	1,200	1,100	1,150	579	540	562	1,030	968	1,000
11	1,720	1,200	1,370	1,190	1,110	1,150	---	---	---	1,070	990	1,030
12	1,450	1,250	1,350	1,160	952	1,080	---	---	---	1,130	1,060	1,090
13	1,410	1,190	1,280	1,040	902	988	---	---	---	1,160	1,090	1,120
14	1,250	544	773	1,020	805	960	---	---	---	1,200	1,120	1,160
15	1,410	639	813	1,170	767	961	---	---	---	1,180	969	1,100
16	1,760	651	1,490	1,460	779	1,090	---	---	---	2,000	1,040	1,310
17	1,650	1,530	1,580	1,220	1,120	1,190	---	---	---	1,040	855	941
18	1,530	1,400	1,480	1,160	955	1,100	---	---	---	949	777	873
19	1,450	1,350	1,420	1,090	884	974	---	---	---	927	724	800
20	1,350	1,140	1,240	943	850	898	---	---	---	746	696	720
21	1,180	1,120	1,150	994	912	945	---	---	---	755	694	725
22	1,170	1,080	1,120	1,020	961	987	---	---	---	728	665	700
23	1,150	1,080	1,110	1,030	987	1,010	---	---	---	748	702	726
24	1,190	1,110	1,140	1,040	997	1,020	760	693	738	756	707	731
25	1,280	1,170	1,200	1,020	999	1,010	806	733	764	780	730	755
26	1,340	1,060	1,180	1,020	831	956	854	786	810	940	745	803
27	1,510	1,260	1,370	892	742	796	837	786	808	916	783	816
28	1,360	1,150	1,260	742	588	634	866	792	830	1,050	916	987
29	---	---	---	605	548	583	850	816	830	1,100	965	1,060
30	---	---	---	608	578	595	898	799	841	1,120	1,030	1,090
31	---	---	---	690	607	653	---	---	---	1,410	1,040	1,180
MONTH	1,760	367	1,220	1,460	548	1,010	---	---	---	2,000	665	933

09169500 DOLORES RIVER AT BEDROCK, CO—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1,130	1,060	1,110	1,340	1,080	1,220	---	---	---	1,250	584	906
2	1,180	1,020	1,080	1,230	1,060	1,160	---	---	---	644	571	603
3	1,080	963	1,040	1,250	1,020	1,160	---	---	---	815	586	699
4	1,210	1,020	1,120	1,190	1,030	1,110	---	---	---	1,890	815	1,610
5	1,300	1,120	1,200	1,200	1,010	1,120	---	---	---	1,850	415	962
6	2,140	1,270	1,530	1,170	1,000	1,080	---	---	---	1,690	570	894
7	2,890	2,140	2,690	1,160	981	1,070	---	---	---	1,120	412	600
8	2,540	1,740	2,100	1,150	946	1,060	---	---	---	559	351	414
9	1,760	1,650	1,730	1,130	964	1,050	---	---	---	939	240	489
10	1,770	1,620	1,710	1,160	974	1,080	---	---	---	1,280	364	719
11	1,800	1,620	1,710	1,180	994	1,090	---	---	---	1,200	1,010	1,100
12	1,880	1,660	1,750	1,170	1,000	1,080	---	---	---	1,400	1,200	1,290
13	1,900	1,790	1,850	1,170	993	1,080	---	---	---	1,480	1,400	1,450
14	1,860	1,610	1,710	1,150	988	1,060	---	---	---	1,460	1,410	1,450
15	1,770	1,690	1,720	1,150	990	1,070	---	---	---	1,480	1,360	1,410
16	1,870	1,770	1,830	1,180	1,000	1,090	---	---	---	1,530	1,440	1,470
17	1,950	1,780	1,870	1,170	997	1,080	---	---	---	---	---	---
18	1,970	1,780	1,910	1,210	997	1,100	---	---	---	---	---	---
19	1,990	1,730	1,880	1,190	1,010	1,110	---	---	---	---	---	---
20	2,010	1,830	1,920	1,240	1,050	1,130	---	---	---	---	---	---
21	2,330	1,790	2,010	1,200	1,050	1,120	---	---	---	---	---	---
22	2,440	1,830	2,010	1,250	1,090	1,190	---	---	---	---	---	---
23	2,450	1,780	2,070	1,170	1,020	1,120	---	---	---	---	---	---
24	---	---	---	1,230	1,020	1,130	---	---	---	---	---	---
25	---	---	---	1,650	1,040	1,400	---	---	---	---	---	---
26	---	---	---	2,030	1,060	1,280	---	---	---	---	---	---
27	3,010	1,610	2,400	1,070	839	934	---	---	---	---	---	---
28	1,700	1,420	1,530	2,080	988	1,240	---	---	---	---	---	---
29	1,520	1,280	1,400	2,210	1,000	1,630	1,850	678	1,320	---	---	---
30	1,390	1,220	1,310	1,680	796	1,070	1,800	1,310	1,540	---	---	---
31	---	---	---	1,140	795	865	1,680	1,250	1,490	---	---	---
MONTH	---	---	---	2,210	795	1,130	---	---	---	---	---	---

DOLORES RIVER BASIN

09169500 DOLORES RIVER AT BEDROCK, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.9	11.0	14.0	---	---	---	3.4	-0.1	1.5	0.2	-0.2	-0.1
2	15.0	11.6	13.1	---	---	---	3.8	0.0	1.8	0.2	-0.2	-0.1
3	13.3	10.9	11.7	---	---	---	3.4	0.8	1.9	0.2	-0.2	-0.1
4	13.5	8.9	11.1	---	---	---	3.0	-0.2	1.1	0.2	-0.2	-0.1
5	15.5	10.4	12.5	---	---	---	2.8	-0.1	1.0	0.0	-0.2	-0.2
6	15.3	10.4	12.8	---	---	---	1.6	-0.2	0.5	0.5	-0.2	-0.1
7	16.2	11.6	13.8	---	---	---	1.7	-0.2	0.5	0.4	-0.2	-0.1
8	17.7	11.4	14.1	---	---	---	2.5	-0.2	0.8	0.3	-0.2	-0.1
9	17.7	10.7	13.9	---	---	---	1.5	-0.2	0.3	0.1	-0.2	-0.1
10	17.5	10.6	13.6	---	---	---	0.6	-0.2	0.0	0.5	-0.2	0.1
11	16.4	11.1	13.3	---	---	---	0.6	-0.2	0.0	0.9	-0.2	0.2
12	16.9	10.3	12.9	---	---	---	0.9	-0.2	0.1	1.7	-0.2	0.4
13	16.4	8.8	12.1	---	---	---	0.5	-0.2	0.0	1.8	-0.2	0.5
14	15.9	9.1	11.9	---	---	---	0.6	-0.2	0.0	1.9	-0.2	0.5
15	15.5	8.2	11.3	---	---	---	0.9	-0.2	0.1	3.1	-0.2	1.0
16	15.1	7.8	11.0	---	---	---	1.1	-0.2	0.3	2.1	-0.2	0.6
17	14.5	8.1	10.9	---	---	---	2.7	0.1	1.2	1.7	-0.2	0.4
18	15.4	8.7	11.5	---	---	---	1.4	-0.2	0.5	1.0	-0.2	0.1
19	14.8	8.1	11.0	4.4	---	---	1.0	-0.3	0.1	1.1	-0.2	0.2
20	13.3	7.6	10.2	5.0	0.4	2.6	0.0	-0.2	-0.1	1.3	-0.2	0.3
21	13.7	7.2	10.1	5.5	1.0	3.0	0.7	-0.2	0.0	1.9	-0.2	0.5
22	13.5	9.1	10.9	5.5	1.1	3.1	0.5	-0.2	-0.1	2.3	-0.2	0.7
23	11.9	9.5	10.6	5.2	1.4	3.1	0.2	-0.2	-0.1	3.3	-0.2	1.2
24	11.6	8.8	9.8	5.3	1.0	3.2	0.2	-0.2	-0.1	3.1	-0.2	1.4
25	11.9	7.0	9.4	6.3	3.0	4.1	0.2	-0.2	-0.1	3.4	0.0	1.5
26	10.3	7.9	8.7	4.5	0.7	2.5	0.2	-0.2	-0.1	3.7	-0.2	1.4
27	11.9	7.5	9.2	2.8	-0.1	1.0	0.4	-0.2	-0.1	4.0	-0.2	1.7
28	---	7.5	---	1.9	-0.1	0.6	0.3	-0.2	-0.1	4.2	-0.1	1.9
29	---	---	---	1.8	-0.2	0.5	0.3	-0.2	-0.1	3.7	-0.1	1.7
30	---	---	---	0.7	-0.2	0.1	0.4	-0.2	-0.1	3.5	-0.1	1.6
31	---	---	---	---	---	---	0.0	-0.2	-0.2	4.9	-0.1	2.2
MONTH	---	---	---	---	---	---	3.8	-0.3	0.3	4.9	-0.2	0.6
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.3	0.8	2.7	6.2	2.3	4.2	14.6	8.9	11.5	16.7	10.7	13.5
2	4.4	2.1	3.1	7.6	2.8	4.7	11.3	8.5	9.7	17.3	11.6	14.2
3	5.0	0.5	2.5	8.3	2.1	5.0	9.6	6.5	8.1	17.0	12.3	14.2
4	4.2	-0.1	1.7	5.6	3.6	4.4	9.8	5.3	7.8	16.3	11.0	13.3
5	1.9	-0.2	0.6	7.9	2.3	4.7	9.1	6.3	7.8	17.9	11.8	14.3
6	1.6	-0.2	0.2	9.2	2.2	5.6	9.4	6.6	8.0	17.9	11.7	14.6
7	1.4	-0.2	0.2	10.9	4.0	7.3	10.1	7.1	8.7	16.1	12.6	14.0
8	1.3	-0.2	0.1	11.6	4.6	8.0	11.4	7.0	9.3	14.3	10.7	12.4
9	1.3	-0.2	0.1	12.0	5.0	8.5	15.1	8.3	11.0	13.0	10.2	11.4
10	1.3	-0.2	0.2	12.4	5.9	9.0	16.4	9.5	12.8	13.8	7.7	10.7
11	0.6	-0.2	0.0	13.1	6.3	9.5	15.5	10.8	13.3	17.8	8.9	13.3
12	1.2	-0.2	0.4	13.9	7.0	10.3	---	11.4	---	19.7	11.4	15.6
13	1.4	0.3	0.9	14.2	7.0	10.5	---	---	---	18.3	13.0	15.7
14	6.2	0.7	3.2	10.7	7.9	9.3	---	---	---	18.4	12.9	15.9
15	3.6	1.6	2.6	11.0	6.9	9.0	---	---	---	16.1	13.5	14.6
16	5.3	2.3	3.5	9.2	7.9	8.6	---	---	---	21.9	12.2	16.7
17	6.4	3.5	4.8	11.2	7.2	8.8	---	---	---	20.1	16.3	18.3
18	6.7	4.7	5.4	9.1	6.5	7.6	---	---	---	18.7	15.6	17.0
19	7.4	2.7	4.9	8.4	6.0	7.2	---	---	---	21.1	14.1	17.4
20	7.5	2.9	4.9	9.5	5.7	7.6	---	---	---	22.2	15.5	18.7
21	7.4	2.3	4.9	11.4	6.6	8.5	---	---	---	23.1	15.7	19.1
22	6.0	2.3	4.0	13.5	6.0	9.4	14.1	---	---	24.4	16.5	20.2
23	6.4	0.4	3.2	14.4	7.3	10.7	13.4	9.8	11.3	23.0	17.8	20.4
24	5.1	1.1	3.2	11.8	8.9	10.4	16.9	9.1	12.6	23.1	17.8	20.3
25	5.3	3.5	4.0	15.0	7.6	11.0	18.3	11.4	14.5	22.1	17.7	19.8
26	6.7	3.1	4.6	12.6	8.5	10.5	18.6	12.1	15.0	25.3	17.2	20.9
27	5.5	3.5	4.6	10.2	6.0	8.5	18.7	11.7	15.0	26.6	18.9	22.5
28	5.1	2.5	4.0	8.9	4.0	6.2	17.2	12.1	14.5	26.9	19.7	23.2
29	---	---	---	9.6	3.5	6.7	14.0	11.9	12.9	28.1	20.6	24.0
30	---	---	---	11.6	4.8	8.2	16.5	10.2	13.0	26.6	20.9	23.4
31	---	---	---	14.4	7.1	10.6	---	---	---	25.3	19.7	22.0
MONTH	7.5	-0.2	2.7	15.0	2.1	8.1	---	---	---	28.1	7.7	17.1

09169500 DOLORS RIVER AT BEDROCK, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.0	19.7	22.6	27.0	18.8	22.7	---	---	---	25.5	17.5	21.3
2	25.2	18.9	21.7	27.7	18.8	23.0	---	---	---	23.9	18.0	21.0
3	26.1	18.1	21.8	27.8	19.5	23.4	---	---	---	25.8	19.3	22.4
4	25.1	17.4	21.3	28.7	19.2	23.7	---	---	---	24.4	18.4	21.5
5	24.5	17.8	21.1	26.7	19.9	23.4	---	---	---	21.3	15.2	18.8
6	23.7	16.9	20.3	26.9	19.8	23.2	---	---	---	19.7	17.3	18.5
7	24.1	16.6	20.0	27.4	18.9	23.0	---	---	---	21.5	15.4	18.2
8	25.8	16.4	20.7	28.2	19.4	23.6	---	---	---	21.8	16.9	19.2
9	24.4	17.9	20.9	28.9	20.0	24.1	---	---	---	18.7	15.2	16.9
10	24.8	18.7	21.5	29.5	19.4	24.2	---	---	---	16.1	12.8	14.8
11	26.1	16.3	20.8	29.0	20.3	24.5	---	---	---	16.3	12.2	14.0
12	24.3	17.0	20.5	28.3	20.5	24.3	---	---	---	19.0	13.3	16.0
13	24.0	17.1	20.6	28.0	20.2	24.1	---	---	---	19.9	15.0	17.0
14	27.7	17.7	22.3	29.3	21.0	24.9	---	---	---	19.4	12.8	15.9
15	27.7	18.2	22.7	27.9	22.0	24.8	---	---	---	20.0	13.1	16.5
16	27.7	19.5	23.1	30.2	22.0	25.4	---	---	---	20.5	14.4	17.4
17	25.3	18.8	21.5	30.9	22.5	26.4	---	---	---	20.7	15.2	17.4
18	25.2	17.6	21.1	32.1	24.0	27.6	---	---	---	19.3	12.1	15.3
19	23.8	18.6	20.9	31.3	24.2	26.9	---	---	---	19.5	12.4	15.6
20	23.9	17.9	20.2	29.5	22.9	26.0	---	---	---	20.4	13.4	16.4
21	24.6	16.3	20.0	29.6	23.1	26.2	---	---	---	20.5	13.0	16.4
22	25.4	16.1	20.4	30.6	22.9	26.1	---	---	---	21.0	13.5	16.9
23	24.1	15.6	19.6	28.6	22.7	25.3	---	---	---	21.3	14.0	17.3
24	19.5	14.3	17.2	30.1	22.2	25.4	---	---	---	21.0	13.8	17.1
25	26.7	13.3	19.3	30.5	22.5	26.3	---	---	---	21.2	14.1	17.4
26	26.6	14.9	20.8	30.5	23.8	26.9	---	---	---	21.2	13.8	17.2
27	27.1	17.7	22.1	31.6	23.4	26.8	---	---	---	21.7	14.4	17.7
28	26.7	18.2	22.3	31.2	23.1	26.5	27.4	---	---	21.4	15.0	17.9
29	27.4	18.7	22.8	29.4	22.4	25.5	27.2	18.9	22.8	21.4	14.4	17.5
30	26.9	19.4	22.8	30.0	22.6	26.0	26.5	19.2	22.4	21.4	14.8	17.7
31	---	---	---	28.5	22.9	25.5	26.9	17.9	22.2	---	---	---
MONTH	27.7	13.3	21.1	32.1	18.8	25.0	---	---	---	25.8	12.1	17.6

09170800 WEST PARADOX CREEK ABOVE BEDROCK, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°19'54", long 108°53'59", in NE¹/₄NW¹/₄ sec.18, T.47 N., R.18 W., Montrose County. Site is 1,000 ft downstream from former surface water station, 1.3 mi northwest of Bedrock, and 2.6 mi upstream from mouth.

DRAINAGE AREA.-- 53.3 mi².

PERIOD OF RECORD.--Chemical analyses: August 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=09170800

REMARKS.--Natural flow affected by water imported from Rock Creek through Buckeye Reservoir. Diversion for irrigation of about 2,500 acres.

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

Date	Time	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, 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)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)
DEC													
12...	0900	8.5	771	0.4	390	84.0	43.1	2.24	0.4	19.3	E164	15.5	0.33
FEB													
13...	0800	8.4	996	3.8	510	105	59.7	2.62	0.5	26.7	235	25.1	0.35
APR													
02...	0800	8.3	1,010	7.6	540	114	61.9	3.00	0.6	29.5	214	23.9	0.34
23...	0845	8.5	1,100	5.7	590	122	69.7	3.19	0.6	33.1	251	26.6	0.38
MAY													
28...	0800	8.1	925	14.7	450	94.8	52.0	3.58	0.5	23.9	229	20.1	0.4
JUN													
19...	0815	8.1	783	16.2	410	83.5	47.8	3.57	0.5	21.9	206	15.0	0.3
JUL													
09...	0730	8.0	732	13.7	340	75.2	36.5	7.41	0.4	16.6	198	13.8	0.3
AUG													
21...	0930	8.2	828	22.0	410	89.1	45.6	12.4	0.4	19.7	231	19.3	0.3

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

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
DEC				
12...	10.6	198	--	--
FEB				
13...	11.6	295	668	0.91
APR				
02...	10.6	310	682	0.93
23...	9.7	349	765	1.04
MAY				
28...	8.7	255	596	0.81
JUN				
19...	7.0	194	496	0.68
JUL				
09...	11.0	168	448	0.61
AUG				
21...	11.9	187	524	0.71

E -- Estimated laboratory analysis value.

09171100 DOLORES RIVER NEAR BEDROCK, CO

LOCATION.--Lat 38°21'25", long 108°49'58", in NE¼SE¼ sec.3, T.47 N., R.18 W., Montrose County, Hydrologic Unit 14030002, on right bank 2.5 mi downstream from West Paradox Creek and 4.2 mi northeast of Bedrock.

DRAINAGE AREA.--2,145 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Statistical summary computed for 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=09171100

REVISED RECORDS.--WDR CO-90-2: 1989.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,910 ft above NGVD of 1929, from topographic map. Prior to Feb. 17, 1972, at site 200 ft downstream at datum 1.98 ft lower. From Feb. 17, 1972 to Aug. 16, 2000 at site 600 ft downstream at datum 3.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 80,000 acres, of which about 74,760 acres are in the San Juan River basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-ft, since Mar. 19, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 11.25 ft, site and datum then in use (discharge, 5,710 ft³/s), by slope-area measurement at site 800 ft upstream.

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	8.6	25	21	e22	e24	38	55	54	38	17	43	30
2	9.0	21	20	e23	e24	36	55	50	39	17	27	21
3	20	19	e20	e22	e24	34	118	48	36	17	99	14
4	44	19	e20	e22	e24	34	122	48	28	17	127	11
5	58	18	20	e22	e24	32	99	47	25	17	43	37
6	29	17	20	e22	23	30	82	44	22	17	24	44
7	21	17	e20	e22	22	31	85	43	19	17	16	61
8	18	18	19	e22	22	30	81	38	17	17	15	47
9	16	59	18	e22	23	30	71	36	16	16	11	37
10	14	224	18	e22	23	29	64	33	15	15	12	877
11	12	60	e19	e22	25	30	141	31	13	15	9.4	1,030
12	11	36	e19	e22	29	35	255	30	13	15	9.6	120
13	11	31	19	e22	33	36	289	28	13	16	11	50
14	11	27	e20	e22	62	40	213	27	13	16	24	29
15	11	24	e21	e22	90	54	201	35	12	16	32	21
16	12	22	21	e23	77	59	157	45	11	15	39	18
17	12	21	e21	e23	61	61	143	52	11	15	304	15
18	12	22	e22	e23	53	59	119	53	11	14	81	12
19	12	22	22	24	46	72	104	59	13	14	29	11
20	12	22	e23	23	41	66	91	57	13	14	65	15
21	12	21	e22	23	36	54	80	55	12	19	27	15
22	13	21	e22	e23	33	45	72	48	9.8	18	29	13
23	14	22	e22	e23	30	42	64	47	8.2	15	25	13
24	15	22	e22	e23	29	40	63	46	6.7	16	30	13
25	21	22	21	e21	32	41	64	48	6.3	29	17	12
26	31	21	e22	e21	33	59	61	46	8.3	29	22	12
27	27	20	e22	e21	34	88	56	41	17	21	17	14
28	107	19	e22	e21	37	98	53	39	18	20	16	20
29	58	20	e22	e21	---	89	61	36	17	26	15	17
30	31	20	e22	e22	---	72	62	37	18	43	13	16
31	32	---	e22	e23	---	61	---	37	---	35	12	---
TOTAL	714.6	932	644	689	1,014	1,525	3,181	1,338	499.3	588	1,244.0	2,645
MEAN	23.1	31.1	20.8	22.2	36.2	49.2	106	43.2	16.6	19.0	40.1	88.2
MAX	107	224	23	24	90	98	289	59	39	43	304	1,030
MIN	8.6	17	18	21	22	29	53	27	6.3	14	9.4	11
AC-FT	1,420	1,850	1,280	1,370	2,010	3,020	6,310	2,650	990	1,170	2,470	5,250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	89.9	87.7	70.2	71.9	83.9	230	843	1,192	628	139	96.8	104
MAX	269	430	262	208	207	811	2,552	3,219	1,766	677	274	379
(WY)	(1987)	(1987)	(1987)	(1985)	(1987)	(1985)	(1985)	(1993)	(1995)	(1995)	(1987)	(1999)
MIN	23.1	31.1	20.8	22.2	36.2	35.1	27.3	15.5	4.51	1.91	1.73	40.4
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1985 - 2003

ANNUAL TOTAL	8,547.4	15,013.9	
ANNUAL MEAN	23.4	41.1	a304
HIGHEST ANNUAL MEAN			711
LOWEST ANNUAL MEAN			26.7
HIGHEST DAILY MEAN	316	Sep 12	4,550
LOWEST DAILY MEAN	1.1	Aug 19	b1.1
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 11	1.3
MAXIMUM PEAK FLOW			c3,280
MAXIMUM PEAK STAGE			f7.54
ANNUAL RUNOFF (AC-FT)	16,950	29,780	d5,260
10 PERCENT EXCEEDS	41	65	987
50 PERCENT EXCEEDS	20	23	76
90 PERCENT EXCEEDS	1.7	13	34

e Estimated.

a Average discharge for 12 years (water years 1972-83), 502 ft³/s; 363,700 acre-ft/yr, prior to completion of McPhee Dam.

b Minimum daily discharge for period of record, 0.12 ft³/s, Jul 17-18, 1977.

c Based on slope area measurement of peak flow.

d Maximum discharge and stage for period of record, 9,500 ft³/s, Apr 30, 1973, gage height, 12.88 ft site and datum then in use, from floodmarks.

f From floodmarks.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 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=09171100

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1987 to current year.

WATER TEMPERATURE: December 1987 to current year.

INSTRUMENTATION.--Water-quality monitor since December 1987.

REMARKS.--Daily specific conductance record is good except Oct. 6, 7, Nov. 10, 11, Feb. 23, 24, Mar. 18, 24, 25, 29, 30, Apr. 6, 7, 18, 29, May 3, 12, 13, 18-20, 23, June 1, 2, July 28, 29 which are fair and Oct. 8, Nov. 12, Feb. 25, Mar. 31 to Apr. 2, Apr. 8, 9, 19, 20, May 4-6, 24-27, June 3 and Aug. 1-3 which are poor. Daily water temperature record is good. Daily data that are not published are due to probes being isolated by sediment and severe fouling.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 57,700 microsiemens/cm, June 22, 1990 (may have been higher June 19-22, 1990 when probe was out of water); minimum recorded, 256 microsiemens/cm, June 23, 1995 (may have been lower during period of missing record Apr. 3-20, 1993).

WATER TEMPERATURE: Maximum, 34.6°C, July 19, 2003; minimum, -1.0°C, Dec. 23, 1995 (temperatures published as 0.0°C may have been lower during water years 1988-95).

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 18,200 microsiemens/cm, Feb. 6; minimum, 423 microsiemens/cm, Apr. 14.

WATER TEMPERATURE: Maximum, 34.6°C, July 19; minimum, -0.3°C, Jan. 2, Feb. 11.

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

Date	Time	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO ₃ (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 CaCO ₃ (29801)	Chloride, water, fltrd, mg/L (00940)
NOV 19...	1215	22	8.4	2,470	2.6	310	82.4	25.5	15.2	9	380	E141	609
DEC 12...	1245	34	8.5	3,530	0.0	340	83.7	32.4	24.9	14	604	E165	972
FEB 13...	1200	38	8.3	2,850	2.6	280	66.2	28.5	21.2	12	462	164	765
APR 02...	1100	50	8.2	3,110	9.2	260	60.1	26.9	24.9	15	545	125	828
APR 23...	1245	65	8.3	2,720	13.6	280	65.7	28.1	24.5	12	451	127	700
MAY 28...	1145	38	8.3	2,750	24.4	290	69.1	27.7	20.6	11	416	128	668
JUN 19...	1045	12	8.4	9,430	19.3	560	111	68.3	83.2	33	1,780	163	2,800
JUL 09...	1100	15	8.4	2,050	23.2	190	43.1	20.7	16.9	10	317	128	504
AUG 22...	1130	23	8.0	2,610	23.0	1,500	519	37.4	15.2	1	123	73	143

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)
NOV 19...	<0.17	5.0	151	--	--	--
DEC 12...	0.18	5.1	124	--	--	--
FEB 13...	0.16	4.8	113	1,560	2.12	160
APR 02...	0.14	5.8	119	1,680	2.29	228
APR 23...	0.15	6.6	149	1,500	2.04	263
MAY 28...	0.2	6.3	209	1,490	2.03	155
JUN 19...	0.3	3.6	342	5,280	7.18	174
JUL 09...	0.2	1.2	79.2	1,060	1.44	43.7
AUG 22...	0.3	9.0	1,280	2,170	2.95	135

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

E -- Estimated laboratory analysis value.

09171100 DOLORES RIVER NEAR BEDROCK, 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	4,150	3,440	3,640	2,390	2,230	2,300	2,440	1,920	2,210	5,940	3,080	3,980
2	4,530	4,070	4,250	2,580	2,390	2,490	3,450	2,180	2,690	8,910	3,270	5,090
3	4,380	2,050	3,280	2,560	2,310	2,420	2,750	1,850	2,140	6,220	3,100	4,210
4	3,940	1,750	2,840	2,380	2,300	2,340	2,450	1,820	2,120	6,680	3,070	4,280
5	2,860	1,080	1,410	2,520	2,300	2,390	3,780	1,840	2,410	6,710	3,260	4,830
6	2,750	1,480	2,330	2,580	2,420	2,500	3,780	2,000	2,360	5,090	3,510	4,250
7	3,000	2,750	2,870	2,640	2,450	2,530	5,020	2,020	2,510	9,150	2,630	4,750
8	3,130	3,000	3,080	3,020	2,620	2,690	4,580	2,240	2,820	7,890	2,290	4,020
9	3,400	3,110	3,230	3,040	1,010	2,390	6,600	2,520	3,300	9,950	2,530	5,060
10	3,580	3,340	3,440	1,180	521	701	6,770	1,930	3,160	5,620	3,550	4,420
11	3,720	3,560	3,600	803	553	667	4,820	1,700	2,570	4,350	2,290	3,270
12	3,760	3,500	3,630	1,300	803	1,020	5,640	1,800	2,960	5,370	2,290	3,120
13	3,740	3,500	3,630	1,410	1,280	1,320	7,500	1,770	3,090	10,100	2,020	3,670
14	3,740	3,450	3,570	1,720	1,410	1,550	6,180	1,890	3,040	13,200	2,130	3,380
15	3,500	3,270	3,350	2,070	1,710	1,910	4,440	2,140	3,030	9,470	2,010	3,260
16	3,290	3,090	3,180	2,520	2,060	2,210	6,780	2,210	3,450	13,200	2,340	4,380
17	3,180	2,930	3,030	2,810	2,520	2,710	3,790	2,260	2,840	13,500	2,220	3,790
18	3,030	2,940	2,990	2,800	2,440	2,570	4,370	2,070	2,970	12,300	1,890	3,520
19	2,970	2,800	2,890	2,580	2,380	2,530	12,600	2,080	3,730	9,960	1,690	3,700
20	3,020	2,840	2,920	2,540	2,400	2,460	8,120	1,990	3,410	10,200	1,900	3,590
21	3,010	2,810	2,880	2,600	2,450	2,520	3,740	2,520	3,180	11,600	2,030	3,850
22	2,870	2,760	2,820	2,670	2,510	2,590	4,220	2,340	3,330	9,560	1,690	3,330
23	3,060	2,820	2,890	2,720	2,410	2,620	7,260	2,830	4,170	6,440	2,110	3,270
24	2,980	2,780	2,900	2,600	2,420	2,500	3,800	2,890	3,300	5,160	1,970	2,940
25	2,780	2,140	2,400	2,500	2,340	2,430	5,090	3,480	4,290	5,430	2,240	3,390
26	2,460	1,860	2,220	2,420	2,200	2,320	7,190	2,420	3,920	6,350	2,830	3,870
27	2,210	1,810	2,040	3,480	2,280	2,540	6,060	2,760	4,090	4,650	3,010	3,620
28	1,870	1,210	1,560	5,150	1,900	2,610	6,250	3,400	4,560	4,980	2,600	3,780
29	2,140	1,410	1,950	5,210	1,610	2,410	5,430	3,480	4,370	4,770	2,490	3,670
30	2,340	2,140	2,250	4,670	1,820	2,570	4,510	2,730	3,620	5,310	2,610	3,900
31	2,260	1,860	2,060	---	---	---	6,600	2,910	4,230	4,930	3,040	3,860
MONTH	4,530	1,080	2,880	5,210	521	2,230	12,600	1,700	3,220	13,500	1,690	3,870
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4,840	2,900	4,030	4,680	3,510	4,120	3,000	2,370	2,750	2,680	2,250	2,490
2	5,420	3,060	4,340	5,280	4,120	4,740	3,120	2,120	2,770	3,060	2,670	2,860
3	5,540	3,600	4,370	6,390	4,430	5,270	2,120	699	994	3,070	2,730	2,900
4	10,700	2,900	5,300	6,380	4,660	5,460	890	699	802	3,000	2,640	2,890
5	13,300	2,390	4,560	6,530	4,850	5,580	1,150	864	985	3,130	2,590	2,890
6	18,200	2,730	5,230	7,120	4,640	5,960	1,630	1,150	1,330	3,550	2,800	3,190
7	15,300	2,980	4,630	7,010	4,700	5,710	1,620	1,120	1,340	3,460	2,770	3,080
8	13,600	3,020	5,300	6,220	5,240	5,710	1,650	1,260	1,390	3,930	3,340	3,560
9	14,200	2,840	5,670	5,710	5,150	5,510	1,930	1,650	1,810	4,060	3,870	3,960
10	13,400	2,890	5,450	5,970	5,250	5,530	2,240	1,930	2,090	4,510	4,050	4,370
11	15,400	2,300	4,840	5,720	4,740	5,400	2,000	572	1,160	4,620	4,220	4,430
12	14,800	2,070	4,450	4,920	3,320	4,330	617	514	560	4,860	4,540	4,660
13	4,890	2,790	3,900	4,170	2,920	3,730	586	466	519	5,430	4,790	5,110
14	3,630	1,040	1,700	4,220	2,190	3,370	516	423	492	5,390	5,040	5,170
15	2,040	906	1,540	2,470	1,700	2,050	510	468	487	6,610	2,890	4,870
16	2,500	912	1,730	2,730	1,500	1,990	711	492	618	3,330	2,640	2,830
17	2,740	2,330	2,490	2,810	2,260	2,440	878	669	772	3,320	2,040	2,350
18	2,890	2,650	2,770	2,550	2,410	2,500	1,240	878	1,040	2,380	2,070	2,190
19	3,310	2,600	2,980	2,520	1,600	1,870	1,440	1,240	1,330	2,210	1,650	1,880
20	3,440	3,100	3,250	2,590	1,580	2,050	1,830	1,440	1,640	1,800	1,650	1,710
21	4,120	3,410	3,760	3,110	2,580	2,850	---	---	---	1,940	1,720	1,850
22	4,960	4,070	4,370	4,140	3,110	3,750	---	---	---	2,180	1,890	2,080
23	6,140	4,020	4,700	4,620	4,010	4,320	2,900	2,580	2,730	2,330	1,980	2,150
24	6,090	4,400	5,120	4,760	4,000	4,500	2,790	2,480	2,650	2,360	2,000	2,180
25	6,200	4,450	5,270	4,020	3,620	3,900	2,620	2,410	2,500	2,340	2,070	2,200
26	5,800	4,670	5,070	3,620	1,560	2,680	2,600	2,460	2,510	2,520	2,070	2,320
27	5,940	4,260	5,080	1,570	1,240	1,350	2,860	2,460	2,710	2,880	2,440	2,700
28	6,040	3,840	4,670	1,240	1,030	1,090	3,100	2,480	2,900	3,010	2,600	2,790
29	---	---	---	1,290	1,060	1,130	2,480	2,020	2,260	3,500	2,830	3,100
30	---	---	---	1,820	1,290	1,530	2,250	1,940	2,120	4,540	2,950	3,280
31	---	---	---	2,370	1,820	2,130	---	---	---	3,430	3,040	3,170
MONTH	18,200	906	4,160	7,120	1,030	3,630	---	---	---	6,610	1,650	3,070

09171100 DOLORES RIVER NEAR BEDROCK, CO—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3,550	2,840	3,250	2,820	2,410	2,580	3,960	1,170	2,440	2,570	1,150	1,760
2	3,870	2,360	3,440	2,710	2,280	2,490	3,650	2,620	3,120	1,150	958	1,020
3	4,060	2,360	3,220	2,620	2,250	2,440	3,220	1,980	2,520	1,290	1,080	1,190
4	5,170	4,060	4,680	2,590	2,190	2,380	---	---	---	2,330	1,290	1,600
5	5,710	5,090	5,400	2,500	2,160	2,340	---	---	---	2,810	1,200	2,010
6	7,170	5,660	6,520	2,430	2,120	2,280	---	---	---	1,790	1,100	1,390
7	9,410	6,830	8,090	2,370	2,030	2,200	---	---	---	2,010	1,030	1,450
8	10,200	8,980	9,390	2,420	2,030	2,210	---	---	---	1,040	943	994
9	10,400	9,560	9,950	2,410	2,000	2,200	---	---	---	1,360	952	1,130
10	10,800	9,480	10,100	2,420	2,080	2,240	---	---	---	1,230	529	876
11	12,000	10,500	11,000	2,420	2,130	2,270	---	---	---	---	---	---
12	11,800	10,000	10,800	2,300	2,070	2,200	---	---	---	---	---	---
13	10,900	9,650	10,200	2,280	2,030	2,160	---	---	---	---	---	---
14	11,300	9,520	10,300	2,260	2,080	2,180	---	---	---	---	---	---
15	11,800	9,900	10,600	2,250	2,010	2,140	---	---	---	---	---	---
16	12,400	10,500	11,200	2,290	1,960	2,110	---	---	---	---	---	---
17	11,900	10,700	11,200	2,260	2,000	2,130	---	---	---	---	---	---
18	11,400	10,200	10,700	2,310	2,040	2,170	---	---	---	---	---	---
19	10,400	6,610	8,980	2,360	2,080	2,200	---	---	---	---	---	---
20	7,770	6,630	7,410	2,300	2,050	2,170	---	---	---	---	---	---
21	8,750	6,340	7,150	2,110	1,810	1,960	---	---	---	---	---	---
22	10,400	8,270	8,990	2,240	1,850	1,990	---	---	---	---	---	---
23	12,900	9,500	10,500	2,210	2,020	2,090	3,510	2,040	2,750	---	---	---
24	13,200	12,000	12,500	2,200	1,880	2,030	2,360	1,580	1,980	---	---	---
25	12,200	10,800	11,500	2,490	1,620	1,950	2,380	1,700	1,920	---	---	---
26	11,500	4,780	9,500	2,200	1,510	1,910	2,120	1,630	1,830	---	---	---
27	4,780	3,200	3,730	1,740	1,500	1,640	2,010	1,420	1,620	---	---	---
28	4,470	3,020	3,540	1,760	1,520	1,630	2,690	2,000	2,430	---	---	---
29	3,020	2,760	2,880	3,970	1,740	2,570	2,870	1,530	2,010	---	---	---
30	2,860	2,440	2,610	2,150	1,280	1,640	2,630	1,610	2,330	---	---	---
31	---	---	---	1,500	1,230	1,290	2,680	2,060	2,400	---	---	---
MONTH	13,200	2,360	7,980	3,970	1,230	2,120	---	---	---	---	---	---

09171100 DOLORS RIVER NEAR BEDROCK, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.2	9.6	14.3	12.1	5.9	8.7	5.3	-0.1	2.2	0.0	-0.2	-0.1
2	14.8	11.0	12.9	12.2	6.0	8.8	5.3	-0.1	2.0	-0.1	-0.3	-0.1
3	13.5	9.7	11.5	10.2	2.2	6.0	5.8	0.8	2.7	0.2	-0.2	-0.1
4	16.9	7.8	11.9	8.9	3.0	5.5	4.5	-0.1	1.5	1.2	-0.2	0.1
5	16.7	9.7	12.7	9.4	0.5	4.6	4.5	-0.1	1.5	-0.1	-0.2	-0.1
6	18.7	8.9	13.4	9.5	0.4	4.6	3.1	-0.1	0.8	4.9	-0.1	1.3
7	20.1	9.3	14.2	6.5	0.4	3.7	3.2	-0.1	0.8	3.1	-0.1	0.5
8	20.1	9.6	14.4	6.5	3.7	5.2	4.0	-0.1	1.0	2.1	-0.2	0.3
9	20.1	9.0	14.3	9.5	6.2	7.4	1.5	-0.1	0.3	1.5	-0.1	0.3
10	19.3	8.6	13.9	7.7	5.3	6.1	0.5	-0.2	0.0	4.3	0.6	2.3
11	16.5	9.7	13.2	8.2	4.3	5.9	0.1	-0.1	0.0	4.0	0.1	1.9
12	18.1	8.4	12.9	7.6	1.8	4.4	0.1	-0.1	-0.1	4.2	-0.1	1.3
13	17.6	6.2	11.9	5.1	2.2	3.5	0.1	-0.2	-0.1	5.3	-0.1	1.3
14	17.8	7.2	12.2	7.6	2.0	4.2	0.0	-0.2	-0.1	4.4	-0.1	1.3
15	17.5	6.0	11.5	7.8	2.1	4.3	1.5	-0.1	0.2	6.4	-0.1	1.9
16	17.1	5.7	11.2	6.4	0.2	3.0	2.7	-0.1	1.0	4.2	-0.1	1.0
17	16.9	5.9	11.3	5.5	0.2	2.6	4.1	0.6	2.2	4.3	-0.1	1.0
18	17.4	7.1	12.0	6.8	-0.1	2.7	4.2	-0.1	1.3	3.4	-0.1	0.7
19	16.8	6.0	11.2	6.3	-0.1	2.6	1.7	-0.2	0.3	3.1	-0.1	0.6
20	15.2	5.6	10.4	7.4	-0.1	3.1	0.2	-0.2	0.0	3.5	-0.1	0.7
21	15.4	5.4	10.4	7.9	0.4	3.7	1.5	-0.1	0.3	4.4	-0.1	1.1
22	14.3	7.7	10.9	8.0	0.4	3.8	0.8	-0.1	0.0	5.3	-0.2	1.5
23	13.2	8.9	10.8	7.3	1.0	3.7	0.0	-0.2	-0.1	6.9	-0.2	2.2
24	13.5	7.6	10.1	7.6	0.3	3.8	1.1	-0.1	0.1	6.7	-0.1	2.5
25	14.0	5.9	9.7	7.9	2.6	4.6	2.4	-0.2	0.6	6.4	-0.2	2.5
26	9.8	7.5	8.5	6.4	-0.1	2.6	0.0	-0.1	-0.1	6.7	-0.1	2.2
27	14.5	7.1	10.0	3.8	-0.1	1.2	0.0	-0.2	-0.1	7.1	-0.1	2.7
28	10.8	7.8	9.0	3.7	-0.1	1.0	-0.1	-0.2	-0.1	7.3	-0.1	2.9
29	10.5	6.6	8.2	3.9	-0.1	1.0	0.2	-0.1	-0.1	7.1	-0.1	2.6
30	11.9	5.0	7.7	0.9	-0.1	0.2	1.4	-0.1	0.1	6.0	-0.1	2.2
31	10.7	4.9	7.9	---	---	---	-0.1	-0.2	-0.1	8.1	-0.1	3.2
MONTH	20.1	4.9	11.4	12.2	-0.1	4.1	5.8	-0.2	0.6	8.1	-0.3	1.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	0.6	3.9	8.0	2.3	4.5	16.3	7.3	11.4	17.9	9.0	13.3
2	6.5	2.3	4.1	10.8	2.8	5.7	12.1	7.2	9.3	19.4	10.2	14.4
3	7.6	0.3	3.5	11.2	1.5	5.8	11.4	6.2	8.2	18.4	11.2	14.1
4	6.2	-0.2	2.3	5.7	3.7	4.7	11.2	5.0	8.1	18.9	10.5	14.0
5	3.5	-0.2	1.2	12.4	1.9	6.1	10.9	6.1	8.2	19.9	11.4	14.6
6	3.6	-0.1	0.8	11.5	1.6	6.0	13.1	5.7	8.6	20.2	10.1	14.4
7	1.3	-0.2	0.2	13.6	2.9	7.7	13.6	6.4	9.3	17.0	11.9	13.7
8	1.8	-0.1	0.2	15.0	3.2	8.5	15.8	5.5	10.0	15.9	10.1	12.4
9	1.6	-0.2	0.2	15.7	3.6	8.9	17.8	6.2	11.5	14.1	9.4	11.4
10	2.9	-0.2	0.6	15.5	4.7	9.4	19.0	7.8	13.0	18.4	6.6	11.9
11	0.6	-0.3	0.0	17.1	5.0	10.2	17.3	9.1	13.3	21.5	7.2	14.0
12	3.9	-0.1	1.2	16.7	5.8	10.6	15.3	10.7	13.0	22.4	9.2	15.7
13	3.4	1.8	2.5	16.9	5.7	10.8	15.4	9.3	12.3	21.3	10.9	15.6
14	7.4	1.5	3.9	12.2	6.8	9.4	15.7	10.6	12.7	19.7	11.4	15.7
15	5.2	2.1	3.7	12.5	5.8	9.2	11.7	9.7	10.9	17.2	12.9	14.5
16	7.1	1.2	3.6	10.4	8.3	9.1	16.1	7.4	11.5	25.4	11.5	17.8
17	8.3	3.7	5.7	11.5	7.3	9.0	14.7	9.2	11.7	21.2	15.1	18.3
18	9.4	4.7	6.3	10.6	6.3	8.1	14.6	9.6	11.4	20.9	15.2	17.3
19	9.6	2.1	5.3	10.0	5.2	7.3	13.7	7.7	10.6	24.1	13.2	18.1
20	9.9	2.8	5.5	10.3	4.8	7.6	18.2	7.5	12.4	23.8	13.8	18.5
21	10.2	1.7	5.4	14.0	6.2	9.4	16.1	10.0	12.9	26.3	14.0	19.6
22	7.7	1.4	3.9	16.3	4.8	9.9	16.6	10.4	12.7	27.1	14.8	20.5
23	8.7	-0.2	3.6	17.2	6.3	11.2	15.9	8.0	11.5	25.4	16.0	20.4
24	7.7	0.5	4.0	13.5	8.1	10.3	20.0	7.4	13.1	25.8	16.3	20.5
25	6.2	3.5	4.6	17.8	6.4	11.4	20.2	9.9	14.7	24.2	16.4	19.7
26	9.2	2.8	5.4	14.3	7.4	10.5	20.6	11.2	15.5	27.7	15.7	21.3
27	7.0	4.0	5.3	10.4	5.9	8.6	20.6	10.4	15.3	29.1	17.2	22.6
28	6.4	2.6	4.2	11.1	3.6	6.5	19.2	11.1	14.8	30.7	17.8	23.6
29	---	---	---	11.7	3.1	6.9	14.8	11.3	13.0	31.0	19.0	24.0
30	---	---	---	14.3	3.8	8.6	17.5	8.8	13.0	29.5	19.6	23.2
31	---	---	---	17.2	5.7	10.9	---	---	---	28.9	18.6	22.2
MONTH	10.2	-0.3	3.3	17.8	1.5	8.5	20.6	5.0	11.8	31.0	6.6	17.3

DOLORES RIVER BASIN

09171100 DOLORES RIVER NEAR BEDROCK, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.5	18.7	23.0	28.7	16.7	22.5	29.4	21.5	24.8	27.1	15.8	21.1
2	27.9	17.7	22.2	30.5	16.1	22.8	29.1	20.4	23.3	26.0	16.8	21.2
3	28.6	15.7	21.8	30.1	16.4	23.0	27.4	21.0	23.9	29.1	18.7	23.1
4	27.8	15.2	21.2	32.1	16.0	23.6	28.7	21.0	24.6	25.7	16.8	20.9
5	27.6	16.2	21.2	30.7	16.6	22.8	---	21.7	---	24.8	17.8	20.3
6	24.4	14.5	19.7	28.0	17.0	22.1	---	---	---	20.9	17.1	18.7
7	25.9	14.3	19.8	29.9	15.9	22.7	---	---	---	22.0	15.2	18.4
8	28.4	14.2	20.9	29.8	16.1	22.9	---	---	---	21.8	16.4	19.1
9	25.2	15.4	20.3	30.8	16.5	23.4	---	---	---	18.9	16.0	17.4
10	25.9	16.5	20.5	31.8	15.8	23.6	---	---	---	16.7	14.8	15.7
11	28.0	13.4	20.5	31.7	16.7	24.1	---	---	---	---	---	---
12	27.1	14.2	20.3	30.0	17.4	23.8	---	---	---	---	---	---
13	27.2	14.9	20.9	30.7	17.0	23.8	---	---	---	---	---	---
14	30.0	15.6	22.5	32.4	17.6	24.3	---	---	---	---	---	---
15	31.6	15.6	23.2	30.7	19.0	24.0	---	---	---	---	---	---
16	28.9	17.2	22.3	33.1	19.7	24.6	---	---	---	---	---	---
17	26.7	16.4	20.7	33.5	20.3	26.0	---	---	---	---	---	---
18	27.0	16.0	20.8	34.5	20.9	26.7	---	---	---	---	---	---
19	24.9	16.7	20.1	34.6	21.0	25.8	---	---	---	---	---	---
20	24.7	15.6	19.4	32.7	20.6	25.9	---	---	---	---	---	---
21	26.0	14.6	19.8	31.9	21.1	26.3	---	---	---	---	---	---
22	26.1	14.7	20.0	33.8	20.5	25.5	28.0	---	---	---	---	---
23	24.4	14.4	18.8	30.4	20.0	24.4	29.2	20.2	23.0	---	---	---
24	19.5	12.7	16.2	33.5	20.0	25.5	29.1	19.5	23.6	---	---	---
25	28.9	12.2	19.6	32.6	20.4	25.9	28.5	19.3	23.9	---	---	---
26	29.4	13.4	21.2	33.3	21.8	26.3	30.6	18.6	24.0	18.7	---	---
27	30.8	15.0	22.5	33.4	21.3	26.1	25.3	19.9	22.4	19.2	15.1	17.4
28	28.3	15.7	22.0	33.5	21.0	26.1	29.6	18.9	23.7	19.3	15.4	17.6
29	30.7	15.7	22.7	32.4	21.4	25.7	29.7	18.0	22.9	18.9	15.2	17.3
30	30.0	16.3	22.8	32.4	21.8	26.5	29.4	18.2	22.8	22.6	15.4	18.2
31	---	---	---	32.1	21.5	25.4	29.3	15.9	22.1	---	---	---
MONTH	31.6	12.2	20.9	34.6	15.8	24.6	---	---	---	---	---	---

09172500 SAN MIGUEL RIVER NEAR PLACERVILLE, CO

LOCATION.--Lat 38°02'33", long 108°07'54", in NW¹/₄NE¹/₄ sec.25, T.44 N., R.12 W., San Miguel County, Hydrologic Unit 14030003, on right bank 1.5 mi downstream from Specie Creek in vicinity of mile marker 88.68 on State Highway 145 and 4.5 mi northwest of Placerville.

DRAINAGE AREA.--310 mi².

PERIOD OF RECORD.--January to December 1909, September 1910 to November 1912, April 1930 to September 1934, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Placerville," 1910-12. 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=09172500

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,030 ft above NGVD of 1929, from topographic map. See WSP 1713 or 1733 for history of changes prior to Oct. 21, 1958. Oct. 22, 1958 to Mar. 4, 1986, gage located 0.8 mi upstream from present site, at different datum. Mar. 5, 1986, gage moved to present site, at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,700 acres upstream from station. One diversion from Fall Creek for irrigation of about 2,000 acres in Beaver and Saltado Creek basins. One small ditch diverts water from Leopard Creek to Uncompahgre River Basin. Slight regulation by Lake Hope and Trout lake operated by the City of Telluride, Public Service Company of Colorado, Pacific Light and Power Company, and Tri State Power Company, combined capacity, 5,040 acre-feet. 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	101	82	e60	e44	e47	49	88	244	1,100	263	127	144
2	102	77	e57	e45	e49	46	99	255	1,170	268	105	132
3	120	67	e57	e44	e48	49	93	292	1,080	264	101	128
4	111	70	e55	e43	e48	52	80	316	998	253	106	120
5	108	71	e55	e44	e47	49	79	287	1,010	235	96	105
6	100	75	e52	e43	e48	52	79	253	884	201	89	143
7	101	70	e49	e44	e48	50	77	215	766	190	91	140
8	102	73	e46	e46	e49	49	74	206	700	187	96	136
9	100	88	e44	e45	e52	47	82	191	764	162	80	266
10	97	79	e40	e44	e56	51	114	173	756	150	72	572
11	95	e74	e38	e46	e61	57	160	166	749	144	83	340
12	91	e70	e40	e44	e62	62	188	180	684	135	81	302
13	85	e70	e42	e43	e63	70	214	233	580	116	90	335
14	87	e70	e40	e44	e62	75	278	262	497	121	334	318
15	87	e70	e41	e45	e60	69	253	341	548	110	170	250
16	86	e65	e43	e45	e58	69	191	291	522	110	157	208
17	85	e65	e45	e44	e57	67	222	429	435	114	181	200
18	83	e64	e46	e43	53	68	204	479	392	111	169	181
19	78	e64	e45	e42	55	63	210	481	403	100	149	161
20	74	e67	e45	e43	52	63	199	495	412	92	129	148
21	76	e70	e48	e42	53	65	238	598	381	86	119	141
22	81	e72	e47	e42	53	57	267	704	407	95	121	135
23	88	e72	e46	e41	e52	63	215	874	412	94	130	127
24	87	66	e46	e42	51	77	191	912	372	97	147	119
25	86	66	e45	e43	50	84	234	827	310	99	183	123
26	84	e62	e46	e44	50	83	246	798	316	87	149	126
27	82	e58	e43	e44	50	83	254	1,030	317	78	143	136
28	83	e58	e44	e46	50	71	271	1,220	305	89	166	133
29	79	e58	e45	e46	---	65	269	1,300	277	174	167	130
30	78	e59	e46	e45	---	59	269	1,360	271	113	166	128
31	82	---	e46	e47	---	e73	---	1,300	---	104	160	---
TOTAL	2,799	2,072	1,442	1,363	1,484	1,937	5,438	16,712	17,818	4,442	4,157	5,627
MEAN	90.3	69.1	46.5	44.0	53.0	62.5	181	539	594	143	134	188
MAX	120	88	60	47	63	84	278	1,360	1,170	268	334	572
MIN	74	58	38	41	47	46	74	166	271	78	72	105
AC-FT	5,550	4,110	2,860	2,700	2,940	3,840	10,790	33,150	35,340	8,810	8,250	11,160

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

MEAN	113	83.8	68.7	63.2	63.0	76.9	233	568	781	439	214	144
MAX	399	138	104	101	94.2	148	593	1,515	1,528	1,197	527	391
(WY)	(1912)	(1985)	(1987)	(1998)	(1987)	(1997)	(1942)	(1958)	(1983)	(1983)	(1999)	(1999)
MIN	50.9	51.4	40.8	38.3	37.1	46.4	79.6	136	150	63.8	56.7	63.8
(WY)	(1957)	(1990)	(1977)	(1977)	(1990)	(1980)	(1951)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1911 - 2003

ANNUAL TOTAL	33,243	65,291	
ANNUAL MEAN	91.1	179	237
HIGHEST ANNUAL MEAN			414
LOWEST ANNUAL MEAN			88.8
HIGHEST DAILY MEAN	354	Sep 11	1,360
LOWEST DAILY MEAN	38	Aug 26	e38
ANNUAL SEVEN-DAY MINIMUM	41	Dec 10	41
MAXIMUM PEAK FLOW			1,680
MAXIMUM PEAK STAGE			4.84
ANNUAL RUNOFF (AC-FT)	65,940	129,500	171,400
10 PERCENT EXCEEDS	172	405	634
50 PERCENT EXCEEDS	70	88	104
90 PERCENT EXCEEDS	46	45	56

e Estimated.

a Maximum discharge for period of record, 10,000 ft³/s, Sep 5, 1909, gage height not determined; result of failure of Trout and Middle Reservoir Dams.

b Maximum gage height for statistical period of record, 8.58 ft, May 24, 1984, site and datum then in use.

09174600 SAN MIGUEL RIVER AT BROOKS BRIDGE NEAR NUCLA, CO

LOCATION.--Lat 38°14'39", long 108°30'05", in NE¼NE¼ sec.15, T.46 N., R.15 W., Montrose County, Hydrologic Unit 14030003, on right bank at downstream side of Brooks Bridge, 0.5 mi upstream from Tri-State Power Plant, 3 mi upstream from Naturita Creek, and 4.4 mi northeast of Naturita

DRAINAGE AREA.--736 mi².

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=09174600

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,570 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of several thousand acres upstream from station and diversions upstream for an additional several thousand acres downstream from the gage. One small ditch diverts water from Leopard Creek to Uncompahgre River basin. Slight regulation by Lake Hope and Trout Lake (combined capacity, 5,040 acre-ft) operated by the City of Telluride, Public Service of Colorado, Pacific Light and Power Company, and Tri State Power Company. 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	36	91	84	e65	60	58	219	333	950	169	32	63
2	43	92	64	e64	61	50	307	307	979	175	27	57
3	75	84	e66	e60	58	47	314	299	893	164	24	49
4	66	75	64	e65	48	59	230	314	823	150	21	44
5	55	83	e62	e81	41	56	209	307	784	134	21	81
6	44	79	e62	77	39	53	210	259	666	108	19	153
7	39	81	e62	e75	e36	61	200	203	577	90	15	101
8	43	85	55	e74	e29	60	175	179	543	83	14	78
9	45	107	49	e72	e32	58	206	170	596	70	12	136
10	44	110	e41	e80	50	61	325	143	571	55	e8.8	594
11	39	92	e48	e78	61	68	533	117	577	45	e6.5	438
12	38	92	e52	e67	71	82	666	114	528	39	e6.9	359
13	33	87	e54	e61	91	111	681	158	452	22	e7.4	359
14	93	98	e54	e60	100	158	839	192	378	16	e60	352
15	101	92	e54	e59	94	136	769	280	395	17	115	307
16	99	85	e62	e58	72	147	508	328	407	11	72	245
17	97	76	e75	e56	71	131	549	396	334	12	85	228
18	96	83	72	e55	70	120	525	457	298	10	88	208
19	94	76	e54	e53	63	101	415	463	293	10	64	183
20	87	66	36	e56	62	84	370	453	313	8.0	36	111
21	84	42	e41	e60	58	57	361	499	282	6.6	22	108
22	90	29	e41	e62	58	42	399	632	297	5.7	17	100
23	101	34	38	e64	50	46	356	758	304	7.8	23	95
24	101	34	e36	e64	52	121	276	825	276	11	43	91
25	98	33	e36	e63	63	133	265	764	235	13	73	84
26	108	38	e36	e61	61	151	353	742	226	13	63	78
27	101	45	e36	e60	59	202	388	862	228	9.8	43	e60
28	93	56	e35	e59	61	151	391	1,070	218	11	52	e66
29	100	71	e54	57	---	126	377	1,120	193	63	72	e62
30	87	72	e65	57	---	114	362	1,100	187	68	72	e60
31	93	---	e69	e58	---	134	---	1,030	---	32	95	---
TOTAL	2,323	2,188	1,657	1,981	1,671	2,978	11,778	14,874	13,803	1,628.9	1,309.6	4,950
MEAN	74.9	72.9	53.5	63.9	59.7	96.1	393	480	460	52.5	42.2	165
MAX	108	110	84	81	100	202	839	1,120	979	175	115	594
MIN	33	29	35	53	29	42	175	114	187	5.7	6.5	44
AC-FT	4,610	4,340	3,290	3,930	3,310	5,910	23,360	29,500	27,380	3,230	2,600	9,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	124	94.0	82.0	79.6	80.9	172	560	780	696
MAX	208	129	106	106	108	486	1,127	1,317	1,631
(WY)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1997)	(1995)	(1995)
MIN	60.0	52.8	50.1	38.1	58.5	74.8	160	76.4	47.5
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1995 - 2003

ANNUAL TOTAL	22,723.0	61,141.5	
ANNUAL MEAN	62.3	168	247
HIGHEST ANNUAL MEAN			499
LOWEST ANNUAL MEAN			59.1
HIGHEST DAILY MEAN	360	Apr 2	1,120
LOWEST DAILY MEAN	2.9	Jul 1	5.7
ANNUAL SEVEN-DAY MINIMUM	3.8	Jun 27	8.4
MAXIMUM PEAK FLOW			1,270
MAXIMUM PEAK STAGE			4.50
ANNUAL RUNOFF (AC-FT)	45,070	121,300	178,700
10 PERCENT EXCEEDS	110	444	714
50 PERCENT EXCEEDS	52	78	103
90 PERCENT EXCEEDS	5.5	33	30

e Estimated.

a Also occurred Jun 18, 1995.

b Maximum gage height, 6.32 ft, Jun 17, 1995.

09177000 SAN MIGUEL RIVER AT URAVAN, CO

LOCATION.--Lat 38°21'26", long 108°42'44", in SW¼NE¼ sec.2, T.47 N., R.17 W., Montrose County, Hydrologic Unit 14030003, on right bank 20 ft downstream from bridge on State Highway 141, 400 ft downstream from Tabeguache Creek, and 1.5 mi southeast of Uravan.

DRAINAGE AREA.--1,499 mi².

PERIOD OF RECORD.--August 1954 to September 1962, October 1973 to September 1994, August 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=09177000

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

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,000 ft above NGVD of 1929, from topographic map. Prior to Sept. 3, 1959, at site 0.5 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 28,000 acres upstream from station, 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 OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 12.6 ft, from floodmarks, discharge, 8,910 ft³/s, by slope-area measurement at site 5.5 mi downstream.

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	97	85	e66	67	74	207	464	1,050	197	38	109
2	66	95	e65	e64	69	68	316	431	1,070	191	56	93
3	253	90	e66	60	66	59	331	426	970	185	85	86
4	121	82	e65	64	55	65	e266	443	884	171	44	81
5	92	84	62	81	50	71	e224	436	839	159	41	72
6	83	84	e62	80	39	65	220	375	729	138	31	348
7	75	84	62	78	36	67	214	313	645	116	26	185
8	73	88	57	74	30	71	193	271	597	102	27	116
9	76	165	48	72	33	72	201	259	627	97	31	179
10	77	183	41	81	50	75	316	231	612	83	28	1,170
11	73	107	e48	e79	52	91	548	199	609	70	21	442
12	74	98	e52	e69	64	130	741	191	572	63	19	321
13	72	90	e54	61	88	168	760	235	509	56	19	305
14	94	99	55	60	132	207	983	291	437	40	78	301
15	104	95	e53	e59	147	177	890	408	429	34	174	279
16	101	91	e62	e57	102	176	618	524	446	34	198	225
17	98	76	75	56	90	166	623	554	384	28	163	207
18	96	89	71	e55	88	147	611	642	338	27	120	194
19	95	82	54	53	80	128	496	686	328	28	101	176
20	89	77	e36	56	74	111	433	642	356	87	79	131
21	86	64	e41	60	70	89	425	655	325	34	75	120
22	88	56	e41	63	68	81	476	760	323	27	53	103
23	111	51	39	64	63	67	442	894	330	24	62	95
24	118	55	36	e63	58	126	355	968	307	26	70	85
25	104	54	e36	e63	71	163	336	916	273	25	87	78
26	137	52	e36	62	73	169	457	880	253	72	118	83
27	237	48	e35	59	73	221	533	954	251	35	91	71
28	116	60	35	e59	75	181	555	1,150	242	29	89	84
29	109	70	56	e59	---	149	547	1,210	218	34	113	80
30	98	71	e65	61	---	e131	499	1,210	209	103	169	76
31	96	---	68	65	---	e124	---	1,130	---	61	141	---
TOTAL	3,174	2,537	1,661	2,003	1,963	3,689	13,816	18,748	15,162	2,376	2,447	5,895
MEAN	102	84.6	53.6	64.6	70.1	119	461	605	505	76.6	78.9	196
MAX	253	183	85	81	147	221	983	1,210	1,070	197	198	1,170
MIN	62	48	35	53	30	59	193	191	209	24	19	71
AC-FT	6,300	5,030	3,290	3,970	3,890	7,320	27,400	37,190	30,070	4,710	4,850	11,690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	138	117	94.4	88.2	105	192	823	1,146	962	412	190	130
MAX	333	385	188	139	226	612	2,154	3,420	2,361	1,306	646	416
(WY)	(1987)	(1987)	(1987)	(1985)	(1958)	(1997)	(1985)	(1984)	(1957)	(1957)	(1999)	(1982)
MIN	30.6	60.9	49.6	49.9	54.1	66.8	110	86.6	87.2	9.15	11.2	16.8
(WY)	(1957)	(1956)	(1977)	(1977)	(1990)	(1977)	(1977)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1954 - 2003

ANNUAL TOTAL	29,127.8		73,471			
ANNUAL MEAN	79.8		201			367
HIGHEST ANNUAL MEAN						758
LOWEST ANNUAL MEAN						78.4
HIGHEST DAILY MEAN	474	Sep 13	1,210	May 29	5,440	May 16, 1984
LOWEST DAILY MEAN	3.2	Aug 29	19	Aug 12	3.2	Aug 29, 2002
ANNUAL SEVEN-DAY MINIMUM	4.2	Jul 11	24	Aug 7	4.2	Jul 11, 2002
MAXIMUM PEAK FLOW			2,130	Sep 10	a8,050	May 10, 1983
MAXIMUM PEAK STAGE			6.33	Sep 10	10.14	May 10, 1983
ANNUAL RUNOFF (AC-FT)	57,770		145,700			266,100
10 PERCENT EXCEEDS	158		550			1,040
50 PERCENT EXCEEDS	67		89			132
90 PERCENT EXCEEDS	6.9		41			57

e Estimated.

a From rating curve extended above 4,100 ft³/s.

404417108524900 GREEN RIVER ABOVE GATES OF LODORE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°44'17", long 108°52'49", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.9 N., R.102 W., Moffat County. Hydrologic Unit 14040106, in Dinosaur National Monument, 0.83 mi upstream from the Lodore Ranger Station, and 18 mi west of Greystone.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 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=404417108524900

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 2002 to current year.

INSTRUMENTATION.--Water-temperature sensor with satellite telemetry since June 2002.

REMARKS.--Daily record of water temperature is excellent. Natural flow regulated by Flaming Gorge Reservoir. Upstream diversions for an unknown amount of irrigation.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.1°C, July 13, 2002; minimum, 0.0°C, on many days in 2003.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.6°C, July 23; minimum, 0.0°C, on many days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	23.7	18.0	21.0	21.6	16.8	19.5	21.0	14.4	17.7
2	---	---	---	23.4	17.7	20.7	20.2	17.8	18.8	21.5	15.0	18.4
3	---	---	---	21.2	18.2	19.6	22.2	16.6	18.9	19.5	15.5	17.3
4	---	---	---	23.0	17.4	20.2	22.7	17.0	19.9	20.1	14.3	17.2
5	---	---	---	22.9	18.0	20.8	22.1	17.7	19.9	20.5	15.6	18.1
6	---	---	---	25.0	17.8	21.3	21.9	18.1	19.9	19.9	16.2	18.0
7	---	---	---	24.8	18.3	21.6	20.3	16.8	18.5	18.5	16.1	17.3
8	---	---	---	25.3	19.1	22.2	22.2	16.6	19.1	18.1	15.4	16.6
9	---	---	---	25.3	18.9	22.2	21.8	14.3	18.0	19.3	13.6	16.4
10	---	---	---	25.6	18.9	22.3	21.9	14.3	18.2	19.8	14.0	17.1
11	---	---	---	25.3	18.1	21.8	22.1	15.5	19.0	18.5	15.0	16.3
12	---	---	---	25.7	18.2	22.1	21.2	16.2	18.7	15.8	13.9	14.8
13	---	---	---	26.1	19.0	22.6	21.5	14.7	18.2	18.3	13.0	15.7
14	---	---	---	25.8	19.5	22.7	22.4	15.9	19.1	19.8	13.5	16.7
15	---	---	---	25.8	18.8	22.1	22.9	15.5	19.2	19.3	14.3	17.1
16	---	---	---	25.7	18.7	22.0	21.8	16.1	19.0	19.4	14.2	16.9
17	---	---	---	25.1	19.1	22.0	21.0	15.1	18.2	17.0	14.1	15.8
18	---	---	---	24.5	19.0	21.8	21.3	15.5	18.3	15.6	13.3	14.4
19	21.3	---	---	22.8	18.8	20.7	21.3	15.3	18.3	16.0	11.3	13.9
20	22.8	16.9	19.8	20.8	17.6	19.1	21.9	17.4	19.5	17.5	11.8	14.9
21	20.5	16.4	18.6	23.7	16.6	20.0	21.9	16.8	19.3	17.0	12.5	14.8
22	21.0	16.2	18.6	23.5	17.9	21.1	21.9	15.9	19.0	17.4	11.0	14.3
23	22.9	15.9	19.4	22.4	18.9	20.6	20.8	15.6	18.3	17.9	11.8	15.0
24	24.1	17.2	20.8	21.5	16.3	19.1	21.8	15.7	18.7	16.6	12.3	14.7
25	24.0	18.3	21.3	20.7	17.2	19.1	21.1	15.3	18.5	15.2	12.7	14.0
26	22.2	18.6	20.7	20.7	16.9	19.0	21.2	15.0	18.2	16.8	11.7	14.2
27	22.0	16.8	19.6	19.5	16.1	18.0	21.5	15.7	18.5	16.4	11.3	14.1
28	23.3	17.4	20.4	21.1	14.8	17.9	21.5	15.1	18.3	16.2	12.3	14.4
29	23.5	17.7	20.6	23.4	15.6	19.3	19.3	15.2	16.7	15.3	12.4	13.8
30	23.5	17.2	20.5	24.4	17.1	20.8	19.4	13.1	16.3	15.6	11.7	13.5
31	---	---	---	23.5	18.2	21.0	19.9	14.9	17.5	---	---	---
MONTH	---	---	---	26.1	14.8	20.8	22.9	13.1	18.6	21.5	11.0	15.8

404417108524900 GREEN RIVER ABOVE GATES OF LODORE, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.0	11.6	13.3	5.2	1.8	3.5	5.1	1.7	3.5	2.4	0.1	1.1
2	13.6	10.1	11.9	4.9	2.2	3.7	4.8	2.0	3.6	1.1	0.0	0.5
3	12.7	10.4	11.4	4.9	0.8	3.1	4.5	1.6	3.3	2.3	0.0	1.2
4	12.8	9.6	11.1	5.1	1.3	3.3	4.5	2.5	3.7	2.2	0.2	1.3
5	14.6	10.5	12.3	6.0	1.9	4.1	5.0	3.0	4.1	2.1	0.2	1.2
6	14.4	9.6	12.1	6.8	2.6	4.9	5.3	3.3	4.4	3.2	0.7	2.0
7	15.5	10.2	12.9	7.0	3.2	5.1	4.0	2.0	3.1	2.7	0.1	1.4
8	15.6	10.5	13.2	7.2	4.2	5.7	3.5	0.8	2.3	1.1	0.0	0.5
9	15.1	10.2	12.9	6.9	4.6	6.0	2.9	0.1	1.8	0.5	0.0	0.2
10	13.8	10.0	12.3	5.6	3.3	4.4	2.0	0.0	1.1	0.3	0.1	0.1
11	12.6	10.1	11.3	6.1	3.2	4.6	2.3	0.0	1.1	1.5	0.0	0.6
12	11.8	7.2	9.6	5.6	1.7	3.9	3.8	1.5	2.6	2.6	0.0	1.2
13	11.9	6.6	9.4	5.4	3.8	4.8	3.5	1.0	2.5	2.6	0.2	1.6
14	12.2	7.1	9.8	5.7	3.9	4.7	3.2	1.0	2.4	2.2	0.1	1.4
15	12.5	7.4	10.1	5.6	2.8	4.3	4.2	2.0	2.9	2.0	0.5	1.3
16	12.8	7.9	10.4	4.6	2.1	3.5	2.7	0.4	1.8	2.1	0.0	0.9
17	12.6	7.6	10.3	3.6	1.8	2.8	3.9	2.4	3.0	3.0	0.1	1.6
18	12.6	7.6	10.3	4.9	1.8	3.4	2.5	0.6	1.6	2.1	0.1	1.1
19	12.1	7.1	9.8	5.5	2.3	4.1	0.7	0.0	0.3	2.3	0.1	1.2
20	12.0	7.1	9.7	6.3	2.8	4.7	0.7	0.0	0.3	2.5	0.1	1.3
21	11.9	7.3	9.8	6.5	3.0	5.0	0.6	0.0	0.2	2.9	0.0	1.5
22	11.0	7.1	9.2	6.5	3.1	5.0	1.6	0.0	0.6	3.7	0.1	2.1
23	10.2	7.4	8.4	7.1	3.5	5.5	0.8	0.0	0.2	5.4	2.6	4.0
24	8.6	6.6	7.6	6.5	3.2	4.8	0.3	0.0	0.1	4.7	2.5	3.8
25	10.0	5.5	7.7	3.7	1.6	2.7	0.2	0.0	0.1	5.3	2.6	4.0
26	8.7	5.8	7.6	2.7	0.0	1.3	0.2	0.0	0.1	4.4	2.5	3.7
27	10.1	6.4	8.3	2.7	0.0	1.2	0.5	0.0	0.2	5.0	2.0	3.7
28	8.9	6.4	7.7	3.2	0.0	1.8	1.4	0.1	0.7	5.6	3.8	4.7
29	6.8	4.3	5.7	3.6	0.3	2.2	2.1	0.3	1.2	4.9	2.1	3.7
30	5.0	2.8	3.9	3.7	0.7	2.4	1.8	0.0	0.8	5.1	1.9	3.6
31	5.5	2.4	3.8	---	---	---	1.4	0.1	0.7	6.8	3.7	5.1
MONTH	15.6	2.4	9.8	7.2	0.0	3.9	5.3	0.0	1.8	6.8	0.0	2.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.8	3.3	4.8	5.2	3.0	4.1	13.1	8.0	10.4	11.6	7.5	9.7
2	4.8	1.8	3.3	5.8	1.3	3.7	10.0	6.5	8.3	13.3	8.1	10.6
3	3.6	0.7	2.1	6.5	2.2	4.5	6.5	4.0	5.3	14.8	9.4	12.2
4	3.3	0.5	2.1	5.6	3.1	4.2	7.7	2.2	5.0	13.1	10.1	11.5
5	2.5	0.0	1.2	5.7	1.4	3.5	7.8	3.7	5.9	11.6	8.1	9.9
6	1.1	0.0	0.3	5.3	1.6	3.5	7.5	3.3	5.6	13.8	6.5	10.1
7	0.4	0.0	0.1	7.1	1.9	4.6	9.7	3.7	6.6	12.0	9.1	10.5
8	0.3	0.0	0.1	7.9	3.1	5.6	11.2	4.2	7.6	11.8	8.1	9.8
9	0.8	0.0	0.3	7.7	3.6	5.9	12.6	6.0	9.4	10.7	8.7	9.8
10	1.7	0.0	0.7	7.7	4.0	5.9	13.6	6.7	10.3	11.9	7.5	9.3
11	2.9	0.0	1.3	9.1	4.5	6.9	14.0	7.8	11.0	13.4	8.1	10.8
12	3.3	0.2	2.0	9.3	5.1	7.5	12.3	8.1	10.3	15.7	8.9	12.3
13	3.5	2.0	2.8	10.4	5.0	7.9	13.8	7.5	10.5	15.6	10.8	13.4
14	7.1	3.1	4.8	10.3	6.0	8.3	13.1	8.3	10.9	17.9	11.2	14.6
15	6.0	4.0	5.1	10.2	5.9	8.3	12.4	8.6	10.3	16.6	13.0	14.1
16	4.8	2.3	3.1	8.8	6.1	7.3	12.5	6.0	9.2	17.8	11.5	14.4
17	4.1	0.7	2.5	6.1	4.6	5.6	12.7	7.2	10.1	15.8	12.4	14.4
18	4.6	1.7	3.2	4.6	2.8	3.5	11.3	8.4	9.9	17.2	12.3	14.5
19	5.2	1.3	3.4	4.7	2.2	3.4	9.7	7.6	8.7	14.5	8.9	11.9
20	5.2	1.6	3.4	5.7	2.5	4.1	11.8	6.2	9.1	12.2	10.1	11.0
21	4.6	2.0	3.4	8.6	3.1	5.8	12.0	6.7	9.6	11.0	9.8	10.4
22	3.4	1.0	2.5	9.7	5.5	7.6	11.4	8.7	10.2	12.0	10.3	11.0
23	2.5	0.1	1.1	9.7	6.3	8.0	10.2	7.6	8.7	12.6	10.2	11.3
24	0.3	0.0	0.2	8.5	5.9	7.3	13.2	6.1	9.4	12.1	11.0	11.5
25	2.7	0.1	1.3	9.1	3.9	6.6	15.1	8.4	11.9	12.4	10.6	11.6
26	4.0	1.8	2.9	8.5	5.2	6.8	15.7	10.3	12.8	12.6	10.3	11.5
27	5.7	2.5	4.0	5.6	2.5	3.4	14.4	8.7	11.8	13.4	10.7	12.0
28	5.3	2.5	3.8	5.7	1.8	3.4	13.8	10.0	12.2	13.9	11.5	12.6
29	---	---	---	8.2	1.9	4.8	13.7	9.2	11.6	13.1	12.1	12.5
30	---	---	---	9.6	3.5	6.6	12.4	8.5	10.2	14.9	11.5	12.9
31	---	---	---	---	5.7	---	---	---	---	14.6	12.3	13.4
MONTH	7.1	0.0	2.4	---	1.3	---	15.7	2.2	9.4	17.9	6.5	11.8

GREEN RIVER BASIN

404417108524900 GREEN RIVER ABOVE GATES OF LODORE, CO—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.4	12.4	13.8	23.2	17.9	20.7	23.4	17.4	20.4	20.9	15.8	18.5
2	15.7	13.0	14.3	23.6	17.0	20.4	22.6	18.9	21.0	20.5	16.1	18.3
3	16.6	12.5	14.5	23.9	17.5	20.7	21.2	18.3	19.7	21.2	15.8	18.4
4	17.0	13.0	15.3	23.7	17.2	20.3	22.0	17.3	19.6	21.3	16.5	19.0
5	18.0	13.0	15.4	23.1	16.8	20.0	21.6	16.2	19.2	20.1	16.7	18.1
6	17.5	13.1	15.3	23.3	16.7	20.0	22.0	17.3	19.8	17.5	15.2	16.5
7	18.8	12.1	15.3	22.4	17.2	19.9	20.6	17.8	18.7	19.1	14.8	16.9
8	20.7	14.0	17.3	22.3	16.9	19.6	21.8	16.4	19.1	18.0	15.2	16.8
9	18.9	16.1	17.4	23.6	15.7	19.6	23.1	18.1	20.6	17.3	14.2	15.8
10	18.0	14.3	16.3	24.9	17.5	21.2	22.0	17.5	19.9	15.6	13.0	14.1
11	16.5	14.4	15.7	22.6	17.6	20.7	23.3	17.4	20.2	16.3	11.8	13.8
12	17.6	13.5	15.4	23.7	17.8	20.8	---	18.0	---	17.6	13.2	15.3
13	17.6	13.6	16.0	22.9	17.4	20.3	23.0	18.1	20.6	16.7	11.8	14.4
14	21.2	13.7	17.4	23.9	17.0	20.7	23.6	17.8	20.7	16.4	11.2	14.0
15	21.9	16.4	19.4	23.1	18.4	20.9	22.4	17.4	20.0	16.9	12.1	14.6
16	20.6	17.2	19.0	24.4	18.6	21.5	23.2	17.9	20.4	16.1	13.7	15.1
17	21.9	15.6	18.7	23.8	19.1	21.5	22.0	17.8	19.7	15.5	10.4	13.1
18	22.5	16.8	19.6	24.7	17.8	21.1	20.3	16.5	18.6	14.1	8.3	11.1
19	20.9	16.6	18.9	24.0	18.5	21.5	21.6	16.2	19.1	14.6	9.4	11.7
20	19.2	16.6	17.8	24.9	19.0	22.0	22.0	16.9	19.6	15.3	10.8	13.1
21	18.2	15.0	16.6	24.0	18.6	21.5	21.5	17.6	19.8	15.4	10.7	13.2
22	19.8	14.1	16.6	25.1	18.9	22.2	23.2	18.3	20.7	16.1	10.8	13.6
23	18.0	14.2	16.0	25.6	19.5	22.5	23.4	19.2	21.1	16.0	11.6	14.0
24	14.7	11.3	13.2	24.8	19.6	22.1	20.8	18.0	19.5	15.9	11.2	13.8
25	16.8	11.8	14.2	24.4	19.7	22.1	21.3	17.2	19.2	15.9	10.9	13.6
26	20.4	12.8	16.6	25.4	20.0	22.3	21.5	17.0	19.3	16.3	11.7	14.1
27	22.4	15.5	19.0	24.3	19.3	21.7	20.6	17.1	18.5	17.1	12.3	14.7
28	23.0	16.5	19.8	23.6	18.4	21.2	20.4	15.3	17.8	17.4	12.3	15.0
29	23.8	16.9	20.4	24.4	19.0	21.5	19.4	15.9	17.9	18.3	12.4	15.4
30	23.5	17.8	20.8	24.6	18.0	21.3	18.2	15.8	17.2	18.1	13.1	15.8
31	---	---	---	22.7	17.8	20.3	20.4	15.0	17.6	---	---	---
MONTH	23.8	11.3	16.9	25.6	15.7	21.0	---	15.0	---	21.3	8.3	15.1

09237450 YAMPA RIVER ABOVE STAGECOACH RESERVOIR, CO

LOCATION.--Lat 40°16'09", long 106°52'49", in SW¹/₄SW¹/₄ sec.36, T.4 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 1.4 mi downstream from Jack Creek and 4.0 mi east of Oak Creek.

DRAINAGE AREA.--208 mi².

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=09237450

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 7,240 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 12,000 acres upstream from station. Natural flow of stream affected by 2 diversions for irrigation to Egeria Creek into Colorado River basin and by storage in Stillwater, Yampa and YamColo Reservoirs (total capacity 15,820 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	22	34	e24	e32	e36	25	79	112	201	79	74	52
2	22	33	e24	e32	e38	27	125	105	225	74	70	47
3	54	31	e25	e31	e35	e23	112	92	159	68	63	46
4	44	36	e26	e32	e34	e25	62	107	145	68	69	42
5	34	35	e27	e32	e34	e24	52	115	136	66	59	41
6	29	40	e24	e31	e34	e23	52	105	131	69	54	51
7	26	36	e26	e31	e30	33	43	95	138	76	59	71
8	23	32	e25	e30	e30	32	39	94	128	76	66	74
9	22	37	30	e32	e29	30	57	108	130	70	60	49
10	21	36	34	e32	e28	e35	96	121	142	73	58	62
11	21	40	e31	e34	e28	e38	138	100	152	71	58	77
12	21	43	e32	e32	e26	39	135	90	137	67	57	60
13	20	43	e34	32	e31	e50	123	90	117	68	53	52
14	23	35	e32	36	e34	e57	130	99	112	68	51	46
15	23	41	e34	e36	e32	66	121	114	98	66	49	44
16	24	44	e32	e34	e29	76	109	124	94	70	47	39
17	23	33	e34	e35	e30	67	92	126	95	74	58	38
18	23	33	e34	e35	e29	52	89	125	96	74	73	38
19	25	43	e32	e36	e27	e64	89	118	95	74	58	39
20	25	33	e32	e35	e28	56	78	104	101	77	52	39
21	24	41	e32	e35	e28	53	74	101	103	76	48	37
22	26	41	e34	e33	e28	53	79	98	98	67	56	36
23	31	38	e35	e32	e28	65	95	95	97	62	72	33
24	32	35	e35	e32	e30	76	107	97	90	66	80	31
25	30	35	e35	e33	33	61	182	91	89	67	67	31
26	29	37	e34	e33	30	61	211	85	89	71	59	31
27	28	27	e34	e32	31	60	166	88	87	70	55	35
28	28	e26	e32	e33	29	49	134	99	82	68	64	35
29	29	e25	e32	e34	---	42	121	105	81	73	53	35
30	29	e23	e32	e36	---	42	126	122	80	74	54	35
31	31	---	e30	e35	---	48	---	124	---	73	60	---
TOTAL	842	1,066	957	1,028	859	1,452	3,116	3,249	3,528	2,195	1,856	1,346
MEAN	27.2	35.5	30.9	33.2	30.7	46.8	104	105	118	70.8	59.9	44.9
MAX	54	44	35	36	38	76	211	126	225	79	80	77
MIN	20	23	24	30	26	23	39	85	80	62	47	31
AC-FT	1,670	2,110	1,900	2,040	1,700	2,880	6,180	6,440	7,000	4,350	3,680	2,670

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

	50.3	51.4	42.7	41.5	42.0	61.9	113	120	115	99.2	73.0	51.3
MEAN	50.3	51.4	42.7	41.5	42.0	61.9	113	120	115	99.2	73.0	51.3
MAX	116	85.1	71.1	74.2	75.4	113	259	278	348	167	153	135
(WY)	(1998)	(1998)	(1996)	(1996)	(1996)	(1998)	(1996)	(1996)	(1997)	(1995)	(1997)	(1997)
MIN	27.2	32.0	29.2	21.4	29.4	38.7	48.7	13.9	12.3	17.3	25.3	17.4
(WY)	(2003)	(1995)	(1990)	(1990)	(1991)	(1992)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1989 - 2003

ANNUAL TOTAL	11,461.0	21,494	71.9
ANNUAL MEAN	31.4	58.9	135
HIGHEST ANNUAL MEAN			33.2
LOWEST ANNUAL MEAN			2002
HIGHEST DAILY MEAN	116	Apr 1	582
LOWEST DAILY MEAN	5.3	May 10	Jun 9, 1997
ANNUAL SEVEN-DAY MINIMUM	8.9	May 8	a5.3
MAXIMUM PEAK FLOW			8.9
MAXIMUM PEAK STAGE			May 8, 2002
ANNUAL RUNOFF (AC-FT)	22,730	42,630	765
10 PERCENT EXCEEDS	48	112	765
50 PERCENT EXCEEDS	30	44	765
90 PERCENT EXCEEDS	12	27	765
			c5.96
			Mar 26, 1998
			Mar 26, 1998

e Estimated.

a Also occurred May 11, 2002.

b Maximum gage height, 6.09 ft, Mar 14, backwater from ice.

c Maximum gage height, 7.31 ft, Dec 4, 1997, backwater from ice.

09237500 YAMPA RIVER BELOW STAGECOACH RESERVOIR, CO

LOCATION (REVISED).--Lat 40°17'07", long 106°49'51", in SW¹/₄SE¹/₄ sec.29, T.4 N., R.84 W., Routt County, Hydrologic Unit 14050001, on left bank, 50 ft downstream from Stagecoach Reservoir, 1.1 mi upstream from Morrison Creek, and 6.5 mi east of Oak Creek.

DRAINAGE AREA.--228 mi².

PERIOD OF RECORD.--September 1939 to September 1944, monthly discharge only for some periods, published in WSP 1313; October 1956 to September 1972; October 1984 to current year. Prior to October 1990, published as Yampa River near Oak Creek. Statistical summary computed for 1989 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09237500

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,050 ft above NGVD of 1929, from topographic map. Sept. 1939 to Nov. 15, 1939, nonrecording gage, Nov. 16, 1939 to Sept. 1944 and Oct. 1956 to Sept. 1972, water-stage recorder at site 0.2 mi upstream, at different datum. Oct. 1984 to July 15, 2003, water-stage recorder at site 0.3 mi downstream, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated since Dec. 20, 1988, by Stagecoach Reservoir (capacity 33,275 acre-ft), 50 ft upstream. Diversions for irrigation of about 12,000 acres upstream from station. Natural flow of stream affected by 2 diversions for irrigation to Egeria Creek into Colorado River basin and by storage in Stillwater, Yampa and YamColo Reservoirs (total capacity 15,820 acre-ft). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality 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	e31	e56	37	31	33	32	41	78	123	88	64	59
2	e32	87	35	34	28	29	40	93	164	90	64	61
3	e31	76	30	28	28	34	42	98	164	97	64	58
4	e30	61	30	28	31	29	42	97	146	89	64	59
5	e30	46	30	28	28	29	43	79	129	79	62	49
6	e30	49	29	28	26	28	42	89	116	80	63	44
7	e30	48	31	28	21	29	41	90	115	79	63	43
8	e30	55	30	28	28	29	41	90	111	76	64	43
9	e30	75	30	28	28	29	41	90	109	71	61	43
10	e30	50	30	28	28	29	41	87	107	66	60	42
11	e30	49	30	28	28	29	40	87	110	66	64	41
12	e29	49	30	28	28	29	41	89	113	62	64	41
13	e29	48	29	29	28	29	40	89	112	62	64	40
14	e29	46	28	28	28	29	39	89	110	65	64	39
15	e29	40	28	28	28	30	39	89	107	e65	63	39
16	e29	39	28	28	28	29	39	89	102	63	60	38
17	e29	39	28	28	28	30	39	87	98	63	60	38
18	e29	38	28	28	28	30	39	87	96	63	59	38
19	e29	36	28	28	29	31	38	89	95	60	63	38
20	e29	35	27	28	29	35	37	89	95	60	63	36
21	e29	33	27	28	29	38	38	89	95	63	47	44
22	e29	35	27	28	29	39	38	90	94	63	51	62
23	e29	34	27	28	29	39	38	90	97	57	40	55
24	e29	34	27	28	29	40	37	90	98	56	49	37
25	e29	33	27	28	29	40	41	91	93	62	50	37
26	e29	34	27	28	29	41	38	91	86	59	50	57
27	e29	34	27	28	29	41	38	91	91	60	50	75
28	e29	32	27	28	29	41	44	91	86	62	54	74
29	e29	30	27	28	---	39	50	92	86	62	58	71
30	e29	34	27	28	---	38	55	96	90	62	58	73
31	e30	---	27	28	---	43	---	103	---	63	58	---
TOTAL	915	1,355	893	878	793	1,037	1,222	2,789	3,238	2,113	1,818	1,474
MEAN	29.5	45.2	28.8	28.3	28.3	33.5	40.7	90.0	108	68.2	58.6	49.1
MAX	32	87	37	34	33	43	55	103	164	97	64	75
MIN	29	30	27	28	21	28	37	78	86	56	40	36
AC-FT	1,810	2,690	1,770	1,740	1,570	2,060	2,420	5,530	6,420	4,190	3,610	2,920

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

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	62.0	60.2	57.5	59.9	59.6	60.5	69.6	107	111	87.5	79.9	71.1			
MAX	110	94.7	93.3	89.8	84.8	90.3	166	303	377	172	156	135			
(WY)	(1998)	(1996)	(1996)	(1998)	(1997)	(2000)	(1996)	(1996)	(1997)	(1995)	(1997)	(1997)			
MIN	25.8	37.3	27.0	28.3	28.3	18.0	32.3	12.4	12.8	22.3	34.4	31.8			
(WY)	(1991)	(1991)	(2001)	(2003)	(2003)	(1989)	(1989)	(1989)	(1989)	(1989)	(1989)	(1990)			

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1989 - 2003

ANNUAL TOTAL	14,035	18,525	
ANNUAL MEAN	38.5	50.8	
HIGHEST ANNUAL MEAN			a73.9
LOWEST ANNUAL MEAN			134
HIGHEST DAILY MEAN	87	Nov 2	164
LOWEST DAILY MEAN	13	May 18	21
ANNUAL SEVEN-DAY MINIMUM	16	Jun 1	27
MAXIMUM PEAK FLOW			f2.70
MAXIMUM PEAK STAGE			Jun 2
ANNUAL RUNOFF (AC-FT)	27,840	36,740	53,570
10 PERCENT EXCEEDS	54	91	114
50 PERCENT EXCEEDS	42	39	64
90 PERCENT EXCEEDS	19	28	34

e Estimated.

a Average discharge for 25 years (water years 1940-44, 1957-72, 1985-88), 89.4 ft³/s; 64,770 acre-ft/yr, prior to completion of Stagecoach Reservoir.

b Maximum daily discharge for period of record, 1,020 ft³/s, Apr 16, 1962.

c Minimum daily discharge for period of record, 8.9 ft³/s, May 22, 1963.

d Maximum discharge and stage for period of record, 1,400 ft³/s, Apr 16, 1962, gage height, 7.56 ft, from rating curve extended above 570 ft³/s, site and datum then in use.

f Maximum gage height, 3.64 ft, Oct 31, backwater from beaver dam.

g Maximum gage height, 8.08 ft, Mar 8, 1987, backwater from ice.

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1990 to September 1993, October 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=09239500

PERIOD OF DAILY RECORD.--WATER TEMPERATURE: July 2002 to current year.

INSTRUMENTATION.--Water-temperature sensor with satellite telemetry since July 2002.

REMARKS.--Daily record of water temperature is excellent. Interruptions in daily record are due to instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 27.2°C, Aug. 13, 2003; minimum, 0.0°C, on several days in 2003.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.2°C, Aug. 13; 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 unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
OCT 30...	0830	57	10.1	8.2	255	3.6	110	29.1	9.65	1.59	0.4	8.90	100
FEB 18...	1115	91	11.4	8.3	309	0.3	140	34.4	12.0	1.95	0.4	11.2	145
MAY 29...	0750	4,310	9.7	7.3	47	6.5	20	5.46	1.46	0.76	0.2	1.76	21
AUG 13...	1115	80	7.5	8.7	271	22.6	120	31.7	10.8	1.90	0.4	9.60	104

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)
OCT 30...	4.87	<0.2	10.3	24.4	149	0.20	22.9	0.36	0.34	<0.015	E.021	E.002	E.004
FEB 18...	5.89	0.18	9.0	31.8	194	0.26	47.6	0.24	0.35	<0.015	0.115	0.003	<0.007
MAY 29...	0.95	<0.2	7.5	4.5	35	0.05	413	0.21	0.38	<0.015	0.054	E.002	E.006
AUG 13...	3.93	<0.2	9.7	30.4	160	0.22	34.7	0.35	0.40	<0.015	<0.022	<0.002	0.033

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)
OCT 30...	0.015	0.027	E9	E3	<0.2	<1.2	150	<1	13.1	24.5	<0.02	<3	<0.3
FEB 18...	0.009	0.025	E5	E7	E.1	<1.2	280	<1	66.0	98.2	<0.02	<3	<0.3
MAY 29...	0.014	0.080	180	167	<0.2	E.6	1,220	<1	11.5	54.5	<0.02	<3	<0.3
AUG 13...	0.051	0.069	33	93	<0.2	2.1	220	<1	15.0	40.7	<0.02	<3	<0.3

GREEN RIVER BASIN

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO—Continued

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

Date	Zinc, water, fltrd, ug/L (01090)
OCT 30...	<24
FEB 18...	<24
MAY 29...	4
AUG 13...	<3

< -- 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	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 28...	1140	58	246	5.8	JUN 26...	1035	630	98	10.7
JAN 13...	1420	60	277	0.2	AUG 04...	1450	98	249	22.7
MAR 26...	1220	140	305	3.8	SEP 09...	1525	103	286	16.7
MAY 08...	1450	577	198	7.2					

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	24.9	17.5	20.8	21.0	13.8	17.3
2	---	---	---	---	---	---	22.2	17.6	19.7	22.0	13.8	17.6
3	---	---	---	---	---	---	22.3	17.8	19.8	20.0	14.6	17.4
4	---	---	---	---	---	---	25.2	16.7	20.8	21.8	14.6	17.8
5	---	---	---	---	---	---	24.3	19.2	21.1	20.7	14.3	17.4
6	---	---	---	---	---	---	24.1	17.2	19.9	18.1	14.4	16.5
7	---	---	---	---	---	---	20.7	17.1	18.9	18.1	14.7	16.2
8	---	---	---	---	---	---	21.4	16.1	18.9	20.4	14.8	17.4
9	---	---	---	---	---	---	23.8	15.7	19.3	18.9	16.2	17.4
10	---	---	---	---	---	---	24.5	15.2	19.4	19.3	15.8	17.3
11	---	---	---	---	---	---	25.0	15.5	19.8	18.3	15.7	16.9
12	---	---	---	---	---	---	24.8	16.1	20.1	18.3	15.5	16.5
13	---	---	---	---	---	---	23.9	16.1	19.6	17.5	14.2	15.8
14	---	---	---	---	---	---	24.4	15.2	19.4	19.3	13.2	16.1
15	---	---	---	---	---	---	25.0	15.4	19.8	19.6	14.1	16.8
16	---	---	---	---	---	---	24.9	15.7	20.0	18.8	14.3	16.5
17	---	---	---	---	---	---	23.9	15.6	19.5	16.2	14.1	15.2
18	---	---	---	---	---	---	22.4	15.9	18.7	14.9	12.6	13.8
19	---	---	---	---	---	---	22.0	15.3	18.7	14.0	11.6	12.7
20	---	---	---	---	---	---	22.5	17.1	19.1	17.0	11.1	13.8
21	---	---	---	---	---	---	19.7	16.5	18.1	17.2	12.1	14.4
22	---	---	---	---	---	---	19.1	14.1	16.9	16.5	10.8	13.6
23	---	---	---	---	---	---	21.8	14.9	18.1	16.7	10.9	13.6
24	---	---	---	---	---	---	24.0	16.3	19.7	17.1	11.1	13.9
25	---	---	---	21.5	---	---	23.1	15.1	18.9	15.8	12.1	13.8
26	---	---	---	24.6	17.6	20.5	24.0	15.4	19.4	16.8	11.9	14.0
27	---	---	---	22.6	17.5	19.9	22.1	16.3	19.2	16.0	11.0	13.3
28	---	---	---	24.3	17.2	20.4	19.4	15.7	17.6	14.9	10.5	12.6
29	---	---	---	25.3	16.8	20.8	18.3	14.8	16.3	13.5	11.2	12.3
30	---	---	---	26.5	17.8	21.7	19.8	13.1	16.6	14.9	10.0	12.2
31	---	---	---	25.7	17.8	21.4	20.1	14.5	17.4	---	---	---
MONTH	---	---	---	---	---	---	25.2	13.1	19.1	22.0	10.0	15.3

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.1	10.0	12.4	---	---	---	---	---	---	0.3	0.2	0.2
2	14.7	10.1	12.3	---	---	---	---	---	---	0.4	0.2	0.3
3	12.1	9.5	10.6	---	---	---	3.0	1.0	2.0	0.4	0.2	0.3
4	11.3	8.5	9.8	---	---	---	3.1	2.0	2.5	0.4	0.2	0.3
5	11.3	9.3	10.1	---	---	---	3.8	2.5	3.2	0.3	0.2	0.3
6	12.3	8.7	10.3	---	---	---	3.3	1.7	2.5	0.4	0.2	0.2
7	14.1	8.4	11.1	---	---	---	2.2	0.7	1.3	0.3	0.2	0.2
8	13.9	8.7	11.1	---	---	---	1.4	0.3	0.8	0.4	0.2	0.2
9	13.3	8.1	10.6	---	---	---	0.9	0.3	0.7	0.4	0.1	0.2
10	12.8	7.7	10.3	---	---	---	0.8	0.5	0.6	0.3	0.2	0.2
11	10.9	9.0	10	---	---	---	0.9	0.4	0.6	0.3	0.2	0.3
12	11.1	6.1	8.5	---	---	---	0.5	0.3	0.4	0.3	0.2	0.3
13	11.0	5.0	7.9	---	---	---	2.0	0.3	1.2	0.3	0.2	0.2
14	11.1	5.3	7.9	---	---	---	1.6	0.5	0.8	0.3	0.1	0.2
15	10.8	5.3	7.9	---	---	---	0.8	0.5	0.6	0.3	0.1	0.2
16	10.7	5.5	7.9	---	---	---	1.1	0.5	0.7	0.4	0.1	0.2
17	11.0	5.2	7.9	---	---	---	0.8	0.2	0.5	0.3	0.1	0.2
18	11.0	5.3	7.9	---	---	---	0.6	0.2	0.3	0.4	0.1	0.2
19	10.7	5.2	7.8	---	---	---	0.3	0.2	0.2	0.4	0.2	0.3
20	10.0	4.7	7.2	---	---	---	0.3	0.1	0.2	0.4	0.2	0.3
21	10.1	4.5	7.1	---	---	---	0.3	0.2	0.2	0.4	0.3	0.3
22	8.5	4.7	6.6	---	---	---	0.3	0.2	0.2	0.5	0.3	0.4
23	8.4	6.6	7.4	---	---	---	0.3	0.1	0.2	0.4	0.2	0.3
24	9.6	6.3	7.6	---	---	---	0.3	0.2	0.2	0.3	0.1	0.3
25	8.4	5.9	7.1	---	---	---	0.3	0.2	0.2	0.3	0.2	0.2
26	8.9	4.9	6.9	---	---	---	0.3	0.2	0.2	0.5	0.2	0.3
27	---	---	---	---	---	---	0.3	0.2	0.2	1.0	0.2	0.5
28	---	---	---	---	---	---	0.3	0.2	0.2	0.5	0.1	0.4
29	---	---	---	---	---	---	0.3	0.2	0.2	0.6	0.1	0.2
30	---	---	---	---	---	---	0.3	0.2	0.2	0.3	0.1	0.2
31	---	---	---	---	---	---	0.3	0.2	0.2	0.9	0.1	0.3
MONTH	---	---	---	---	---	---	---	---	---	1.0	0.1	0.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.1	0.2	1.1	4.2	0.1	1.8	9.1	3.7	6.6	7.9	5.4	6.4
2	2.3	0.6	1.5	2.5	0.1	0.9	7.2	2.5	5.1	10.1	5.0	7.2
3	2.0	0.1	0.7	3.4	0.1	1.4	4.8	1.3	2.8	9.6	5.4	7.6
4	1.7	0.0	0.4	1.9	0.2	0.9	7.6	0.6	4.1	8.2	6.6	7.3
5	0.8	0.0	0.2	4.2	0.1	1.6	6.6	2.2	4.4	8.2	5.5	6.7
6	0.5	0.0	0.2	3.3	1.3	2.1	6.2	1.9	4.3	10.3	5.3	7.6
7	0.4	0.0	0.1	3.8	1.2	2.4	6.0	2.6	4.3	9.3	5.4	7.2
8	0.3	0.0	0.1	6.8	1.2	3.7	9.0	1.6	5.4	8.5	6.2	7.3
9	0.1	0.1	0.1	6.3	1.1	3.6	10.3	3.0	6.9	8.6	5.8	6.9
10	0.1	0.1	0.1	7.2	2.3	4.3	10.3	2.8	6.8	8.4	5.4	6.7
11	0.2	0.1	0.1	7.6	2.6	4.7	9.7	2.8	6.2	9.9	5.2	7.5
12	0.3	0.1	0.1	8.4	3.6	5.5	8.4	2.9	5.8	12.9	5.1	8.7
13	0.2	0.1	0.1	7.7	2.4	4.7	10.3	2.6	6.2	13.1	6.9	9.7
14	0.3	0.1	0.2	5.8	2.2	3.9	9.3	3.4	6.3	13.6	6.6	9.8
15	0.3	0.1	0.1	7.6	2.5	4.8	6.4	3.7	4.8	10.7	7.3	8.9
16	0.3	0.0	0.1	4.8	3.0	3.9	9.0	2.9	5.4	12.0	7.6	9.2
17	0.3	0.1	0.1	3.6	2.3	2.9	8.2	3.6	5.9	10.2	6.9	8.4
18	0.3	0.0	0.1	5.3	1.5	3.3	7.2	4.1	5.4	8.4	7.1	7.8
19	0.4	0.0	0.2	6.6	2.0	4.2	7.7	3.7	5.4	10.6	6.0	7.8
20	0.4	0.0	0.2	6.3	2.1	4.3	11.1	3.4	6.9	10.9	5.2	7.5
21	0.4	0.0	0.1	5.6	2.9	4.1	10.2	4.3	7.3	10.7	5.7	7.7
22	0.3	0.1	0.1	6.2	3.0	4.5	9.0	5.4	7.1	11.1	5.8	7.9
23	0.3	0.1	0.1	7.5	2.3	4.9	6.9	1.8	3.8	11.1	6.0	8.0
24	0.2	0.0	0.1	5.1	2.7	4.0	6.8	1.3	3.8	11.1	6.0	8.1
25	0.2	0.1	0.1	7.4	1.9	4.8	10.6	3.0	6.4	10.4	6.1	7.7
26	1.2	0.1	0.6	5.6	3.3	4.4	11.4	4.5	8.0	11.0	6.2	8.0
27	3.0	1.0	1.8	4.3	1.6	2.9	10.7	6.0	8.5	11.0	6.4	8.2
28	3.3	0.4	1.7	5.9	1.3	3.4	10.4	5.5	7.9	11.4	6.5	8.3
29	---	---	---	3.3	1.2	2.3	9.4	6.6	8.1	10.9	6.2	7.8
30	---	---	---	---	---	---	8.8	6.2	7.3	11.0	6.4	8.0
31	---	---	---	---	---	---	---	---	---	11.3	6.8	8.3
MONTH	3.3	0.0	0.4	---	---	---	11.4	0.6	5.9	13.6	5.0	7.9

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.1	6.7	7.9	18.1	12.4	15.4	25.0	18.4	21.3	21.4	15.3	18.1
2	10.0	5.7	7.4	18.5	12.2	15.5	25.0	19.1	22.1	21.0	16.5	18.6
3	10.4	5.7	7.6	18.5	12.3	15.6	23.4	19.8	21.8	21.8	16.5	18.6
4	11.2	6.9	8.6	19.1	13.1	16.2	23.9	18.7	21.2	21.9	16.1	18.6
5	10.5	7.2	8.6	19.0	12.7	16.1	24.7	18.6	21.5	19.1	16.2	17.6
6	10.9	7.2	8.7	18.2	12.9	16.0	23.9	18.9	21.6	19.6	16.3	17.7
7	11.5	7.6	9.1	19.6	13.4	16.7	22.0	19.1	20.5	17.8	16.0	16.8
8	12.2	7.3	9.3	19.3	13.4	16.7	24.4	18.2	21.0	18.6	14.4	16.6
9	11.5	7.9	9.4	19.2	13.3	16.7	25.5	19.1	22.1	17.7	15.4	16.5
10	11.8	8.1	9.7	19.8	13.8	17.2	26.1	19.1	22.4	16.3	13.5	14.8
11	12.0	8.0	9.5	19.7	14.6	17.6	26.2	19.8	22.3	15.6	13.0	14.2
12	11.2	7.6	9.4	21.7	14.9	18.3	26.2	18.9	22.0	17.3	13.5	15.5
13	12.6	8.5	10.2	21.1	15.9	18.7	27.2	19.3	22.7	17.8	14.0	15.8
14	13.5	8.6	10.7	22.8	15.6	19.2	26.7	19.5	22.5	16.7	12.0	14.6
15	14.2	9.0	11.2	23.4	17.3	20.2	25.2	17.6	21.0	17.2	12.4	14.9
16	12.9	9.7	11.2	25.7	18.0	21.5	25.0	19.2	21.1	17.3	13.5	15.3
17	14.2	9.5	11.7	25.4	19.1	22.0	22.4	18.3	19.8	16.0	12.6	14.3
18	15.0	10.2	12.3	26.4	19.0	22.5	22.0	18.1	19.6	16.4	11.4	13.6
19	14.5	10.9	12.5	26.5	19.6	22.6	23.5	17.6	20.2	16.6	11.1	13.8
20	13.5	10.9	12.1	25.4	19.1	22.0	24.1	17.8	20.7	16.6	11.8	14.0
21	14.7	10.2	12.3	25.4	19.0	22.3	23.9	18.2	20.6	16.7	11.3	13.9
22	15.9	10.7	13.1	27.0	19.7	23.4	23.1	18.5	20.5	17.0	11.3	14.0
23	16.3	10.6	13.3	25.8	19.5	22.9	23.9	18.5	20.2	16.8	12.0	14.3
24	14.9	11.7	13.2	25.2	19.6	22.5	23.4	17.7	20.3	16.8	11.9	14.3
25	13.0	9.7	11.3	25.3	19.2	22.3	24.4	18.9	20.6	16.8	11.6	14.2
26	15.2	8.9	11.9	26.0	19.7	22.6	23.9	17.0	20.0	17.0	11.8	14.3
27	16.0	9.4	12.6	25.5	19.3	22.2	21.3	18.3	19.6	17.0	12.1	14.5
28	17.3	10.2	13.6	24.7	19.6	22.1	23.6	17.1	19.9	16.9	12.5	14.7
29	17.5	11.3	14.5	24.8	19.9	21.6	20.0	17.3	18.8	16.8	12.6	14.8
30	17.8	11.5	14.7	25.0	18.4	21.5	20.2	16.5	17.9	17.1	13.4	15.2
31	---	---	---	23.0	19.1	21.0	19.4	16.1	17.6	---	---	---
MONTH	17.8	5.7	10.9	27.0	12.2	19.7	27.2	16.1	20.8	21.9	11.1	15.5

09240900 ELK RIVER ABOVE CLARK, CO

LOCATION.--Lat 40°44'36", long 106°51'17", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.9 N., R.84 W., Routt County, Hydrologic Unit 14050001, on right bank 0.7 mi downstream from Coulton Creek, 1.5 mi upstream from Willow Creek, and 4.2 mi northeast of Clark.

DRAINAGE AREA.--122 mi².

PERIOD OF RECORD.--October 1987 to September 1993. April 1998 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=09240900

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

GAGE.--Water-stage recorder. Elevation of gage is 7,520 ft above NGVD of 1929, from topographic map. Prior to Apr. 1998 at site 90 ft upstream at same datum.

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.

AVERAGE DISCHARGE.--5 years (water years 1988-93), 200 ft³/s; 144,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 3,090 ft³/s, June 1, 2003, gage height, 5.03 ft; maximum gage height 6.13 ft, June 16, 1993 (at site then in use); minimum daily, 17 ft³/s, Nov. 9, 10, and 13, 1987.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 3,090 ft³/s, June 1, gage height, 5.03 ft; minimum daily, 44 ft³/s, Sept. 30.

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	289	2,570	534	e99	57
2	---	---	---	---	---	---	76	259	1,960	519	e92	54
3	---	---	---	---	---	---	71	285	1,600	488	e88	54
4	---	---	---	---	---	---	64	295	1,370	458	e93	54
5	---	---	---	---	---	---	60	263	1,180	429	e84	51
6	---	---	---	---	---	---	59	227	1,040	400	e78	62
7	---	---	---	---	---	---	56	227	924	374	e84	65
8	---	---	---	---	---	---	55	220	905	352	e82	62
9	---	---	---	---	---	---	63	205	1,040	330	e77	57
10	---	---	---	---	---	---	86	198	1,310	305	e77	85
11	---	---	---	---	---	---	121	186	1,560	284	e76	102
12	---	---	---	---	---	---	156	217	1,300	266	e77	89
13	---	---	---	---	---	---	189	311	1,110	251	77	76
14	---	---	---	---	---	---	261	428	1,160	247	75	65
15	---	---	---	---	---	---	283	590	1,200	e220	67	60
16	---	---	---	---	---	---	216	823	1,170	e210	64	56
17	---	---	---	---	---	---	185	1,160	1,010	e210	87	55
18	---	---	---	---	---	---	179	1,200	974	e204	109	65
19	---	---	---	---	---	---	156	1,120	1,010	e200	93	69
20	---	---	---	---	---	---	160	1,090	1,020	e195	75	63
21	---	---	---	---	---	---	188	1,180	901	e190	69	57
22	---	---	---	---	---	---	212	1,280	839	e188	66	54
23	---	---	---	---	---	---	201	1,510	854	e168	80	52
24	---	---	---	---	---	---	176	1,800	775	e150	78	50
25	---	---	---	---	---	---	176	1,860	698	e153	102	48
26	---	---	---	---	---	---	238	1,700	570	e136	89	47
27	---	---	---	---	---	---	294	2,070	552	e134	73	46
28	---	---	---	---	---	---	339	2,260	577	e123	67	45
29	---	---	---	---	---	---	374	2,360	567	e133	61	45
30	---	---	---	---	---	---	356	2,320	549	e122	60	44
31	---	---	---	---	---	---	---	2,210	---	e107	61	---
TOTAL	---	---	---	---	---	---	5,112	30,143	32,295	8,080	2,460	1,789
MEAN	---	---	---	---	---	---	170	972	1,076	261	79.4	59.6
MAX	---	---	---	---	---	---	374	2,360	2,570	534	109	102
MIN	---	---	---	---	---	---	55	186	549	107	60	44
AC-FT	---	---	---	---	---	---	10,140	59,790	64,060	16,030	4,880	3,550

e Estimated.

09241000 ELK RIVER AT CLARK, CO

LOCATION.--Lat 40°43'03", long 106°54'55", in NW¹/₄NW¹/₄ sec.27, T.9 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 15 ft downstream from bridge on State Highway 129, 0.8 mi north of Clark, and 2.0 mi upstream from Cottonwood Gulch.

DRAINAGE AREA.--216 mi².

PERIOD OF RECORD.--May 1910 to September 1922 (published as "near Clark"), April 1930 to September 1991. Monthly discharge only for some periods, published in WSP 1313. April 1998 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=09241000

REVISED RECORDS.--WSP 1733: 1956. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,267.75 ft above NGVD of 1929 (State Highway bench mark). May 1910 to Sept. 1922, nonrecording gage at site 30 ft upstream at datum 0.15 ft lower. Apr. 23, 1930 to Sept. 27, 1934, water-stage recorder at present site at datum 0.15 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Diversions upstram from station for irrigation of about 230 acres upstream from and about 460 acres downstream from station. Natural flow of stream affected by storage in Lester Creek Reservoir (known also as Pearl Lake), capacity, 5,660 acre-ft, since 1963, and Steamboat Lake, capacity, 23,060 acre-ft, since 1968. Several measurements for specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report

AVERAGE DISCHARGE.--73 years (water years 1910-22, 1930-91), 333 ft³/s; 241,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,910 ft³/s, May 23, 1984 gage height, 6.12 ft; minimum daily determined, 22 ft³/s, Dec. 12, 1963, but a lesser discharge may have occurred during periods of no gage height record prior to 1939.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 4,090 ft³/s, June 1, gage height, 5.71 ft; minimum daily, 50 ft³/s, Sept. 30.

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	---	---	---	---	---	---	87	657	3,430	635	119	63
2	---	---	---	---	---	---	112	586	2,650	615	111	59
3	---	---	---	---	---	---	106	668	2,130	568	107	59
4	---	---	---	---	---	---	93	681	1,840	524	112	60
5	---	---	---	---	---	---	88	614	1,610	481	103	57
6	---	---	---	---	---	---	86	525	1,410	440	96	67
7	---	---	---	---	---	---	81	537	1,280	408	92	71
8	---	---	---	---	---	---	79	540	1,250	377	90	70
9	---	---	---	---	---	---	88	503	1,300	350	119	63
10	---	---	---	---	---	---	125	479	1,410	323	119	85
11	---	---	---	---	---	---	183	444	1,650	301	116	113
12	---	---	---	---	---	---	243	502	1,410	282	118	96
13	---	---	---	---	---	---	314	683	1,240	268	120	81
14	---	---	---	---	---	---	452	881	1,280	252	120	70
15	---	---	---	---	---	---	512	1,170	1,310	236	109	66
16	---	---	---	---	---	---	430	1,460	1,290	223	106	62
17	---	---	---	---	---	---	435	1,910	1,140	223	128	60
18	---	---	---	---	---	---	422	1,890	1,110	220	155	68
19	---	---	---	---	---	---	373	1,750	1,140	265	141	74
20	---	---	---	---	---	---	387	1,670	1,150	249	116	68
21	---	---	---	---	---	---	464	1,750	1,050	239	83	63
22	---	---	---	---	---	---	523	1,850	991	207	109	59
23	---	---	---	---	---	---	496	2,070	1,000	184	127	58
24	---	---	---	---	---	---	425	2,320	941	168	124	56
25	---	---	---	---	---	---	426	2,350	865	161	151	54
26	---	---	---	---	---	---	572	2,150	704	155	142	53
27	---	---	---	---	---	---	714	2,610	670	153	113	51
28	---	---	---	---	---	---	829	2,910	695	142	95	51
29	---	---	---	---	---	---	913	3,100	686	152	88	51
30	---	---	---	---	---	---	836	3,050	657	141	71	50
31	---	---	---	---	---	---	---	2,900	---	125	67	---
TOTAL	---	---	---	---	---	---	10,894	45,210	39,289	9,067	3,467	1,958
MEAN	---	---	---	---	---	---	363	1,458	1,310	292	112	65.3
MAX	---	---	---	---	---	---	913	3,100	3,430	635	155	113
MIN	---	---	---	---	---	---	79	444	657	125	67	50
AC-FT	---	---	---	---	---	---	21,610	89,670	77,930	17,980	6,880	3,880

09242500 ELK RIVER NEAR MILNER, CO

LOCATION.--Lat 40°30'53", long 106°57'12", in NW¹/₄NW¹/₄ sec.5, T.6 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft downstream from bridge on County Road 44, 2.5 mi upstream from mouth, and 3.2 mi east of Milner.

DRAINAGE AREA.--460 mi².

PERIOD OF RECORD.--May 1904 to September 1927 (published as "near Trull"). April 1990 to current year. Records for 1910-27 furnished by State Engineer of Colorado. 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=09242500

REVISED RECORDS.--WDR CO-98-2:1997 (M). WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,590 ft above NGVD of 1929, from topographic map. May 1904 to Sept. 1909, nonrecording gage, at different datum, Oct. 1910 to Sept. 1927, water-stage recorder at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. During high flows, channel overflow may occur and cause some streamflow to bypass gage. Diversions upstream from station for irrigation of about 6,500 acres upstream from and about 1,000 acres downstream from station. Natural flow of stream affected by storage in Lester Creek Reservoir (known also as Pearl lake), capacity, 5,660 acre-ft, since 1963, and Steamboat lake, capacity, 23,060 acre-ft, since 1968. 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	85	91	e104	e52	e76	e71	252	1,090	4,960	933	136	68
2	80	96	e103	e54	e79	e71	377	923	4,410	880	124	62
3	124	81	101	e54	e77	e72	360	963	3,730	769	125	57
4	137	72	90	e50	e76	e71	240	1,030	3,150	669	131	56
5	121	91	82	e53	e77	e71	219	987	2,710	616	129	56
6	115	83	84	e53	e72	e70	218	830	2,350	552	116	55
7	112	81	e92	e50	e68	e70	194	814	2,090	498	107	66
8	120	94	91	e48	e77	e76	180	839	1,960	455	107	77
9	125	102	91	e49	e75	e75	225	830	2,220	416	114	71
10	115	98	e85	e52	e70	e83	324	798	2,420	367	127	83
11	112	97	e81	e58	e72	e86	448	731	3,050	330	123	139
12	104	94	e75	e58	e71	e99	548	716	2,680	306	122	120
13	93	97	e75	e57	e75	e108	641	951	2,170	280	124	98
14	90	95	e68	e57	e80	e114	852	1,170	2,170	264	126	83
15	92	91	e75	e56	e78	e126	1,000	1,640	2,270	255	116	73
16	88	83	e69	e53	e72	e132	795	1,960	2,290	244	111	60
17	86	86	e72	e54	e72	e134	724	2,560	1,910	234	120	53
18	83	92	e61	e55	e69	e142	715	2,820	1,780	229	169	64
19	80	96	e52	e53	e72	e158	609	2,550	1,860	252	175	82
20	78	89	e50	e56	e72	122	576	2,430	1,890	263	137	79
21	77	90	e54	e58	e77	128	658	2,540	1,690	276	108	80
22	76	86	e51	e61	e72	131	768	2,740	1,550	227	106	72
23	86	88	e47	e60	e74	148	864	3,010	1,580	198	127	69
24	90	94	e51	e61	e78	227	746	3,600	1,470	184	129	65
25	93	85	e49	e67	e77	200	892	3,900	1,250	174	146	61
26	90	63	e50	e66	e72	210	1,100	3,580	1,010	170	170	57
27	85	78	e52	e66	e74	208	1,180	3,900	996	165	141	62
28	85	e95	e47	e66	e74	169	1,240	4,340	1,060	157	111	62
29	89	e102	e47	e70	---	149	1,330	4,640	1,060	165	106	62
30	88	e104	e49	e75	---	155	1,320	4,640	977	165	97	63
31	85	---	e43	e76	---	160	---	4,540	---	141	85	---
TOTAL	2,984	2,694	2,141	1,798	2,078	3,836	19,595	68,062	64,713	10,834	3,865	2,155
MEAN	96.3	89.8	69.1	58.0	74.2	124	653	2,196	2,157	349	125	71.8
MAX	137	104	104	76	80	227	1,330	4,640	4,960	933	175	139
MIN	76	63	43	48	68	70	180	716	977	141	85	53
AC-FT	5,920	5,340	4,250	3,570	4,120	7,610	38,870	135,000	128,400	21,490	7,670	4,270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2003, BY WATER YEAR (WY)

MEAN	141	110	91.6	87.0	90.0	167	727	2,096	2,165	659	164	112
MAX	424	234	154	135	145	320	1,214	3,977	3,824	1,940	445	518
(WY)	(1919)	(1919)	(1998)	(1998)	(1921)	(1916)	(1919)	(1920)	(1917)	(1917)	(1912)	(1997)
MIN	58.9	58.0	48.8	51.5	45.9	52.0	377	940	749	88.2	30.3	33.1
(WY)	(1993)	(1991)	(1993)	(1992)	(1991)	(1991)	(1995)	(1990)	(2002)	(2002)	(2002)	(1994)

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1905 - 2003	
ANNUAL TOTAL	85,074.2		184,755			
ANNUAL MEAN	233		506		557	
HIGHEST ANNUAL MEAN					886	
LOWEST ANNUAL MEAN					230	
HIGHEST DAILY MEAN	1,900	May 31	4,960	Jun 1	5,350	Jun 15, 1921
LOWEST DAILY MEAN	3.7	Sep 5	e43	Dec 31	3.7	Sep 5, 2002
ANNUAL SEVEN-DAY MINIMUM	5.3	Sep 1	48	Dec 25	5.3	Sep 1, 2002
MAXIMUM PEAK FLOW			5,170	Jun 1	a5,740	Jun 3, 1997
MAXIMUM PEAK STAGE			7.04	Jun 1	b7.18	Jun 3, 1997
ANNUAL RUNOFF (AC-FT)	168,700		366,500		403,500	
10 PERCENT EXCEEDS	740		1,730		1,910	
50 PERCENT EXCEEDS	81		104		130	
90 PERCENT EXCEEDS	43		57		63	

e Estimated.

a Peak discharge includes 370 ft³/s overflow that bypassed the main channel.

b Gage height reflects the discharge flowing in the main channel (5,370 ft³/s).

09246200 ELKHEAD CREEK ABOVE LONG GULCH NEAR HAYDEN, CO

LOCATION.--Lat 40°35'30", long 107°19'13", in NW¼SE¼ sec.1, T.7 N., R.89 W., Routt County, Hydrologic Unit 14050001, on left bank 0.3 mi upstream from Long Gulch, and 9.0 mi northwest of Hayden.

DRAINAGE AREA.--171 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 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=09246200

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage 6,405 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by diversions for irrigation of several hundred 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	1.4	3.7	4.0	e5.8	e9.0	e11	138	428	416	15	1.5	0.60
2	2.1	5.0	4.1	e6.3	e9.9	e10	141	339	315	13	1.1	0.36
3	3.3	3.1	4.8	e6.6	e11	e11	114	421	227	11	0.66	0.32
4	5.8	2.0	4.4	e6.7	e10	e11	59	489	183	10	0.69	0.40
5	5.6	2.8	4.2	e6.8	e9.5	e11	52	457	151	8.0	0.69	0.29
6	4.1	3.2	4.1	e6.8	e8.7	e11	46	336	130	7.4	0.49	0.26
7	3.3	3.2	4.3	e6.6	e8.3	e12	35	343	120	7.3	0.39	0.58
8	2.9	4.5	6.2	e6.6	e8.3	e12	31	344	106	5.8	0.34	2.1
9	2.4	4.9	5.6	e6.7	e9.6	e13	58	354	96	5.0	0.24	3.2
10	1.9	5.4	3.9	e6.9	e11	e17	130	317	93	4.9	0.11	3.5
11	1.6	3.7	2.9	e7.2	e12	e24	191	275	102	4.5	0.07	6.9
12	1.4	4.3	2.9	e7.3	e10	e27	261	282	93	4.8	0.05	7.8
13	1.2	4.8	3.3	e7.3	e11	e25	305	485	78	4.7	0.04	4.6
14	1.1	6.2	3.1	e7.3	e15	e28	399	631	69	4.3	0.02	2.9
15	1.1	5.0	3.7	e7.2	e16	e27	443	916	62	5.6	0.01	2.1
16	1.2	4.5	3.6	e7.1	e15	38	311	932	52	5.1	0.01	1.6
17	1.1	4.7	3.6	e7.1	e19	37	e260	1,030	53	4.5	0.01	1.2
18	1.3	7.1	4.8	e7.1	e20	32	e240	946	47	3.9	0.02	1.0
19	1.9	4.5	5.7	e7.2	e14	28	e200	770	44	3.3	0.01	0.93
20	1.7	4.5	e4.9	e7.6	e12	34	e170	676	47	3.1	0.01	0.81
21	1.7	4.6	e5.2	e7.9	e11	39	251	651	49	2.9	0.01	0.87
22	1.7	4.7	e5.0	e8.0	e11	48	333	641	42	2.4	0.61	0.86
23	2.6	5.0	e5.2	e8.1	e11	68	422	631	37	1.9	1.2	0.83
24	3.9	7.5	e5.5	e8.5	e11	109	278	667	35	1.6	2.4	0.79
25	6.0	5.0	e5.7	e8.2	e11	62	598	641	32	1.3	2.3	0.73
26	5.7	4.3	e5.7	e8.0	e11	59	767	571	31	1.1	2.7	0.83
27	4.6	3.1	e5.6	e8.0	e11	64	627	543	29	1.1	1.7	0.79
28	4.2	3.7	e5.5	e7.9	e11	33	578	518	25	1.0	1.2	0.75
29	4.0	3.4	e5.6	e8.0	---	29	643	483	22	1.2	0.85	0.79
30	4.2	4.0	e5.7	e8.0	---	26	639	438	19	0.79	0.58	0.74
31	4.5	---	e5.5	e8.4	---	36	---	400	---	0.87	0.53	---
TOTAL	89.5	132.4	144.3	227.2	327.3	992	8,720	16,955	2,805	147.36	20.54	49.43
MEAN	2.89	4.41	4.65	7.33	11.7	32.0	291	547	93.5	4.75	0.66	1.65
MAX	6.0	7.5	6.2	8.5	20	109	767	1,030	416	15	2.7	7.8
MIN	1.1	2.0	2.9	5.8	8.3	10	31	275	19	0.79	0.01	0.26
AC-FT	178	263	286	451	649	1,970	17,300	33,630	5,560	292	41	98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	10.8	12.5	12.2	13.5	15.7	69.2	349	629	139	13.1	4.34	7.03
MAX	39.5	33.2	34.0	34.5	39.3	151	493	1,189	337	42.5	13.5	37.6
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1998)	(1997)	(1997)
MIN	2.66	4.41	4.65	5.66	6.74	18.1	162	78.9	5.24	0.032	0.000	0.004
(WY)	(2002)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1995 - 2003

ANNUAL TOTAL	8,742.60	30,610.03	
ANNUAL MEAN	24.0	83.9	107
HIGHEST ANNUAL MEAN			187
LOWEST ANNUAL MEAN			24.0
HIGHEST DAILY MEAN	267	Apr 16	1,860
LOWEST DAILY MEAN	0.00	Jul 8	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 16	0.00
MAXIMUM PEAK FLOW			b2,760
MAXIMUM PEAK STAGE			7.86
ANNUAL RUNOFF (AC-FT)	17,340	60,710	77,280
10 PERCENT EXCEEDS	96	341	352
50 PERCENT EXCEEDS	5.0	6.9	12
90 PERCENT EXCEEDS	0.00	0.80	1.4

e Estimated.

a Also occurred Jul 9 and Jul 16 to Sep 29, 2002.

b From rating extended above 1,120 ft³/s.

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 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=09246200

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1995 to September 1999, April 2001 to September 2003 (discontinued).

WATER TEMPERATURE: September 1995 to September 1999, April 2001 to September 2003 (discontinued).

INSTRUMENTATION.--Water-quality monitor with satellite telemetry August 1995 to September 1999. April 2001 to September 2003.

REMARKS.--Daily specific-conductance records are good except for Oct. 1-22 and Apr. 9-18, which are fair, and Apr. 19-24 and July 14-18, which are poor. Daily water-temperature records are excellent except for Nov. 17 to Mar. 23, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,120 microsiemens/cm, Mar. 19, 1999; minimum, 86 microsiemens/cm, May 21, 1999.

WATER TEMPERATURE: Maximum, 30.3°C, July 26, 2003; minimum, 0.0°C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 650 microsiemens/cm, Oct. 1; minimum, 99 microsiemens/cm, May 17.

WATER TEMPERATURE: Maximum, 30.3°C, July 26; minimum, 0.0°C, on many days.

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unfltrd lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)
OCT 22...	1030	1.6	--	9.9	8.4	423	4.4	170	41.8	16.9	2.32	0.8	24.6
NOV 18...	1005	7.6	3.7	11.9	8.2	343	0.1	150	39.0	13.7	1.69	0.6	17.3
JAN 22...	1548	7.5	--	11.5	8.1	330	0.0	140	36.4	12.8	1.41	0.6	16.7
FEB 19...	1356	14	--	10.8	7.6	380	0.0	160	41.2	15.0	1.55	0.7	20.8
MAR 05...	1430	11	4.0	10.7	8.0	391	0.0	170	41.1	15.2	1.50	0.7	21.4
APR 08...	1215	33	32	11.1	8.3	589	5.2	220	50.8	22.5	2.12	1	37.5
APR 23...	1048	422	310	11.4	8.1	188	1.0	72	17.8	6.72	1.38	0.4	8.07
JUL 18...	1130	3.8	6.5	7.5	8.5	424	24.8	160	37.7	16.7	2.45	0.8	24.6
JUL 29...	1035	1.1	--	7.3	8.5	396	23.9	160	35.3	17.0	2.67	0.9	27.3
SEP 11...	1330	7.5	15	8.3	8.5	393	13.3	150	33.9	16.3	2.64	0.9	24.1

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

Date	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	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)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT 22...	E150	2.64	<0.2	10.6	76.1	--	--	--	0.28	<0.04	<0.06	<0.008	<0.02
NOV 18...	133	2.77	<0.2	13.6	54.2	222	0.30	4.55	0.14	<0.04	<0.06	<0.008	<0.02
JAN 22...	127	1.27	<0.17	15.2	48.9	209	0.28	4.26	0.16	<0.04	0.12	<0.008	<0.02
FEB 19...	E145	1.53	0.12	14.7	73.9	--	--	--	0.15	<0.04	0.14	<0.008	<0.02
MAR 05...	155	2.15	0.14	15.1	78.1	269	0.37	8.15	0.21	E.02	0.21	<0.008	<0.02
APR 08...	109	3.62	0.15	9.9	177	371	0.51	33.1	0.36	<0.04	0.59	E.004	<0.02
APR 23...	46	1.44	0.10	8.5	34.7	113	0.15	129	1.2	<0.04	1.54	E.005	<0.02
JUL 18...	155	2.41	0.2	9.3	64.7	251	0.34	2.57	0.68	<0.04	<0.06	<0.008	<0.02
JUL 29...	139	4.28	0.2	5.0	59.0	234	0.32	0.70	0.63	<0.04	<0.06	<0.008	<0.02
SEP 11...	141	3.66	0.2	6.0	56.8	228	0.31	4.59	0.43	<0.04	<0.06	<0.008	<0.18

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO—Continued

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

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)
OCT 22...	0.014	--	--	--	--
NOV 18...	0.013	2.9	3.7	E2	E5
JAN 22...	0.005	--	--	--	--
FEB 19...	0.009	--	--	--	--
MAR 05...	0.009	2.7	3.8	E4	E5
APR 08...	0.048	--	--	--	--
APR 23...	0.40	7.2	15.0	--	--
JUL 18...	0.033	--	--	E4	E6
JUL 29...	0.044	--	--	--	--
SEP 11...	0.034	5.5	6.5	E14	E16

< -- 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, unfltrd recover-able, ug/L (01105)	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, unfltrd recover-able, ug/L (01007)	Beryllium, water, unfltrd recover-able, ug/L (01012)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, fltrd, ug/L (01040)	Copper, unfltrd recover-able, ug/L (01042)
NOV 18...	50	<2	<2	51.1	47.7	<2	<0.2	<0.2	<0.8	<0.8	<3.4	1.2	1.3
JUL 18...	130	<2	E1	60.0	62.6	<0.5	<0.2	<0.2	<0.8	<0.8	<3.4	1.8	1.4

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

Date	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Lithium water unfltrd recover-able, ug/L (01132)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd recover-able, ug/L (01147)
NOV 18...	21	180	<1	<1	7	5.2	8.5	<0.02	<0.02	E1	E1.4	<3	<3
JUL 18...	20	200	<1	M	13	5.5	39.5	<0.02	<0.02	4	2.6	<3	<3

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

Date	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)
NOV 18...	<0.3	<0.3	<24	<25
JUL 18...	<0.3	<0.3	<3	E3

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

E -- Estimated laboratory analysis value.

M -- Presence of material verified but not quantified.

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO—Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
MAR 05...	1430	11	0.0	--	6	0.18
APR 08...	1215	33	5.2	100	39	3.5
23...	1048	422	1.0	99	553	630
JUL 18...	1130	3.8	24.8	--	9	0.09
SEP 11...	1330	7.5	13.3	--	15	0.31

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	650	429	523	323	312	319	383	364	376	333	326	329
2	429	356	382	321	312	314	364	335	353	332	325	328
3	384	355	364	327	311	321	341	330	338	325	320	322
4	390	330	368	335	322	331	330	313	322	323	319	321
5	330	309	315	342	331	337	319	311	315	321	319	319
6	311	303	308	338	327	332	320	311	315	320	319	319
7	303	283	292	337	327	332	---	---	---	322	319	320
8	285	278	281	346	332	338	346	331	341	324	320	321
9	296	285	292	342	339	341	355	345	352	328	322	326
10	305	296	300	342	328	337	371	355	365	329	326	328
11	313	305	309	333	321	329	383	371	379	328	323	326
12	319	310	315	333	317	325	387	379	382	324	319	321
13	327	317	322	317	308	314	387	377	382	320	317	319
14	333	325	329	312	308	310	384	380	382	318	316	317
15	342	332	337	316	310	314	382	361	371	318	316	317
16	348	340	344	337	315	328	368	353	363	319	317	318
17	355	347	351	347	329	340	353	340	344	321	317	319
18	363	353	358	342	334	338	341	330	338	322	318	320
19	376	362	369	342	335	340	333	329	331	324	322	323
20	389	374	382	335	325	330	333	328	330	325	324	325
21	398	389	393	326	319	323	330	326	327	325	324	325
22	419	373	402	325	313	318	326	318	321	326	323	325
23	411	406	410	317	309	312	323	319	322	323	320	322
24	412	385	404	311	298	304	325	321	323	322	319	320
25	385	364	373	305	298	302	322	320	321	320	318	319
26	364	351	359	337	315	326	322	319	320	320	317	318
27	351	333	342	352	337	346	321	319	320	319	315	318
28	333	318	324	356	344	353	321	320	321	325	319	321
29	318	314	316	371	356	366	323	321	322	326	321	324
30	314	311	312	383	371	379	325	322	323	326	320	324
31	318	311	314	---	---	---	327	322	325	320	307	313
MONTH	650	278	348	383	298	330	---	---	---	333	307	322

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.4	7.3	11.1	2.5	0.6	1.7	0.9	0.0	0.2	0.0	0.0	0.0
2	13.8	9.6	11.7	2.6	0.7	1.5	1.9	0.0	0.5	0.0	0.0	0.0
3	11.7	9.2	10.3	3.1	0.0	1.1	1.6	0.0	0.4	0.0	0.0	0.0
4	10.5	7.6	9.1	3.3	0.0	1.3	0.8	0.0	0.2	0.0	0.0	0.0
5	11.8	8.6	10.1	3.8	0.0	1.6	0.9	0.0	0.2	0.0	0.0	0.0
6	13.0	8.2	10.6	4.0	0.0	1.7	1.4	0.0	0.3	0.0	0.0	0.0
7	13.9	7.4	10.8	3.2	0.0	1.6	1.1	0.0	0.2	0.0	0.0	0.0
8	14.2	8.1	11.3	2.9	1.3	2.0	0.8	0.0	0.1	0.0	0.0	0.0
9	13.7	7.6	10.7	2.7	1.4	2.3	0.7	0.0	0.1	0.0	0.0	0.0
10	13.5	7.2	10.2	1.5	0.1	0.8	0.5	0.0	0.1	0.0	0.0	0.0
11	10.2	7.4	9.3	2.5	0.0	0.9	0.5	0.0	0.1	0.0	0.0	0.0
12	11.0	4.1	7.3	2.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
13	10.9	3.1	6.6	1.3	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0
14	11.0	3.1	6.6	2.6	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.0
15	11.0	3.4	6.9	1.9	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0
16	10.3	3.9	6.8	1.4	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0
17	10.9	3.3	6.7	0.9	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
18	10.9	3.5	6.8	1.8	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
19	10.1	3.7	6.6	2.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
20	9.5	3.3	6.1	2.9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
21	9.6	3.2	6.0	2.8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
22	7.1	3.0	5.2	2.9	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
23	6.9	4.6	5.9	3.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
24	8.9	5.2	6.8	2.2	0.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
25	7.9	4.0	6.1	0.8	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
26	7.4	3.7	5.8	0.9	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
27	9.8	5.1	7.3	0.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
28	7.6	4.9	6.3	1.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
29	6.5	4.1	5.2	1.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30	4.4	2.2	3.3	1.8	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
31	2.8	0.4	1.9	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	15.4	0.4	7.6	4.0	0.0	1.0	1.9	0.0	0.1	0.0	0.0	0.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.0	0.0	0.0	0.0	0.0	0.0	10.2	3.8	7.1	6.2	3.5	4.7
2	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.4	4.8	8.3	3.4	5.7
3	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.6	3.6	8.5	5.6	7.1
4	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.3	3.3	7.2	3.8	5.4
5	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.2	4.1	6.9	3.0	4.9
6	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.4	4.2	9.9	3.7	6.6
7	0.0	0.0	0.0	0.0	0.0	0.0	5.6	1.9	3.8	8.3	5.4	6.2
8	0.0	0.0	0.0	0.0	0.0	0.0	11.1	1.6	6.0	6.0	4.4	5.3
9	0.0	0.0	0.0	0.0	0.0	0.0	13.2	4.6	8.7	6.4	3.4	4.8
10	0.0	0.0	0.0	0.0	0.0	0.0	11.7	5.2	8.9	6.9	4.5	5.6
11	0.0	0.0	0.0	0.0	0.0	0.0	10.6	3.9	7.3	9.5	3.4	6.4
12	0.0	0.0	0.0	0.0	0.0	0.0	9.5	2.7	5.6	12.3	5.1	8.8
13	0.0	0.0	0.0	0.0	0.0	0.0	9.0	1.5	5.3	11.5	7.5	9.6
14	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.9	5.0	12.4	5.5	8.9
15	0.0	0.0	0.0	0.0	0.0	0.0	7.1	1.4	2.9	11.4	6.1	8.2
16	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.7	3.8	11.0	5.0	7.9
17	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.8	5.2	10.1	5.6	8.2
18	0.0	0.0	0.0	0.0	0.0	0.0	6.3	3.1	4.2	9.1	5.9	7.4
19	0.0	0.0	0.0	0.0	0.0	0.0	10.4	1.8	4.8	10.0	4.4	7.3
20	0.0	0.0	0.0	0.1	0.0	0.0	16.0	3.0	7.4	11.0	4.9	8.1
21	0.0	0.0	0.0	1.1	0.0	0.2	8.0	3.7	6.1	12.0	5.8	9.0
22	0.0	0.0	0.0	1.5	0.0	0.3	7.8	4.6	6.3	13.2	6.8	10.1
23	0.0	0.0	0.0	2.8	0.0	1.1	6.8	0.0	1.9	14.2	7.4	10.9
24	0.0	0.0	0.0	4.0	0.1	1.9	7.2	0.0	2.9	14.5	8.3	11.6
25	0.0	0.0	0.0	7.5	0.1	3.9	8.5	1.7	5.0	13.8	8.8	11.6
26	0.0	0.0	0.0	5.4	2.5	4.0	10.9	2.4	6.1	14.7	8.3	11.7
27	0.0	0.0	0.0	5.0	0.3	2.3	8.5	2.6	5.9	16.0	10.4	13.4
28	0.0	0.0	0.0	5.5	0.0	2.4	8.4	3.6	6.4	16.7	10.9	13.9
29	---	---	---	---	0.0	---	8.0	3.5	6.0	15.8	11.8	14.1
30	---	---	---	8.7	0.6	4.5	6.9	3.1	4.7	16.2	12.0	14.2
31	---	---	---	---	3.1	---	---	---	---	16.9	12.6	14.9
MONTH	0.0	0.0	0.0	---	0.0	---	16.0	0.0	5.2	16.9	3.0	8.8

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.7	12.5	14.2	25.5	17.4	21.6	26.9	17.6	22.1	24.6	13.3	18.9
2	15.8	11.2	13.5	27.1	15.5	21.3	29.0	17.9	22.9	24.4	14.4	19.0
3	16.4	10.5	13.5	27.4	16.5	22.0	25.7	19.1	22.3	25.0	14.1	19.0
4	17.1	10.8	14.1	27.8	17.0	22.3	26.3	18.2	22.2	25.3	14.6	19.5
5	16.4	10.9	13.7	27.0	16.5	21.8	28.9	17.4	22.9	21.6	13.9	18.1
6	16.1	10.6	13.4	25.7	16.2	21.1	27.4	17.9	22.8	24.2	16.2	19.0
7	17.0	10.1	13.6	27.6	17.2	22.0	25.4	18.3	21.9	21.6	15.9	17.7
8	18.6	10.5	14.6	25.9	16.8	21.3	28.7	17.9	23.0	20.9	13.8	17.2
9	17.4	12.9	15.3	26.7	14.9	20.9	29.7	18.5	23.6	19.9	13.8	16.8
10	19.5	13.3	16.4	27.5	15.9	21.8	28.7	16.9	22.8	16.8	12.9	14.6
11	19.1	14.1	16.5	25.0	16.4	21.2	27.1	18.2	21.5	15.0	11.4	13.0
12	19.3	12.9	16.0	26.9	16.4	21.8	28.5	17.2	21.7	18.2	11.4	14.6
13	20.4	13.4	16.8	25.8	17.1	21.9	28.6	17.7	22.2	18.1	11.8	14.9
14	22.8	14.5	18.6	---	17.3	---	---	---	---	16.9	9.5	13.4
15	24.4	15.4	19.9	25.6	18.5	22.2	---	---	---	17.7	9.6	13.7
16	24.6	17.8	20.6	28.8	18.6	23.5	---	---	---	17.9	12.3	14.9
17	23.6	15.7	19.6	30.0	20.1	24.7	---	---	---	14.9	10.4	13.2
18	25.2	16.6	20.7	30.0	---	---	---	---	---	17.0	8.4	12.1
19	23.2	17.0	20.1	29.9	20.9	24.9	---	---	---	16.9	7.7	12.1
20	20.5	15.9	17.9	29.3	20.1	24.5	---	---	---	16.6	8.5	12.1
21	20.0	14.0	17.3	29.5	20.2	24.9	---	---	---	17.0	7.5	12.2
22	22.5	15.2	18.7	28.8	20.7	24.8	---	---	---	18.3	7.9	13.0
23	23.4	14.9	19.0	27.4	19.6	23.4	27.6	19.2	22.8	18.0	8.6	13.2
24	20.2	15.9	17.8	29.2	19.5	23.6	27.1	18.8	22.8	18.6	8.6	13.5
25	19.2	14.2	16.6	29.1	20.0	24.4	25.2	19.7	22.0	17.7	8.3	13.1
26	23.0	12.7	17.8	30.3	20.8	25.0	25.4	17.6	21.2	17.9	8.9	13.4
27	24.3	14.4	19.4	27.7	20.2	23.9	23.2	18.5	20.9	18.5	9.6	13.8
28	25.6	15.6	20.6	27.7	19.3	23.6	26.0	16.7	21.1	18.5	9.6	13.9
29	26.6	16.9	21.7	29.1	20.2	23.7	25.3	15.7	20.3	18.7	9.7	14.2
30	26.6	16.9	21.9	28.6	18.7	23.4	24.7	16.7	19.9	18.8	11.0	14.6
31	---	---	---	24.5	17.7	21.3	22.6	16.2	19.1	---	---	---
MONTH	26.6	10.1	17.3	---	---	---	---	---	---	25.3	7.5	15.0

403318107230100 ELKHEAD CREEK BELOW ELKHEAD RESERVOIR, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°33'18", long 107°23'01", in SE $\frac{1}{4}$ SW $\frac{1}{4}$, sec.16, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, 300 ft downstream from Elkhead Dam, and 11 mi northeast of Craig.

PERIOD OF RECORD.--April to June 1997, April 2002 to April 2003 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=403318107230100

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
APR							
08...	1050	39	384	3.9	100	98	10
23...	1250	462	355	6.0	100	21	26

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH NEAR CRAIG, CO

LOCATION.--Lat 40°32'31", long 107°23'50", in SW¼SE¼ sec.20, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, on left bank 2.0 mi downstream from Maynard Gulch, and 8.5 mi northeast of Craig.

DRAINAGE AREA.--212 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 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=09246400

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map.

REMARKS.--Record good except for estimated daily discharges, which are poor. Natural flow affected by diversions for irrigation of several hundred acres upstream from station and storage in Elkhead Reservoir.

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	1.3	1.4	1.3	e3.0	e1.1	e1.8	67	502	370	16	1.9	1.8
2	0.95	1.4	1.2	3.1	e1.3	e1.9	176	404	393	11	1.6	1.7
3	1.3	1.1	1.4	2.7	e1.1	e2.2	178	396	292	10	1.8	1.8
4	1.4	1.1	1.4	2.3	e1.0	e2.4	101	482	230	8.8	2.2	1.6
5	1.3	1.2	1.4	2.2	e1.3	e2.5	68	492	187	7.0	1.8	1.6
6	0.88	1.2	1.4	2.0	e2.2	e2.4	57	408	154	5.9	1.7	1.8
7	0.61	1.4	1.4	1.6	e1.9	e2.4	47	358	133	3.9	1.7	2.9
8	0.54	1.4	1.3	1.8	e2.0	e2.1	38	364	114	3.3	1.6	1.7
9	0.49	1.1	1.2	e2.0	e1.8	e1.8	37	380	98	3.4	1.6	1.9
10	0.46	1.0	1.0	e3.1	e2.0	1.2	83	369	92	2.0	1.6	2.9
11	0.39	1.0	1.0	e3.1	e2.0	1.5	178	322	99	2.7	1.5	2.4
12	0.36	1.0	1.3	e3.1	e2.0	1.3	264	295	100	2.4	1.7	1.5
13	0.31	1.1	1.4	e3.1	e2.0	1.5	313	405	82	2.8	1.9	1.1
14	0.33	1.1	1.4	e3.3	e2.0	1.3	424	526	70	2.2	2.0	0.62
15	0.30	1.2	1.4	e3.2	e1.8	1.5	516	818	62	1.5	2.2	0.50
16	0.34	1.0	1.4	e3.2	e1.9	1.3	385	940	52	1.5	2.5	0.69
17	0.36	1.0	1.2	e3.2	e2.1	1.5	284	969	46	1.6	3.2	0.94
18	0.36	1.0	1.4	e3.2	e1.9	1.6	259	998	45	2.1	3.6	1.6
19	0.34	1.0	1.3	e3.3	e1.9	1.4	223	825	43	2.0	2.9	1.1
20	0.27	1.0	1.2	e4.6	e2.0	1.4	188	700	44	2.5	2.6	1.2
21	0.28	1.0	1.0	e6.2	e2.1	1.4	215	662	48	2.0	2.5	1.2
22	0.40	1.0	1.1	e6.1	e1.9	1.3	300	634	45	1.5	2.7	1.8
23	1.3	1.3	1.5	e6.2	e1.9	1.1	425	632	40	1.4	3.7	1.7
24	1.3	1.0	1.7	e4.2	e1.7	2.3	360	665	35	1.4	2.6	1.6
25	1.2	1.2	1.9	e3.6	e1.7	1.2	444	645	32	1.4	2.6	1.6
26	1.3	1.4	2.1	e3.2	e1.7	1.2	894	591	29	1.4	2.5	1.3
27	1.2	1.4	2.1	e2.7	e1.7	3.5	803	538	27	1.5	2.5	1.4
28	1.2	1.4	2.3	e2.4	e1.8	28	582	507	25	1.7	2.5	1.8
29	1.4	1.4	2.3	e1.4	---	31	613	469	22	3.9	2.1	0.91
30	1.4	1.4	2.2	e1.2	---	28	655	436	18	1.7	2.2	0.76
31	1.4	---	3.0	e1.4	---	26	---	399	---	1.7	2.3	---
TOTAL	24.97	35.2	47.2	95.7	49.8	160.0	9,177	17,131	3,027	112.2	69.8	45.42
MEAN	0.81	1.17	1.52	3.09	1.78	5.16	306	553	101	3.62	2.25	1.51
MAX	1.4	1.4	3.0	6.2	2.2	31	894	998	393	16	3.7	2.9
MIN	0.27	1.0	1.0	1.2	1.0	1.1	37	295	18	1.4	1.5	0.50
AC-FT	50	70	94	190	99	317	18,200	33,980	6,000	223	138	90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003			
MEAN	10.1	11.8	10.5	12.3	14.0	68.8	368	635	139	12.8	5.99	7.13
MAX	39.3	33.2	29.8	29.6	32.0	169	503	1,224	362	39.3	13.6	32.0
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1998)	(1997)	(1997)
MIN	0.81	1.17	1.52	3.09	1.78	5.16	148	78.0	5.31	1.97	1.46	1.05
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2001)	(2001)	(2001)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1995 - 2003

ANNUAL TOTAL	9,116.68	29,975.29	
ANNUAL MEAN	25.0	82.1	108
HIGHEST ANNUAL MEAN			192 1997
LOWEST ANNUAL MEAN			25.1 2002
HIGHEST DAILY MEAN	247 Apr 16	998 May 18	1,870 May 4, 1998
LOWEST DAILY MEAN	0.27 Oct 20	0.27 Oct 20	0.15 Sep 3, 2001
ANNUAL SEVEN-DAY MINIMUM	0.32 Oct 15	0.32 Oct 15	0.28 Aug 30, 2001
MAXIMUM PEAK FLOW		1,160 May 16	2,430 May 8, 1997
MAXIMUM PEAK STAGE		4.88 May 16	a6.83 May 8, 1997
ANNUAL RUNOFF (AC-FT)	18,080	59,460	78,560
10 PERCENT EXCEEDS	89	382	379
50 PERCENT EXCEEDS	7.0	2.0	14
90 PERCENT EXCEEDS	1.0	1.0	1.6

e Estimated.

a Maximum gage height, 8.00 ft, Dec 29, 1996, backwater from ice.

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 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=09246400

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1995 to September 1999, March 2001 to September 2003 (discontinued).

WATER TEMPERATURE: August 1995 to September 1999, March 2001 to September 2003 (discontinued).

INSTRUMENTATION.--Water-quality monitor with satellite telemetry, August 1995 to September 1999, March 2001 to September 2003.

REMARKS.--Published daily specific-conductance records are good except for for the period Mar. 28 to Apr. 24, which is fair. Published daily water-temperature records are excellent. Periods of missing or deleted record are due to the sensor being out of water or instrumentation failure.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 588 microsiemens/cm, Apr. 11, 1998; minimum recorded, 113 microsiemens/cm, June 12, 2003.

WATER TEMPERATURE: Maximum recorded, 31.8°C, July 18,2003; minimum, 0.0°C on many days during winter period.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 434 microsiemens/cm, Feb. 11; minimum, 113 microsiemens/cm, June 12.

WATER TEMPERATURE: Maximum, 31.8°C, July 18; minimum, 0.0°C, on many days.

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unfltrd lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	
OCT	29...	1200	1.4	--	9.6	8.6	371	6.9	140	33.7	12.7	1.49	0.8	22.6
NOV	18...	1310	1.0	3.8	10.8	8.2	367	4.2	150	35.8	13.6	1.48	0.8	23.5
JAN	22...	1240	5.6	--	11.8	8.1	403	0.0	160	38.4	15.1	1.52	1	28.8
FEB	26...	1507	1.7	--	11.2	8.1	429	0.0	160	39.7	14.9	1.40	1	28.3
MAR	20...	1030	1.4	3.7	10.6	8.3	401	5.4	150	37.0	14.5	1.29	1	30.1
APR	08...	1014	40	10	11.9	8.3	379	2.4	140	35.4	13.5	1.65	0.9	24.8
	23...	1355	466	54	10.0	8.2	354	6.2	130	31.3	12.2	2.03	0.8	20.8
JUN	17...	1120	45	19	7.8	8.0	161	18.1	66	17.2	5.57	1.04	0.4	6.88
JUL	22...	1250	1.7	--	6.9	8.6	272	28.3	110	27.0	9.30	1.73	0.7	17.3
AUG	12...	1610	1.7	20	6.8	8.8	262	30.4	100	26.2	9.37	1.63	0.7	16.7

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

Date	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	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)	Orthophosphate, water, fltrd, mg/L as P (00671)	
OCT	29...	118	4.53	<0.2	5.5	63.9	215	0.29	0.81	0.40	<0.04	<0.06	<0.008	<0.02
NOV	18...	120	4.65	0.2	6.2	67.2	225	0.31	0.61	0.28	<0.04	<0.06	<0.008	<0.02
JAN	22...	135	4.14	0.19	6.9	71.5	247	0.34	3.76	0.34	<0.04	<0.06	<0.008	<0.02
FEB	26...	E167	4.98	0.21	6.7	75.3	--	--	--	0.31	<0.04	<0.06	<0.008	<0.02
MAR	20...	125	6.43	0.18	4.6	74.8	244	0.33	0.92	0.29	<0.04	<0.06	<0.008	<0.02
APR	08...	108	3.55	0.15	8.0	81.6	234	0.32	25.3	0.36	<0.04	0.15	<0.008	<0.02
	23...	87	2.97	0.14	8.2	77.6	210	0.29	264	0.51	<0.04	0.63	E.006	<0.02
JUN	17...	57	1.49	<0.2	10.9	18.6	97	0.13	11.8	0.43	<0.04	0.19	E.005	<0.02
JUL	22...	94	3.66	<0.2	9.7	40.9	166	0.23	0.76	0.60	E.03	<0.06	E.004	<0.02
AUG	12...	91	2.95	<0.2	10.2	36.9	159	0.22	0.73	0.58	<0.04	<0.06	<0.008	<0.02

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO—Continued

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

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)
OCT 29...	0.018	--	--	--	--
NOV 18...	0.012	6.3	6.7	E2	E10
JAN 22...	0.004	--	--	--	--
FEB 26...	0.011	--	--	--	--
MAR 20...	0.012	4.7	4.3	E2	E7
APR 08...	0.020	--	--	--	--
APR 23...	0.071	6.0	7.6	--	--
JUN 17...	0.047	--	--	21	29
JUL 22...	0.036	--	--	--	--
AUG 12...	0.039	7.1	8.4	87	103

< -- 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, unfltrd recover-able, ug/L (01105)	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover-able, ug/L (01007)	Beryllium, water, unfltrd recover-able, ug/L (01012)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)
NOV 18...	60	<2	<2	48.6	44.7	<2	E.2	E.2	<0.8	<0.8	<3.4	1.3	1.5
JUN 17...	430	<2	2	34.0	36.7	<2	<0.2	<0.2	<0.8	<1.6	<3.4	1.9	2.7

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

Date	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Lithium water unfltrd recover-able, ug/L (01132)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)
NOV 18...	12	180	<1	<1	E7	21.8	29.9	<0.02	<0.02	E1	E1.4	<3	<3
JUN 17...	50	530	<1	<1	9	5.5	21.5	<0.02	<0.02	<2	2.3	<3	<3

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

Date	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)
NOV 18...	<0.3	<0.3	<24	<25
JUN 17...	<0.3	<0.3	E2	<25

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

E -- Estimated laboratory analysis value.

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO—Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
MAR 20...	1030	1.4	5.4	--	4	0.01
APR 08...	1014	40	2.4	86	20	2.2
23...	1355	466	6.2	100	47	59
JUN 17...	1120	45	18.1	--	15	1.8
AUG 12...	1610	1.7	30.4	--	18	0.08

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	382	372	376	360	346	351	412	388	402	384	374	379
2	394	367	375	358	347	352	399	372	384	381	372	376
3	370	361	365	359	346	354	382	362	373	377	371	374
4	363	356	359	364	353	359	375	355	366	375	369	371
5	375	356	364	372	358	362	365	349	357	374	370	372
6	367	354	359	374	359	365	366	350	358	376	370	372
7	368	354	360	377	361	367	374	356	365	383	373	376
8	368	356	361	366	352	359	387	362	375	395	380	386
9	375	358	365	355	340	347	401	379	391	400	382	392
10	395	363	371	347	335	340	418	397	406	396	388	391
11	396	371	377	350	338	345	430	400	412	400	389	394
12	382	370	374	363	349	358	420	402	411	403	395	399
13	386	372	377	368	360	364	423	397	413	401	393	396
14	388	375	380	365	357	361	427	400	415	395	387	391
15	393	377	383	362	347	353	424	394	408	393	388	390
16	396	378	384	361	353	357	425	386	405	394	385	390
17	393	375	382	366	358	361	406	380	392	396	389	393
18	386	372	378	369	358	363	395	376	382	402	394	399
19	389	369	374	374	363	366	383	369	374	405	396	401
20	380	367	371	368	361	365	388	372	379	404	395	401
21	379	363	368	368	355	359	382	368	373	403	395	399
22	377	364	368	359	348	354	378	369	373	402	394	398
23	373	360	364	361	345	350	395	376	385	399	390	395
24	369	350	360	365	338	343	388	380	384	394	383	388
25	357	349	353	356	339	345	387	380	383	390	379	384
26	355	346	350	380	354	367	388	381	385	383	375	379
27	356	344	350	395	374	387	391	385	388	387	376	380
28	361	341	349	411	393	401	394	382	389	390	382	385
29	356	339	347	421	405	410	392	383	386	393	383	388
30	358	346	350	416	403	411	388	378	382	395	388	392
31	364	345	351	---	---	---	386	380	383	398	388	394
MONTH	396	339	366	421	335	363	430	349	386	405	369	388

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO—Continued

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	395	386	391	398	388	393	342	308	321	303	292	297
2	395	387	392	396	390	392	370	316	337	293	285	288
3	395	385	390	396	389	392	369	349	361	293	280	284
4	399	389	393	400	392	395	374	364	369	282	272	276
5	404	392	397	400	393	396	380	370	375	272	263	268
6	413	400	406	397	388	393	384	374	380	264	260	261
7	427	408	417	394	386	389	392	382	387	262	249	255
8	427	415	422	393	384	388	398	387	392	260	248	251
9	426	421	424	393	386	390	401	386	395	255	250	252
10	432	426	428	391	378	385	403	387	395	251	245	249
11	434	429	431	383	368	375	412	392	403	248	244	246
12	430	421	425	368	354	361	409	397	403	248	241	243
13	422	413	417	357	349	353	415	405	410	241	238	240
14	414	401	407	364	351	358	413	348	374	239	234	236
15	401	391	394	368	352	361	349	336	339	245	234	237
16	396	389	392	---	---	---	340	331	337	237	230	233
17	397	390	393	---	---	---	339	326	331	244	214	228
18	398	392	394	---	---	---	338	331	334	219	191	204
19	404	394	398	---	---	---	336	331	334	194	178	185
20	409	400	405	---	---	---	331	317	325	183	170	177
21	409	401	405	---	---	---	320	314	316	173	159	166
22	405	400	403	---	---	---	322	314	317	160	150	154
23	407	399	403	---	---	---	320	314	317	150	139	144
24	403	398	400	---	---	---	350	318	333	140	131	134
25	405	400	402	---	---	---	333	308	322	133	129	131
26	405	400	403	---	---	---	347	315	330	130	125	126
27	405	396	400	---	---	---	337	318	328	126	121	123
28	400	394	396	---	---	---	320	296	312	121	117	119
29	---	---	---	322	309	314	312	291	304	120	116	117
30	---	---	---	---	---	---	304	289	299	118	116	117
31	---	---	---	---	---	---	---	---	---	118	115	116
MONTH	434	385	405	---	---	---	415	289	349	303	115	205
DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	119	115	117	219	202	210	309	290	296	263	254	258
2	119	115	117	234	219	226	322	304	311	263	256	260
3	118	114	116	236	219	226	322	311	316	265	255	261
4	117	114	116	248	236	241	316	302	308	268	257	262
5	121	117	120	248	237	243	311	297	304	268	260	265
6	124	121	123	250	237	245	310	294	302	271	262	268
7	128	124	126	259	243	250	308	293	299	269	257	263
8	131	124	127	261	256	258	303	288	296	264	258	261
9	136	126	128	279	257	265	301	286	294	266	257	262
10	132	121	126	287	273	280	303	287	294	265	250	256
11	124	117	121	282	273	277	306	290	297	259	252	254
12	123	113	120	290	271	282	303	268	289	267	256	261
13	---	---	---	293	283	288	279	257	265	266	257	260
14	---	---	---	291	279	283	279	257	268	274	257	263
15	---	---	---	298	282	290	274	263	268	283	264	271
16	---	---	---	306	291	295	277	265	271	290	278	282
17	---	---	---	295	271	277	280	265	270	302	279	287
18	171	162	168	291	275	281	273	264	269	291	281	285
19	178	171	175	298	284	287	273	265	267	294	286	288
20	179	174	177	298	279	282	276	264	269	296	288	292
21	174	169	171	292	279	283	279	267	271	297	289	292
22	174	170	172	297	271	282	286	273	278	295	285	290
23	176	172	174	297	279	287	279	268	271	294	286	290
24	177	173	175	306	284	292	278	268	273	295	287	291
25	180	174	178	307	285	293	280	270	274	297	287	290
26	183	176	180	309	290	295	284	273	278	301	291	294
27	185	178	182	304	291	296	---	---	---	298	291	294
28	190	182	187	305	291	296	---	---	---	302	292	295
29	198	188	193	301	277	287	283	278	281	300	295	297
30	207	194	202	291	277	282	284	278	281	309	296	301
31	---	---	---	299	279	286	279	252	258	---	---	---
MONTH	---	---	---	309	202	273	---	---	---	309	250	276

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.7	8.0	12.3	4.5	1.5	2.8	2.4	1.0	1.5	0.0	0.0	0.0
2	15.3	9.3	12.1	4.3	1.3	2.4	4.5	0.9	2.1	0.0	0.0	0.0
3	12.6	9.1	10.7	5.2	0.5	2.4	4.3	0.7	2.0	0.0	0.0	0.0
4	12.7	8.1	10	4.8	1.0	2.5	2.7	1.2	1.8	0.0	0.0	0.0
5	13.8	9.0	10.8	6.5	0.9	3.2	3.6	1.2	2.1	0.0	0.0	0.0
6	15.5	8.5	11.6	7.4	0.9	3.5	4.1	1.0	2.1	0.0	0.0	0.0
7	17.5	7.6	12.1	6.2	1.0	3.3	3.6	0.5	1.7	0.0	0.0	0.0
8	17.6	8.0	12.4	5.8	2.3	3.8	3.6	0.3	1.6	0.0	0.0	0.0
9	16.7	7.4	11.7	3.8	2.1	3.3	3.4	0.2	1.5	0.0	0.0	0.0
10	15.9	7.0	11.3	3.7	1.0	2.1	3.0	0.2	1.3	0.0	0.0	0.0
11	10.8	7.6	9.6	4.0	0.8	2.0	2.7	0.3	1.2	0.0	0.0	0.0
12	13.5	3.9	8.2	5.2	0.5	2.4	1.4	0.3	0.7	0.0	0.0	0.0
13	13.0	3.2	7.6	3.6	1.3	2.2	2.4	0.0	0.8	0.0	0.0	0.0
14	13.2	3.3	7.8	5.2	1.3	2.8	2.3	0.0	0.7	0.0	0.0	0.0
15	13.1	3.7	7.9	3.8	0.7	2.0	2.0	0.0	0.7	0.0	0.0	0.0
16	12.4	4.1	7.8	3.8	0.4	1.7	1.6	0.0	0.6	0.0	0.0	0.0
17	13.0	3.7	7.9	3.3	0.5	1.7	0.7	0.0	0.3	0.0	0.0	0.0
18	13.1	3.8	8.0	4.7	0.5	2.1	0.9	0.0	0.2	0.0	0.0	0.0
19	12.7	3.5	7.6	5.3	1.1	2.9	0.7	0.0	0.1	0.0	0.0	0.0
20	12.1	3.3	7.3	6.8	1.5	3.4	0.3	0.0	0.1	0.0	0.0	0.0
21	11.7	3.1	7.1	7.0	1.2	3.4	0.1	0.0	0.0	0.0	0.0	0.0
22	8.5	3.1	6.1	7.0	1.2	3.4	0.1	0.0	0.0	0.0	0.0	0.0
23	8.7	4.9	6.7	6.7	1.4	3.6	0.1	0.0	0.0	0.0	0.0	0.0
24	11.1	5.5	7.3	4.4	1.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0
25	10.1	4.3	6.7	3.4	0.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
26	9.5	4.0	6.7	3.3	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
27	10.3	5.4	7.5	2.9	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
28	9.2	4.4	6.3	3.3	0.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0
29	7.3	3.6	5.3	3.7	0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
30	5.9	2.3	3.7	4.0	0.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
31	5.1	1.3	3.0	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	17.7	1.3	8.4	7.4	0.2	2.5	4.5	0.0	0.7	0.0	0.0	0.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.0	0.0	0.0	0.0	0.0	0.0	9.5	2.7	5.8	8.8	6.9	7.5
2	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.3	4.5	9.5	7.2	8.0
3	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.6	3.4	9.2	6.9	7.6
4	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.8	3.6	8.1	6.8	7.3
5	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.0	3.5	8.6	6.8	7.4
6	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.2	3.9	10.0	6.9	7.9
7	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.9	4.0	8.4	6.8	7.5
8	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.9	5.3	8.7	7.0	7.6
9	0.0	0.0	0.0	0.0	0.0	0.0	11.7	1.7	6.2	9.0	6.9	7.5
10	0.0	0.0	0.0	0.0	0.0	0.0	9.7	2.2	5.8	8.5	6.9	7.4
11	0.0	0.0	0.0	0.0	0.0	0.0	9.0	4.8	6.8	9.8	6.6	7.8
12	0.0	0.0	0.0	0.1	0.0	0.0	7.4	4.0	5.4	10.9	6.6	8.1
13	0.0	0.0	0.0	0.5	0.0	0.1	7.3	3.8	5.2	10.7	7.1	8.8
14	0.0	0.0	0.0	1.1	0.0	0.3	6.9	4.3	5.3	11.4	8.4	9.9
15	0.0	0.0	0.0	2.4	0.0	0.6	6.0	4.7	5.2	10.6	8.7	9.6
16	0.0	0.0	0.0	1.8	0.0	0.6	8.0	5.0	6.3	11.1	8.5	10
17	0.0	0.0	0.0	1.4	0.0	0.5	8.1	5.3	7.1	11.1	7.6	9.1
18	0.0	0.0	0.0	4.2	0.0	1.6	6.3	5.3	5.8	11.0	8.6	9.7
19	0.0	0.0	0.0	5.9	0.3	2.6	7.9	5.2	6.3	11.3	9.5	10.3
20	0.0	0.0	0.0	4.9	0.6	2.2	9.8	5.3	7.1	11.5	9.4	10.3
21	0.0	0.0	0.0	6.6	0.4	2.8	8.9	5.9	7.2	11.6	9.3	10.4
22	0.0	0.0	0.0	7.1	1.0	3.3	8.4	6.1	6.8	12.2	9.3	10.6
23	0.0	0.0	0.0	9.2	1.0	4.3	6.4	5.3	6.0	13.9	10.2	11.9
24	0.0	0.0	0.0	7.3	1.9	4.1	8.7	5.8	6.8	14.3	12.0	13.1
25	0.0	0.0	0.0	11.9	1.0	5.6	9.0	6.3	7.5	14.2	12.3	13.1
26	0.0	0.0	0.0	7.2	2.1	3.7	8.1	6.0	6.9	14.9	12.5	13.5
27	0.0	0.0	0.0	8.8	1.1	4.0	8.6	5.9	6.9	16.2	12.9	14.7
28	0.0	0.0	0.0	7.3	1.5	4.2	8.3	6.4	7.1	17.1	15.0	16.2
29	---	---	---	6.4	0.9	3.6	8.1	6.6	7.2	17.1	14.4	16.1
30	---	---	---	---	1.0	---	8.4	6.8	7.3	17.6	14.1	15.3
31	---	---	---	---	2.1	---	---	---	---	17.6	14.3	15.5
MONTH	0.0	0.0	0.0	---	0.0	---	11.7	0.9	5.9	17.6	6.6	10.3

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.9	14.3	16.3	23.2	19.4	21.3	29.1	18.8	23.4	25.1	15.2	19.8
2	17.4	13.9	15.2	26.3	17.7	21.6	30.1	19.3	23.9	24.6	16.3	19.8
3	18.1	14.4	15.9	26.6	18.5	22.3	25.9	20.1	22.9	24.5	16.2	19.8
4	18.1	14.1	15.8	27.1	18.3	22.4	27.7	19.2	23.1	25.8	15.9	20.4
5	18.7	14.6	16.6	27.2	18.5	22.6	30.1	18.8	23.9	22.1	16.4	19.3
6	18.9	14.7	16.5	25.8	18.3	22.2	27.3	19.4	23.4	23.5	17.5	19.4
7	19.2	14.4	16.4	27.6	18.1	22.5	25.3	19.6	22.3	22.3	17.3	18.9
8	20.2	14.2	16.8	26.7	18.5	22.3	28.5	18.6	23.1	21.9	15.7	18.2
9	18.4	13.9	15.7	27.2	17.2	22.2	29.3	20.0	24.2	21.9	14.5	17.4
10	18.9	12.6	15.6	28.5	17.7	23.0	30.4	19.2	24.4	17.0	13.4	15.1
11	19.2	13.6	15.7	26.2	18.5	22.4	29.3	20.4	23.8	15.5	12.9	13.9
12	---	---	---	29.0	18.1	23.1	30.3	18.6	23.6	20.8	12.2	15.9
13	---	---	---	28.2	18.9	23.3	30.1	19.7	24.1	20.8	12.1	15.7
14	---	---	---	30.0	18.8	24.1	30.2	20.3	24.1	20.3	10.1	14.7
15	---	---	---	26.1	19.5	23.0	26.8	16.9	21.7	20.1	10.2	14.9
16	---	---	---	30.3	19.6	24.3	24.5	19.1	21.3	19.7	12.5	15.8
17	---	---	---	31.5	20.9	25.2	23.9	18.1	20.0	15.2	10.8	13.4
18	23.0	17.8	20.8	31.8	20.9	25.4	23.3	16.9	19.3	18.2	9.1	12.8
19	21.8	17.0	19.5	31.1	20.4	24.8	26.7	16.0	20.9	18.5	8.9	13.1
20	19.4	16.0	17.7	31.0	20.3	24.4	27.5	17.0	21.8	17.6	9.7	13.2
21	20.2	14.9	17.5	31.2	20.6	25.2	27.6	17.8	22.1	18.3	8.6	13.1
22	21.3	15.5	18.2	31.0	20.7	25.3	26.3	19.4	22.2	19.7	9.2	13.9
23	20.8	15.3	18.5	29.2	20.6	24.6	27.7	19.9	23.0	19.2	9.8	14.3
24	19.2	14.9	16.8	30.9	20.1	24.4	28.7	19.3	23.2	20.0	9.8	14.5
25	18.4	14.5	16.6	31.0	20.6	25.1	26.1	18.9	22.0	18.9	9.9	14.3
26	21.3	14.6	18.1	30.9	21.0	25.2	26.6	17.6	21.3	18.9	10.4	14.5
27	21.7	16.1	19.3	29.7	20.6	24.6	---	18.5	---	19.6	10.8	14.8
28	22.6	16.8	20.1	29.2	20.4	24.5	26.9	---	---	19.7	11.0	15.0
29	23.6	18.1	21.2	28.2	21.1	23.8	25.1	17.1	20.7	19.3	11.1	15.1
30	24.5	19.0	21.7	29.3	19.4	23.9	24.9	17.4	20.2	19.2	12.3	15.4
31	---	---	---	26.6	19.3	22.5	23.5	17.2	19.7	---	---	---
MONTH	---	---	---	31.8	17.2	23.6	---	---	---	25.8	8.6	15.9

09246920 FORTIFICATION CREEK NEAR FORTIFICATION, CO

LOCATION.--Lat 40°44'38", long 107°32'25", in NW¹/₄NW¹/₄ sec.18, T.9 N., R.90 W., Moffat County, Hydrologic Unit 14050001, on right bank 10 ft downstream from County Road 108, and 4.5 mi south of Fortification.

DRAINAGE AREA.--40 mi².

PERIOD OF RECORD.--October 1984 to September 1991, September 2002 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09246920

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,520 ft above NGVD of 1929, from topographic map. Prior to Sept. 5, 2002 at site 30 ft downstream at datum 3.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, and July 18 to Sept. 30, which are poor. Natural flow of stream affected by diversions for irrigation of hay fields above 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	0.00	1.1	2.0	2.0	2.5	3.0	12	26	63	7.5	0.07	0.01
2	0.07	1.2	2.6	2.1	4.8	3.1	13	e26	48	8.7	0.05	0.00
3	0.02	1.2	4.1	2.1	8.0	2.9	11	e26	36	8.1	0.04	0.00
4	0.00	1.1	2.1	2.1	2.5	2.7	5.6	e26	30	8.3	0.03	0.01
5	0.00	1.5	2.0	2.1	2.6	2.6	5.0	e26	25	7.3	0.02	0.01
6	0.00	1.4	2.7	2.2	2.4	2.6	4.3	e26	23	6.0	0.01	0.01
7	0.00	1.3	4.5	2.1	2.4	2.5	3.6	e26	20	5.5	0.00	0.01
8	0.00	1.2	5.8	2.1	2.1	2.4	3.7	24	19	5.1	0.00	0.01
9	0.00	1.3	5.2	2.0	2.0	2.7	4.5	23	19	4.5	0.01	0.01
10	0.01	1.1	3.8	1.9	2.2	3.2	10	23	21	5.2	0.01	0.01
11	0.01	0.98	2.3	1.9	2.3	8.3	16	21	22	2.0	0.01	0.02
12	0.02	e1.8	2.4	1.9	2.2	15	19	20	19	1.4	0.01	0.01
13	0.02	e1.7	2.7	2.0	2.0	43	18	36	16	1.8	0.02	0.01
14	0.02	e1.6	2.9	2.0	3.2	68	23	47	15	1.4	0.02	0.01
15	0.02	2.1	2.8	2.0	e3.3	67	23	63	16	1.2	0.01	0.02
16	0.02	1.9	2.3	2.0	e3.3	41	16	60	20	0.97	0.01	0.02
17	0.16	3.3	2.2	2.1	3.4	32	15	75	22	0.89	0.01	0.03
18	0.21	3.9	2.3	2.0	2.7	16	15	74	17	0.83	0.02	0.03
19	0.26	2.6	2.2	1.9	2.7	12	13	72	16	0.72	0.02	0.04
20	0.39	3.0	2.2	1.8	3.2	13	12	61	15	0.46	0.03	0.04
21	0.46	3.3	2.3	1.7	2.9	17	12	60	14	0.49	0.02	0.04
22	0.54	2.8	2.4	1.7	2.8	22	14	61	13	0.39	0.04	0.04
23	0.96	2.2	2.3	1.7	2.9	20	18	66	12	0.35	0.06	0.04
24	1.3	2.3	2.2	1.7	3.3	15	48	73	14	0.32	0.02	0.04
25	1.2	3.1	2.1	1.7	3.3	6.7	68	72	13	0.30	0.01	0.03
26	1.1	1.0	2.0	1.8	3.3	6.3	77	63	13	0.23	0.01	0.03
27	1.2	1.0	2.0	2.0	3.1	7.1	51	62	12	0.19	0.00	0.03
28	1.1	1.6	2.0	2.0	3.0	6.7	38	71	11	0.13	0.00	0.03
29	1.1	1.8	2.0	2.0	---	5.3	38	72	9.7	0.12	0.01	0.02
30	1.1	3.5	2.0	2.1	---	3.9	33	67	8.3	0.10	0.01	0.01
31	1.0	---	2.0	2.2	---	8.6	---	64	---	0.08	0.01	---
TOTAL	12.29	57.88	82.4	60.9	84.4	461.6	639.7	1,512	602.0	80.57	0.59	0.62
MEAN	0.40	1.93	2.66	1.96	3.01	14.9	21.3	48.8	20.1	2.60	0.019	0.021
MAX	1.3	3.9	5.8	2.2	8.0	68	77	75	63	8.7	0.07	0.04
MIN	0.00	0.98	2.0	1.7	2.0	2.4	3.6	20	8.3	0.08	0.00	0.00
AC-FT	24	115	163	121	167	916	1,270	3,000	1,190	160	1.2	1.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

	1985	1985	1985	1985	1986	1986	1985	1986	1986	1986	1985	1986
MEAN	2.70	2.60	2.09	2.26	5.60	17.4	34.7	40.8	18.9	2.09	0.36	0.66
MAX	7.48	4.90	4.45	4.64	26.3	33.4	87.0	78.5	58.3	6.41	0.94	1.81
(WY)	(1985)	(1985)	(1985)	(1985)	(1986)	(1986)	(1985)	(1986)	(1986)	(1986)	(1985)	(1986)
MIN	0.40	1.31	1.12	1.29	1.44	2.84	13.4	9.69	6.97	0.074	0.000	0.000
(WY)	(2003)	(1991)	(1988)	(1988)	(1989)	(1988)	(1991)	(1989)	(1987)	(1988)	(1988)	(1990)

SUMMARY STATISTICS

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

FOR 2003 WATER YEAR

3,594.95
9.85
77 Apr 26
0.00 Oct 1
0.00 Oct 4
161 Apr 25
3.81 Apr 25
7,130
26
2.2
0.01

WATER YEARS 1985 - 2003

10.8
21.6 1986
3.64 1989
208 Mar 25, 1985
a0.00 Jul 12, 1988
0.00 Jul 12, 1988
465 Mar 25, 1985
4.64 Mar 25, 1985
7,860
34
2.3
0.14

e Estimated.

a No flow many days, most years.

09247600 YAMPA RIVER BELOW CRAIG, CO

LOCATION.--Lat 40°28'51", long 107°36'49", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.6 N., R.91 W., Moffat County, Hydrologic Unit 14050001, on left bank 0.5 mi downstream from state highway 13-789 bridge, and 3.3 mi southwest of Craig.

DRAINAGE AREA.--1,750 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1975 to September 1980 (discharge measurements only). October 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09247600

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,100 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, power plants at Hayden and Craig, transbasin diversions, storage reservoirs, 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	95	140	e199	e115	e155	e169	723	3,570	10,600	1,580	220	125
2	94	143	e200	e119	e151	e172	1,400	3,050	11,800	1,450	216	108
3	117	168	e198	e124	e148	e184	1,700	2,800	11,000	1,360	187	80
4	172	137	e196	e127	e146	e195	1,280	2,920	8,490	1,230	137	76
5	216	121	e195	e122	e137	e200	908	3,140	6,980	1,120	121	75
6	183	148	180	e122	e133	e200	801	2,970	5,780	1,000	125	65
7	166	150	161	e119	e141	e210	741	2,530	5,150	913	111	95
8	161	148	154	e117	e149	e210	648	2,530	4,680	836	83	110
9	179	166	e150	e121	e147	e215	613	2,620	4,690	745	70	143
10	194	194	149	e126	e140	e215	889	2,730	4,780	689	89	175
11	173	196	154	e133	e136	228	1,480	2,490	5,320	609	84	205
12	176	181	e142	e131	e135	339	1,990	2,230	5,460	572	90	287
13	175	169	141	e129	e138	469	2,250	2,380	4,700	565	96	266
14	145	184	140	e132	e153	651	2,820	2,990	4,400	515	88	261
15	137	196	154	e135	e162	821	3,330	3,970	4,420	492	83	236
16	140	175	154	e131	e166	858	3,290	4,880	4,320	454	79	180
17	128	152	e148	e139	e180	795	2,660	5,770	3,970	421	87	161
18	129	172	e138	e134	e192	678	2,320	6,590	3,640	418	102	130
19	130	172	130	e132	e209	556	2,220	6,640	3,500	419	144	148
20	126	188	e119	e139	e192	525	1,880	6,140	3,550	441	182	168
21	118	195	105	e135	e177	500	1,810	6,410	3,360	463	154	157
22	109	183	e111	e135	e163	536	2,040	6,220	2,970	468	131	144
23	114	186	e113	e141	e163	566	2,510	6,660	2,860	401	147	125
24	133	198	e109	e148	e178	910	2,890	7,390	2,680	356	138	122
25	155	219	89	e153	e171	994	3,880	8,360	2,400	315	133	136
26	154	164	e101	e150	e151	815	4,960	8,920	2,150	287	136	128
27	141	142	e101	e147	e161	776	4,830	8,250	1,910	266	170	121
28	121	129	e102	e145	e167	699	4,040	8,800	1,880	244	173	128
29	134	e156	e105	e148	---	565	3,930	9,850	1,820	229	137	140
30	145	e190	e113	e153	---	479	3,940	10,700	1,690	250	113	137
31	147	---	e108	e155	---	481	---	10,900	---	269	118	---
TOTAL	4,507	5,062	4,359	4,157	4,441	15,211	68,773	165,400	140,950	19,377	3,944	4,432
MEAN	145	169	141	134	159	491	2,292	5,335	4,698	625	127	148
MAX	216	219	200	155	209	994	4,960	10,900	11,800	1,580	220	287
MIN	94	121	89	115	133	169	613	2,230	1,690	229	70	65
AC-FT	8,940	10,040	8,650	8,250	8,810	30,170	136,400	328,100	279,600	38,430	7,820	8,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	312	298	233	229	283	762	2,340	4,862	4,015	948	259	228
MAX	884	506	407	371	841	1,718	4,835	7,524	8,471	3,683	712	1,011
(WY)	(1998)	(1998)	(1985)	(1998)	(1986)	(1986)	(1985)	(1985)	(1995)	(1995)	(1997)	(1997)
MIN	143	165	141	114	111	229	931	1,961	1,139	47.5	25.2	50.6
(WY)	(2002)	(1995)	(2003)	(1989)	(1989)	(1988)	(1995)	(2002)	(2002)	(2002)	(2002)	(1994)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1985 - 2003

ANNUAL TOTAL	169,318.16	440,613	
ANNUAL MEAN	464	1,207	1,233
HIGHEST ANNUAL MEAN			1,925
LOWEST ANNUAL MEAN			468
HIGHEST DAILY MEAN	3,290	Jun 1	11,800
LOWEST DAILY MEAN	0.41	Sep 6	65
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 1	86
MAXIMUM PEAK FLOW			12,500
MAXIMUM PEAK STAGE			9.87
ANNUAL RUNOFF (AC-FT)	335,800	874,000	892,900
10 PERCENT EXCEEDS	1,630	3,970	4,030
50 PERCENT EXCEEDS	170	181	340
90 PERCENT EXCEEDS	30	116	140

e Estimated.

09247600 YAMPA RIVER BELOW CRAIG, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1975 to September 1980, 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=09247600

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 unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
OCT 30...	1300	150	10.2	8.4	352	4.1	120	30.7	10.6	2.20	1	25.5	E110
FEB 19...	1023	216	10.8	8.0	402	0.1	140	35.7	13.2	2.61	1	27.4	E139
MAY 21...	0925	5,840	9.3	7.8	146	9.0	56	14.3	4.96	1.19	0.3	5.70	42
AUG 19...	1530	147	7.9	8.7	355	22.0	130	31.1	12.2	2.46	1	25.3	108

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, 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)
OCT 30...	11.7	0.2	2.2	50.1	--	--	--	0.25	<0.04	<0.06	<0.008	E.01	0.023
FEB 19...	14.1	0.24	7.4	65.6	--	--	--	0.33	<0.04	0.31	<0.008	<0.02	0.036
MAY 21...	2.11	<0.2	9.2	21.6	86	0.12	1,360	0.67	<0.04	0.37	E.004	<0.02	0.21
AUG 19...	9.89	0.2	1.5	53.2	201	0.27	79.7	0.42	<0.04	<0.06	<0.008	<0.02	0.033

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

Date	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC col/ 100 mL (31625)	Cadmium, water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury, water, fltrd, ug/L (71890)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT 30...	E3	E6	<0.2	<1.2	160	<1	13.4	22.0	<0.02	<3	<0.3	<24
FEB 19...	E6	E4	<0.2	E.6	160	<1	28.1	32.8	<0.02	<3	<0.3	<24
MAY 21...	25	31	<0.2	E.8	3,430	<1	9.4	120	<0.02	<3	<0.3	<24
AUG 19...	24	22	<0.2	<1.2	130	<1	7.7	38.7	<0.02	<3	<0.3	<3

< -- 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 unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV 06...	1020	141	365	1.3	AUG 05...	1350	128	327	24.8
MAR 11...	1315	215	585	0.6	SEP 04...	1300	69	446	22.7
APR 08...	1430	622	635	8.0					
30...	1100	3,910	296	8.5					

09251000 YAMPA RIVER NEAR MAYBELL, CO

LOCATION.--Lat 40°30'10", long 108°01'45", in SE¹/₄NW¹/₄ sec.2, T.6 N., R.95 W., Moffat County, Hydrologic Unit 14050002, on left bank 60 ft downstream from bridge on U.S. Highway 40, 2.0 mi downstream from Lay Creek, and 3.0 mi east of Maybell.

DRAINAGE AREA.--3,410 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1904 to October 1905, June 1910 to November 1912, April 1916 to current year. Monthly discharge only for some periods, published in WSP 1313. No winter records prior to 1917. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09251000

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,900.23 ft above NGVD of 1929. See WSP 1733 for history of changes prior to Mar. 9, 1937.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs, and diversions upstream from station for irrigation of about 65,000 acres upstream from, and about 800 acres 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	91	181	e244	e183	e217	e203	588	4,600	12,100	1,650	215	87
2	110	202	e253	e180	e211	e203	903	3,800	12,700	1,520	170	87
3	160	190	e256	e178	e201	e218	1,580	3,270	12,900	1,410	157	99
4	149	210	e253	e183	e193	e225	1,720	3,310	10,600	1,290	156	81
5	204	200	e251	e175	e189	e250	1,160	3,670	8,760	1,130	117	65
6	290	167	e241	e178	e184	e300	963	3,600	7,420	1,040	94	55
7	256	186	e236	e182	e197	e350	872	3,050	6,390	907	95	69
8	215	204	233	e183	e203	e400	785	2,860	5,680	821	86	82
9	187	207	e217	e186	e198	e450	692	2,930	5,200	734	63	121
10	184	228	e198	e188	e187	514	705	3,020	5,420	644	57	139
11	216	259	e198	e193	e182	707	1,060	2,910	5,710	576	43	164
12	196	267	e210	e192	e178	999	1,730	2,600	6,340	501	52	204
13	192	245	e200	e195	e187	998	2,240	2,470	5,740	478	66	269
14	199	236	e186	e197	e198	1,150	2,590	3,240	4,880	454	70	259
15	175	262	e183	e197	e210	1,360	3,280	4,420	4,790	392	67	256
16	153	277	e186	e190	e216	1,370	3,540	5,990	4,720	373	61	234
17	159	232	e211	e200	e224	1,180	3,010	7,170	4,560	348	62	183
18	156	212	e210	e187	e237	1,030	2,520	8,460	3,970	326	60	163
19	141	233	e200	e187	e249	847	2,360	8,950	3,710	321	67	141
20	145	261	e170	e197	e237	712	2,100	8,230	3,730	339	95	125
21	140	251	e150	e201	e222	665	1,840	7,970	3,760	360	126	151
22	137	274	e155	e206	e210	650	1,950	8,070	3,340	369	133	160
23	134	261	e160	e203	e209	666	2,350	8,400	2,980	370	130	151
24	138	265	e150	e200	e215	748	3,080	8,970	2,890	325	112	174
25	144	300	e130	e205	e219	1,180	3,560	9,730	2,680	279	117	149
26	185	266	e150	e198	e203	1,010	4,700	10,200	2,420	256	115	152
27	186	185	e164	e208	e193	926	5,300	10,100	2,050	230	109	154
28	179	185	e162	e205	e198	875	4,860	10,300	1,880	217	113	136
29	155	189	e173	e205	---	761	4,520	11,000	1,880	207	138	145
30	156	212	e175	e211	---	648	4,690	11,700	1,790	195	122	151
31	173	---	e178	e216	---	586	---	12,100	---	202	102	---
TOTAL	5,305	6,847	6,083	6,009	5,767	22,181	71,248	197,090	160,990	18,264	3,170	4,406
MEAN	171	228	196	194	206	716	2,375	6,358	5,366	589	102	147
MAX	290	300	256	216	249	1,370	5,300	12,100	12,900	1,650	215	269
MIN	91	167	130	175	178	203	588	2,470	1,790	195	43	55
AC-FT	10,520	13,580	12,070	11,920	11,440	44,000	141,300	390,900	319,300	36,230	6,290	8,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2003, BY WATER YEAR (WY)

MEAN	347	352	296	278	333	716	2,594	6,235	5,476	1,373	376	245
MAX	1,174	768	624	610	1,071	2,063	6,496	14,000	12,810	5,819	1,052	1,366
(WY)	(1998)	(1998)	(1948)	(1948)	(1986)	(1986)	(1962)	(1984)	(1917)	(1957)	(1957)	(1997)
MIN	117	184	137	115	160	221	735	1,850	548	20.4	12.7	27.8
(WY)	(1964)	(1977)	(1964)	(1934)	(1964)	(1964)	(1944)	(1977)	(1934)	(1934)	(2002)	(1934)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1916 - 2003

ANNUAL TOTAL	183,174.1	507,360		
ANNUAL MEAN	502	1,390	1,553	
HIGHEST ANNUAL MEAN			3,025	1984
LOWEST ANNUAL MEAN			477	1977
HIGHEST DAILY MEAN	3,420	Jun 1	12,900	Jun 3
LOWEST DAILY MEAN	1.8	Aug 31	43	Aug 11
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 28	59	Aug 10
MAXIMUM PEAK FLOW			13,200	Jun 3
MAXIMUM PEAK STAGE			9.60	Jun 3
ANNUAL RUNOFF (AC-FT)	363,300	1,006,000	1,125,000	
10 PERCENT EXCEEDS	1,720	4,640	5,250	
50 PERCENT EXCEEDS	220	218	400	
90 PERCENT EXCEEDS	11	128	174	

e Estimated.

09251000 YAMPA RIVER NEAR MAYBELL, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1950 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09251000

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1950 to August 1973, July 1975 to current year.

pH: November 1998 to current year.

WATER TEMPERATURE: November 1950 to August 1973, July 1975 to current year.

SUSPENDED-SEDIMENT DISCHARGE: December 1950 to May 1958, October 1975 to September 1976, October 1977 to September 1978, October 24, 1981 to September 1982.

INSTRUMENTATION.--Water-quality monitor, July 1975 to October 1997; water-quality monitor with satellite telemetry, October 1997 to current year.

REMARKS.--Specific-conductance record is excellent except Mar. 15-25, which is good, pH record is excellent except Oct. 1 to Dec. 23 and June 11 to Sept. 30, which is good, and Dec. 24-26, which is fair, and water-temperature record is excellent. Unpublished maximum and minimum specific-conductance data for period of daily record available in district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,630 microsiemens/cm, July 21, 2002; minimum, 78 microsiemens/cm, June 1-2, 1994.

pH: Maximum, 9.2 units, July 19, 2003; minimum, 7.6 units, August 8, 2001 and June 1, 2002.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 29, 1976; minimum, 0.0°C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 992 microsiemens/cm, Mar. 26; minimum, 106 microsiemens/cm, June 13.

pH: Maximum, 9.2 units, July 19; minimum, 7.9 units, on many days.

WATER TEMPERATURE: Maximum, 29.5°C, Aug. 13; minimum, 0.0°C, on many days.

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

Date	Time	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)	Selen- ium, water, fltrd, ug/L (01145)
OCT								
17...	1030	160	9.7	8.6	467	7.9	279	0.6
DEC								
23...	1200	124	11.2	8.4	598	0.0	389	--
FEB								
27...	1240	234	11.4	8.5	614	0.1	398	--
MAR								
25...	1400	1,220	10.0	8.4	900	8.1	631	--
APR								
09...	1030	686	10.1	8.7	710	7.1	482	--
MAY								
07...	1130	3,010	9.1	8.3	345	8.9	229	--
JUN								
10...	1046	5,250	9.7	8.0	118	13.1	78	--
JUL								
23...	1115	372	7.6	8.6	351	24.7	214	--
AUG								
22...	0844	136	7.7	8.3	587	20.4	360	--

09251000 YAMPA RIVER NEAR MAYBELL, CO—Continued

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	637	620	628	546	526	540	586	549	570	640	627	635
2	635	609	617	542	528	536	586	557	578	627	616	622
3	616	606	610	538	523	533	561	543	555	638	621	632
4	673	615	646	536	520	529	543	517	534	625	601	613
5	669	590	629	540	526	531	517	486	494	608	597	602
6	590	571	576	543	522	532	491	475	483	604	586	595
7	573	565	569	548	520	533	503	478	491	587	579	584
8	565	524	544	549	521	536	510	492	500	587	576	582
9	524	508	514	551	538	544	531	509	520	604	580	593
10	517	510	513	550	530	538	558	531	544	608	601	604
11	517	500	508	543	528	534	585	555	568	609	603	605
12	503	490	497	543	529	537	568	539	548	614	604	608
13	491	477	483	534	528	531	581	546	568	623	614	618
14	479	472	475	532	503	513	599	572	585	626	617	622
15	480	475	478	507	499	503	601	572	590	619	610	614
16	479	467	473	503	491	497	623	574	592	613	603	608
17	471	461	466	530	493	515	602	568	585	609	602	605
18	475	463	470	531	516	524	584	563	577	617	604	609
19	488	475	483	524	502	512	584	559	570	623	614	618
20	490	481	487	529	503	516	606	584	598	617	607	612
21	502	487	495	548	520	535	619	585	599	645	617	631
22	510	501	507	539	525	532	598	571	582	645	620	633
23	511	507	509	532	523	527	634	597	620	626	613	618
24	514	509	512	525	508	519	687	634	678	629	618	624
25	520	513	515	509	493	505	695	670	680	618	595	606
26	543	520	531	537	506	518	725	695	708	597	583	590
27	544	537	540	554	521	530	749	708	726	600	584	588
28	550	539	545	569	541	552	735	666	688	612	599	607
29	545	534	539	568	530	551	698	664	686	599	592	595
30	541	527	534	562	518	534	687	649	672	607	598	602
31	528	519	523	---	---	---	649	635	642	635	604	618
MONTH	673	461	530	569	491	528	749	475	591	645	576	609
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	723	635	656	711	663	693	847	814	829	282	271	276
2	731	666	700	708	670	692	825	778	795	301	279	290
3	746	635	673	670	641	662	883	736	817	316	300	307
4	873	746	784	675	622	649	736	577	641	318	300	310
5	873	657	741	681	620	655	583	559	567	307	284	295
6	708	665	690	688	656	675	623	581	600	327	296	310
7	690	627	647	683	644	662	673	622	649	346	327	337
8	690	632	660	712	680	703	695	669	680	351	335	344
9	696	657	677	711	614	659	695	669	682	349	334	341
10	696	676	686	700	633	656	701	664	685	366	349	359
11	707	678	693	666	554	636	686	638	664	399	366	386
12	693	678	686	644	554	607	638	544	597	399	384	391
13	689	672	681	678	605	650	544	449	480	393	371	385
14	675	564	632	698	656	674	449	394	416	376	312	349
15	663	568	591	716	634	671	394	343	369	312	264	284
16	612	579	598	707	633	677	346	322	333	264	229	241
17	752	608	678	702	631	681	364	323	337	235	210	220
18	752	687	710	729	672	695	367	354	363	210	180	190
19	718	658	694	805	729	765	366	353	361	180	170	174
20	695	648	676	855	805	825	373	357	363	173	167	170
21	685	649	671	867	837	849	389	372	382	171	162	167
22	680	649	667	910	867	888	382	370	378	166	153	158
23	694	645	672	916	907	912	370	347	358	159	146	151
24	705	662	686	908	890	896	391	344	359	150	139	143
25	703	678	687	974	892	926	630	391	442	143	135	139
26	697	668	683	992	929	961	630	419	519	137	131	134
27	700	643	667	938	807	865	419	347	389	135	125	130
28	700	642	665	859	807	840	347	322	329	132	120	126
29	---	---	---	885	848	860	326	304	311	135	118	126
30	---	---	---	891	872	882	305	277	287	134	121	128
31	---	---	---	885	847	859	---	---	---	130	118	124
MONTH	873	564	677	992	554	752	883	277	499	399	118	241

09251000 YAMPA RIVER NEAR MAYBELL, CO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	8.5	8.1	8.3	8.5	8.4	8.4	8.6	8.2	8.5	8.0	8.0	8.0
2	8.5	8.1	8.3	8.5	8.4	8.4	8.5	8.3	8.4	8.1	8.0	8.0
3	8.4	8.2	8.3	8.6	8.4	8.5	8.5	8.2	8.3	8.0	8.0	8.0
4	8.4	8.3	8.3	8.6	8.4	8.5	8.5	8.2	8.4	8.0	8.0	8.0
5	8.4	8.2	8.3	8.6	8.1	8.5	8.5	8.4	8.4	8.0	7.9	8.0
6	8.5	8.4	8.4	8.8	8.1	8.5	8.4	8.3	8.3	8.0	7.9	7.9
7	8.5	8.3	8.4	8.6	8.2	8.5	8.4	8.2	8.3	8.0	7.9	7.9
8	8.5	8.4	8.4	8.5	8.3	8.4	8.4	8.1	8.3	8.0	7.9	7.9
9	8.6	8.3	8.4	8.4	8.2	8.4	8.5	8.0	8.2	8.0	7.9	7.9
10	8.5	8.3	8.4	8.4	8.3	8.4	8.2	8.0	8.1	7.9	7.9	7.9
11	8.5	8.3	8.4	8.5	8.2	8.4	8.4	8.0	8.1	7.9	7.9	7.9
12	8.4	8.3	8.3	8.5	8.3	8.4	8.5	8.3	8.5	8.0	7.9	7.9
13	8.5	8.3	8.3	8.4	8.3	8.4	8.5	8.2	8.4	8.0	7.9	7.9
14	8.5	8.3	8.3	8.6	8.3	8.4	8.5	8.2	8.3	8.0	7.9	7.9
15	8.4	8.3	8.3	8.7	8.3	8.4	8.5	8.1	8.3	8.0	7.9	7.9
16	8.4	8.2	8.3	8.6	8.4	8.5	8.4	8.1	8.3	8.0	7.9	7.9
17	8.4	8.2	8.3	8.6	8.4	8.5	8.4	8.3	8.3	8.1	7.9	8.0
18	8.5	8.3	8.4	8.6	8.3	8.5	8.5	8.2	8.3	8.1	7.9	8.0
19	8.5	8.3	8.4	8.6	8.4	8.5	8.4	8.1	8.2	8.1	7.9	8.0
20	8.5	8.3	8.4	8.6	8.4	8.4	8.2	8.0	8.1	8.1	7.9	8.0
21	8.5	8.3	8.4	8.5	8.0	8.1	8.3	8.0	8.2	8.1	7.9	8.0
22	8.4	8.2	8.4	8.6	8.3	8.5	8.5	8.1	8.3	8.1	7.9	8.0
23	8.5	8.2	8.4	8.6	8.4	8.5	8.1	8.0	8.1	8.1	8.0	8.0
24	8.5	8.3	8.4	8.5	8.1	8.3	8.4	8.0	8.3	8.1	8.0	8.0
25	8.5	8.3	8.4	8.5	8.2	8.4	8.5	8.2	8.4	8.2	8.0	8.1
26	8.5	8.4	8.4	8.6	8.1	8.5	8.3	8.1	8.2	8.2	8.0	8.1
27	8.6	8.4	8.4	8.6	8.0	8.3	8.1	8.0	8.0	8.2	8.0	8.1
28	8.6	8.4	8.5	8.6	7.9	8.0	8.1	8.0	8.1	8.2	8.0	8.1
29	8.6	8.4	8.5	8.6	8.2	8.3	8.1	8.0	8.1	8.2	8.1	8.1
30	8.5	8.4	8.5	8.5	8.0	8.4	8.1	8.0	8.1	8.2	8.1	8.1
31	8.5	8.4	8.4	---	---	---	8.1	8.0	8.0	8.2	8.1	8.1
MAX	8.6	8.4	8.5	8.8	8.4	8.5	8.6	8.4	8.5	8.2	8.1	8.1
MIN	8.4	8.1	8.3	8.4	7.9	8.0	8.1	8.0	8.0	7.9	7.9	7.9
	FEBRUARY			MARCH			APRIL			MAY		
1	8.2	8.1	8.1	---	---	---	8.8	8.6	8.7	8.3	8.3	8.3
2	8.1	8.0	8.1	---	---	---	8.8	8.7	8.8	8.6	8.3	8.3
3	---	---	---	---	---	---	8.8	8.3	8.3	8.3	8.3	8.3
4	---	---	---	---	---	---	8.3	8.2	8.3	8.4	8.3	8.4
5	---	---	---	---	---	---	8.3	8.2	8.3	8.4	8.3	8.4
6	---	---	---	---	---	---	8.4	8.3	8.4	8.4	8.3	8.3
7	---	---	---	---	---	---	8.6	8.4	8.5	8.4	8.3	8.4
8	---	---	---	---	---	---	8.7	8.5	8.6	8.4	8.4	8.4
9	---	---	---	---	---	---	8.9	8.6	8.7	8.4	8.4	8.4
10	---	---	---	---	---	---	9.0	8.9	8.9	8.4	8.4	8.4
11	---	---	---	---	---	---	9.0	8.8	8.9	8.5	8.4	8.4
12	---	---	---	---	---	---	8.9	8.4	8.5	8.5	8.4	8.5
13	---	---	---	---	---	---	8.4	8.3	8.3	8.5	8.4	8.5
14	---	---	---	---	---	---	8.3	8.2	8.3	8.5	8.4	8.5
15	---	---	---	---	---	---	8.2	8.2	8.2	8.4	8.3	8.3
16	---	---	---	---	---	---	8.2	8.2	8.2	8.3	8.2	8.3
17	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.2	8.3
18	---	---	---	---	---	---	8.3	8.3	8.3	8.3	8.3	8.3
19	---	---	---	---	---	---	8.4	8.3	8.4	8.4	8.3	8.3
20	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3
21	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3
22	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3
23	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3
24	---	---	---	---	---	---	8.4	8.3	8.4	8.4	8.3	8.4
25	---	---	---	---	---	---	8.4	8.3	8.3	8.4	8.3	8.3
26	---	---	---	8.4	8.3	8.3	8.3	8.1	8.2	8.4	8.3	8.3
27	---	---	---	8.5	8.4	8.4	8.2	8.1	8.2	8.3	8.2	8.3
28	---	---	---	8.5	8.5	8.5	8.3	8.2	8.2	8.4	8.2	8.3
29	---	---	---	8.6	8.5	8.5	8.3	8.3	8.3	8.3	8.2	8.2
30	---	---	---	8.6	8.5	8.6	8.3	8.3	8.3	8.3	8.2	8.2
31	---	---	---	---	---	---	---	---	---	8.3	8.1	8.2
MAX	---	---	---	---	---	---	9.0	8.9	8.9	8.6	8.4	8.5
MIN	---	---	---	---	---	---	8.2	8.1	8.2	8.3	8.1	8.2

GREEN RIVER BASIN

09251000 YAMPA RIVER NEAR MAYBELL, CO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	8.2	8.1	8.1	8.3	8.1	8.2	8.9	8.6	8.7	8.9	8.4	8.6			
2	8.3	8.1	8.2	8.3	8.1	8.2	8.9	8.5	8.7	8.9	8.4	8.6			
3	8.2	8.0	8.1	8.4	8.1	8.2	8.9	8.5	8.7	8.9	8.4	8.6			
4	8.1	8.0	8.1	8.4	8.2	8.3	8.9	8.5	8.7	8.9	8.4	8.6			
5	8.1	8.1	8.1	8.4	8.1	8.3	8.9	8.4	8.6	8.8	8.4	8.6			
6	8.1	8.1	8.1	8.4	8.2	8.3	8.9	8.4	8.6	8.9	8.4	8.6			
7	8.1	8.1	8.1	8.5	8.2	8.3	8.9	8.3	8.5	8.8	8.3	8.6			
8	8.1	8.1	8.1	8.5	8.2	8.4	8.9	8.3	8.6	8.9	8.4	8.6			
9	8.2	8.1	8.1	8.6	8.3	8.4	8.9	8.3	8.6	8.9	8.4	8.6			
10	8.2	7.9	8.1	8.6	8.4	8.5	8.9	8.3	8.6	8.8	8.5	8.6			
11	8.1	8.1	8.1	8.7	8.4	8.5	8.9	8.3	8.6	8.8	8.5	8.7			
12	8.1	8.0	8.0	8.7	8.4	8.5	8.9	8.3	8.5	8.8	8.6	8.7			
13	8.1	7.9	8.0	8.7	8.4	8.6	8.9	8.3	8.6	8.8	8.6	8.7			
14	8.1	8.0	8.0	8.7	8.5	8.6	8.9	8.3	8.6	8.8	8.6	8.7			
15	8.1	8.0	8.0	8.7	8.5	8.6	8.9	8.3	8.6	8.8	8.6	8.7			
16	8.1	8.0	8.0	8.8	8.5	8.6	8.9	8.3	8.6	8.8	8.6	8.7			
17	8.1	8.0	8.0	8.8	8.5	8.7	8.9	8.3	8.5	8.8	8.5	8.6			
18	8.1	8.0	8.0	8.9	8.5	8.7	8.9	8.3	8.6	8.8	8.5	8.6			
19	8.1	8.0	8.1	9.2	8.5	8.7	8.9	8.3	8.6	8.8	8.5	8.7			
20	8.1	8.0	8.1	8.9	8.6	8.8	8.9	8.3	8.5	8.8	8.5	8.7			
21	8.1	8.0	8.1	8.9	8.6	8.8	8.8	8.4	8.6	8.9	8.6	8.7			
22	8.1	8.1	8.1	9.0	8.7	8.8	8.9	8.4	8.6	8.9	8.6	8.8			
23	8.1	8.1	8.1	---	---	---	9.0	8.5	8.7	8.9	8.7	8.8			
24	8.1	8.1	8.1	---	---	---	9.1	8.4	8.7	8.9	8.7	8.8			
25	8.1	8.1	8.1	9.0	8.6	8.8	9.0	8.4	8.6	8.9	8.8	8.8			
26	8.2	8.1	8.1	9.1	8.7	8.8	9.0	8.4	8.7	9.0	8.7	8.8			
27	8.2	8.1	8.1	9.0	8.6	8.8	9.0	8.5	8.7	9.0	8.8	8.8			
28	8.2	8.1	8.2	9.0	8.6	8.8	9.0	8.5	8.7	9.0	8.7	8.8			
29	8.3	8.1	8.2	9.0	8.6	8.8	8.8	8.5	8.6	9.0	8.8	8.8			
30	8.3	8.1	8.2	8.9	8.5	8.7	8.8	8.4	8.6	8.9	8.8	8.8			
31	---	---	---	8.9	8.6	8.7	8.9	8.4	8.6	---	---	---			
MAX	8.3	8.1	8.2	---	---	---	9.1	8.6	8.7	9.0	8.8	8.8			
MIN	8.1	7.9	8.0	---	---	---	8.8	8.3	8.5	8.8	8.3	8.6			

09251000 YAMPA RIVER NEAR MAYBELL, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.4	10.2	12.9	3.9	1.8	2.6	0.8	0.0	0.2	0.1	0.0	0.0
2	14.9	10.5	12.2	4.3	1.8	2.5	1.3	0.0	0.3	0.1	0.0	0.0
3	12.3	9.9	11.2	4.1	0.2	1.9	0.9	0.0	0.2	0.1	0.0	0.0
4	12.2	9.5	10.5	3.5	0.2	1.6	0.8	0.0	0.2	0.1	0.0	0.0
5	13.1	9.6	11.1	4.1	0.3	1.9	1.7	0.0	0.5	0.0	0.0	0.0
6	13.5	10.0	11.6	5.2	1.0	2.6	1.8	0.0	0.4	0.0	0.0	0.0
7	14.4	10.1	12.0	4.7	1.4	2.9	1.7	0.0	0.4	0.0	0.0	0.0
8	15.0	10.7	12.4	5.3	2.9	3.8	1.4	0.0	0.3	0.0	0.0	0.0
9	14.9	10.4	12.1	4.2	2.4	3.6	1.0	0.0	0.2	0.0	0.0	0.0
10	14.3	10.1	11.7	3.4	1.3	2.1	1.1	0.1	0.3	0.0	0.0	0.0
11	11.7	9.7	11.1	4.0	1.1	2.1	0.9	0.0	0.2	0.0	0.0	0.0
12	11.7	7.3	9.1	3.5	0.7	2.0	0.4	0.0	0.1	0.0	0.0	0.0
13	11.0	6.4	8.2	2.8	1.8	2.2	0.6	0.0	0.1	0.0	0.0	0.0
14	10.9	6.3	8.1	3.4	0.7	1.8	0.7	0.0	0.2	0.1	0.0	0.0
15	11.2	6.4	8.3	2.8	0.5	1.6	0.8	0.0	0.1	0.1	0.0	0.0
16	11.6	6.7	8.6	1.9	0.0	0.7	1.6	0.0	0.3	0.1	0.0	0.0
17	11.6	6.8	8.3	1.5	0.0	0.6	0.5	0.0	0.1	0.2	0.0	0.0
18	11.5	6.5	8.3	2.8	0.0	0.9	0.1	0.0	0.0	0.1	0.0	0.0
19	11.3	5.9	7.9	3.2	0.3	1.4	0.7	0.0	0.1	0.1	0.0	0.0
20	10.8	5.6	7.5	3.7	0.8	1.9	1.1	0.0	0.2	0.1	0.0	0.0
21	10.6	5.6	7.4	4.0	1.3	2.3	0.4	0.0	0.1	0.2	0.0	0.0
22	9.6	5.2	7.0	4.3	1.3	2.5	0.3	0.0	0.1	0.2	0.0	0.0
23	8.3	6.4	7.1	4.7	2.0	3.0	0.3	0.0	0.1	0.2	0.0	0.1
24	9.4	6.0	7.4	4.4	2.4	3.2	0.2	0.0	0.0	0.2	0.0	0.0
25	9.7	6.0	7.5	2.6	0.0	1.3	0.2	0.0	0.0	0.2	0.0	0.1
26	8.2	6.1	7.0	1.4	0.0	0.2	0.2	0.0	0.0	0.2	0.0	0.1
27	10.4	6.5	8.0	1.5	0.0	0.3	0.3	0.0	0.1	0.2	0.0	0.1
28	8.9	6.3	7.4	1.1	0.0	0.3	0.2	0.0	0.0	0.2	0.0	0.1
29	6.5	4.2	5.9	0.8	0.0	0.1	0.2	0.0	0.0	0.2	0.0	0.1
30	5.0	2.5	3.9	0.8	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.1
31	4.6	2.4	3.3	---	---	---	0.0	0.0	0.0	0.3	0.0	0.1
MONTH	16.4	2.4	8.9	5.3	0.0	1.8	1.8	0.0	0.2	0.3	0.0	0.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.3	0.0	0.1	0.2	0.0	0.1	10.7	7.6	9.3	9.7	8.4	9.0
2	0.1	0.0	0.0	0.2	0.0	0.1	9.9	8.0	8.9	9.8	7.9	8.8
3	0.2	0.0	0.0	0.3	0.0	0.1	8.3	6.0	7.3	10.2	8.1	9.1
4	0.1	0.0	0.0	0.1	0.0	0.0	6.7	5.0	5.8	10.1	8.5	9.2
5	0.1	0.0	0.0	0.2	0.0	0.1	6.0	4.7	5.4	9.8	8.2	8.9
6	0.2	0.0	0.0	0.3	0.0	0.1	6.0	3.7	4.9	10.4	7.8	9.1
7	0.2	0.0	0.0	0.3	0.0	0.1	6.6	3.9	5.4	9.9	8.7	9.3
8	0.2	0.0	0.1	0.4	0.0	0.1	9.1	4.7	6.9	9.4	8.3	8.8
9	0.1	0.0	0.0	0.3	0.0	0.1	11.2	6.7	9.1	9.2	7.6	8.4
10	0.1	0.0	0.0	0.9	0.0	0.3	12.7	8.2	10.6	8.7	7.9	8.2
11	0.1	0.0	0.0	1.5	0.0	0.5	13.8	9.9	12.0	9.7	7.1	8.3
12	0.2	0.0	0.0	2.3	0.0	0.8	12.8	10.5	11.6	12.1	7.8	10.0
13	0.2	0.0	0.0	3.0	0.0	1.3	11.6	9.3	10.5	14.2	10.6	12.4
14	0.3	0.0	0.1	3.6	0.1	2.0	10.9	9.1	10.2	15.5	12.6	14.0
15	0.2	0.0	0.0	4.3	0.9	2.8	10.3	8.2	9.1	14.9	12.8	13.6
16	0.1	0.0	0.0	4.4	3.2	3.8	9.2	7.0	8.0	13.8	11.9	12.8
17	0.1	0.0	0.0	3.8	2.7	3.2	8.9	6.9	8.0	12.7	11.6	12.1
18	0.1	0.0	0.0	3.1	1.6	2.5	9.1	7.4	8.1	11.6	10.4	11.2
19	0.2	0.0	0.0	3.7	1.5	2.7	7.9	6.7	7.3	10.4	8.9	9.4
20	0.2	0.0	0.0	4.6	2.3	3.6	9.2	5.6	7.5	10.8	8.5	9.6
21	0.2	0.0	0.0	6.7	3.4	5.2	10.3	7.7	9.0	11.3	9.4	10.4
22	0.2	0.0	0.0	8.6	5.4	7.1	10.4	9.0	9.6	12.2	10.0	11.1
23	0.2	0.0	0.0	9.0	6.5	7.8	9.8	7.4	8.5	13.0	10.9	11.9
24	0.2	0.0	0.0	8.2	6.0	7.2	8.0	6.4	7.2	13.2	11.2	12.2
25	0.1	0.0	0.0	8.6	5.4	7.0	8.8	5.4	7.1	13.0	11.4	12.3
26	0.1	0.0	0.0	7.5	5.5	6.7	10.5	7.9	9.2	12.9	11.3	12.2
27	0.2	0.0	0.1	5.5	3.3	4.0	10.8	9.2	10	14.0	11.8	12.9
28	0.2	0.0	0.1	4.4	1.8	3.2	11.2	9.4	10.2	14.4	12.3	13.4
29	---	---	---	4.7	2.3	3.7	11.2	9.3	10.2	14.5	13.0	13.8
30	---	---	---	6.9	2.8	4.9	10.5	9.5	10	14.0	12.9	13.5
31	---	---	---	---	5.0	---	---	---	---	13.9	12.7	13.4
MONTH	0.3	0.0	0.0	---	0.0	---	13.8	3.7	8.6	15.5	7.1	10.9

GREEN RIVER BASIN

09251000 YAMPA RIVER NEAR MAYBELL, CO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.4	13.0	13.7	21.4	18.7	20.1	26.7	20.6	23.3	24.6	15.5	19.8
2	13.7	12.4	13.0	21.8	17.9	19.9	27.5	20.7	23.5	24.2	16.1	19.5
3	13.9	12.4	13.1	22.4	18.6	20.5	24.5	21.3	22.7	25.2	16.7	20.3
4	13.4	12.2	12.9	22.9	19.0	21.0	26.0	20.2	22.6	25.4	16.2	20.4
5	13.6	11.8	12.8	22.9	18.7	20.9	27.4	18.7	22.6	20.1	16.0	18.3
6	13.3	11.4	12.2	22.9	18.6	20.9	27.4	18.3	22.4	22.3	15.8	18.8
7	13.2	11.0	12.1	22.7	18.7	20.9	24.3	19.3	21.4	22.3	16.9	18.9
8	14.1	11.7	12.9	22.8	18.8	21.1	26.4	18.0	21.9	20.4	15.4	17.8
9	13.9	12.9	13.4	23.0	18.2	20.8	28.2	18.3	23.0	20.9	15.0	17.3
10	14.5	12.8	13.7	24.0	19.3	21.8	29.4	19.0	23.8	17.0	14.3	15.2
11	14.6	13.4	14.1	23.4	20.2	22.0	28.8	20.2	23.7	17.5	13.6	15.2
12	14.2	12.1	13.1	24.8	19.9	22.3	27.9	18.9	22.8	18.9	13.6	15.8
13	13.6	11.7	12.7	23.8	20.3	22.3	29.5	19.5	23.7	17.5	13.5	15.3
14	15.3	12.6	13.9	25.0	20.2	22.9	29.2	20.4	24.2	17.5	12.4	14.7
15	16.2	14.3	15.3	24.4	21.4	22.9	26.0	18.5	22.4	17.7	12.5	14.8
16	16.2	15.0	15.5	25.7	21.1	23.5	26.0	19.3	21.8	17.4	14.1	15.4
17	16.4	14.7	15.5	26.1	22.0	24.0	24.3	18.4	20.6	14.6	11.6	13.8
18	17.0	14.5	15.7	27.5	22.7	24.8	24.3	17.7	20.8	15.9	9.6	12.4
19	17.5	15.2	16.2	28.0	22.5	24.7	25.4	16.5	21.3	16.5	9.9	12.7
20	16.0	14.7	15.3	27.7	22.6	24.9	25.7	16.7	21.1	17.8	10.1	13.4
21	15.3	13.7	14.6	27.0	22.6	24.8	25.2	18.3	21.2	17.3	10.5	13.5
22	15.9	13.4	14.6	27.6	23.1	25.3	25.4	19.9	22.3	17.8	11.2	14.0
23	16.6	14.2	15.5	27.5	23.0	25.0	27.1	20.2	23.0	18.3	11.4	14.3
24	15.6	14.7	15.1	27.2	22.2	24.3	27.2	19.7	22.7	18.2	12.2	14.7
25	15.9	13.7	14.8	27.7	22.8	24.8	26.3	20.3	22.4	18.3	11.4	14.3
26	17.9	14.5	16.2	28.1	22.8	25.0	26.9	18.4	22.3	18.7	11.5	14.6
27	19.2	15.4	17.3	26.8	22.8	24.6	23.5	19.4	21.3	19.2	12.8	15.4
28	20.3	16.5	18.4	27.8	21.6	24.2	25.6	17.8	21.3	19.7	12.4	15.5
29	21.3	17.7	19.5	28.2	22.6	24.8	25.1	17.7	20.8	19.1	12.4	15.4
30	21.4	18.3	20.0	28.1	21.3	24.1	23.8	18.0	20.1	19.0	13.1	15.5
31	---	---	---	25.3	20.9	22.8	25.4	16.8	20.4	---	---	---
MONTH	21.4	11.0	14.8	28.2	17.9	23.0	29.5	16.5	22.2	25.4	9.6	15.9

09251100 YAMPA RIVER ABOVE LITTLE SNAKE RIVER, NEAR MAYBELL, CO

LOCATION.--Lat 40°27'39", long 108°25'30", in NW¼NE¼ sec.20, T.6 N., R.98 W., Moffat County, Hydrologic Unit 14050002, attached to center pier of Moffat County Road 25 bridge, 1 mi upstream from the mouth of Little Snake River and 18 mi west of Maybell.

DRAINAGE AREA.--3,837 mi².

PERIOD OF RECORD.--May 1996 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=09251100

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,640 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor, and the period July 5-19, which is fair. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs and diversions for irrigation of about 65,800 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	101	191	236	e184	e220	205	621	4,630	12,200	1,870	201	144
2	123	197	e262	e183	e216	204	679	4,040	12,300	1,740	221	127
3	132	204	e260	e187	e209	224	1,310	3,420	13,200	1,580	187	122
4	164	194	e256	e189	e205	215	1,750	3,230	11,900	1,460	177	136
5	156	205	e257	e181	e196	231	1,530	3,520	9,470	1,280	180	128
6	188	205	252	e190	e191	254	1,100	3,630	7,980	1,140	149	104
7	223	177	e243	e192	e202	265	953	3,310	6,870	998	134	90
8	205	192	e235	e193	e207	281	899	2,930	6,120	824	127	91
9	183	213	e233	e195	e204	330	793	2,940	5,460	711	126	128
10	164	211	224	e197	e191	449	708	3,010	5,580	634	104	175
11	164	222	e200	e203	e186	511	830	3,050	5,720	598	91	232
12	183	242	205	e199	e184	789	1,510	2,750	6,460	e560	79	247
13	173	245	e210	e200	200	888	2,120	2,490	6,420	e500	71	278
14	171	234	e190	e201	191	1,090	2,390	2,770	5,340	e440	88	327
15	176	230	e180	e200	e217	1,260	2,950	3,730	5,080	420	103	320
16	166	243	183	e198	e224	1,360	3,430	5,140	5,070	385	95	312
17	150	249	216	e204	e232	1,360	3,280	6,210	4,940	361	106	289
18	151	221	202	e193	e245	1,160	2,730	7,570	4,450	344	105	244
19	150	215	200	e192	e235	984	2,440	8,410	e4,050	308	106	218
20	136	223	e169	e201	e230	816	2,350	8,140	e4,050	306	104	197
21	140	237	e165	e207	226	710	2,030	7,860	e4,200	328	104	164
22	141	233	e160	e210	213	677	1,960	8,010	e3,700	344	149	187
23	152	243	e170	e208	210	673	2,210	8,300	e3,470	347	172	205
24	151	239	e140	e206	218	711	2,780	8,850	3,220	339	163	196
25	159	248	e150	e210	223	923	3,130	9,570	3,030	306	149	200
26	158	256	e169	e208	206	1,240	4,080	10,100	2,720	280	143	170
27	185	e190	e167	e212	196	981	5,050	10,100	2,440	266	133	162
28	187	e170	e178	e210	200	929	5,040	10,100	2,120	238	136	178
29	189	e190	e181	e211	---	861	4,510	10,700	2,080	213	130	160
30	172	e240	e186	216	---	e736	4,530	11,600	2,020	204	163	166
31	172	---	e186	e220	---	e668	---	12,200	---	196	154	---
TOTAL	5,065	6,559	6,265	6,200	5,877	21,985	69,693	192,310	171,660	19,520	4,150	5,697
MEAN	163	219	202	200	210	709	2,323	6,204	5,722	630	134	190
MAX	223	256	262	220	245	1,360	5,050	12,200	13,200	1,870	221	327
MIN	101	170	140	181	184	204	621	2,490	2,020	196	71	90
AC-FT	10,050	13,010	12,430	12,300	11,660	43,610	138,200	381,400	340,500	38,720	8,230	11,300

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

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MEAN	412	398	321	348	368	951	2,670	6,105	5,051	1,008	335	343
MAX	1,250	758	494	532	546	1,908	4,258	9,419	9,348	2,004	921	1,448
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1998)	(1997)	(1997)
MIN	163	219	202	200	210	378	1,500	1,949	1,184	39.5	24.1	53.1
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1996 - 2003

ANNUAL TOTAL	188,410.00	514,981		
ANNUAL MEAN	516	1,411	1,505	
HIGHEST ANNUAL MEAN			2,458	1997
LOWEST ANNUAL MEAN			525	2002
HIGHEST DAILY MEAN	3,100	Jun 2	13,200	Jun 3
LOWEST DAILY MEAN	0.00	Jul 14	71	Aug 13
ANNUAL SEVEN-DAY MINIMUM	0.73	Jul 13	90	Aug 10
MAXIMUM PEAK FLOW			16,100	Jun 3
MAXIMUM PEAK STAGE			10.56	Jun 3
ANNUAL RUNOFF (AC-FT)	373,700	1,021,000	1,090,000	
10 PERCENT EXCEEDS	1,760	4,570	4,920	
50 PERCENT EXCEEDS	235	224	425	
90 PERCENT EXCEEDS	18	149	162	

e Estimated.

a Also occurred Jul 15-18, 2002.

09253000 LITTLE SNAKE RIVER NEAR SLATER, CO

LOCATION.--Lat 40°59'58", long 107°08'34", in SW¹/₄NW¹/₄ sec.15, T.12 N., R.87 W., Routt County, Hydrologic Unit 14050003, on left bank just downstream from highway bridge at Focus Ranch, 0.2 mi downstream from Spring Creek, and 12 mi east of Slater.

DRAINAGE AREA.--285 mi².

PERIOD OF RECORD.--October 1942 to September 1947, October 1950 to September 1999, 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=09253000

REVISED RECORDS.--WSP 1733: 1960.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,831.00 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 2,000 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	20	23	e26	e29	e33	e28	51	387	2,000	164	27	22
2	22	26	e28	e28	e33	e34	67	332	1,650	162	25	20
3	28	25	e32	e29	e32	e33	66	367	1,270	150	24	19
4	23	20	32	e28	e32	e32	54	420	1,030	137	27	19
5	18	22	29	e28	e32	e30	49	389	860	127	27	19
6	15	19	28	e27	e33	e29	47	326	756	118	24	21
7	14	19	25	e26	e33	e28	47	338	697	111	22	27
8	15	21	24	e26	e34	e33	45	346	559	103	21	27
9	12	27	24	e26	e34	e31	51	325	541	92	21	26
10	9.3	27	26	e26	e32	e35	80	301	550	87	19	31
11	7.8	32	31	e27	e34	e40	124	254	572	80	19	57
12	8.2	27	e32	e28	e33	e44	146	279	501	74	21	48
13	6.8	26	e32	e27	e33	e50	194	437	479	67	22	33
14	6.7	25	e31	e26	e47	e53	291	613	477	63	21	26
15	8.4	29	e32	e26	e40	e54	299	838	419	59	19	23
16	11	28	e32	e25	e36	e49	222	966	394	58	17	21
17	12	32	e32	e26	e34	e49	221	1,150	359	53	20	20
18	13	32	e32	e25	e32	e44	214	1,170	333	50	37	24
19	11	27	e31	e26	e30	43	153	1,140	315	51	36	27
20	13	27	e30	e26	e29	44	187	1,040	323	49	25	25
21	15	26	e30	e26	e29	39	262	1,050	298	51	21	22
22	16	26	e30	e27	e29	40	297	1,080	271	43	20	20
23	22	26	e30	e27	e30	42	302	1,170	256	38	37	19
24	22	25	e30	e28	e30	44	245	1,340	225	36	35	18
25	22	28	e29	e28	e31	47	291	1,430	226	35	27	17
26	21	e26	e29	e28	e31	44	421	1,370	206	34	25	16
27	22	e27	e29	e29	e32	48	428	1,570	182	34	23	17
28	22	e27	e29	e31	e30	64	454	1,700	168	33	21	16
29	24	e26	e29	e32	---	139	518	1,750	159	31	19	16
30	19	e25	e28	e33	---	46	523	1,900	149	33	20	16
31	24	---	e27	e34	---	43	---	1,960	---	30	22	---
TOTAL	503.2	776	909	858	918	1,379	6,349	27,738	16,225	2,253	744	712
MEAN	16.2	25.9	29.3	27.7	32.8	44.5	212	895	541	72.7	24.0	23.7
MAX	28	32	32	34	47	139	523	1,960	2,000	164	37	57
MIN	6.7	19	24	25	29	28	45	254	149	30	17	16
AC-FT	998	1,540	1,800	1,700	1,820	2,740	12,590	55,020	32,180	4,470	1,480	1,410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	38.9	36.1	32.4	31.8	32.7	51.1	262	1,073	925	157	39.0	29.1
MAX	91.8	77.8	59.4	74.5	59.5	139	842	2,122	2,231	519	97.3	80.5
(WY)	(1962)	(1962)	(1983)	(1983)	(1962)	(1989)	(1974)	(1984)	(1983)	(1983)	(1945)	(1997)
MIN	16.2	18.4	14.8	16.3	20.4	23.8	77.6	379	178	26.9	12.9	11.0
(WY)	(2003)	(1959)	(1977)	(1945)	(1945)	(1977)	(1973)	(2002)	(1987)	(2002)	(2002)	(1944)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1944 - 2003

ANNUAL TOTAL	31,221.8	59,364.2	
ANNUAL MEAN	85.5	163	228
HIGHEST ANNUAL MEAN			423
LOWEST ANNUAL MEAN			86.4
HIGHEST DAILY MEAN	504	2,000	3,960
LOWEST DAILY MEAN	3.9	6.7	3.9
ANNUAL SEVEN-DAY MINIMUM	7.7	8.3	6.2
MAXIMUM PEAK FLOW		2,490	4,780
MAXIMUM PEAK STAGE		7.15	a8.78
ANNUAL RUNOFF (AC-FT)	61,930	117,700	165,100
10 PERCENT EXCEEDS	329	432	815
50 PERCENT EXCEEDS	30	32	40
90 PERCENT EXCEEDS	11	19	21

e Estimated.

a Maximum gage height, 9.95 ft, Apr 25, 1974.

09255000 SLATER FORK NEAR SLATER, CO

LOCATION.--Lat 40°58'57", long 107°22'56", in SW¹/₄NE¹/₄ sec.21, T.12 N., R.89 W., Moffat County, Hydrologic Unit 14050003, on right bank 15 ft downstream from highway bridge, 1.0 mi upstream from mouth, and 1.5 mi south of Slater.

DRAINAGE AREA.--161 mi².

PERIOD OF RECORD.--May to October, December 1910, March to October 1911, and April to May 1912 (published as Slater Creek), July 1931 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=09255000

REVISED RECORDS.--WSP 618: 1910-11. WSP 764: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,600 ft above NGVD of 1929, from river-profile map. May 28, 1910 to May 25, 1912, nonrecording gage at site 1.5 mi upstream at different datum. July 9, 1931 to May 6, 1932, nonrecording gage at site 0.2 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 500 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	9.4	13	15	11	e12	17	39	197	809	17	4.2	4.8
2	12	13	15	11	e12	14	52	160	586	15	3.8	4.5
3	16	7.2	14	11	13	18	51	191	401	15	3.6	4.5
4	21	13	14	12	e12	18	34	220	295	14	3.7	4.5
5	23	14	14	12	12	17	32	216	228	13	3.9	4.4
6	25	13	13	11	13	17	30	168	202	11	4.0	4.4
7	25	14	12	11	15	17	27	180	188	13	3.4	4.7
8	26	15	11	11	16	20	24	195	146	11	2.6	6.0
9	26	15	11	11	17	18	29	171	140	13	2.2	6.6
10	26	14	11	10	16	20	42	153	143	13	1.9	6.7
11	25	14	12	11	16	22	68	126	180	10	1.8	8.3
12	25	12	13	11	16	26	93	134	144	8.8	1.8	10
13	24	15	14	11	17	29	108	219	117	9.6	1.9	11
14	24	15	14	11	e16	35	158	274	127	9.4	2.2	10
15	24	13	14	11	e17	37	185	411	113	9.4	2.4	9.7
16	24	10	13	11	18	35	132	455	103	8.9	2.4	9.4
17	24	15	14	11	17	34	107	546	109	8.2	2.8	8.9
18	24	16	14	11	17	28	102	597	96	7.3	4.1	9.2
19	24	15	12	10	16	25	70	529	83	6.5	5.6	9.5
20	23	15	10	10	16	24	61	393	92	5.9	6.1	9.5
21	11	14	15	10	16	23	75	375	84	5.3	5.7	9.4
22	9.9	14	15	10	16	24	106	389	63	4.8	5.0	9.1
23	12	15	12	10	16	26	143	435	54	4.1	4.9	8.9
24	14	16	12	10	17	37	113	488	44	3.7	6.1	8.9
25	14	12	11	10	17	27	170	536	40	3.5	6.3	8.6
26	14	5.6	11	9.6	17	29	208	512	35	3.3	6.2	8.4
27	12	8.8	11	9.9	18	30	222	549	30	3.6	6.0	7.7
28	12	13	11	12	16	24	232	577	27	3.9	5.6	7.5
29	13	14	11	11	---	22	286	584	22	4.0	4.9	7.3
30	11	14	11	11	---	26	294	625	20	4.2	4.6	7.3
31	13	---	10	e12	---	27	---	669	---	4.3	4.5	---
TOTAL	586.3	397.6	390	334.5	437	766	3,293	11,274	4,721	263.7	124.2	229.7
MEAN	18.9	13.3	12.6	10.8	15.6	24.7	110	364	157	8.51	4.01	7.66
MAX	26	16	15	12	18	37	294	669	809	17	6.3	11
MIN	9.4	5.6	10	9.6	12	14	24	126	20	3.3	1.8	4.4
AC-FT	1,160	789	774	663	867	1,520	6,530	22,360	9,360	523	246	456

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

MEAN	20.0	19.2	17.5	17.3	18.7	29.7	120	380	247	36.9	9.75	11.5
MAX	62.4	49.2	44.1	36.9	46.5	144	323	801	660	189	38.4	55.0
(WY)	(1986)	(1985)	(1985)	(1985)	(1986)	(1998)	(1985)	(1984)	(1995)	(1983)	(1945)	(1984)
MIN	7.29	7.73	7.30	4.42	9.83	12.6	25.2	45.7	16.0	1.27	1.39	3.20
(WY)	(1934)	(1934)	(1932)	(1992)	(1981)	(1965)	(1933)	(1934)	(2002)	(1977)	(1994)	(1960)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1932 - 2003

ANNUAL TOTAL	10,976.3	22,817.0	
ANNUAL MEAN	30.1	62.5	77.5
HIGHEST ANNUAL MEAN			157 1984
LOWEST ANNUAL MEAN			20.5 1934
HIGHEST DAILY MEAN	250	809	1,500
LOWEST DAILY MEAN	1.1	1.8	a0.00
ANNUAL SEVEN-DAY MINIMUM	1.3	2.0	0.00
MAXIMUM PEAK FLOW		1,030	b2,250
MAXIMUM PEAK STAGE		8.50	c11.78
ANNUAL RUNOFF (AC-FT)	21,770	45,260	56,140
10 PERCENT EXCEEDS	103	186	252
50 PERCENT EXCEEDS	14	14	20
90 PERCENT EXCEEDS	1.8	4.8	7.0

e Estimated.

a Also occurred several days during years 1936, 1954, and 1977.

b From rating curve extended above 1,000 ft³/s.

c From floodmark.

09260000 LITTLE SNAKE RIVER NEAR LILY, CO

LOCATION.--Lat 40°32'50", long 108°25'25", in NW¼NE¼ sec.20, T.7 N., R.98 W., Moffat County, Hydrologic Unit 14050003, on left bank 170 ft downstream from highway bridge, 6.0 mi north of Lily, and 10 mi upstream from mouth.

DRAINAGE AREA.--3,730 mi², approximately.

PERIOD OF RECORD.--June to August 1904 (published as "near Maybell"), October 1921 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=09260000

REVISED RECORDS.--WSP 1713: 1959.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,685 ft above NGVD of 1929, from river-profile map. June 9 to Aug. 14, 1904, nonrecording gage, and May 5, 1922 to Nov. 30, 1935, water-stage recorder, at site 300 ft upstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 21,000 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	0.22	57	e60	e60	e91	188	e250	1,380	3,820	246	5.1	0.43
2	12	73	e60	e60	e102	207	e300	1,280	3,700	215	8.2	0.10
3	45	47	e50	e60	e111	172	383	974	3,790	180	1.9	0.03
4	9.5	55	e60	e40	e111	157	567	801	2,780	143	2.0	0.00
5	14	49	e55	e50	e108	164	575	829	2,170	130	1.1	0.02
6	40	83	e65	e50	e106	168	470	926	1,800	117	0.17	0.09
7	30	72	e60	e55	e95	168	398	864	1,510	101	1.1	0.06
8	56	65	e55	e55	e88	202	340	743	1,350	104	2.1	0.21
9	53	76	e40	e55	e75	216	304	722	1,180	92	1.5	0.58
10	52	66	e30	e64	e66	185	269	823	1,040	78	0.29	2.9
11	45	58	e40	e64	e73	300	249	1,040	1,020	72	0.00	2.6
12	42	60	e40	e66	e83	422	308	794	1,060	73	0.00	7.2
13	40	87	e40	e62	e82	476	507	655	1,130	69	0.26	5.1
14	41	73	e50	e75	e81	516	717	565	1,030	58	0.21	4.2
15	38	72	e50	e77	e84	563	866	775	957	37	0.00	4.5
16	42	63	e45	e68	e85	792	1,200	1,100	905	25	0.24	3.8
17	45	66	e45	e62	e111	933	1,200	1,590	828	27	1.4	2.8
18	38	76	e50	e77	e133	826	923	1,890	761	19	3.6	2.5
19	34	63	e45	e95	e180	602	879	2,210	688	18	4.8	2.4
20	36	73	e40	e106	e168	423	892	2,390	625	26	3.2	4.8
21	38	83	e40	e104	e174	289	714	2,130	553	10	2.4	3.6
22	39	97	e50	e95	e167	231	671	1,880	544	9.0	1.8	3.3
23	45	84	e40	e86	e173	320	759	1,890	541	9.7	1.4	2.9
24	50	89	e40	e79	e144	423	917	1,980	478	19	0.89	1.7
25	46	65	e50	e95	e93	427	999	2,330	472	16	1.9	1.5
26	45	51	e60	e113	e114	583	899	2,640	411	7.8	1.9	0.51
27	52	e56	e50	e124	e144	416	1,310	2,660	389	16	3.0	0.42
28	58	e50	e40	e131	e186	340	1,440	2,790	359	4.3	3.1	0.31
29	59	e60	e50	e131	---	328	1,300	3,100	309	3.3	1.4	0.43
30	53	e50	e50	e122	---	284	1,290	3,290	280	4.1	0.88	0.28
31	62	---	e50	e108	---	230	---	3,430	---	5.6	0.57	---
TOTAL	1,259.72	2,019	1,500	2,489	3,228	11,551	21,896	50,471	36,480	1,934.8	56.41	59.27
MEAN	40.6	67.3	48.4	80.3	115	373	730	1,628	1,216	62.4	1.82	1.98
MAX	62	97	65	131	186	933	1,440	3,430	3,820	246	8.2	7.2
MIN	0.22	47	30	40	66	157	249	565	280	3.3	0.00	0.00
AC-FT	2,500	4,000	2,980	4,940	6,400	22,910	43,430	100,100	72,360	3,840	112	118

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

	114	121	98.3	91.9	124	380	1,062	2,548	1,859	296	68.4	54.7
MEAN	114	121	98.3	91.9	124	380	1,062	2,548	1,859	296	68.4	54.7
MAX	385	363	244	227	595	1,260	3,259	5,967	4,601	1,395	534	314
(WY)	(1926)	(1928)	(1928)	(1999)	(1986)	(1962)	(1952)	(1984)	(1983)	(1995)	(1941)	(1965)
MIN	0.000	0.000	25.0	16.0	18.0	80.5	320	477	36.7	0.29	0.000	0.000
(WY)	(1935)	(1935)	(1931)	(1933)	(1933)	(1964)	(1961)	(1934)	(1934)	(1934)	(1924)	(1934)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1922 - 2003

ANNUAL TOTAL	56,345.75	132,944.20	
ANNUAL MEAN	154	364	569
HIGHEST ANNUAL MEAN			1,252 1984
LOWEST ANNUAL MEAN			110 1934
HIGHEST DAILY MEAN	1,000 Apr 18	3,820 Jun 1	13,400 May 18, 1984
LOWEST DAILY MEAN	0.00 Jul 7	0.00 Aug 11	a0.00 Jul 30, 1924
ANNUAL SEVEN-DAY MINIMUM	0.00 Jul 28	0.07 Sep 2	0.00 Jul 30, 1924
MAXIMUM PEAK FLOW		4,380 Jun 1	16,700 May 18, 1984
MAXIMUM PEAK STAGE		5.91 Jun 1	b9.85 May 18, 1984
ANNUAL RUNOFF (AC-FT)	111,800	263,700	412,400
10 PERCENT EXCEEDS	530	1,040	1,920
50 PERCENT EXCEEDS	63	73	128
90 PERCENT EXCEEDS	0.00	1.9	12

e Estimated.

a No flow at times some years.

b Maximum gage height, 11.10 ft, Feb 13, 1962, backwater from ice.

09260050 YAMPA RIVER AT DEERLODGE PARK, CO

LOCATION.--Lat 40°27'06", long 108°31'28", in SE¹/₄SW¹/₄ sec.21, T.6 N., R.99 W., Moffat County, Hydrologic Unit 14050002, in Dinosaur National Monument, on left bank at Deerlodge Park, 1,150 ft upstream from Disappointment Draw, and 5.5 mi downstream from Little Snake River.

DRAINAGE AREA.--7,660 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1975 and January 1978 (discharge measurements only) April 1982 to September 1994, and October 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=09260050

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,600 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1996, gage located 100 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs and diversions for irrigation of about 86,800 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	96	257	301	e245	e310	352	707	6,060	14,700	2,150	e230	178
2	136	272	e320	e240	e320	344	716	5,480	15,000	1,990	e246	169
3	170	297	e310	e250	e320	392	1,260	4,510	15,700	1,830	e205	168
4	195	277	e315	e230	e315	367	1,980	4,000	13,900	1,670	e190	e173
5	188	281	e310	e230	e305	366	1,930	4,200	11,000	1,530	e195	e161
6	215	313	e320	e240	e300	378	1,480	4,340	9,350	1,410	159	e134
7	331	294	e300	e250	e300	389	1,230	4,040	8,260	1,260	131	e110
8	295	284	e290	e250	e295	446	1,120	3,560	7,560	1,150	111	e90
9	290	315	288	e250	e280	544	1,000	3,480	6,830	1,060	113	91
10	242	314	236	e260	e260	674	909	3,620	6,660	991	88	119
11	230	318	e240	e255	e259	807	933	3,910	6,670	847	72	216
12	249	343	e240	e265	e267	1,250	1,470	3,560	7,250	768	69	276
13	237	362	e250	e260	e282	1,480	2,270	3,190	7,510	678	62	309
14	234	346	e240	e275	e272	1,600	2,840	3,240	6,780	642	69	396
15	237	339	e230	e275	e284	1,780	3,470	4,220	6,380	576	79	411
16	227	344	e220	e265	e314	1,960	4,230	5,940	6,320	540	77	408
17	204	363	e260	e265	e343	2,100	4,380	7,410	6,150	514	82	365
18	198	337	e250	e270	e378	1,960	3,600	8,680	5,670	471	79	293
19	196	315	e240	e285	e415	1,610	3,130	9,760	5,230	416	84	252
20	180	306	e210	e305	e398	1,260	3,060	9,730	4,930	393	79	236
21	185	349	e210	e310	e400	999	2,620	9,150	4,920	426	80	195
22	193	351	e210	e305	e380	876	2,410	8,800	4,480	454	113	204
23	221	365	e210	e295	e383	838	2,610	9,060	4,130	446	157	229
24	236	359	e180	e285	363	1,060	3,280	9,550	3,940	451	214	226
25	234	329	e200	e305	316	1,150	3,810	10,300	3,770	395	222	231
26	220	318	e230	e320	320	1,600	4,620	11,200	3,380	337	198	209
27	254	246	e220	e335	341	1,260	6,220	11,600	3,100	314	182	187
28	266	e220	e220	e340	388	1,110	6,570	11,500	2,670	281	190	200
29	273	249	e230	e340	---	1,030	6,020	12,400	2,500	241	165	179
30	252	267	e240	e335	---	906	5,860	13,300	2,310	218	179	172
31	245	---	e240	e330	---	779	---	14,200	---	226	182	---
TOTAL	6,929	9,330	7,760	8,665	9,108	31,667	85,735	223,990	207,050	24,675	4,302	6,587
MEAN	224	311	250	280	325	1,022	2,858	7,225	6,902	796	139	220
MAX	331	365	320	340	415	2,100	6,570	14,200	15,700	2,150	246	411
MIN	96	220	180	230	259	344	707	3,190	2,310	218	62	90
AC-FT	13,740	18,510	15,390	17,190	18,070	62,810	170,100	444,300	410,700	48,940	8,530	13,070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003, BY WATER YEAR (WY)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
MEAN	558	591	436	427	553	1,439	3,683	8,193	6,802	1,549	478	367										
MAX	1,412	1,127	832	742	1,811	3,200	8,211	18,330	16,120	5,890	1,537	1,594										
(WY)	(1998)	(1986)	(1985)	(1998)	(1986)	(1986)	(1985)	(1984)	(1984)	(1983)	(1984)	(1997)										
MIN	133	189	236	210	223	563	1,965	2,442	1,378	34.4	21.6	45.6										
(WY)	(1990)	(1990)	(1990)	(1989)	(1989)	(2002)	(1992)	(2002)	(2002)	(2002)	(2002)	(2002)										

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1983 - 2003

ANNUAL TOTAL	243,128.7	625,798		
ANNUAL MEAN	666	1,715	2,093	
HIGHEST ANNUAL MEAN			4,286	1984
LOWEST ANNUAL MEAN			678	2002
HIGHEST DAILY MEAN	3,470	Jun 2	15,700	Jun 3
LOWEST DAILY MEAN	1.9	Sep 4	62	Aug 13
ANNUAL SEVEN-DAY MINIMUM	4.1	Jul 11	73	Aug 11
MAXIMUM PEAK FLOW			16,200	Jun 3
MAXIMUM PEAK STAGE			11.86	Jun 3
ANNUAL RUNOFF (AC-FT)	482,200	1,241,000	1,516,000	
10 PERCENT EXCEEDS	2,280	5,970	6,470	
50 PERCENT EXCEEDS	300	320	650	
90 PERCENT EXCEEDS	13	180	210	

e Estimated.

09260050 YAMPA RIVER AT DEERLODGE PARK, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to September 1981 published as "09260025, below Little Snake River." April 1982 to September 1983, October 1993 to September 1994, October 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=09260050

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1977 to September 1982.

WATER TEMPERATURE: October 1979 to September 1982, April 2002 to current year.

INSTRUMENTATION.--Water-quality monitor, November 1977 to September 1982. Water-temperature sensor with satellite telemetry since April 2002.

REMARKS.--Daily record of water temperature is excellent. Interruptions in daily record are due to instrument malfunction or sensor being isolated.

Unpublished maximum and minimum specific conductance data for period of daily record available in district office. November 1977 to April 1980, all water-quality data collected approximately 3.5 mi upstream. All data subsequent to April 1980 were collected at present site.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,040 microsiemens/cm, Oct. 4, 1979; minimum, 64 microsiemens/cm, July 13, 1978.

WATER TEMPERATURE: Maximum, 31.5°C, July 19, 2003; minimum, 0.0°C on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 31.5°C, July 19; minimum, 0.0°C, on many days.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered 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, water fltrd end lab, mg/L as CaCO3 (29801)
OCT 23...	0945	209	10.1	8.5	586	6.0	180	44.2	17.3	2.54	2	56.9	E161
MAR 06...	0841	300	11.5	8.5	612	0.1	210	47.6	21.5	2.68	2	55.5	197
MAY 20...	1250	9,600	9.2	8.0	193	9.7	79	20.9	6.58	1.25	0.4	7.34	63
AUG 20...	1000	81	8.0	8.5	690	20.8	220	51.1	21.9	3.79	2	60.4	172

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, 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)
OCT 23...	23.8	0.3	6.3	109	--	--	--	0.34	<0.04	<0.06	<0.008	<0.02	0.083
MAR 06...	22.6	0.29	8.7	132	409	0.56	331	0.23	<0.04	E.06	<0.008	<0.02	0.039
MAY 20...	2.13	<0.2	9.5	25.4	113	0.15	2,920	1.5	<0.04	0.47	E.005	E.01	0.53
AUG 20...	36.2	0.3	4.8	123	404	0.55	88.4	0.34	<0.04	<0.06	<0.008	<0.02	0.018

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

Date	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)	Zinc, water, fltrd, ug/L (01090)
OCT 23...	27	34	<0.2	<1.2	1,110	<1	6.5	59.1	<0.02	<3	<0.3	<24
MAR 06...	E5	E8	<0.2	<1.2	550	<1	6.8	20.4	<0.02	<3	<0.3	<24
MAY 20...	46	42	<0.2	E1.0	8,240	<1	3.9	284	<0.02	<3	<0.3	<24
AUG 20...	34	61	<0.2	<1.2	100	<1	3.6	21.3	<0.02	<3	<0.3	<3

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

E -- Estimated laboratory analysis value.

09260050 YAMPA RIVER AT DEERLODGE PARK, CO—Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV 08...	0915	278	619	1.9	JUL 30...	1445	217	440	26.3
MAR 03...	1045	392	625	0.3	AUG 21...	1235	97	677	25.1
APR 29...	1122	6,130	350	11.3	SEP 08...	1240	80	639	20.0

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	14.4	11.0	12.6
2	---	---	---	---	---	---	---	---	---	15.6	9.9	12.6
3	---	---	---	---	---	---	---	---	---	14.5	10.8	12.6
4	---	---	---	---	---	---	---	---	---	16.1	11.1	13.6
5	---	---	---	---	---	---	13.2	9.9	11.5	16.4	12.2	14.3
6	---	---	---	---	---	---	12.0	8.6	10.2	16.9	12.0	14.4
7	---	---	---	---	---	---	14.2	8.8	10.9	16.4	12.5	14.4
8	---	---	---	---	---	---	14.0	8.6	11.0	15.7	10.0	12.8
9	---	---	---	---	---	---	14.2	8.7	11.3	14.4	10.2	12.3
10	---	---	---	---	---	---	12.5	10.5	11.4	13.6	10.5	11.8
11	---	---	---	---	---	---	13.9	9.5	11.4	13.9	9.9	11.5
12	---	---	---	---	---	---	12.4	9.2	10.9	15.0	8.9	11.8
13	---	---	---	---	---	---	14.6	9.1	11.7	17.2	10.5	13.7
14	---	---	---	---	---	---	14.7	10.3	12.2	17.7	12.6	14.8
15	---	---	---	---	---	---	11.4	9.5	10.6	18.4	13.1	15.5
16	---	---	---	---	---	---	12.4	9.0	10.4	16.4	13.6	14.8
17	---	---	---	---	---	---	10.9	8.5	9.7	18.0	12.0	14.9
18	---	---	---	---	---	---	10.6	7.6	8.9	19.0	13.5	16.1
19	---	---	---	---	---	---	11.6	7.1	9.1	19.4	13.8	16.6
20	---	---	---	---	---	---	9.6	7.5	8.6	19.8	15.3	17.2
21	---	---	---	---	---	---	10.4	6.0	8.2	16.1	11.8	14.5
22	---	---	---	---	---	---	12.1	6.6	9.4	12.6	9.8	11.1
23	---	---	---	---	---	---	13.4	8.2	10.7	12.6	9.6	11.2
24	---	---	---	---	---	---	14.1	8.2	11.0	14.4	9.9	11.9
25	---	---	---	---	---	---	14.6	10.2	12.1	16.4	10.1	13.2
26	---	---	---	---	---	---	14.5	10.9	12.5	17.8	12.2	15.0
27	---	---	---	---	---	---	13.8	10.5	11.8	18.8	13.5	16.2
28	---	---	---	---	---	---	14.1	9.2	11.4	20.3	14.4	17.4
29	---	---	---	---	---	---	14.5	9.7	12.1	21.8	15.6	18.5
30	---	---	---	---	---	---	15.7	10.5	12.9	22.3	16.6	19.3
31	---	---	---	---	---	---	---	---	---	22.5	17.2	19.9
MONTH	---	---	---	---	---	---	---	---	---	22.5	8.9	14.4

GREEN RIVER BASIN

09260050 YAMPA RIVER AT DEERLODGE PARK, CO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.6	17.8	19.1	---	---	---	26.0	18.7	21.4	19.9	15.4	17.6
2	19.1	16.2	17.5	---	---	---	---	---	---	21.0	15.9	18.3
3	17.5	15.3	16.2	---	---	---	---	---	---	19.8	16.1	17.7
4	18.5	14.2	16.3	---	---	---	---	---	---	20.3	14.2	16.4
5	19.6	14.5	17.1	---	---	---	---	---	---	22.1	12.3	16.7
6	20.4	15.6	17.9	---	---	---	---	---	---	18.9	13.4	16.2
7	21.2	16.2	18.6	---	---	---	---	---	---	21.3	14.0	16.9
8	20.5	16.3	18.1	---	---	---	22.9	18.4	20.6	22.0	14.8	17.5
9	19.9	15.0	17.1	---	---	---	---	---	---	24.7	14.5	18.8
10	19.5	13.4	16.2	---	---	---	---	---	---	24.3	15.3	18.9
11	20.0	13.8	16.9	---	---	---	---	---	---	19.5	17.2	18.2
12	21.8	14.8	18.1	---	---	---	---	---	---	21.2	15.8	17.9
13	23.1	15.9	19.2	---	---	---	---	---	---	23.3	14.8	18.6
14	---	---	---	---	---	---	24.1	16.9	20.0	25.1	13.9	18.5
15	---	---	---	---	---	---	22.7	17.3	19.9	24.5	12.3	17.8
16	---	---	---	---	---	---	21.9	17.7	19.7	24.0	12.6	17.2
17	---	---	---	15.6	14.7	15.2	20.5	17.4	19.0	19.8	12.0	14.9
18	---	---	---	16.2	15.0	15.5	21.0	17.4	19.0	15.9	12.6	13.7
19	---	---	---	---	---	---	21.0	17.5	19.1	18.6	9.8	13.7
20	---	---	---	---	---	---	20.5	18.2	19.4	20.9	9.2	14.5
21	22.7	17.6	20.1	---	---	---	20.3	18.2	19.3	22.4	10.0	14.7
22	24.1	17.0	20.3	---	---	---	20.5	17.4	19.0	20.6	8.8	14.4
23	25.4	16.5	20.8	---	---	---	20.1	17.1	18.7	20.2	10.3	14.9
24	28.3	17.0	22.4	---	---	---	20.0	17.2	18.7	19.5	10.8	15.1
25	29.0	18.5	23.3	---	---	---	19.1	16.4	18.0	17.7	12.2	14.5
26	---	---	---	---	---	---	19.9	15.7	17.6	20.9	11.3	15.3
27	---	---	---	28.8	17.2	21.7	20.9	17.0	18.8	18.6	9.8	14.1
28	---	---	---	30.6	16.6	22.8	20.6	17.5	19.0	18.0	11.5	14.3
29	---	---	---	27.9	17.7	22.6	19.8	17.2	18.1	16.4	11.6	13.7
30	---	---	---	28.0	19.0	23.3	18.7	15.5	17.2	16.9	9.7	12.7
31	---	---	---	26.2	20.2	23.0	18.4	16.2	17.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	25.1	8.8	16.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.6	9.8	13.6	2.3	0.0	0.8	0.5	0.0	0.2	0.1	0.1	0.1
2	14.9	10.3	12.4	4.9	0.2	2.0	1.2	0.0	0.3	0.2	0.1	0.1
3	12.8	9.8	11.6	5.1	0.0	1.7	1.1	0.0	0.3	0.1	0.1	0.1
4	14.7	9.5	11.3	4.8	0.0	1.3	1.1	0.0	0.2	0.1	0.1	0.1
5	15.4	9.6	12.0	5.2	0.0	1.7	1.9	0.0	0.5	0.1	0.1	0.1
6	17.0	8.8	12.6	6.0	0.0	2.1	2.3	0.0	0.6	0.1	0.0	0.1
7	16.1	10.1	13.0	5.4	0.0	2.4	0.8	0.0	0.2	0.1	0.0	0.0
8	16.8	10.7	13.5	6.4	1.5	3.8	1.0	0.0	0.1	0.1	0.0	0.1
9	15.6	10.0	12.7	4.9	1.9	3.8	0.6	0.0	0.1	0.1	0.1	0.1
10	14.7	9.4	12.1	5.5	0.8	2.6	0.2	0.0	0.0	0.1	0.1	0.1
11	12.2	9.6	10.9	6.0	0.8	2.7	0.1	0.0	0.0	0.1	0.1	0.1
12	12.6	6.9	9.6	4.3	0.0	1.7	0.1	0.0	0.0	0.1	0.1	0.1
13	11.9	5.9	8.9	3.2	0.9	1.9	0.3	0.0	0.1	0.2	0.1	0.1
14	11.8	5.8	8.8	5.6	0.3	2.6	0.2	0.0	0.1	0.2	0.2	0.2
15	12.0	6.1	9.0	4.6	0.8	2.4	0.2	0.0	0.1	0.2	0.2	0.2
16	12.0	6.3	9.2	3.5	0.0	1.4	0.1	0.0	0.0	0.2	0.2	0.2
17	12.2	6.4	9.3	1.4	0.0	0.4	0.1	0.0	0.0	0.2	0.2	0.2
18	12.1	6.7	9.4	3.0	0.0	0.8	0.5	0.0	0.1	0.2	0.2	0.2
19	11.7	6.3	9.0	4.0	0.0	1.2	0.1	0.0	0.1	0.2	0.2	0.2
20	11.5	5.5	8.5	4.9	0.0	1.8	0.0	0.0	0.0	0.2	0.2	0.2
21	11.1	5.9	8.5	5.4	0.0	2.2	0.1	0.0	0.0	0.2	0.2	0.2
22	9.6	5.6	7.7	5.5	0.0	2.4	0.0	0.0	0.0	0.2	0.2	0.2
23	9.4	5.8	7.5	6.3	0.9	3.3	0.0	0.0	0.0	0.2	0.2	0.2
24	10.3	5.7	7.6	5.2	0.8	3.0	0.0	0.0	0.0	0.2	0.2	0.2
25	11.4	4.8	7.7	2.3	0.0	0.6	0.0	0.0	0.0	0.2	0.2	0.2
26	8.9	4.7	6.9	0.6	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.2
27	11.3	5.2	7.9	0.3	0.1	0.2	0.0	0.0	0.0	0.2	0.2	0.2
28	10.3	5.2	7.3	0.6	0.1	0.3	0.1	0.0	0.0	0.2	0.1	0.2
29	7.1	2.5	5.3	0.7	0.2	0.4	0.1	0.0	0.1	0.2	0.1	0.2
30	5.9	1.1	3.0	0.7	0.1	0.3	0.1	0.0	0.0	0.2	0.1	0.1
31	3.5	0.6	1.9	---	---	---	0.1	0.0	0.1	0.2	0.1	0.2
MONTH	18.6	0.6	9.3	6.4	0.0	1.7	2.3	0.0	0.1	0.2	0.0	0.2

09303000 NORTH FORK WHITE RIVER AT BUFORD, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'15", long 107°36'50", in N/W¹/₄NW¹/₄ sec.9, T.1.S., R.91 W., Rio Blanco County, Hydrologic Unit 14050005, on right bank 600 ft east of Buford, and 1.2 mi upstream from South Fork White River.

DRAINAGE AREA.--259 mi².

PERIOD OF RECORD.--October 1976 to December 1978, October 1982 to September 1992. October 1994 to current year. Daily-discharge records available, May 1910 to December 1915, July 1919 to December 1920, October 1951 to September 2001. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09303000

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	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)
FEB 17...	0910	120	11.2	8.3	383	0.0	0.26	<0.015	0.060	E.002	0.013	0.042	<2.0
APR 16...	1530	307	10.5	8.5	298	6.9	0.29	<0.015	0.444	0.003	0.012	0.050	<2.0
JUN 11...	1510	822	9.3	8.1	178	7.6	0.39	<0.015	0.156	<0.002	E.004	0.024	<2.0
JUL 30...	1550	205	8.9	8.2	318	14.4	0.20	<0.015	0.033	E.002	0.009	0.024	<2.0
AUG 11...	1150	182	8.7	8.7	318	14.0	E.10	<0.015	<0.022	<0.002	<0.007	0.018	<2.0

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

Date	E coli, m-TEC MF, water, col/100 mL (31633)
FEB 17...	E5
APR 16...	E13
JUN 11...	51
JUL 30...	E6
AUG 11...	32

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

E -- Estimated laboratory analysis value.

09304000 SOUTH FORK WHITE RIVER AT BUFORD, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'28", long 107°37'30", in NW¹/₄NE¹/₄ sec.17, T.1 S., R.91 W., Rio Blanco County, Hydrologic Unit 14050005, on right bank 30 ft downstream from highway bridge, 0.8 mi upstream from mouth, and 1.0 mi south of Buford.

DRAINAGE AREA.--177 mi².

PERIOD OF RECORD.--October 1976 to December 1978, October 1984 to September 1992. October 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=09304000

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	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)
FEB 11...	1430	99	11.5	8.3	273	0.1	E.09	<0.015	<0.022	<0.002	0.013	0.013	<2.0
APR 16...	1230	149	10.5	8.5	252	6.0	0.15	<0.015	0.124	E.002	<0.007	0.019	<2.0
JUN 11...	1216	798	10.0	8.2	180	7.3	0.27	<0.015	0.076	<0.002	0.008	0.051	<2.0
JUL 30...	1400	140	8.1	8.3	290	14.9	0.14	<0.015	0.023	E.002	E.006	0.017	<2.0
AUG 14...	0946	143	8.2	8.2	276	14.5	0.14	<0.015	E.017	0.004	<0.007	0.017	<2.0

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

Date	E coli, m-TEC MF, water, col/100 mL (31633)
FEB 11...	E3
APR 16...	E13
JUN 11...	33
JUL 30...	E12
AUG 14...	26

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

09304115 WHITE RIVER BELOW NORTH ELK CREEK NEAR BUFORD, CO

LOCATION.--Lat 39°57'00", long 107°41'39", in SE¹/₄SE¹/₄ sec.22, T.1 S., R.92 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank at County Road 8 bridge, 0.7 mi downstream from North Elk Creek, and 4.8 mi southwest of Buford.

DRAINAGE AREA.--529 mi².

PERIOD OF RECORD.--January to September 2003. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304115

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,780 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period January to September, 4,180 ft³/s, June 2, gage height, 5.54 ft; minimum daily, 149 ft³/s, Feb. 7.

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	---	---	---	---	235	216	279	714	3,720	854	402	342
2	---	---	---	---	239	215	306	651	3,840	824	404	328
3	---	---	---	---	229	238	312	689	3,470	788	403	341
4	---	---	---	---	213	240	274	764	3,170	760	405	343
5	---	---	---	---	198	233	264	715	2,890	732	396	336
6	---	---	---	---	164	230	267	647	2,610	716	375	350
7	---	---	---	---	149	231	254	642	2,390	702	369	392
8	---	---	---	---	155	231	247	663	2,210	673	389	378
9	---	---	---	e225	212	231	273	669	2,160	650	378	343
10	---	---	---	e227	204	233	312	610	2,110	608	376	434
11	---	---	---	e221	224	239	375	578	2,000	567	375	422
12	---	---	---	e225	241	247	447	602	1,960	542	368	415
13	---	---	---	230	274	258	531	744	1,850	520	353	420
14	---	---	---	e223	284	271	644	910	1,730	499	390	407
15	---	---	---	e217	259	272	680	983	1,740	486	360	358
16	---	---	---	208	238	274	591	1,150	1,660	476	365	371
17	---	---	---	e186	245	274	549	1,690	1,520	472	366	359
18	---	---	---	e155	236	265	532	1,740	1,480	473	408	361
19	---	---	---	213	222	247	481	1,900	1,480	483	381	344
20	---	---	---	e200	216	242	451	1,940	1,720	470	342	348
21	---	---	---	237	240	246	470	2,030	1,490	466	343	341
22	---	---	---	245	235	244	517	2,140	1,360	461	339	337
23	---	---	---	e233	229	253	551	2,370	1,270	465	344	335
24	---	---	---	e230	230	280	538	2,300	1,190	465	406	330
25	---	---	---	e223	234	259	544	2,650	1,170	463	369	321
26	---	---	---	e217	234	261	625	2,670	1,080	449	341	317
27	---	---	---	e220	236	261	713	2,850	1,020	434	344	314
28	---	---	---	e219	230	232	768	3,050	964	417	373	316
29	---	---	---	233	---	229	796	3,070	924	427	346	315
30	---	---	---	230	---	248	805	3,270	892	419	341	303
31	---	---	---	236	---	252	---	3,350	---	402	356	---
TOTAL	---	---	---	---	6,305	7,652	14,396	48,751	57,070	17,163	11,507	10,621
MEAN	---	---	---	---	225	247	480	1,573	1,902	554	371	354
MAX	---	---	---	---	284	280	805	3,350	3,840	854	408	434
MIN	---	---	---	---	149	215	247	578	892	402	339	303
AC-FT	---	---	---	---	12,510	15,180	28,550	96,700	113,200	34,040	22,820	21,070

e Estimated.

395650107435600 WHITE RIVER ABOVE DRY CREEK NEAR MEEKER, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°56'50", long 107°43'56", in SW¹/₄SW¹/₄ sec.21, T.1 S., R.92 W., Rio Blanco County, Hydrologic Unit 14050005, on right bank 100 ft downstream from highway bridge, 1.5 mi upstream from Dry Creek, and 13.0 mi southeast of Meeker.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.-- December 1997 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=395650107435600

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	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)
FEB 11...	1730	228	11.2	8.5	380	0.0	0.10	<0.015	0.022	0.003	0.007	0.014	<2.0
APR 07...	1146	254	10.6	8.5	380	3.8	0.12	<0.015	E.020	<0.002	<0.007	0.018	<2.0
JUN 05...	1115	3,050	12.1	7.9	179	7.2	0.26	<0.015	0.206	0.006	E.006	0.119	<2.0
JUL 30...	1145	401	9.0	8.4	344	14.6	0.23	<0.015	E.021	<0.002	0.007	0.019	<2.0
AUG 11...	1340	369	8.1	8.5	344	18.1	0.13	<0.015	<0.022	<0.002	<0.007	0.015	<2.0

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

Date	E coli, m-TEC MF, water, col/100 mL (31633)
FEB 11...	E7
APR 07...	E19
JUN 05...	36
JUL 30...	29
AUG 11...	36

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

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO

LOCATION.--Lat 40°00'18", long 107°49'29", in NW¹/₄NW¹/₄ sec.3, T.1 S., R.93 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank 15 ft downstream from county road bridge, 2.3 mi upstream from Coal Creek, and 5.0 mi southeast of Meeker.

DRAINAGE AREA.--648 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1961 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304200

REVISED RECORDS.--WDR CO-79-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map. Oct. 1, 1961 to Sept. 30, 1976, at site 76 ft upstream at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of about 8,000 acres and about 4,000 acres 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	154	266	251	e245	e257	211	322	672	3,410	533	137	70
2	146	284	e254	e225	233	209	336	582	3,730	511	130	58
3	e187	247	e232	e260	228	232	334	560	3,410	528	127	61
4	e210	250	e231	e251	211	239	302	640	3,180	522	116	78
5	e203	255	e244	e243	221	236	304	583	2,890	497	96	78
6	e193	262	e236	e253	184	231	302	492	2,580	490	74	93
7	e196	275	e225	e251	186	233	282	470	2,260	470	72	118
8	230	293	e220	e247	173	232	270	462	2,000	432	76	131
9	235	307	e207	e245	e180	233	293	488	1,920	419	75	127
10	230	288	e200	e247	e191	246	322	439	1,900	391	66	226
11	216	284	e224	e241	e201	254	370	387	1,780	368	59	237
12	231	257	e245	e245	e206	261	421	365	1,710	364	56	225
13	212	266	e240	e232	e212	e265	474	449	1,590	355	51	241
14	218	285	e228	e234	e209	e261	584	658	1,460	341	55	242
15	217	273	e239	e237	e219	e268	631	893	1,440	305	38	209
16	211	244	e232	e219	224	e264	553	1,140	1,370	296	30	225
17	211	261	e248	e227	239	e273	514	1,530	1,220	294	34	212
18	218	278	e240	e210	227	267	493	1,810	1,170	296	49	214
19	234	248	e242	e224	215	253	456	1,740	1,150	308	61	209
20	212	263	226	e220	224	246	433	1,720	1,410	290	46	213
21	221	264	282	e258	260	247	435	1,870	1,200	264	35	206
22	225	257	278	e259	253	246	455	2,030	1,060	247	37	204
23	239	263	200	e253	229	256	471	2,330	982	236	39	204
24	278	268	218	e250	225	283	472	2,440	896	232	74	208
25	258	259	e251	e243	235	297	447	2,490	853	221	65	201
26	259	218	e225	e237	240	288	545	2,440	772	212	51	197
27	260	215	e229	e243	229	304	665	2,720	699	189	55	195
28	242	232	e281	e239	238	282	740	2,920	641	160	77	196
29	261	259	e270	e232	---	269	770	3,160	588	165	58	212
30	257	259	e238	e236	---	302	780	3,290	559	157	50	217
31	269	---	e226	e235	---	291	---	3,140	---	137	67	---
TOTAL	6,933	7,880	7,362	7,441	6,149	7,979	13,776	44,910	49,830	10,230	2,056	5,307
MEAN	224	263	237	240	220	257	459	1,449	1,661	330	66.3	177
MAX	278	307	282	260	260	304	780	3,290	3,730	533	137	242
MIN	146	215	200	210	173	209	270	365	559	137	30	58
AC-FT	13,750	15,630	14,600	14,760	12,200	15,830	27,320	89,080	98,840	20,290	4,080	10,530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

	351	339	305	292	287	307	514	1,501	1,699	565	284	253
MEAN	351	339	305	292	287	307	514	1,501	1,699	565	284	253
MAX	616	488	426	405	387	448	1,034	2,785	3,526	1,924	759	586
(WY)	(1998)	(1987)	(1998)	(1998)	(1986)	(1986)	(1985)	(1985)	(1984)	(1995)	(1984)	(1997)
MIN	141	229	184	181	208	225	319	397	86.7	22.5	21.5	41.3
(WY)	(1978)	(1978)	(1977)	(1977)	(1978)	(1977)	(1991)	(1977)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1962 - 2003

ANNUAL TOTAL	83,920.0	169,853	
ANNUAL MEAN	230	465	559
HIGHEST ANNUAL MEAN			966 1984
LOWEST ANNUAL MEAN			208 1977
HIGHEST DAILY MEAN	798 May 8	3,730 Jun 2	5,360 Jun 26, 1983
LOWEST DAILY MEAN	8.3 Jul 7	30 Aug 16	6.5 Jul 19, 1977
ANNUAL SEVEN-DAY MINIMUM	10 Sep 5	42 Aug 16	8.8 Jul 16, 1977
MAXIMUM PEAK FLOW		3,950 Jun 2	5,740 Jun 26, 1983
MAXIMUM PEAK STAGE		6.05 Jun 2	7.07 Jun 26, 1983
INSTANTANEOUS LOW FLOW		30 Aug 16	
ANNUAL RUNOFF (AC-FT)	166,500	336,900	404,700
10 PERCENT EXCEEDS	477	1,140	1,360
50 PERCENT EXCEEDS	255	247	328
90 PERCENT EXCEEDS	17	127	210

e Estimated.

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1973 to June 1975, July 1978 to September 1984, October 1986 to September 1992, October 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=09304200

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1973 to September 1975, July 1978 to September 1984.

WATER TEMPERATURE: March 1973 to September 1975, July 1978 to September 1984.

INSTRUMENTATION.--Water-quality monitor, July 1978 to September 1984.

REMARKS.--Unpublished daily maximum and minimum specific conductance data available in district office.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	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)
FEB 11...	1230	191	10.9	8.5	473	0.0	--	0.13	<0.015	0.029	E.002	<0.007	0.017
APR 07...	1600	282	10.1	8.6	434	6.6	1.28	0.19	0.019	<0.022	<0.002	<0.007	0.014
JUN 04...	1220	3,240	9.3	8.0	185	7.4	0.87	0.27	<0.015	0.212	E.002	0.010	0.058
JUL 26...	1330	219	7.8	8.2	413	19.5	3.28	0.20	<0.015	E.015	<0.002	0.014	0.035
AUG 12...	0850	55	8.1	8.2	477	14.0	4.77	0.15	<0.015	<0.022	<0.002	0.011	0.033

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

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, m-TEC MF, water, col/100 mL (31633)
FEB 11...	<2.0	E4
APR 07...	<2.0	28
JUN 04...	<2.0	77
JUL 26...	<2.0	E10
AUG 12...	<2.0	43

< -- 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)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 01...	0935	163	441	11.2	JUN 02...	1327	3,950	210	9.9
DEC 02...	1313	268	429	3.5	JUL 10...	1250	378	365	16.9
MAY 06...	1030	469	349	7.2	SEP 09...	0904	126	469	13.1
MAY 24...	1320	2,320	227	10.4					

09304500 WHITE RIVER NEAR MEEKER, CO

LOCATION.--Lat 40°02'01", long 107°51'42", in NE¹/₄NE¹/₄ sec.30, T.1 N., R.93 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank at downstream abutment of private bridge, 1.0 mi upstream from Curtis Creek and 2.5 mi east of Meeker.

DRAINAGE AREA.--755 mi².

PERIOD OF RECORD.--June 1901 to December 1906, October 1909 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Meeker" 1901-13. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304500

REVISED RECORDS.--WDR CO-79-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map. Prior to Oct. 31, 1906, and May 7 to Aug. 13, 1910, nonrecording gage, and Aug. 14, 1910 to Oct. 19, 1913, water-stage recorder, at site 2.5 mi downstream, at different datum. Oct. 20, 1913 to Sept. 30, 1971, water-stage recorder at present site, at datum 3.00 ft higher, prior to Oct. 1, 1933, and at datum 2.00 ft higher, thereafter.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 12,000 acres upstream from station, and about 3,000 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	239	289	250	e255	e215	230	296	723	3,500	600	223	177
2	244	283	257	e235	e220	229	322	613	3,820	578	220	162
3	311	268	242	e271	e215	251	335	574	3,330	583	225	166
4	300	243	242	e268	e210	262	311	671	2,940	556	218	181
5	290	267	254	e253	e210	248	298	627	2,610	525	203	173
6	275	254	246	e263	204	248	302	515	2,320	516	197	187
7	280	264	235	e261	212	248	294	485	2,050	507	200	236
8	277	277	228	e257	e223	247	280	485	1,840	474	207	237
9	274	291	214	e264	e240	254	298	524	1,800	451	205	228
10	269	282	208	e255	e254	260	320	490	1,800	440	207	339
11	260	282	234	e251	e270	268	361	436	1,700	423	210	353
12	264	253	255	e255	276	e290	404	398	1,630	419	211	328
13	255	258	250	e242	305	e275	451	459	1,530	415	205	341
14	261	277	238	e244	297	e271	562	709	1,400	403	208	343
15	261	270	249	e247	282	e278	645	1,040	1,390	370	189	312
16	255	243	242	e229	252	e280	569	1,350	1,340	360	176	317
17	255	258	258	e237	267	e274	512	1,870	1,190	351	177	301
18	257	268	250	227	255	e283	494	2,200	1,130	348	208	306
19	264	248	252	e234	240	287	472	2,090	1,140	364	192	299
20	250	259	223	e230	232	279	440	2,020	1,430	352	172	298
21	250	254	276	e225	263	281	436	2,170	1,240	324	152	291
22	256	253	274	e225	253	276	450	2,320	1,060	314	160	291
23	278	258	214	e220	243	278	469	2,610	978	297	172	291
24	303	261	240	e220	247	304	479	2,660	920	299	209	290
25	276	261	261	e220	254	292	461	2,630	883	283	196	288
26	272	223	235	e215	248	285	546	2,530	813	280	171	282
27	268	213	239	e210	246	292	695	2,790	735	261	171	281
28	261	237	291	e215	245	271	791	3,010	682	232	199	278
29	275	264	e280	e215	---	264	828	3,100	643	240	175	289
30	274	259	e248	e210	---	279	854	3,290	623	243	152	283
31	279	---	e236	e215	---	288	---	3,150	---	221	175	---
TOTAL	8,333	7,817	7,621	7,368	6,878	8,372	13,975	48,539	48,467	12,029	5,985	8,148
MEAN	269	261	246	238	246	270	466	1,566	1,616	388	193	272
MAX	311	291	291	271	305	304	854	3,290	3,820	600	225	353
MIN	239	213	208	210	204	229	280	398	623	221	152	162
AC-FT	16,530	15,510	15,120	14,610	13,640	16,610	27,720	96,280	96,130	23,860	11,870	16,160

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

MEAN	392	370	332	314	310	343	551	1,558	1,875	677	385	356
MAX	687	648	472	441	420	522	1,094	2,829	4,091	2,524	866	735
(WY)	(1998)	(1929)	(1998)	(1998)	(1930)	(1986)	(1962)	(1985)	(1921)	(1957)	(1984)	(1997)
MIN	215	255	233	225	232	261	313	499	230	116	132	152
(WY)	(1978)	(1978)	(1978)	(1981)	(1935)	(1935)	(1944)	(1977)	(2002)	(1977)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1910 - 2003

ANNUAL TOTAL	104,645	183,532		
ANNUAL MEAN	287	503		
HIGHEST ANNUAL MEAN			1,044	1984
LOWEST ANNUAL MEAN			274	1977
HIGHEST DAILY MEAN	940	May 8	3,820	Jun 2
LOWEST DAILY MEAN	91	Jul 15	152	Aug 21
ANNUAL SEVEN-DAY MINIMUM	99	Jul 13	169	Aug 30
MAXIMUM PEAK FLOW			4,110	Jun 2
MAXIMUM PEAK STAGE			5.44	Jun 2
ANNUAL RUNOFF (AC-FT)	207,600	364,000	450,800	
10 PERCENT EXCEEDS	526	1,130	1,470	
50 PERCENT EXCEEDS	268	274	370	
90 PERCENT EXCEEDS	120	210	268	

e Estimated.

a Maximum gage height, 7.60 ft, Jun 16, 1921, present datum.

09304800 WHITE RIVER BELOW MEEKER, CO

LOCATION.--Lat 40°00'48", long 108°05'33", in SW¹/₄NE¹/₄ sec.31, T.1 N., R.95 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank 30 ft downstream from county bridge, 4.5 mi downstream from Strawberry Creek, and 10 mi west of Meeker.

DRAINAGE AREA.--1,024 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1961 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304800

REVISED RECORDS.--WDR CO-79-3: Drainage area. WDR CO-86-2: 1985.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,928 ft above NGVD of 1929, from topographic map. Prior to July 22, 2002, at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 22,000 acres upstream and a few small hay meadows 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	299	326	323	306	e257	271	312	759	3,760	612	233	282
2	311	333	313	276	e279	293	347	680	4,240	593	245	255
3	405	313	298	319	e261	297	370	637	3,630	581	266	250
4	380	292	300	e302	e243	348	352	684	3,180	559	258	264
5	355	325	317	314	e239	314	332	693	2,790	530	242	257
6	327	310	300	289	218	324	333	593	2,430	511	196	280
7	333	322	281	254	178	350	323	524	2,140	514	178	358
8	328	347	275	267	173	372	303	512	1,950	445	179	362
9	315	377	e254	e280	247	364	312	524	1,890	389	195	346
10	319	369	e248	e267	253	369	342	532	1,930	389	190	514
11	309	355	e274	e270	260	390	396	462	1,870	375	199	579
12	309	322	e295	e275	274	418	456	427	1,760	380	215	480
13	309	320	302	291	323	405	517	422	1,660	370	240	480
14	310	362	e278	e264	e272	422	647	620	1,430	365	236	496
15	310	350	e289	e265	e274	420	726	866	1,390	326	225	445
16	310	309	274	e269	e277	407	745	1,090	1,340	327	222	434
17	311	311	312	e257	e283	387	739	1,570	1,230	330	247	404
18	309	357	e290	254	e271	383	656	1,960	1,190	344	296	411
19	313	323	e292	287	e284	336	535	1,980	1,190	366	287	400
20	308	334	231	e259	306	319	490	1,900	1,430	373	260	396
21	305	323	e285	e288	349	325	485	2,050	1,290	341	226	383
22	309	322	e236	e279	342	323	472	2,230	1,110	333	228	388
23	327	328	207	e276	325	315	499	2,600	1,000	304	274	397
24	370	329	186	e281	295	351	534	2,780	932	308	299	388
25	337	328	268	e280	286	347	528	2,840	887	291	302	375
26	325	292	256	e272	277	326	564	2,820	823	307	274	360
27	320	249	288	e267	277	333	700	2,830	757	312	260	355
28	315	254	e316	e273	271	303	783	2,900	697	274	291	346
29	330	312	e300	e279	---	281	828	3,300	641	266	282	360
30	334	351	e272	289	---	289	857	3,540	619	272	257	363
31	334	---	285	293	---	313	---	3,380	---	257	269	---
TOTAL	10,076	9,745	8,645	8,642	7,594	10,695	15,483	48,705	51,186	11,944	7,571	11,408
MEAN	325	325	279	279	271	345	516	1,571	1,706	385	244	380
MAX	405	377	323	319	349	422	857	3,540	4,240	612	302	579
MIN	299	249	186	254	173	271	303	422	619	257	178	250
AC-FT	19,990	19,330	17,150	17,140	15,060	21,210	30,710	96,610	101,500	23,690	15,020	22,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	453	412	365	337	340	391	595	1,572	1,844	735	416	392
MAX	793	638	536	493	457	586	1,141	2,979	3,904	2,155	837	821
(WY)	(1985)	(1985)	(1985)	(1986)	(1986)	(1986)	(1985)	(1985)	(1983)	(1995)	(1984)	(1997)
MIN	260	282	266	230	251	285	393	374	258	123	172	211
(WY)	(1978)	(1978)	(1964)	(1976)	(1977)	(1981)	(1977)	(1977)	(2002)	(2002)	(1990)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1962 - 2003

ANNUAL TOTAL	112,198	201,694	
ANNUAL MEAN	307	553	655
HIGHEST ANNUAL MEAN			1,069 1985
LOWEST ANNUAL MEAN			290 1977
HIGHEST DAILY MEAN	769	4,240	6,060 Jun 26, 1983
LOWEST DAILY MEAN	75	173	75 Jul 14, 2002
ANNUAL SEVEN-DAY MINIMUM	83	193	83 Jul 12, 2002
MAXIMUM PEAK FLOW		4,560	6,590 Jun 26, 1983
MAXIMUM PEAK STAGE		6.08	a4.97 Jun 26, 1983
ANNUAL RUNOFF (AC-FT)	222,500	400,100	474,500
10 PERCENT EXCEEDS	495	1,140	1,480
50 PERCENT EXCEEDS	309	325	410
90 PERCENT EXCEEDS	150	256	280

e Estimated.

a At datum then in use. Maximum gage height, 6.08 ft, Jun 2, 2003, at present datum.

09304800 WHITE RIVER BELOW MEEKER, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to September 1984, December 1985 to September 1992, October 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=09304800

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1978 to September 1983.

WATER TEMPERATURE: July 1978 to September 1983.

INSTRUMENTATION.--Water-quality monitor, July 1978 to September 1983.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Chloride, water, fltrd, mg/L (00940)	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)
FEB 17...	1541	310	11.6	8.4	568	0.7	--	--	--	7.42	0.75	0.08	0.09
MAY 05...	0920	718	10.3	8.5	417	7.0	--	--	--	4.78	0.38	<0.04	0.10
JUN 04...	1600	3,250	8.5	8.0	259	11.9	130	35.8	9.25	1.80	0.42	<0.04	0.18
JUL 26...	1200	296	7.9	8.3	612	21.0	--	--	--	7.45	0.38	<0.04	0.06
AUG 06...	0930	190	8.6	8.3	730	18.0	320	86.9	24.8	9.40	0.42	<0.04	<0.06

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

Date	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)	E coli, m-TEC MF, water, col/100 mL (31633)
FEB 17...	<0.008	0.04	0.102	<2.0	E10
MAY 05...	<0.008	<0.02	0.051	<2.0	25
JUN 04...	<0.008	E.01	0.133	<2.0	E56
JUL 26...	<0.008	0.04	0.070	<2.0	E16
AUG 06...	<0.008	0.03	0.071	<2.0	59

< -- 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)
JUN 04...	5	<0.2	E1.2	16	<1	13.1	<0.3	E3
AUG 06...	M	<0.2	E.9	65	M	25.3	<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.

09304800 WHITE RIVER BELOW MEEKER, CO—Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat un f uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat un f uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 16...	1120	309	619	7.0	APR 21...	1215	507	505	7.5
NOV 17...	1057	316	593	0.5	MAY 19...	1042	2,040	309	8.5
JAN 03...	1142	302	563	0.0	JUN 02...	0939	4,310	264	10.3
MAR 28...	1100	318	558	4.6					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
JUN 04...	1600	3,250	11.9	86	67	588
AUG 06...	0930	190	18.0	--	14	6.9

09306200 PICEANCE CREEK BELOW RYAN GULCH NEAR RIO BLANCO, CO

LOCATION.--Lat 39°55'16", long 108°17'49", in SE¹/₄NE¹/₄, sec.32, T.1 S., R.97 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank at downstream side of bridge, 40 ft downstream from Ryan Gulch, and 23 mi northwest of Rio Blanco.

DRAINAGE AREA.--506 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to September 1998, August 1999 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306200

REVISED RECORDS.--WDR CO-79-3: 1977 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,070 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges which are poor. Diversions for irrigation 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	e5.0	7.3	e5.1	e5.9	e7.4	e17	9.4	4.0	8.1	6.2	3.7	4.7
2	e4.9	6.5	e5.4	e5.8	e6.9	e15	8.8	4.3	6.9	5.9	3.3	4.6
3	6.2	6.4	e5.5	e5.3	e7.5	e16	8.9	4.1	5.6	5.8	3.8	4.7
4	5.4	6.4	e5.2	e5.1	e7.9	e15	8.7	4.2	4.4	5.5	3.4	4.1
5	5.0	6.3	e6.1	e5.5	e8.0	e16	9.4	4.9	5.2	5.4	4.1	4.0
6	5.0	6.3	e5.4	e5.8	e8.7	e15	10	3.6	5.0	5.6	3.8	5.0
7	4.9	6.3	e5.8	e5.6	e9.3	e18	11	3.5	4.9	5.9	3.8	5.9
8	4.8	6.3	e5.6	e5.7	e10	e19	9.1	3.8	4.5	5.4	4.1	5.0
9	4.7	7.0	e5.6	e5.5	e11	e11	7.1	3.4	4.3	5.2	4.1	4.8
10	5.7	6.4	e5.0	e5.3	e13	17	6.4	3.1	4.2	5.1	3.9	8.4
11	5.5	5.7	e5.3	e6.0	e13	24	4.4	2.7	4.5	4.7	4.0	9.1
12	e5.4	4.4	e5.0	e5.5	e14	26	2.9	2.9	4.5	4.5	4.2	6.7
13	e5.1	e4.9	e5.3	e5.6	e14	23	3.1	8.4	4.4	4.9	4.3	6.1
14	e5.5	e6.1	e5.0	e6.0	e14	21	3.9	10	4.4	5.4	4.1	5.4
15	e5.8	e5.6	e6.2	e5.9	e16	10	4.9	8.3	e4.1	e6.4	3.4	5.1
16	e5.4	e5.5	e5.1	e5.4	e18	8.2	3.7	8.5	e4.0	e6.5	3.4	3.1
17	5.1	e5.4	e5.1	e5.1	e15	8.3	3.4	9.1	e3.8	e6.8	10	2.5
18	5.2	e5.6	e6.1	e5.3	e14	9.1	3.6	9.5	e3.5	6.7	2.8	2.5
19	4.5	e5.5	e6.0	e5.5	e13	9.4	4.1	9.4	3.1	6.4	4.3	2.9
20	4.1	e5.5	e6.1	e5.2	e12	10	5.0	9.0	3.3	6.3	4.2	3.1
21	4.8	e5.6	e5.9	e4.6	e12	11	4.4	7.8	3.3	5.8	4.3	3.0
22	4.8	e5.6	e5.7	e6.1	e10	9.5	3.4	7.2	3.2	5.4	4.2	3.2
23	5.4	e5.5	e5.4	e5.7	e10	9.2	3.4	6.5	3.4	5.1	4.4	3.5
24	5.8	e5.4	e5.6	e6.0	e12	9.4	3.1	5.9	3.6	5.0	4.7	3.8
25	5.0	e5.5	e5.1	e5.6	e15	8.0	3.5	5.2	3.8	5.2	4.8	4.1
26	5.1	e5.7	e5.0	e4.9	e13	7.8	4.4	6.6	3.9	4.0	4.7	4.2
27	4.1	e6.2	e5.5	e5.4	e16	8.6	3.8	7.1	3.7	3.8	4.7	4.2
28	4.2	e5.3	e5.8	e5.5	e15	8.7	3.6	6.0	3.3	3.2	5.2	4.3
29	4.6	e5.0	e5.7	e5.5	---	8.6	3.6	6.3	4.1	2.8	5.0	4.9
30	6.1	e5.1	e5.6	e6.2	---	8.0	4.0	7.6	5.9	2.8	5.0	5.5
31	7.5	---	e5.5	e6.0	---	8.0	---	7.5	---	2.9	4.9	---
TOTAL	160.6	174.3	170.7	172.5	335.7	404.8	165.0	190.4	130.9	160.6	134.6	138.4
MEAN	5.18	5.81	5.51	5.56	12.0	13.1	5.50	6.14	4.36	5.18	4.34	4.61
MAX	7.5	7.3	6.2	6.2	18	26	11	10	8.1	6.8	10	9.1
MIN	4.1	4.4	5.0	4.6	6.9	7.8	2.9	2.7	3.1	2.8	2.8	2.5
AC-FT	319	346	339	342	666	803	327	378	260	319	267	275

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
MEAN	21.0	25.3	23.6	21.0	24.2	33.3	45.2	63.6	30.8	22.9	28.8	20.7
MAX	69.9	58.4	60.9	55.5	61.0	112	228	326	166	98.7	95.6	65.2
(WY)	(1986)	(1986)	(1984)	(1984)	(1986)	(1986)	(1986)	(1985)	(1983)	(1984)	(1984)	(1984)
MIN	2.75	5.81	5.51	5.56	12.0	11.5	2.94	3.65	3.51	3.95	2.69	3.94
(WY)	(1965)	(2003)	(2003)	(2003)	(2003)	(1972)	(1967)	(1967)	(1967)	(1967)	(1994)	(1981)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1965 - 2003

ANNUAL TOTAL	3,229.7	2,338.5	
ANNUAL MEAN	8.85	6.41	30.1
HIGHEST ANNUAL MEAN			96.5 1985
LOWEST ANNUAL MEAN			6.41 2003
HIGHEST DAILY MEAN	e22 Feb 23	26 Mar 12	534 May 5, 1985
LOWEST DAILY MEAN	2.3 May 15	2.5 Sep 17	0.15 Jun 7, 1981
ANNUAL SEVEN-DAY MINIMUM	2.9 May 9	2.9 Sep 16	0.96 Apr 27, 1966
MAXIMUM PEAK FLOW		43 Aug 17	550 May 5, 1985
MAXIMUM PEAK STAGE		4.05 Aug 17	a7.70 May 5, 1985
ANNUAL RUNOFF (AC-FT)	6,410	4,640	21,780
10 PERCENT EXCEEDS	17	10	59
50 PERCENT EXCEEDS	7.4	5.4	20
90 PERCENT EXCEEDS	5.0	3.6	6.0

e Estimated.

a Maximum gage height, 7.95 ft, May 5, 1998.

09306200 PICEANCE CREEK BELOW RYAN GULCH, NEAR RIO BLANCO, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1970 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306200

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1979 to September 1982, November 1985 to September 1998.

WATER TEMPERATURE: December 1979 to September 1982, November 1985 to September 1998.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1983.

INSTRUMENTATION.--Automatic pumping sediment sampler, October 1972 to September 1983. Water-quality monitor, December 1979 to September 1982 and November 1985 to July 1996; water-quality monitor with satellite telemetry, July 1, 1996 to September 30, 1998.

REMARKS.--Prior to October 1995, unpublished maximum and minimum specific conductance data for daily record are available in district office.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
NOV 13...	0947	4.4	12.1	8.3	1,910	3.5	620	84.9	96.9	2.53	4	232	445
MAR 24...	1148	9.6	9.9	8.3	1,670	8.1	590	89.0	88.3	2.61	3	181	468
JUN 18...	1248	3.5	8.4	8.4	1,630	19.2	560	75.0	90.0	2.68	4	193	466
AUG 05...	1115	4.5	8.3	8.5	1,530	19.7	490	59.5	82.4	2.60	4	190	422

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)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	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)
NOV 13...	21.8	0.8	15.0	496	1,220	1.82	16.0	1,340	<10	0.30	E.03	0.07	<0.008
MAR 24...	17.9	0.67	14.8	429	1,010	1.55	29.7	1,140	<10	0.33	E.04	0.16	<0.008
JUN 18...	18.8	0.8	13.7	419	1,100	1.53	10.6	1,130	<10	0.34	<0.04	<0.06	<0.008
AUG 05...	18.5	0.8	10.1	400	1,020	1.42	12.7	1,040	<10	0.37	<0.04	<0.06	<0.008

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

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
NOV 13...	0.03	E.03	5.1	<2	E.16	2	72	<0.06	229	E.03	<0.8	0.494	1.5
MAR 24...	0.03	0.04	3.9	E1	<0.30	2	72	<0.06	167	E.03	<0.8	0.573	1.5
JUN 18...	E.02	E.02	5.3	2	<0.30	3	58	<0.06	191	<0.04	<0.8	0.435	4.2
AUG 05...	E.01	<0.04	5.5	3	<0.30	3	42	<0.06	199	E.03	<0.8	0.357	2.9

09306200 PICEANCE CREEK BELOW RYAN GULCH, NEAR RIO BLANCO, CO—Continued

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

Date	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Lithium water, flt'd, ug/L (01130)	Mangan- ese, water, flt'd, ug/L (01056)	Mercury water, flt'd, ug/L (71890)	Molyb- denum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Selen- ium, water, flt'd, ug/L (01145)	Silver, water, flt'd, ug/L (01075)	Stront- ium, water, flt'd, ug/L (01080)	Vanad- ium, water, flt'd, ug/L (01085)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
NOV 13...	10	<0.08	10	111	E.01	9.0	4.21	<3	<0.2	3,760	E5	2	3.62
MAR 24...	13	E.04	9	106	<0.02	7.9	3.02	<3	<0.2	3,680	E6	1	3.34
JUN 18...	18	E.04	11	48.1	<0.02	7.2	1.77	<3	<0.2	3,170	7	2	3.55
AUG 05...	11	<0.08	12	12.1	<0.02	7.2	2.16	<3	<0.2	2,520	E5	2	3.23

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

E -- Estimated laboratory analysis value.

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Alpha radio- activity 2-sigma wat flt Th-230, pCi/L (75987)	Alpha radio- activity water, flt'd, Th-230, pCi/L (04126)	Beta radio- activity 2-sigma wat flt CS-137, pCi/L (75989)	Gross beta radioac water, flt'd, Cs-137, pCi/L (03515)	Date	Alpha radio- activity 2-sigma wat flt Th-230, pCi/L (75987)	Alpha radio- activity water, flt'd, Th-230, pCi/L (04126)	Beta radio- activity 2-sigma wat flt CS-137, pCi/L (75989)	Gross beta radioac water, flt'd, Cs-137, pCi/L (03515)
NOV 13...	1.1	4	6.3	3	JUN 18...	--	7.5	--	5.2
MAR 24...	1.0	3	4.9	5	AUG 05...	--	7	--	3

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 02...	1327	5.0	2,010	13.0	MAY 14...	1234	11	1,820	13.9
DEC 13...	1210	5.3	1,750	0.5	JUL 15...	1518	7.8	1,680	25.1
MAR 09...	1156	17	1,350	0.6	JUL 29...	1515	3.1	1,530	26.3

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)
NOV 13...	0947	4.4	3.5	60	0.72
MAR 24...	1148	9.6	8.1	36	0.93
JUN 18...	1248	3.5	19.2	33	0.31
AUG 05...	1115	4.5	19.7	9	0.11

0930622 PICEANCE CREEK AT WHITE RIVER, CO

LOCATION (revised).--Lat 40°04'41", long 108°14'09", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.1 N., R.97 W., Rio Blanco County, Hydrologic Unit 14050006, on right bank 150 ft downstream of box culvert on county highway, 1.0 mi southwest of White River City, 1.3 mi upstream from mouth, and 17 mi west of Meeker.

DRAINAGE AREA.--652 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to September 1966, October 1970 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=0930622

REVISED RECORDS.--WDR CO-82-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,730 ft above NGVD of 1929, from topographic map. Oct. 1, 1964 to Sept. 30, 1966, at site 65 ft upstream at different datum. Oct 1, 1970 to Nov. 14, 1972, at site 150 ft upstream at different datum. Nov. 15, 1972 to July 12, 1974, at site 50 ft upstream at different datum. July 13, 1974 to Nov. 17, 1994 at site 0.9 mi downstream at different datum. Nov. 18, 1994 to Oct. 8, 2002, at site 150 ft upstream at same datum

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 5,500 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	5.2	5.5	e5.2	e6.0	e7.5	17	7.4	e3.4	2.8	2.1	3.4	4.8
2	5.4	5.1	e5.5	e5.9	e7.1	16	7.5	e3.0	2.4	2.5	3.5	4.1
3	7.0	4.9	e5.8	e5.4	e8.0	17	7.2	e2.8	2.6	2.4	3.9	4.1
4	6.5	5.1	e5.5	e5.4	e8.8	17	7.3	e2.4	2.4	2.0	4.2	4.2
5	6.4	5.8	e5.3	e6.0	e8.4	17	6.7	3.1	2.5	1.9	4.7	5.0
6	5.7	6.0	e6.1	e6.2	e9.5	17	7.6	3.6	2.6	2.2	4.1	5.1
7	5.2	5.7	e5.5	e5.7	e11	19	8.0	3.4	2.6	2.3	4.2	4.0
8	4.9	5.7	e6.0	e6.0	e12	20	7.7	3.5	2.2	1.9	4.0	3.7
9	e4.9	6.0	e5.7	e5.6	e11	23	6.0	4.0	2.2	1.7	3.6	4.3
10	4.3	5.9	e5.1	e5.5	e14	25	5.2	4.5	2.4	1.9	3.2	5.6
11	4.4	5.9	e5.4	e6.1	e13	29	4.7	3.3	2.5	2.0	3.5	6.4
12	4.4	5.7	e5.1	e5.9	e15	36	3.7	2.9	2.5	2.2	3.4	5.5
13	4.5	5.5	e5.4	e5.7	e16	35	3.1	2.5	2.6	2.3	3.3	5.4
14	4.5	6.4	e5.1	e6.1	e15	31	2.4	2.3	2.5	2.4	3.4	5.1
15	4.4	5.7	e6.3	e6.0	e18	19	2.5	2.5	2.4	2.6	3.4	5.0
16	4.4	5.6	e5.2	e5.5	19	13	2.5	2.6	2.5	2.6	3.5	4.8
17	4.4	5.5	e6.2	e5.2	16	12	2.5	2.4	2.6	2.4	4.1	4.6
18	4.4	5.7	e6.2	e5.4	15	13	2.7	2.7	3.0	2.3	4.8	4.0
19	4.5	5.7	e6.2	e5.6	14	12	2.6	2.8	3.1	2.5	3.9	4.0
20	4.5	5.8	e6.1	e5.6	14	12	2.8	2.9	3.3	2.7	3.4	4.0
21	4.6	5.7	e5.7	e4.7	13	13	2.7	2.9	2.9	3.0	3.7	3.5
22	4.6	5.7	e6.2	e6.2	11	12	2.7	2.7	2.6	3.4	4.1	3.6
23	4.7	5.7	e5.4	e5.8	10	11	2.6	2.7	2.4	3.8	4.5	3.6
24	4.6	5.7	e5.6	e6.1	13	11	2.6	2.9	2.4	4.3	4.9	3.4
25	4.8	5.7	e5.2	e5.7	16	9.5	2.5	3.3	2.3	4.7	5.2	3.2
26	4.7	6.9	e5.2	e5.0	16	8.6	2.4	3.2	2.2	4.6	4.4	3.4
27	4.6	e5.4	e5.5	e5.5	16	9.3	e2.3	3.6	2.1	4.6	4.8	3.6
28	4.7	e5.1	e5.9	e5.6	17	9.3	e2.5	3.1	2.0	4.0	4.6	3.3
29	4.8	e5.3	e6.0	e6.3	---	9.3	e2.7	2.6	1.9	3.6	4.6	3.2
30	4.9	e5.5	e5.7	e6.1	---	7.9	e3.1	2.5	1.8	3.4	5.1	3.4
31	5.3	---	e5.7	e6.4	---	7.0	---	2.7	---	3.4	4.7	---
TOTAL	152.2	169.9	175.0	178.2	364.3	507.9	126.2	92.8	74.3	87.7	126.1	127.9
MEAN	4.91	5.66	5.65	5.75	13.0	16.4	4.21	2.99	2.48	2.83	4.07	4.26
MAX	7.0	6.9	6.3	6.4	19	36	8.0	4.5	3.3	4.7	5.2	6.4
MIN	4.3	4.9	5.1	4.7	7.1	7.0	2.3	2.3	1.8	1.7	3.2	3.2
AC-FT	302	337	347	353	723	1,010	250	184	147	174	250	254

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

	27.9	32.9	28.8	26.0	30.4	45.5	58.8	76.4	36.2	27.2	32.8	24.3
MEAN	27.9	32.9	28.8	26.0	30.4	45.5	58.8	76.4	36.2	27.2	32.8	24.3
MAX	86.1	76.9	72.0	64.9	86.6	123	284	369	247	125	109	75.4
(WY)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1998)	(1998)	(1983)	(1984)	(1984)	(1984)
MIN	1.60	5.66	5.65	5.75	13.0	16.4	3.54	2.27	1.40	1.56	1.67	2.03
(WY)	(1965)	(2003)	(2003)	(2003)	(2003)	(2003)	(1972)	(1972)	(1994)	(1972)	(1990)	(1966)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1965 - 2003

ANNUAL TOTAL	2,932.9		2,182.5			
ANNUAL MEAN	8.04		5.98		37.3	
HIGHEST ANNUAL MEAN					110 1985	
LOWEST ANNUAL MEAN					5.98 2003	
HIGHEST DAILY MEAN	22	Feb 23	36	Mar 12	539	May 7, 1998
LOWEST DAILY MEAN	2.6	May 19	1.7	Jul 9	a0.50	Jul 21, 1966
ANNUAL SEVEN-DAY MINIMUM	2.8	May 17	2.0	Jul 4	0.84	Jul 30, 1971
MAXIMUM PEAK FLOW			54	Mar 12	b628	Sep 7, 1978
MAXIMUM PEAK STAGE			c2.63	Mar 12	7.04	Sep 7, 1978
ANNUAL RUNOFF (AC-FT)	5,820		4,330		27,030	
10 PERCENT EXCEEDS	18		12		75	
50 PERCENT EXCEEDS	5.6		4.8		25	
90 PERCENT EXCEEDS	3.4		2.5		3.8	

e Estimated.

a Also occurred Jul 22, 1966.

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

c Maximum gage height, 4.33 ft, Feb 14, backwater from ice.

09306222 PICEANCE CREEK AT WHITE RIVER, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1970 to July 1986, March 1987, March 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=09306222

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to June 1974, May 1975 to September 1983.

WATER TEMPERATURE: January 1971 to September 1974, May 1975 to September 1983.

SUSPENDED-SEDIMENT DISCHARGE: March 1974 to September 1983.

INSTRUMENTATION.--Water-quality monitor, May 1975 to September 1983. Pumping sediment sampler, March 1974 to September 1983.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered 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...	1230	5.5	12.4	8.5	2,910	4.1	590	62.0	105	3.26	10	545	979
MAR 24...	0955	12	10.7	8.4	2,570	7.4	560	72.2	92.2	3.14	8	462	870
JUL 15...	1030	2.9	8.9	8.8	3,940	18.2	460	14.7	103	4.18	17	860	--
AUG 05...	1600	4.4	8.1	8.8	3,540	24.6	480	23.2	102	3.92	15	766	1,380

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

Date	Alkalinity, wat flt inc tit 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)	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)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
NOV 13...	--	--	--	64.9	1.4	9.6	547				1,960	<10	0.38
MAR 24...	--	--	--	55.0	1.33	16.2	441				1,680	<10	0.80
JUL 15...	1,600	1,680	132	137	2.5	3.2	527	2,610	3.62	20.9	2,670	<10	0.80
AUG 05...	1,340	1,370	132	116	2.1	3.2	544	2,370	3.32	29.3	2,440	<10	0.75

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

Date	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)	Organic nitrogen, water, fltrd, mg/L (00607)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
NOV 13...	<0.04	<0.06	<0.008	--	0.02	E.02	7.0	--	<3	<0.60	3	125	<0.12
MAR 24...	0.27	0.26	0.016	0.53	0.10	0.11	5.6	E18	2	E.17	3	129	<0.06
JUL 15...	<0.04	<0.06	<0.008	--	0.04	0.08	9.1	<3	4	<0.60	5	162	<0.12
AUG 05...	<0.04	<0.06	<0.008	--	0.02	0.04	8.7	31	4	<0.60	4	162	<0.12

09306222 PICEANCE CREEK AT WHITE RIVER, CO—Continued

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

Date	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)
NOV 13...	396	E.05	<0.8	0.430	1.8	<30	<0.16	38	12.8	E.01	9.8	3.66	<3
MAR 24...	323	0.04	<0.8	0.682	1.9	E16	0.10	37	75.6	<0.02	9.3	3.17	<3
JUL 15...	521	E.04	<0.8	0.390	1.7	E21	<0.16	100	6.5	<0.02	9.5	1.86	<3
AUG 05...	514	E.05	<0.8	0.400	3.8	16	<0.16	84	2.4	<0.02	10.0	1.84	<3

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

Date	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Uranium natural, water, fltrd, ug/L (22703)
NOV 13...	<0.4	3,140	<24	E2	3.86
MAR 24...	<0.2	3,180	<24	2	3.60
JUL 15...	<0.4	1,490	<18	E2	3.77
AUG 05...	<0.4	1,630	9	3	3.90

< -- 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)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
DEC 13...	1103	6.2	2,180	0.0	JUN 08...	1017	2.2	4,010	16.1
MAR 09...	0942	20	1,310	0.4	JUL 11...	1003	2.2	4,040	17.7
APR 27...	0917	2.3	3,800	9.3					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
NOV 13...	1230	5.5	4.1	--	6	0.09
MAR 24...	0955	12	7.4	99	160	5.2
JUL 15...	1030	2.9	18.2	--	6	0.05
AUG 05...	1600	4.4	24.6	--	4	0.05

09306242 CORRAL GULCH NEAR RANGELY, CO

LOCATION.--Lat 39°55'13", long 108°28'20", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.1 S., R.99 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank 5 ft downstream from Box Elder Gulch, 3.5 mi upstream from confluence with Stake Springs Draw, and 21 mi southeast of Rangely.

DRAINAGE AREA.--31.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1974 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306242

GAGE.--Water-stage recorder. Concrete V-notch control since July 20, 1974. Elevation of gage is 6,580 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions 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	0.37	e0.37	e0.33	0.34	0.62	0.41	0.14	0.11	0.31	0.75	0.64	0.57
2	e0.60	e0.37	e0.33	0.33	0.38	0.41	0.14	0.11	0.33	0.76	0.66	0.56
3	e0.40	e0.36	e0.33	0.34	0.35	0.41	0.14	0.11	0.34	0.77	0.65	0.58
4	e0.37	e0.36	e0.33	0.36	0.36	0.41	0.14	0.11	0.37	0.75	0.64	0.53
5	e0.37	e0.35	e0.33	0.37	0.36	0.41	0.14	0.12	0.38	0.75	0.61	0.49
6	e0.37	e0.35	e0.33	0.37	0.37	0.42	0.14	0.11	0.40	0.75	0.59	0.49
7	e0.37	e0.35	e0.33	0.37	0.37	1.6	0.14	0.11	0.43	0.74	0.57	0.49
8	e0.37	e0.37	e0.33	0.38	0.37	1.1	0.14	0.13	0.44	0.72	0.57	0.48
9	e0.37	e0.37	e0.35	0.38	0.37	1.8	0.14	0.13	0.45	0.72	0.58	0.44
10	e0.37	e0.37	e0.34	0.37	0.37	4.1	0.14	0.13	0.40	0.71	0.59	0.58
11	e0.37	e0.37	0.33	0.37	0.37	4.7	0.14	0.14	0.38	0.71	0.60	0.49
12	e0.37	e0.37	0.33	0.38	0.37	2.4	0.13	0.13	0.40	0.69	0.64	0.48
13	e0.37	e0.37	0.33	0.40	0.37	1.4	0.13	0.13	0.39	0.71	0.57	0.47
14	e0.37	e0.37	0.33	0.39	2.4	0.62	0.13	0.14	0.39	0.70	0.56	0.48
15	e0.37	e0.37	0.33	0.39	0.95	0.36	0.14	0.15	0.42	0.68	0.56	0.49
16	e0.37	e0.37	0.33	0.38	0.76	0.18	0.10	0.15	0.47	0.68	0.55	0.48
17	e0.37	e0.37	0.34	0.39	0.51	0.16	0.10	0.14	0.51	0.67	0.55	0.48
18	e0.37	e0.37	0.33	0.37	0.45	0.14	0.10	0.15	0.53	0.68	0.55	0.50
19	e0.37	e0.37	0.33	0.37	0.44	0.14	0.11	0.15	0.55	0.70	0.55	0.49
20	e0.37	e0.37	0.33	0.37	0.44	0.14	0.10	0.15	0.55	0.71	0.55	0.45
21	e0.37	e0.37	0.33	0.37	0.44	0.14	0.10	0.16	0.56	0.70	0.63	0.44
22	e0.37	e0.37	0.33	0.37	0.44	0.14	0.10	0.16	0.56	0.67	0.64	0.44
23	e0.37	e0.37	0.33	0.40	0.44	0.14	0.11	0.16	0.57	0.64	0.64	0.44
24	e0.37	e0.36	0.33	0.41	0.44	0.14	0.11	0.18	0.59	0.64	0.62	0.43
25	e0.37	e0.35	0.33	0.41	0.44	0.14	0.10	0.21	0.57	0.64	0.59	0.42
26	e0.37	e0.39	0.33	0.41	0.44	0.14	0.10	0.23	0.59	0.67	0.57	0.41
27	e0.37	e0.38	0.33	0.42	0.44	0.14	0.10	0.25	0.65	0.64	0.54	0.41
28	e0.37	e0.38	0.33	0.44	0.42	0.14	0.11	0.23	0.66	0.63	0.56	0.41
29	e0.37	e0.37	0.33	0.44	---	0.14	0.11	0.24	0.70	0.61	0.57	0.41
30	e0.37	e0.35	0.33	0.44	---	0.14	0.11	0.28	0.77	0.63	0.57	0.41
31	e0.37	---	0.33	0.41	---	0.14	---	0.30	---	0.64	0.55	---
TOTAL	11.73	11.01	10.27	11.94	14.48	22.85	3.63	5.00	14.66	21.46	18.26	14.24
MEAN	0.38	0.37	0.33	0.39	0.52	0.74	0.12	0.16	0.49	0.69	0.59	0.47
MAX	0.60	0.39	0.35	0.44	2.4	4.7	0.14	0.30	0.77	0.77	0.66	0.58
MIN	0.37	0.35	0.33	0.33	0.35	0.14	0.10	0.11	0.31	0.61	0.54	0.41
AC-FT	23	22	20	24	29	45	7.2	9.9	29	43	36	28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2003, BY WATER YEAR (WY)

MEAN	1.04	0.87	0.79	0.75	0.82	1.23	2.54	6.90	4.18	1.84	1.50	1.25
MAX	2.88	1.99	2.07	2.40	2.22	4.99	14.9	41.7	33.4	8.98	5.56	3.39
(WY)	(1979)	(1984)	(1979)	(1979)	(1979)	(1998)	(1998)	(1984)	(1983)	(1984)	(1984)	(1978)
MIN	0.30	0.25	0.27	0.30	0.30	0.31	0.12	0.15	0.094	0.17	0.26	0.32
(WY)	(1991)	(1993)	(1992)	(1977)	(1993)	(1977)	(2003)	(1992)	(1992)	(1992)	(2002)	(1991)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1974 - 2003

ANNUAL TOTAL	170.54	159.53	
ANNUAL MEAN	0.47	0.44	2.02
HIGHEST ANNUAL MEAN			7.75 1984
LOWEST ANNUAL MEAN			0.27 1992
HIGHEST DAILY MEAN	2.0 Sep 7	4.7 Mar 11	207 Jun 1, 1983
LOWEST DAILY MEAN	0.13 May 30	0.10 Apr 16	a0.06 Apr 10, 1974
ANNUAL SEVEN-DAY MINIMUM	0.17 May 27	0.10 Apr 16	0.07 Apr 10, 1974
MAXIMUM PEAK FLOW		19 Mar 11	b1,780 Aug 18, 1984
MAXIMUM PEAK STAGE		2.51 Mar 11	6.12 Aug 18, 1984
ANNUAL RUNOFF (AC-FT)	338	316	1,460
10 PERCENT EXCEEDS	0.78	0.66	3.9
50 PERCENT EXCEEDS	0.37	0.37	0.79
90 PERCENT EXCEEDS	0.22	0.14	0.31

e Estimated.

a Also occurred Apr 11-14, 1974.

b From rating curve extended above 70 ft³/s, on basis of slope-area measurements at gage heights, 3.89 ft, 4.08 ft, and 6.12 ft.

09306242 CORRAL GULCH NEAR RANGELY, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1974 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306242

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to September 1989.

WATER TEMPERATURE: January 1975 to September 1989.

SUSPENDED-SEDIMENT DISCHARGE: October 1974 to September 1985.

INSTRUMENTATION.--Water-quality monitor, October 1974 to August 1989. Pumping sediment sampler, October 1974 to September 1985.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd std units (00400)	Specific conductance, wat unfiltered 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, water fltrd end lab, mg/L as CaCO3 (29801)
DEC 10...	1245	0.34	10.1	7.8	1,520	7.8	610	110	80.8	1.28	2	126	E386
MAY 14...	1030	0.16	8.9	7.7	1,530	11.6	610	107	81.2	1.06	2	121	457
AUG 05...	1340	0.67	8.0	7.9	1,330	17.8	540	93.3	73.2	1.29	2	113	370

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 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, fltrd, mg/L (00666)
DEC 10...	12.5	0.38	22.0	400	--	--	--	--	--	--	--	--	--
MAY 14...	12.9	0.32	23.5	395	1,020	1.39	0.44	0.20	<0.04	<0.06	<0.008	0.04	E.03
AUG 05...	14.1	0.3	18.7	359	897	1.22	1.62	0.40	<0.04	0.10	<0.008	<0.02	<0.04

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

Date	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, ug/L (01020)	Strontium, water, fltrd, ug/L (01080)
DEC 10...	--	117	2,510
MAY 14...	4.8	121	2,570
AUG 05...	6.7	104	2,030

< -- 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)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 02...	1152	0.64	1,260	9.5	APR 15...	1440	0.11	1,530	10.8
FEB 06...	1406	0.37	1,520	7.5					

GREEN RIVER BASIN

09306242 CORRAL GULCH NEAR RANGELY, CO—Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
DEC 10...	1245	0.34	7.8	63	0.06
MAY 14...	1030	0.16	11.6	9	0.00
AUG 05...	1340	0.67	17.8	83	0.15

09306255 YELLOW CREEK NEAR WHITE RIVER, CO

LOCATION.--Lat 40°10'07", long 108°24'02", in NE¹/₄SW¹/₄ sec.4, T.2 N., R.98 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank 160 ft downstream from bridge on State Highway 64, 0.3 mi upstream from mouth, and 10.0 mi northwest of White River City.

DRAINAGE AREA.--262 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to September 1982, May 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=09306255

GAGE.--Water-stage recorder with satellite telemetry and v-notch concrete control. Elevation of gage is 5,535 ft above NVGD of 1929, from topographic map.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	3.3	e2.5	e3.9	3.5	2.2	e2.5	2.1	1.6	1.1	0.73	0.85
2	2.6	3.4	e4.0	3.2	3.1	2.1	e2.3	2.1	1.4	1.1	0.73	0.76
3	2.5	3.6	e3.3	3.3	3.1	2.3	e2.2	2.0	1.3	1.0	0.78	0.77
4	2.4	3.6	e2.2	3.7	2.8	2.4	e2.6	2.0	1.3	1.0	0.76	0.75
5	2.3	3.6	e2.8	2.8	2.7	2.4	2.2	2.3	1.4	0.89	0.72	0.72
6	2.6	3.6	e3.7	2.4	3.4	3.7	2.3	2.2	1.3	0.89	0.68	0.79
7	2.6	3.7	e2.5	2.4	2.7	5.6	2.2	2.3	1.4	0.95	0.66	0.83
8	2.7	3.8	e2.3	2.5	3.1	7.8	2.0	2.5	1.3	0.97	0.69	0.89
9	2.8	4.0	e2.0	2.6	2.9	5.2	2.8	2.5	1.3	1.0	0.70	1.00
10	2.7	3.8	e3.2	2.6	14	5.4	2.8	2.2	1.4	1.0	0.63	2.1
11	2.8	4.0	e3.3	2.5	7.8	4.7	2.5	2.2	1.5	1.0	0.61	2.5
12	2.6	3.9	2.6	2.6	4.4	2.8	2.5	2.1	1.3	0.94	0.66	1.4
13	2.8	3.9	e4.1	2.6	2.5	2.4	2.5	1.8	1.5	0.94	0.70	1.2
14	2.8	3.9	e3.6	2.6	3.1	2.4	2.7	1.8	1.3	0.98	0.68	1.2
15	2.7	3.9	e3.9	2.7	16	2.4	3.1	1.9	1.4	0.98	0.64	1.2
16	2.7	3.9	e2.3	2.4	7.0	2.5	3.0	2.0	1.3	0.94	0.74	1.2
17	2.8	3.9	2.7	2.7	4.8	2.6	2.9	1.8	1.4	0.90	0.89	1.1
18	2.8	4.0	2.6	2.3	2.6	2.9	2.9	1.7	1.5	3.7	0.91	1.2
19	2.9	3.9	4.0	1.8	2.5	2.6	3.0	1.7	1.5	1.0	0.73	1.3
20	2.9	4.2	e3.8	1.7	2.4	2.6	2.9	1.7	1.6	0.99	0.75	1.3
21	3.3	4.1	2.6	2.2	2.6	2.5	2.7	1.7	1.5	0.99	0.86	1.2
22	3.3	3.9	2.2	2.5	2.4	2.3	2.7	1.7	1.5	0.89	0.88	1.3
23	3.4	4.0	2.0	2.7	2.3	2.2	2.9	1.7	1.4	0.86	1.1	1.3
24	5.2	4.0	4.3	2.6	2.3	2.6	2.9	1.6	1.4	1.0	1.00	1.3
25	3.6	4.1	e2.8	2.7	2.4	2.2	2.7	1.5	1.5	0.98	0.95	1.3
26	3.3	4.3	2.1	2.6	2.4	2.3	2.4	1.5	1.5	1.1	0.93	1.3
27	3.4	4.2	e4.1	2.6	2.4	2.5	3.8	1.4	1.3	1.0	0.84	1.3
28	3.4	3.6	e2.5	2.7	2.2	2.3	2.8	1.3	1.3	0.84	0.87	1.3
29	3.5	3.7	e4.0	2.7	---	e2.4	2.1	1.3	1.3	0.86	0.85	1.3
30	3.7	3.8	e3.3	2.6	---	e2.6	2.2	1.3	1.1	0.76	0.84	1.3
31	3.1	---	e2.2	2.8	---	e2.3	---	1.4	---	0.81	0.84	---
TOTAL	92.4	115.6	93.5	82.0	113.4	93.2	79.1	57.3	41.8	32.36	24.35	35.96
MEAN	2.98	3.85	3.02	2.65	4.05	3.01	2.64	1.85	1.39	1.04	0.79	1.20
MAX	5.2	4.3	4.3	3.9	16	7.8	3.8	2.5	1.6	3.7	1.1	2.5
MIN	2.2	3.3	2.0	1.7	2.2	2.1	2.0	1.3	1.1	0.76	0.61	0.72
AC-FT	183	229	185	163	225	185	157	114	83	64	48	71

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

	2.75	3.08	2.72	2.62	4.36	4.70	3.33	4.33	3.54	3.13	2.51	3.29
MEAN	2.75	3.08	2.72	2.62	4.36	4.70	3.33	4.33	3.54	3.13	2.51	3.29
MAX	10.2	12.1	9.77	9.05	12.7	18.1	8.88	24.1	19.9	18.5	9.34	17.1
(WY)	(1999)	(1999)	(1999)	(1999)	(1980)	(1997)	(1999)	(1985)	(1985)	(1985)	(1998)	(1978)
MIN	0.50	0.78	0.15	0.008	0.22	1.64	1.37	1.03	0.68	0.34	0.30	0.80
(WY)	(1979)	(1978)	(1979)	(1979)	(1979)	(1982)	(1978)	(1978)	(1977)	(1976)	(1978)	(1976)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1973 - 2003

ANNUAL TOTAL	1,041.0		860.97			
ANNUAL MEAN	2.85		2.36		3.12	
HIGHEST ANNUAL MEAN					8.93 1999	
LOWEST ANNUAL MEAN					1.28 1977	
HIGHEST DAILY MEAN	8.1	Mar 13	16	Feb 15	500	Sep 7, 1978
LOWEST DAILY MEAN	1.4	Aug 11	0.61	Aug 11	a0.00	Sep 11, 1978
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 8	0.66	Aug 9	0.00	Dec 15, 1978
MAXIMUM PEAK FLOW			50	Feb 15	b6,800	Sep 7, 1978
MAXIMUM PEAK STAGE			6.49	Feb 15	12.97	Sep 7, 1978
ANNUAL RUNOFF (AC-FT)	2,060		1,710		2,260	
10 PERCENT EXCEEDS	4.0		3.9		5.7	
50 PERCENT EXCEEDS	2.6		2.3		2.3	
90 PERCENT EXCEEDS	1.7		0.88		0.96	

e Estimated.

a Also occurred Sep 12-16, 1978, and Dec 15, 1978 to Jan 14, 1979.

b On basis of contracted-opening, and flow-over-road measurement of peak flow.

09306255 YELLOW CREEK NEAR WHITE RIVER, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to September 1982, March 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=09306255

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to September 1982.

WATER TEMPERATURE: April 1975 to September 1982.

SUSPENDED-SEDIMENT DISCHARGE: April 1974 to September 1982.

INSTRUMENTATION.--Automatic pumping sediment sampler, April 1974 to September 1982. Water-quality monitor, April 1975 to September 1982.

REMARKS.--Unpublished maximum and minimum specific conductance data for the period of daily record are available in the district office.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)
DEC 17...	1230	2.6	11.7	8.4	3,430	0.4	840	54.5	170	3.20	9	591	--
MAR 21...	1550	2.5	10.9	8.5	3,640	8.7	920	65.8	183	3.60	9	616	--
JUN 03...	1330	1.5	9.2	8.8	3,780	16.4	810	31.4	176	3.69	12	761	1,300
AUG 18...	1030	0.93	8.8	8.7	3,850	18.6	700	33.3	148	4.96	15	885	1,460

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

Date	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Carbonate, wat fltr 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, fltrd, mg/L as N (00623)	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)
DEC 17...	--	--	77.5	1.28	14.3	929	--	--	--	--	--	--	--
MAR 21...	--	--	87.8	1.31	17.8	940	--	--	--	--	--	--	--
JUN 03...	1,420	84	106	1.7	9.8	908	2,780	3.79	11.4	0.74	<0.04	0.15	0.047
AUG 18...	1,640	72	139	2.1	4.4	644	2,740	3.73	6.88	0.94	<0.04	E.04	<0.008

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

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/100 mL (31633)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Boron, water, fltrd, ug/L (01020)	Cobalt water, fltrd, ug/L (01035)	Iron, water, fltrd, ug/L (01046)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
DEC 17...	--	--	--	E17	--	--	490	--	--	--	--	--	--
MAR 21...	--	--	--	--	--	--	538	--	--	--	--	--	--
JUN 03...	<0.02	E.02	10.3	E17	9	155	695	<3.4	E14	128	2.8	29.3	E1.5
AUG 18...	<0.02	E.03	14.4	73	9	216	644	E2.9	49	170	5.9	20.6	E1.4

09306255 YELLOW CREEK NEAR WHITE RIVER, CO—Continued

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

Date	Strontium, water, fltrd, ug/L (01080)	Zinc, water, fltrd, ug/L (01090)
DEC 17...	4,790	--
MAR 21...	5,000	--
JUN 03...	4,440	<9
AUG 18...	3,400	<9

< -- 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)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 11...	0953	3.2	3,750	9.5	APR 04...	1325	2.2	3,750	10.2
FEB 17...	1316	2.5	1,220	1.4	SEP 10...	0945	1.2	3,850	13.0

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)
DEC 17...	1230	2.6	0.4	37	0.26
MAR 21...	1550	2.5	8.7	233	1.6
JUN 03...	1330	1.5	16.4	2	0.01
AUG 18...	1030	0.93	18.6	107	0.27

09306290 WHITE RIVER BELOW BOISE CREEK NEAR RANGELY, CO

LOCATION.--Lat 40°10'47", long 108°33'53", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.3 N., R.100 W., Rio Blanco County, Hydrologic Unit 14050007, on left bank at bridge on County Road 73, 0.5 mi downstream from Boise Creek, and 16.4 mi east of Rangely.

DRAINAGE AREA.--2,530 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1982 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306290

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,395 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 31,500 acres.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	351	384	e313	e294	e275	323	656	3,220	660	205	241
2	319	334	378	e280	e257	e309	350	581	e4,220	657	184	238
3	408	338	390	e339	e279	e306	378	550	e3,620	629	196	223
4	421	296	322	e312	e261	e346	378	558	3,300	642	204	222
5	376	298	319	e329	e243	e324	361	651	2,960	599	193	234
6	338	305	282	e297	e241	e326	355	555	2,520	566	175	242
7	321	307	269	e264	e218	e337	358	496	2,320	569	157	277
8	328	322	256	e279	e206	e332	342	486	2,030	534	153	314
9	312	359	272	e300	e212	e339	324	486	1,890	437	155	310
10	310	369	214	e297	e254	e346	324	527	1,880	406	179	331
11	300	331	e284	e290	e257	e353	344	468	1,880	401	164	511
12	288	322	e305	e295	e264	e356	395	419	1,720	389	154	451
13	295	291	e304	e306	e280	e354	431	385	1,650	395	158	430
14	292	316	e288	e284	e260	e355	504	508	1,520	380	189	424
15	310	336	e300	e285	e285	e370	615	771	1,460	343	178	421
16	298	319	e279	e289	e274	e375	626	1,020	e1,400	315	169	396
17	296	287	e317	e277	e277	e369	533	1,360	e1,350	320	179	378
18	300	318	e300	e283	e293	e375	521	1,730	e1,290	319	218	330
19	303	309	e307	e321	e281	390	494	1,910	1,280	325	238	326
20	307	290	e254	e298	e294	360	477	1,790	1,440	338	224	336
21	297	323	e328	e291	e297	364	445	1,880	1,490	324	203	329
22	304	318	e325	e288	e340	375	457	e2,120	1,250	297	186	319
23	330	315	e310	e279	e337	359	451	e2,250	1,130	285	206	312
24	393	324	e213	e276	e319	380	501	e2,380	1,040	258	221	306
25	399	336	e250	e281	e300	404	486	e2,520	1,000	275	258	299
26	342	341	e251	e280	e270	358	461	e2,650	939	274	242	288
27	341	308	e286	e272	e275	364	502	e2,700	860	287	217	280
28	338	283	e300	e267	e234	360	663	2,760	786	268	211	278
29	333	350	e287	e273	---	327	726	2,980	733	240	237	279
30	349	363	e272	e289	---	325	740	3,160	692	228	229	292
31	344	---	e284	e288	---	323	---	3,260	---	232	216	---
TOTAL	10,215	9,659	9,130	9,022	7,602	10,836	13,865	44,567	52,870	12,192	6,098	9,617
MEAN	330	322	295	291	272	350	462	1,438	1,762	393	197	321
MAX	421	369	390	339	340	404	740	3,260	4,220	660	258	511
MIN	288	283	213	264	206	275	323	385	692	228	153	222
AC-FT	20,260	19,160	18,110	17,900	15,080	21,490	27,500	88,400	104,900	24,180	12,100	19,080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003, BY WATER YEAR (WY)

MEAN	530	504	438	403	400	515	757	1,766	1,964	848	483	446
MAX	858	710	663	572	531	752	1,512	3,434	4,572	2,175	1,117	944
(WY)	(1985)	(1986)	(1986)	(1986)	(1986)	(1986)	(1985)	(1984)	(1984)	(1995)	(1984)	(1997)
MIN	330	322	295	260	268	324	370	449	209	120	154	206
(WY)	(2003)	(2003)	(2003)	(1991)	(1991)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1983 - 2003
ANNUAL TOTAL	114,723	195,673	
ANNUAL MEAN	314	536	755
HIGHEST ANNUAL MEAN			1,345 1984
LOWEST ANNUAL MEAN			333 2002
HIGHEST DAILY MEAN	721 Apr 17	a4,220 Jun 2	6,170 May 26, 1984
LOWEST DAILY MEAN	53 Jul 17	153 Aug 8	53 Jul 17, 2002
ANNUAL SEVEN-DAY MINIMUM	72 Jul 14	160 Aug 7	72 Jul 14, 2002
MAXIMUM PEAK FLOW		unknown	6,440 Jun 7, 1984
MAXIMUM PEAK STAGE		unknown	8.45 Jun 7, 1984
ANNUAL RUNOFF (AC-FT)	227,600	388,100	547,300
10 PERCENT EXCEEDS	494	1,260	1,610
50 PERCENT EXCEEDS	325	323	495
90 PERCENT EXCEEDS	124	233	300

e Estimated.

a Estimated during period of indefinite stage-discharge relationship, Jun 2-3, 2003.

09306290 WHITE RIVER BELOW BOISE CREEK, NEAR RANGELY, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to September 1993, October 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=09306290

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	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)
MAR 21...	1400	360	10.1	8.5	905	8.1	0.59	<0.04	E.04	<0.008	<0.02	0.198	<2.0
MAY 12...	1030	405	9.5	8.6	622	11.0	0.38	<0.04	<0.06	<0.008	<0.02	0.048	<2.0
MAY 27...	1450	2,620	8.5	8.1	318	15.0	0.88	<0.04	0.29	E.004	E.01	0.26	<2.0
JUL 16...	1220	310	8.0	8.4	598	23.9	0.34	<0.04	<0.06	<0.008	<0.02	0.082	<2.0
AUG 06...	1140	188	8.1	8.3	765	22.8	0.42	<0.04	<0.06	<0.008	<0.02	0.028	<2.0

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

Date	E coli, m-TEC MF, water, col/100 mL (31633)
MAR 21...	26
MAY 12...	37
MAY 27...	120
JUL 16...	57
AUG 06...	44

< -- 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)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR 28...	1006	350	754	3.6	SEP 10...	1142	314	782	14.3

GREEN RIVER BASIN

09306290 WHITE RIVER BELOW BOISE CREEK, NEAR RANGELY, CO—Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter <.063mm percent (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT						
18...	1308	294	11.5	97	55	44
NOV						
07...	1130	261	5.5	--	28	20
MAR						
21...	1400	360	8.1	99	325	316
APR						
05...	1300	341	3.3	97	106	98
15...	1053	580	10.7	98	355	556
30...	1540	768	10.3	92	260	539
MAY						
12...	1030	405	11.0	94	32	35
19...	1403	2,190	9.2	76	1,310	7,750
27...	1450	2,620	15.0	86	302	2,140
JUN						
06...	1100	2,530	12.4	64	373	2,550
18...	0928	1,280	14.6	--	121	419
JUL						
16...	1220	310	23.9	--	23	19
25...	1150	283	23.2	--	32	24
AUG						
06...	1140	188	22.8	--	25	13

09306305 WHITE RIVER BELOW TAYLOR DRAW RESERVOIR, ABOVE RANGELY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°06'12", long 108°42'56" in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.2 N., R.101 W., Rio Blanco County, Hydrologic Unit 14050007, on left bank 0.2 mi downstream from Taylor Draw Dam, and 4.7 mi east of Rangely.

DRAINAGE AREA.--2,776 mi².

PERIOD OF RECORD.--October 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=09306305

REVISED RECORDS.--WDR CO-97-2: Drainage area.

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

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	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)
FEB 17...	1215	489	10.7	8.1	757	0.9	0.24	0.04	0.09	<0.008	<0.02	0.020	<2.0
MAY 12...	1420	406	8.8	8.5	532	11.1	0.28	<0.04	<0.06	<0.008	<0.02	0.032	<2.0
MAY 27...	0900	e2,620	8.8	8.0	336	11.7	0.56	0.05	0.31	E.007	<0.02	0.086	<2.0
JUL 16...	1515	301	7.2	8.4	552	21.8	0.27	<0.04	<0.06	<0.008	<0.02	0.028	<2.0
AUG 06...	1500	146	7.0	8.2	645	23.1	0.48	E.04	<0.06	E.005	<0.02	0.053	<2.0

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

Date	E coli, m-TEC MF, water, col/100 mL (31633)
FEB 17...	E2
MAY 12...	E6
MAY 27...	87
JUL 16...	20
AUG 06...	E14

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

E -- Estimated laboratory analysis value.

e--Estimated.