

DOLORES RIVER BASIN

09180000 DOLORES RIVER NEAR CISCO, UT

LOCATION.--Lat 38°47'50", long 109°11'40", in SW¼SE¼ sec. 18, T. 23 S., R. 25 E., Grand County, Hydrologic Unit 14030004, on left bank 0.2 mi downstream from Line Canyon, 9.1 mi upstream from mouth, 13.5 mi downstream from Colorado-Utah State line, and 13.9 mi southeast of Cisco.

DRAINAGE AREA.--4,580 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

REVISED RECORDS.--WDR UT-75-1: 1974.

GAGE.--Water-stage recorder. Elevation of gage is 4,165 ft above NGVD of 1929, from river-profile map. December 6, 1950 to April 18, 1967, at site 200 ft downstream at different datum; April 19, 1967 to September 3, 1975 at site 10 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by MacPhee Reservoir, capacity 381,000 acre-ft, since 1986. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,400 ft³/s, Apr 21, 1958, gage height, 9.84 ft at different datum; minimum daily discharge, 1.5 ft³/s, Jul 21, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 26	2000	*1,710	*9.05				

Minimum daily discharge, 70 ft³/s, Sep 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	110	112	129	e129	182	604	659	587	284	134	71
2	81	112	115	130	e129	169	688	665	566	254	131	71
3	82	115	118	e130	e129	153	687	672	580	239	116	70
4	116	115	113	131	e130	159	773	666	619	260	128	75
5	170	128	111	128	e131	172	832	735	672	228	130	122
6	199	135	116	125	e130	147	1,080	824	748	202	153	275
7	146	128	122	112	e130	126	1,080	883	795	173	126	295
8	114	125	130	103	e129	130	1,160	957	833	180	148	158
9	109	125	119	112	e129	141	1,090	1,010	832	185	117	124
10	102	125	122	e117	e129	138	1,260	1,040	768	168	108	113
11	95	124	115	129	e130	127	1,140	1,050	742	170	94	107
12	113	131	96	118	e128	129	954	1,060	618	162	88	105
13	125	126	90	119	e128	134	818	988	536	157	82	117
14	e119	126	90	126	e129	144	752	846	485	145	77	110
15	e134	128	102	e126	e130	149	738	732	532	139	76	99
16	136	129	96	e130	e131	159	703	657	600	140	77	92
17	131	128	102	e130	e132	197	705	650	533	148	76	86
18	128	122	92	e129	154	213	715	707	516	163	87	83
19	126	122	94	e129	158	226	737	703	434	184	98	96
20	122	116	107	e130	143	253	651	787	418	197	98	173
21	115	97	111	e129	156	347	563	860	434	208	99	548
22	114	88	119	e130	203	553	549	853	432	196	178	815
23	121	86	124	e129	196	754	548	802	372	162	137	554
24	123	86	113	e130	180	890	515	754	312	144	99	386
25	120	79	111	e130	169	1,120	520	707	295	194	93	248
26	119	103	122	e131	162	1,340	474	694	287	196	86	211
27	132	111	e116	e129	160	1,210	458	673	285	184	80	184
28	116	112	105	e132	185	1,020	479	689	286	189	77	173
29	112	106	121	e130	195	763	540	755	280	293	75	161
30	115	99	e124	e130	---	640	628	831	324	189	73	252
31	113	---	e125	e130	---	591	---	694	---	145	75	---
TOTAL	3,730	3,437	3,453	3,913	4,264	12,476	22,441	24,603	15,721	5,878	3,216	5,974
MEAN	120	115	111	126	147	402	748	794	524	190	104	199
MAX	199	135	130	132	203	1,340	1,260	1,060	833	293	178	815
MIN	81	79	90	103	128	126	458	650	280	139	73	70
AC-FT	7,400	6,820	6,850	7,760	8,460	24,750	44,510	48,800	31,180	11,660	6,380	11,850

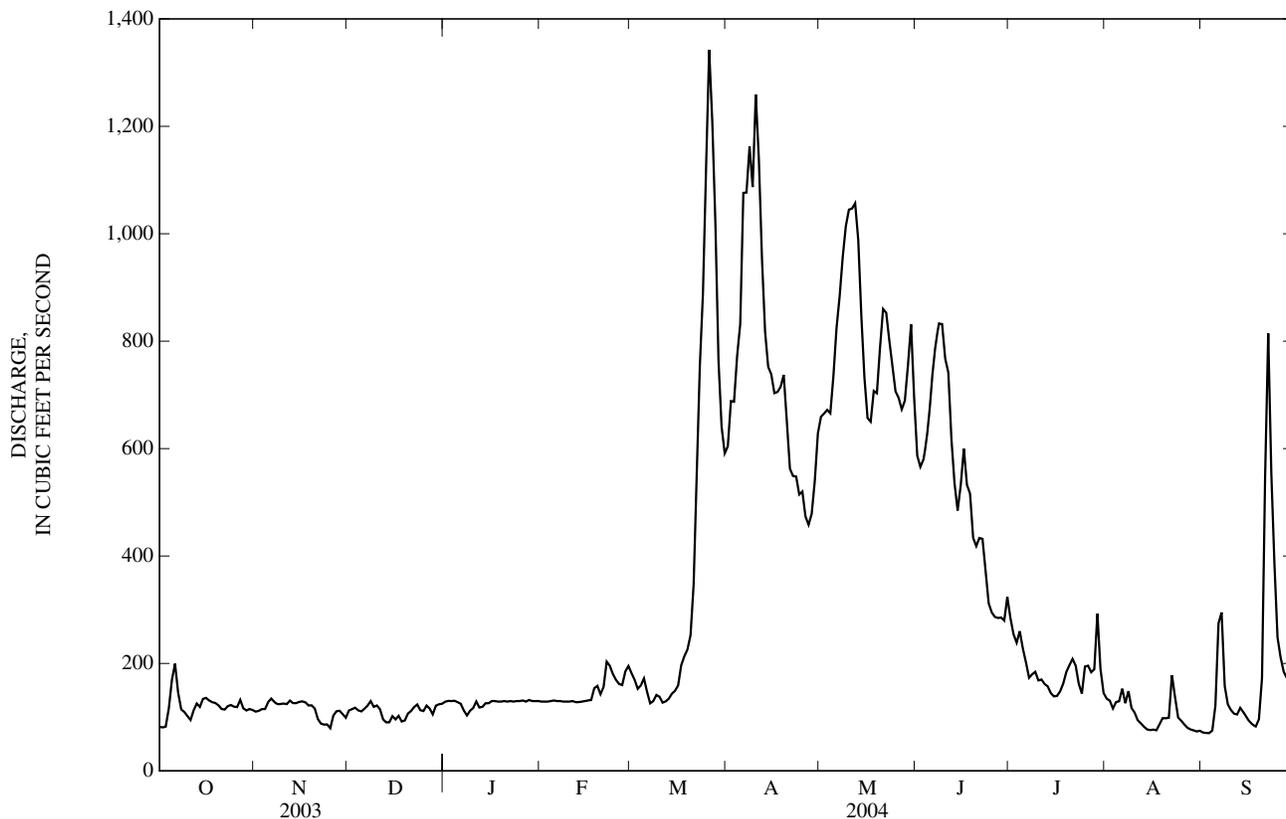
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	235	235	192	166	212	424	1,545	2,413	1,388	470	275	239
MAX	617	894	606	370	518	1,037	5,338	8,803	3,895	1,827	917	779
(WY)	(1987)	(1987)	(1987)	(1987)	(1987)	(1997)	(1993)	(1993)	(1995)	(1995)	(1999)	(1999)
MIN	112	115	93.5	92.3	112	132	177	113	76.5	5.41	9.57	80.6
(WY)	(2002)	(2004)	(2003)	(2003)	(2003)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(1989)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	89,939		109,106			
ANNUAL MEAN	246		298		651	
HIGHEST ANNUAL MEAN					1,768	1993
LOWEST ANNUAL MEAN					107	2002
HIGHEST DAILY MEAN	2,340	Sep 11	1,340	Mar 26	12,900	May 18, 1993
LOWEST DAILY MEAN	26	Aug 14	70	Sep 3	1.5	Jul 21, 2002
ANNUAL SEVEN-DAY MINIMUM	34	Aug 9	73	Aug 29	1.7	Jul 16, 2002
ANNUAL RUNOFF (AC-FT)	178,400		216,400		471,300	
10 PERCENT EXCEEDS	643		754		1,640	
50 PERCENT EXCEEDS	122		134		222	
90 PERCENT EXCEEDS	79		96		104	

e Estimated



WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1951 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.

WATER TEMPERATURE: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.

SUSPENDED-SEDIMENT DISCHARGE: March 1951 to December 1953, October 1957 to September 1964.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 21,600 microsiemens/cm, Jul 9, 1977; minimum observed, 240 microsiemens/cm, Jun 22, 1983.

WATER TEMPERATURE: Maximum observed, 32.0°C, Jul 9, 2002; minimum observed, -0.1°C, Dec 31, 2002, Jan 1, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,630 microsiemens/cm, Mar 12; minimum observed, 365 microsiemens/cm, Jun 9.

WATER TEMPERATURE: Maximum observed, 28.5°C, Jul 19; minimum observed, 0.0°C, Dec 20, 21.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR 23...	0830	8.04	727	8.0	790	19.0	13.0	490
APR 27...	0830	7.68	478	8.3	800	14.0	12.5	474
JUN 08...	0900	8.22	900	7.8	410	28.0	22.0	246
JUL 16...	0900	7.06	137	8.0	900	27.5	25.0	534
AUG 31...	0900	6.83	68	8.4	1,260	20.5	19.5	780

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1,160	1,290	---	---	---	580	710	540	---	---	---
2	---	---	1,330	---	---	---	---	660	530	---	---	---
3	1,570	1,030	---	---	---	---	---	630	560	750	1,610	---
4	---	---	---	---	---	---	---	600	540	760	1,670	---
5	870	1,170	---	---	---	1,750	---	620	500	770	1,090	---
6	1,370	1,160	---	---	---	---	---	570	460	740	---	---
7	---	---	---	---	---	---	---	510	---	760	1,000	---
8	1,090	---	---	---	---	2,040	---	480	400	840	960	---
9	---	---	---	---	---	---	---	430	365	880	1,050	---
10	1,440	1,110	920	---	---	---	---	420	385	---	1,080	---
11	1,470	---	---	---	---	---	---	400	---	880	1,070	---
12	880	1,200	---	---	---	2,630	450	400	395	860	1,050	---
13	1,140	---	---	---	---	---	---	480	460	---	---	---
14	1,640	---	---	---	---	---	510	440	510	860	1,290	---
15	1,420	1,100	1,320	---	---	---	---	540	540	900	1,150	---
16	---	1,370	---	---	---	---	---	---	---	---	1,180	---
17	1,290	1,120	---	---	---	2,020	---	570	465	930	1,200	---
18	---	1,230	1,700	---	2,240	---	---	560	465	900	---	---
19	---	---	---	---	---	---	---	540	490	920	---	---
20	---	---	1,730	---	---	---	---	540	510	900	---	---
21	---	---	1,790	---	2,550	---	---	480	570	1,070	---	---
22	---	---	1,700	---	1,900	---	---	440	550	---	---	---
23	---	---	1,360	---	1,700	600	---	440	---	780	---	---
24	---	---	---	---	---	740	---	450	540	890	---	---
25	---	---	---	---	---	---	---	470	610	880	---	---
26	---	---	---	---	---	---	---	490	640	---	---	---
27	---	---	---	---	---	410	---	500	650	960	---	---
28	---	---	---	---	---	410	---	480	650	810	---	---
29	1,110	---	---	---	---	---	---	480	670	---	---	---
30	---	---	---	---	---	---	---	470	740	---	---	---
31	1,100	---	---	---	---	---	---	430	---	---	---	---
MEAN	1,260	1,160	1,460	---	2,100	1,320	513	508	528	859	1,180	---

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.0	3.0	---	---	---	12.0	16.5	22.0	---	---	---
2	---	---	4.0	---	---	---	---	18.0	17.5	---	---	---
3	20.0	10.0	---	---	---	---	---	18.0	18.0	20.0	21.5	---
4	---	---	---	---	---	---	---	14.5	18.5	20.0	22.0	---
5	20.0	8.0	---	---	---	9.0	---	16.5	19.5	20.0	23.0	---
6	19.0	8.0	---	---	---	---	---	16.5	19.0	21.0	---	---
7	---	---	---	---	---	---	---	16.5	---	22.0	22.5	---
8	20.0	---	---	---	---	11.0	---	16.0	18.5	23.5	25.5	---
9	---	---	---	---	---	---	---	15.5	17.0	22.0	26.0	---
10	20.0	10.0	4.0	---	---	---	---	15.0	16.0	---	22.5	---
11	16.0	---	---	---	---	---	---	14.0	---	22.0	27.0	---
12	14.0	10.0	---	---	---	14.0	12.0	15.0	17.0	22.0	28.0	---
13	13.0	---	---	---	---	---	---	17.0	17.5	---	---	---
14	13.0	---	---	---	---	---	14.0	15.0	19.0	24.0	20.5	---
15	14.0	10.0	3.0	---	---	---	---	18.0	20.0	22.5	25.5	---
16	---	8.0	---	---	---	---	---	---	---	---	22.0	---
17	15.0	7.0	---	---	---	14.0	---	17.5	17.5	24.0	22.5	---
18	---	6.0	2.0	---	4.0	---	---	18.5	18.0	25.0	---	---
19	---	---	---	---	---	---	---	17.0	19.5	28.5	---	---
20	---	---	0.0	---	---	---	---	17.5	19.0	24.0	---	---
21	---	---	0.0	---	5.0	---	---	16.5	19.5	24.5	---	---
22	---	---	1.0	---	5.0	---	---	15.5	18.5	---	---	---
23	---	---	2.0	---	6.0	14.0	---	15.0	---	23.0	---	---
24	---	---	---	---	---	14.0	---	15.0	20.0	23.0	---	---
25	---	---	---	---	---	---	---	15.0	20.0	21.5	---	---
26	---	---	---	---	---	---	---	15.0	21.0	---	---	---
27	---	---	---	---	---	11.0	---	17.0	20.0	22.0	---	---
28	---	---	---	---	---	11.0	---	20.5	20.0	21.0	---	---
29	12.0	---	---	---	---	---	---	17.5	20.0	---	---	---
30	---	---	---	---	---	---	---	14.5	19.5	---	---	---
31	10.0	---	---	---	---	---	---	14.0	---	---	---	---
MEAN	15.8	8.8	2.1	---	5.0	12.2	12.7	16.3	18.9	22.6	23.7	---

COLORADO RIVER MAIN STEM

09180500 COLORADO RIVER NEAR CISCO, UT

LOCATION.--Lat 38°48'38", long 109°17'34", in NW¹/₄NW¹/₄ sec. 17, T. 23 S., R. 24 E., Grand County, Hydrologic Unit 14030005, on left bank 1 mi downstream from Dolores River, 11 mi south of Cisco, 36 mi downstream from Colorado-Utah State line, 97 mi upstream from Green River, and 235 mi upstream from San Juan River, at mile 1,022.3 from Arizona-Sonora.

DRAINAGE AREA.--24,100 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1895 to current year (1895 to 1910, calendar-year estimates only). Monthly discharge only for some periods, published in WSP 1313. Published as Grand River near Moab, October 1913 to November 1914, and as Grand River near Cisco, November 1914 to September 1917.

REVISED RECORDS.--WSP 918: 1913, 1937. WSP 1313: 1918-22.

GAGE.--Water-stage recorder. Elevation of gage is 4,090 ft above NGVD of 1929, from river-profile map. Prior to November 10, 1914, several staff and chain gages at bridge near Moab, 31 mi downstream at datum, 3,937.73 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions above station for irrigation and power, including several transmountain diversions. Flow regulated by Blue Mesa Reservoir since November 27, 1965.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,800 ft³/s, Jun 19, 1917, gage height, 19.7 ft; minimum recorded, 558 ft³/s, Jul 21, 1934, gage height, 0.44 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on Jul 4, 1884 reached a discharge of about 125,000 ft³/s, from flood record at Fruita, Colorado.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 26,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 12	1615	*10,600	*5.38				

Minimum discharge, 1,510 ft³/s, Jan 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,780	3,270	2,520	2,330	e2,280	2,380	3,840	4,530	6,630	3,710	e2,500	2,250
2	2,710	3,230	2,690	2,460	e2,280	2,240	3,780	4,600	5,650	4,280	e2,420	2,180
3	2,820	3,130	2,780	2,570	e2,280	2,110	3,950	4,320	5,090	4,050	e2,400	2,180
4	3,560	2,980	2,700	2,530	e2,290	2,100	4,450	4,230	5,030	3,810	e2,400	2,310
5	3,330	3,080	2,590	2,400	e2,340	2,170	4,970	4,720	5,720	3,570	e2,400	3,340
6	3,430	2,990	2,480	2,130	e2,340	2,190	6,050	5,770	6,700	3,350	e2,800	3,880
7	3,370	3,010	2,440	1,730	e2,340	2,110	6,100	7,170	7,890	3,080	2,710	3,810
8	3,300	3,190	2,590	1,820	e2,340	2,020	5,970	8,510	8,910	2,870	2,690	3,580
9	3,230	2,930	2,610	e1,810	e2,350	2,060	6,080	9,410	9,250	2,880	2,590	3,380
10	3,130	2,940	2,550	e1,800	e2,350	2,090	6,440	9,850	8,900	2,840	2,450	3,250
11	3,070	3,140	2,430	e1,790	e2,400	2,190	6,880	10,100	8,250	2,790	2,280	3,200
12	3,090	3,060	2,260	e1,880	e2,380	2,260	6,240	10,400	7,250	2,730	2,130	3,170
13	3,200	2,950	2,230	e1,900	2,380	2,280	5,390	9,970	6,100	2,660	2,070	3,100
14	3,380	2,910	2,240	e1,910	2,370	2,320	4,760	8,660	5,360	2,530	2,070	3,010
15	3,260	2,970	2,290	e1,930	2,230	2,340	4,350	7,150	5,110	2,360	2,130	2,880
16	3,370	2,970	2,430	e2,000	2,360	2,390	4,120	6,130	5,600	e2,400	2,150	2,740
17	3,420	2,880	2,330	e2,100	2,380	2,440	3,900	5,630	5,780	e2,600	2,180	2,740
18	3,330	2,790	1,960	e2,150	2,350	2,430	3,830	5,660	5,670	e2,700	2,240	2,720
19	3,280	2,770	1,940	e2,200	2,270	2,360	4,090	6,000	5,400	e2,800	2,480	2,970
20	3,220	2,700	2,180	e2,250	2,280	2,430	4,070	6,980	5,210	e2,900	2,680	4,000
21	3,190	2,670	2,320	e2,210	2,330	2,680	3,600	8,790	5,150	e2,900	2,800	4,310
22	3,200	2,690	2,360	e2,250	2,360	3,090	3,300	9,440	4,990	e2,800	3,120	5,780
23	3,170	2,730	2,400	e2,200	2,360	3,780	3,660	9,040	4,880	e2,700	3,190	5,790
24	3,190	2,670	2,460	e2,210	2,350	4,100	3,920	8,080	4,380	e2,600	3,060	5,050
25	3,190	2,500	2,330	e2,220	2,270	4,720	3,630	7,350	3,780	e2,700	2,850	4,270
26	3,200	2,340	2,180	e2,250	2,280	5,160	3,410	6,910	3,630	e2,800	2,620	4,100
27	3,170	2,580	2,170	e2,280	2,290	5,710	3,210	6,600	3,760	e2,790	2,450	3,830
28	3,240	2,750	2,250	2,280	2,320	5,530	3,030	6,540	3,870	e2,700	2,300	3,630
29	3,200	2,630	2,050	e2,280	2,540	5,000	3,190	6,780	3,810	e2,800	2,350	3,520
30	3,190	2,460	1,930	e2,300	---	4,470	3,990	7,700	3,740	e2,700	2,430	4,070
31	3,180	---	2,150	e2,300	---	4,020	---	7,900	---	e2,600	2,400	---
TOTAL	99,400	85,910	72,840	66,470	67,690	93,170	134,200	224,920	171,490	91,000	77,340	105,040
MEAN	3,206	2,864	2,350	2,144	2,334	3,005	4,473	7,255	5,716	2,935	2,495	3,501
MAX	3,560	3,270	2,780	2,570	2,540	5,710	6,880	10,400	9,250	4,280	3,190	5,790
MIN	2,710	2,340	1,930	1,730	2,230	2,020	3,030	4,230	3,630	2,360	2,070	2,180
AC-FT	197,200	170,400	144,500	131,800	134,300	184,800	266,200	446,100	340,200	180,500	153,400	208,300

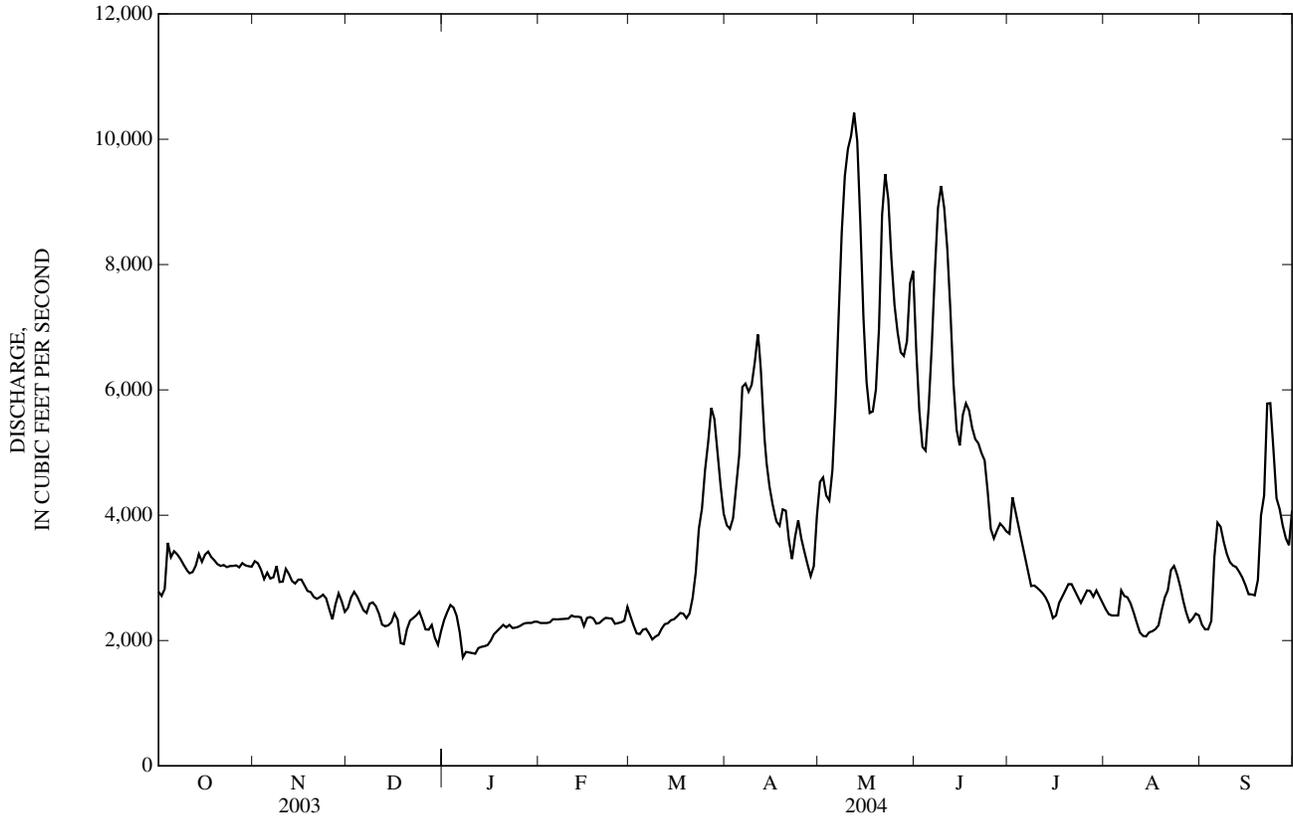
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	4,000	3,816	3,287	3,081	3,240	3,801	8,149	18,920	21,520	8,819	4,272	3,714
MAX	9,416	7,601	6,588	6,371	6,326	8,412	22,590	42,090	55,530	31,750	11,400	11,330
(WY)	(1942)	(1987)	(1987)	(1985)	(1985)	(1985)	(1942)	(1984)	(1917)	(1957)	(1984)	(1929)
MIN	1,353	1,730	2,023	1,876	1,843	2,009	1,638	2,322	2,504	1,057	1,017	1,078
(WY)	(1935)	(1935)	(2003)	(2003)	(2003)	(1977)	(1977)	(1977)	(2002)	(1934)	(1934)	(1934)

09180500 COLORADO RIVER NEAR CISCO, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	1,410,320		1,289,470			
ANNUAL MEAN	3,864		3,523		7,226	
HIGHEST ANNUAL MEAN					14,930	1984
LOWEST ANNUAL MEAN					2,557	2002
HIGHEST DAILY MEAN	26,400	Jun 3	10,400	May 12	73,200	Jun 19, 1917
LOWEST DAILY MEAN	1,430	Feb 9	1,730	Jan 7	640	Jul 21, 1934
ANNUAL SEVEN-DAY MINIMUM	1,570	Feb 6	1,820	Jan 7	736	Jul 15, 1934
ANNUAL RUNOFF (AC-FT)	2,797,000		2,558,000		5,235,000	
10 PERCENT EXCEEDS	7,380		6,060		18,000	
50 PERCENT EXCEEDS	2,740		2,860		3,840	
90 PERCENT EXCEEDS	1,860		2,190		2,230	

e Estimated



09180500 COLORADO RIVER NEAR CISCO, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1928 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1941 to September 1952, October 1954 to September 1981, March 1982 to current year.

WATER TEMPERATURE: May 1949 to September 1959, October 1964 to September 1981, March 1982 to current year.

SUSPENDED-SEDIMENT DISCHARGE: May 1930 to September 1984.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 4,820 microsiemens/cm, Dec 13, 1957; minimum daily, 291 microsiemens/cm, May 31, 1953.

WATER TEMPERATURE: Maximum observed, 29.0°C, Jul 29, 1966; minimum, 0.0°C, on many days during winter period most years.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 69,000 mg/L, Oct 27, 1951; minimum daily mean, 4 mg/L, Aug 22, 1960.

SEDIMENT LOADS: Maximum daily, 2,790,000 tons, Oct 14, 1941; minimum daily, 14 tons, Aug 22, 1960.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 1,500 microsiemens/cm, Nov 29; minimum observed, 510 microsiemens/cm, May 12, 13.

WATER TEMPERATURE: Maximum observed, 24.0°C, Jul 27-30; minimum observed, 4.0°C, Feb 15-22 (no data Dec, Jan).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
NOV 19...	0830	2.17	2,840	8.2	1,400	-1.0	4.5	952
MAR 30...	0830	3.08	4,570	8.2	700	13.0	10.0	430
MAY 11...	0800	5.17	10,000	8.1	510	19.0	16.0	323
JUN 22...	0800	3.13	4,700	8.3	790	20.0	19.5	499
AUG 04...	0800	1.95	2,400	8.3	1,300	19.5	22.0	895
SEP 14...	0800	2.25	2,910	8.3	1,260	18.0	19.0	861

09180500 COLORADO RIVER NEAR CISCO, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,190	1,260	1,330	1,350	---	1,440	---	950	640	1,030	---	1,310
2	1,180	1,260	1,320	---	---	1,350	860	900	---	1,060	---	1,340
3	1,180	1,250	1,320	1,380	---	1,360	900	900	760	1,010	1,300	---
4	1,210	1,260	1,300	1,360	---	1,390	860	910	800	990	1,300	1,350
5	1,200	1,320	1,260	1,400	---	---	890	---	840	990	1,320	1,450
6	1,190	1,300	1,310	---	---	1,410	830	870	720	1,020	1,300	1,250
7	1,190	1,370	1,320	---	---	1,390	820	770	650	1,040	1,390	1,220
8	1,200	1,340	1,310	---	---	1,410	860	640	590	1,090	---	1,260
9	1,160	1,330	1,290	---	---	1,360	790	580	560	1,130	---	1,240
10	1,190	1,340	1,350	---	---	1,400	800	540	550	1,140	1,250	1,270
11	1,180	1,360	1,330	---	---	1,350	750	530	580	1,150	1,260	1,270
12	1,180	1,370	1,290	---	---	1,360	---	510	630	1,140	1,270	1,280
13	1,190	1,370	1,350	---	---	1,400	750	510	690	1,160	1,270	1,260
14	1,200	1,380	1,360	---	---	1,340	770	540	760	1,160	1,310	1,260
15	1,210	1,430	1,380	---	1,380	1,320	790	620	790	1,200	1,330	1,260
16	1,180	1,380	1,340	---	1,380	1,290	830	660	830	1,210	1,300	1,260
17	1,180	1,360	1,380	---	1,350	1,300	840	730	---	1,230	1,270	1,260
18	1,160	1,380	1,400	---	1,370	1,260	860	770	750	1,190	1,290	1,300
19	1,180	1,410	1,410	---	1,370	1,230	890	---	760	1,170	1,300	1,290
20	1,170	1,380	1,360	---	1,360	1,220	880	760	780	1,140	1,330	1,290
21	1,190	1,400	1,350	---	1,370	1,230	---	680	810	1,100	1,300	1,260
22	1,210	1,390	1,370	---	1,340	1,200	880	580	800	1,110	1,300	1,190
23	1,200	1,420	1,410	---	1,400	1,130	920	560	840	1,120	1,270	1,130
24	1,230	1,410	1,370	---	---	1,050	950	570	---	1,150	1,260	1,150
25	1,210	1,390	1,330	---	1,350	940	950	610	---	1,160	1,260	1,150
26	1,220	1,410	1,320	---	1,380	870	1,010	650	840	1,180	1,260	1,160
27	1,200	---	1,330	---	1,390	800	1,030	670	960	1,180	1,260	1,170
28	1,200	1,420	1,300	---	1,370	760	1,040	700	980	1,180	1,270	1,200
29	1,250	1,500	1,410	---	---	730	1,060	700	980	1,170	1,310	1,250
30	1,240	1,420	---	---	---	770	1,050	690	1,000	---	1,310	1,280
31	1,220	---	---	---	---	880	---	650	---	---	1,310	---
MEAN	1,200	1,370	1,340	1,370	1,370	1,200	884	681	765	1,120	1,290	1,250

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	10.0	---	---	---	---	---	15.0	20.0	---	---	---
2	18.0	10.0	---	---	---	---	14.0	15.0	---	---	---	---
3	18.0	11.0	---	---	---	---	14.0	15.0	20.0	---	---	---
4	17.0	9.0	---	---	---	---	14.0	15.0	20.0	---	---	---
5	17.0	8.0	---	---	---	---	14.0	---	20.0	---	---	---
6	17.0	8.0	---	---	---	---	14.0	15.0	20.0	---	---	---
7	17.0	7.0	---	---	---	---	14.0	16.0	20.0	---	---	---
8	17.0	7.0	---	---	---	---	14.0	16.0	20.0	---	---	---
9	17.0	7.0	---	---	---	---	14.0	16.0	20.0	---	---	---
10	17.0	7.0	---	---	---	---	14.0	16.0	20.0	---	---	---
11	17.0	7.0	---	---	---	---	15.0	16.0	21.0	---	---	---
12	17.0	7.0	---	---	---	---	---	16.0	21.0	---	---	---
13	17.0	7.0	---	---	---	---	15.0	16.0	21.0	---	---	---
14	17.0	7.0	---	---	---	---	14.0	16.0	21.0	---	---	20.0
15	16.0	7.0	---	---	4.0	---	15.0	16.0	21.0	---	---	20.0
16	16.0	7.0	---	---	4.0	---	15.0	16.0	21.0	---	---	21.0
17	16.0	7.0	---	---	4.0	---	15.0	17.0	---	---	---	21.0
18	16.0	7.0	---	---	4.0	---	16.0	17.0	22.0	---	---	19.0
19	15.0	7.0	---	---	4.0	---	15.0	---	22.0	---	---	19.0
20	15.0	6.0	---	---	4.0	---	15.0	17.0	22.0	---	---	18.0
21	15.0	6.0	---	---	4.0	---	---	17.0	22.0	---	---	17.0
22	15.0	6.0	---	---	4.0	---	15.0	17.0	22.0	---	---	17.0
23	15.0	6.0	---	---	5.0	---	15.0	17.0	22.0	---	---	17.0
24	14.0	5.0	---	---	---	---	15.0	17.0	---	---	---	17.0
25	14.0	5.0	---	---	5.0	---	15.0	17.0	---	---	---	18.0
26	14.0	5.0	---	---	5.0	---	15.0	17.0	23.0	---	---	19.0
27	12.0	---	---	---	5.0	---	16.0	18.0	24.0	---	---	19.0
28	12.0	5.0	---	---	5.0	---	16.0	18.0	24.0	---	---	18.0
29	12.0	5.0	---	---	---	---	16.0	18.0	24.0	---	---	18.0
30	12.0	5.0	---	---	---	---	16.0	18.0	24.0	---	---	18.0
31	12.0	---	---	---	---	---	---	18.0	---	---	---	---
MEAN	15.5	6.9	---	---	4.4	---	14.8	16.5	21.4	---	---	18.6

TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

09182400 CASTLE CREEK BELOW CASTLE VALLEY, NEAR MOAB, UT

LOCATION.--Lat 38°40'26", long 109°26'58", in SE¹/₄SW¹/₄NE¹/₄ sec. 35, T. 24 S., R. 22 E., Grand County, Hydrologic Unit 14030005, on left bank and 16.5 mi northwest of Moab.

DRAINAGE AREA.--58.1 mi².

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above and below the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 321 ft³/s, Sep 13, 1997 gage height, 7.46 ft; minimum daily discharge, 2.9 ft³/s, Jul 31, Sep 2, 3, 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 7	0515	*24	*6.03				

Minimum daily discharge, 2.9 ft³/s, Jul 31, Sep 2, 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.5	6.6	7.3	5.9	e6.5	4.5	4.4	3.4	3.2	3.1	e3.3
2	4.6	4.6	6.8	7.8	5.9	e6.4	4.5	4.3	3.5	3.1	3.0	2.9
3	4.7	4.7	6.9	7.0	6.0	e6.4	4.4	4.3	3.3	3.2	3.0	2.9
4	4.8	4.6	6.8	6.3	6.2	e6.6	4.4	4.2	3.2	3.2	3.0	3.2
5	4.6	4.6	6.8	6.2	6.2	e6.4	5.8	4.1	3.1	3.1	3.1	3.1
6	4.7	4.8	6.8	6.2	6.0	e6.4	5.7	4.1	3.1	3.2	3.2	3.1
7	4.6	4.8	6.9	6.4	5.9	e6.3	6.1	3.9	3.1	3.2	3.2	3.0
8	4.4	4.8	8.4	6.8	6.0	e6.2	4.9	4.3	3.2	3.3	3.1	3.0
9	4.4	5.3	6.9	7.0	6.1	e6.3	4.9	4.2	3.1	3.4	3.0	3.0
10	4.5	5.4	6.6	6.9	6.0	e6.3	4.9	3.7	3.2	3.3	3.0	3.0
11	4.7	5.4	6.7	7.0	6.0	e6.3	4.8	3.8	3.2	3.3	3.1	3.1
12	4.9	5.5	6.6	7.1	5.9	e6.3	4.8	3.8	3.2	3.4	3.1	3.1
13	4.9	5.5	6.6	6.9	5.9	e6.4	4.7	3.7	3.4	3.3	3.2	3.0
14	4.9	5.6	6.7	6.6	5.9	e6.4	4.5	3.8	3.2	3.3	3.1	3.0
15	4.7	5.9	6.9	6.4	6.4	e6.5	3.7	3.8	3.3	3.3	3.2	3.1
16	4.8	6.0	6.5	6.7	6.4	e6.6	3.6	3.9	3.4	3.4	3.4	3.1
17	4.8	6.0	6.5	6.3	6.2	e6.7	3.6	3.6	3.5	3.5	3.4	3.1
18	4.7	5.8	6.5	6.2	6.2	e6.8	3.9	3.6	3.3	3.4	3.5	3.2
19	4.8	6.0	6.6	6.2	6.4	e7.0	3.8	3.5	3.3	3.4	3.6	3.7
20	4.6	6.3	7.0	6.3	6.4	e6.5	4.1	3.6	3.2	3.4	3.8	3.5
21	4.5	6.4	7.3	6.0	6.5	e6.2	3.9	3.6	3.2	3.4	3.7	3.5
22	4.4	6.0	7.2	6.0	6.5	e6.0	4.1	3.5	3.3	3.5	3.6	3.2
23	4.5	5.7	6.5	6.0	6.8	e5.7	4.4	3.6	3.1	3.6	3.5	3.4
24	4.5	6.3	6.6	6.0	6.7	e5.4	4.2	3.5	3.0	3.6	e3.6	3.3
25	4.3	6.4	6.6	6.1	6.6	e5.1	4.0	3.6	3.1	3.6	e3.5	3.2
26	4.5	6.1	7.4	6.0	6.6	e4.9	4.0	3.7	3.2	3.5	e3.6	3.2
27	4.4	6.4	6.4	5.9	e6.7	e4.8	3.9	3.5	3.2	3.4	e3.5	3.2
28	4.3	6.4	6.4	6.0	e6.6	e4.7	3.8	3.5	3.3	3.3	e3.4	3.2
29	4.4	6.6	6.4	6.1	e6.6	e4.6	4.2	3.8	3.4	3.1	e3.5	3.3
30	4.4	6.6	6.4	6.1	---	4.5	5.1	3.6	3.3	3.0	e3.4	3.3
31	4.5	---	6.9	6.2	---	4.5	---	3.4	---	2.9	e3.4	---
TOTAL	142.2	169.0	210.2	200.0	181.5	185.7	133.2	117.9	97.3	102.8	102.8	95.2
MEAN	4.59	5.63	6.78	6.45	6.26	5.99	4.44	3.80	3.24	3.32	3.32	3.17
MAX	4.9	6.6	8.4	7.8	6.8	7.0	6.1	4.4	3.5	3.6	3.8	3.7
MIN	4.3	4.5	6.4	5.9	5.9	4.5	3.6	3.4	3.0	2.9	3.0	2.9
AC-FT	282	335	417	397	360	368	264	234	193	204	204	189

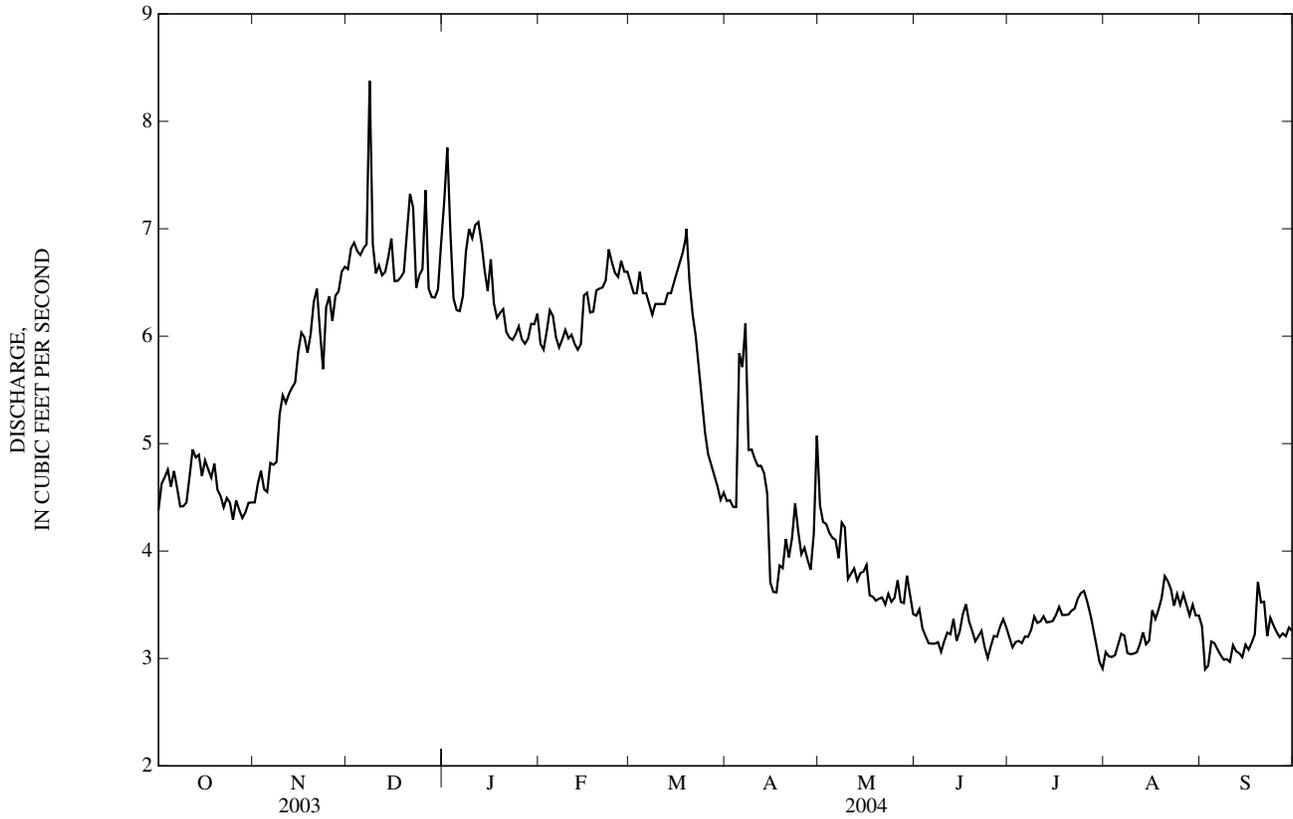
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	6.08	7.30	7.19	7.03	6.93	6.91	5.97	6.01	6.17	4.98	4.57	5.12
MAX	8.33	8.95	8.36	8.53	8.37	8.77	8.43	17.2	15.4	9.85	6.72	7.50
(WY)	(1998)	(1998)	(1996)	(1993)	(1998)	(1998)	(1993)	(1993)	(1993)	(1995)	(1997)	(1997)
MIN	4.09	5.62	6.27	5.64	6.19	5.06	4.07	3.80	3.24	3.31	3.32	3.17
(WY)	(2001)	(2003)	(2003)	(1999)	(2000)	(2003)	(2003)	(2004)	(2004)	(1994)	(2004)	(2004)

09182400 CASTLE CREEK BELOW CASTLE VALLEY, NEAR MOAB, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	1,796.2		1,737.8		6.17	
ANNUAL MEAN	4.92		4.75		4.75	
HIGHEST ANNUAL MEAN					8.84	1993
LOWEST ANNUAL MEAN					4.75	2004
HIGHEST DAILY MEAN	8.4	Dec 8	8.4	Dec 8	34	May 27, 1993
LOWEST DAILY MEAN	3.3	Aug 2	2.9	Jul 31	2.9	Jul 31, 2004
ANNUAL SEVEN-DAY MINIMUM	3.4	Aug 1	3.0	Jul 29	3.0	Jul 29, 2004
ANNUAL RUNOFF (AC-FT)	3,560		3,450		4,470	
10 PERCENT EXCEEDS	6.6		6.6		8.4	
50 PERCENT EXCEEDS	4.4		4.5		6.2	
90 PERCENT EXCEEDS	3.8		3.1		3.7	

e Estimated



TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT

LOCATION.--Lat 38°28'59", long 109°24'12", in NW¼NW¼SW¼, sec. 4, T. 27 S., R. 23 E. in San Juan County, Hydrologic Unit 14030005 on the left bank 1,000 ft above Sheley Tunnel, and 9 mi southeast of Moab.

DRAINAGE AREA.--26.8 mi².

PERIOD OF RECORD.--October 1954 to September 1959, October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from a topographic map. Prior to October 1, 1987 at different site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Small diversion for irrigation above the station. Sheley Tunnel, which diverts water from Mill Creek for K. E. McDougald Reservoir, is located 1,000 ft below the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft³/s, Aug 8, 1993, gage height, 7.66 ft from floodmarks, from rating curve extended above 340 ft³/s, on basis of slope-area measurement of peak flow; minimum recorded, 2.1 ft³/s, Apr 5, 1955 and Aug 26, 27, 28, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 29	2145	*131	*3.61	No other peaks above base.			

Minimum daily discharge, 3.7 ft³/s, on several days in Oct.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.0	4.6	4.4	4.1	3.9	5.9	8.0	15	e10	6.2	5.6
2	3.9	4.5	4.5	4.4	4.1	4.0	5.7	8.4	15	9.8	6.2	5.6
3	4.1	4.6	4.4	4.4	4.1	3.9	5.8	8.9	18	9.6	6.3	5.5
4	4.3	4.6	4.4	4.2	4.2	4.0	5.6	12	19	9.3	6.1	6.4
5	4.1	4.6	4.4	e4.1	4.1	4.0	8.2	16	21	9.3	6.2	e6.3
6	4.1	4.5	4.5	e4.0	4.0	4.0	5.6	21	23	9.1	6.1	e6.0
7	4.1	4.6	4.6	4.4	e4.0	4.0	5.9	22	25	8.9	5.9	e5.9
8	3.9	4.5	4.8	4.4	4.1	4.0	5.9	22	26	8.6	5.8	e6.2
9	3.8	4.5	4.3	e4.0	4.0	4.1	6.1	25	24	8.5	5.8	5.7
10	3.8	4.8	4.3	e4.0	e4.0	4.2	5.9	25	22	8.3	5.6	5.7
11	3.8	4.6	4.5	e3.9	4.0	4.2	5.5	27	20	8.2	5.6	5.6
12	3.8	4.6	4.5	e4.0	e3.8	4.3	5.3	22	18	8.0	5.5	5.6
13	3.8	4.7	4.5	e4.1	e3.9	4.3	5.2	18	16	7.9	5.5	5.5
14	3.8	4.6	4.6	e4.3	e4.0	4.4	5.5	15	14	7.7	5.5	5.5
15	3.8	4.6	4.7	4.3	4.1	4.4	5.3	13	13	7.8	5.8	5.3
16	3.8	4.5	e4.4	4.3	4.1	4.4	5.5	14	13	7.9	6.2	5.3
17	3.8	4.6	e4.5	4.2	4.1	4.5	5.7	17	13	7.8	6.6	5.2
18	3.7	4.4	4.5	4.2	4.1	4.5	6.1	17	13	7.6	6.5	5.2
19	3.7	4.6	4.6	4.2	4.1	4.6	5.7	21	12	7.5	6.6	11
20	3.7	4.6	4.6	4.2	4.0	4.8	5.4	23	12	7.6	6.3	8.7
21	3.7	4.5	4.6	4.1	4.0	5.2	5.3	22	12	7.4	6.1	7.7
22	3.7	4.5	4.6	4.2	4.0	5.4	6.5	21	11	7.0	6.1	7.3
23	3.7	e4.4	4.4	e4.2	4.0	5.7	7.1	19	11	6.8	6.1	6.9
24	3.8	e4.2	4.4	4.2	4.0	6.0	6.1	18	10	6.7	6.0	6.9
25	3.7	4.3	4.5	4.2	4.0	6.4	6.1	17	10	6.6	5.9	6.8
26	3.8	4.2	4.7	e4.1	3.9	6.5	6.4	16	10	6.7	5.9	6.7
27	3.9	4.0	4.3	e4.2	4.1	6.3	6.7	17	11	6.7	5.8	6.6
28	3.9	4.1	e4.0	4.2	4.1	5.9	7.4	18	10	6.6	5.8	6.4
29	3.9	4.4	4.0	4.1	4.0	5.6	8.7	20	14	6.4	5.7	7.1
30	3.9	4.6	4.7	4.1	---	5.5	10	18	e13	6.3	5.7	7.1
31	3.9	---	4.5	4.2	---	5.6	---	16	---	6.1	5.7	---
TOTAL	119.4	134.2	138.9	129.8	117.0	148.6	186.1	557.3	464	242.7	185.1	191.3
MEAN	3.85	4.47	4.48	4.19	4.03	4.79	6.20	18.0	15.5	7.83	5.97	6.38
MAX	4.3	4.8	4.8	4.4	4.2	6.5	10	27	26	10	6.6	11
MIN	3.7	4.0	4.0	3.9	3.8	3.9	5.2	8.0	10	6.1	5.5	5.2
AC-FT	237	266	276	257	232	295	369	1,110	920	481	367	379

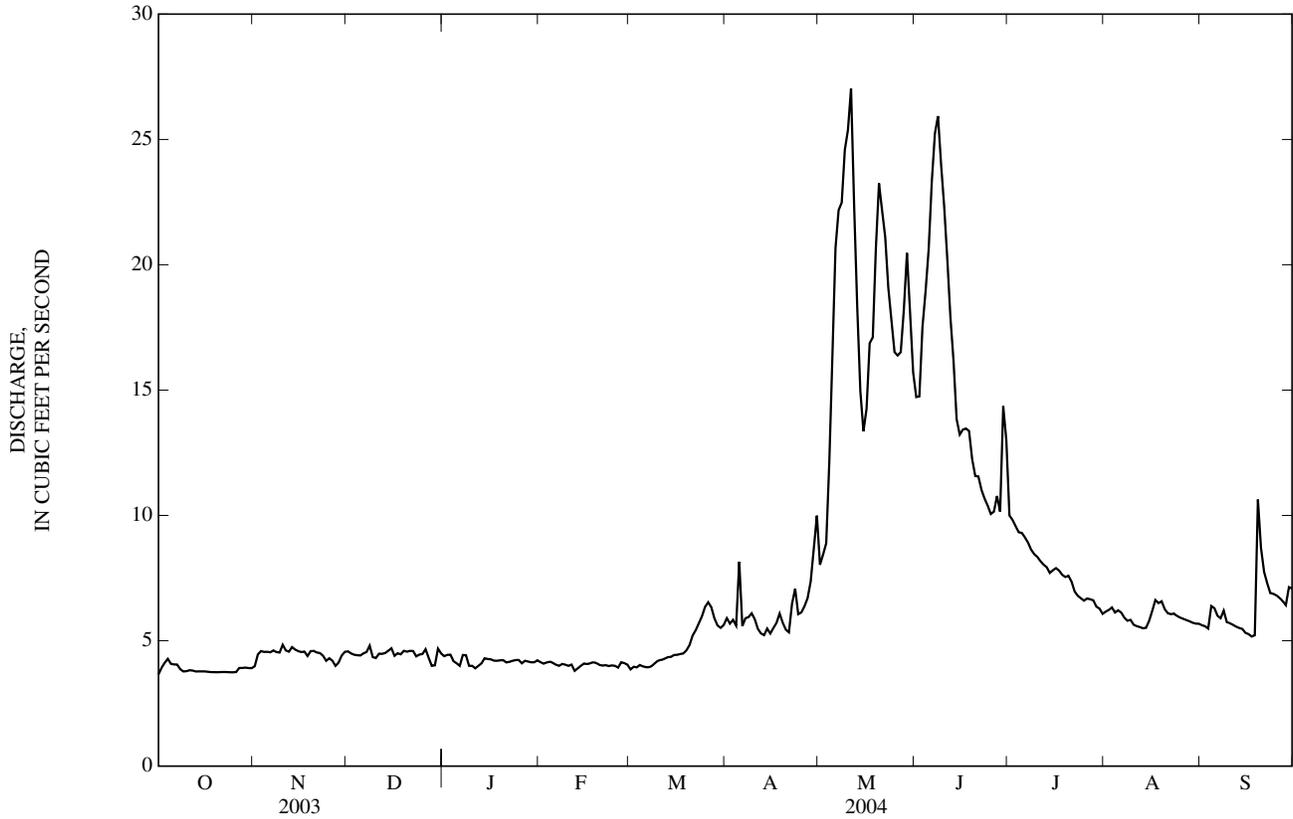
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-2004, BY WATER YEAR (WY)

MEAN	7.96	7.08	6.45	5.92	5.55	6.13	10.4	26.4	25.1	13.3	9.58	8.20
MAX	15.4	15.6	11.0	8.82	8.06	9.43	22.2	70.5	67.9	40.7	18.7	13.5
(WY)	(1998)	(1988)	(1988)	(1988)	(1988)	(1988)	(1958)	(1958)	(1957)	(1995)	(1993)	(1993)
MIN	3.63	3.63	3.71	3.66	3.59	3.85	5.42	6.54	4.40	2.78	2.48	3.92
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)

09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1955-59, 1988-2004	
ANNUAL TOTAL	2,633.0		2,614.4		11.0	
ANNUAL MEAN	7.21		7.14		20.4	
HIGHEST ANNUAL MEAN					4.73	
LOWEST ANNUAL MEAN					1993	
HIGHEST DAILY MEAN	41	May 31	27	May 11	141	May 27, 1993
LOWEST DAILY MEAN	2.8	Feb 8	3.7	Oct 1	2.2	Aug 26, 2002
ANNUAL SEVEN-DAY MINIMUM	3.3	Feb 2	3.7	Oct 17	2.3	Aug 23, 2002
ANNUAL RUNOFF (AC-FT)	5,220		5,190		7,990	
10 PERCENT EXCEEDS	13		15		21	
50 PERCENT EXCEEDS	4.6		5.4		7.2	
90 PERCENT EXCEEDS	3.6		4.0		4.6	

e Estimated



TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

09183600 MILL CREEK BELOW SHELEY TUNNEL, NEAR MOAB, UT

LOCATION.--Lat 38°29'08", long 109°24'37", in NE¹/₄SW¹/₄NE¹/₄, sec. 5, T. 27 S., R. 23 E. in San Juan County, Hydrologic Unit 14030005 on the left bank 600 ft below Sheley Tunnel, and 9 mi southeast of Moab.

DRAINAGE AREA.--27.6 mi².

PERIOD OF RECORD.--October 2003 to September 2004.

GAGE.--Water-stage recorder. Elevation of gage is 5,341 ft above NGVD of 1929, from a topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Sheley Tunnel, which diverts water from Mill Creek for K. E. McDougald Reservoir, is located 600 ft above the gage. All of the flow can be diverted through the tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99 ft³/s, Jun 29, 2004, gage height, 3.49 ft; minimum daily discharge, 0.99 ft³/s, Mar 9, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99 ft³/s, Jun 29, gage height, 3.49 ft; minimum daily discharge, 0.99 ft³/s, Mar 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.3	2.4	1.7	e1.0	1.0	4.2	4.7	3.7	1.3	4.8	4.4
2	3.6	2.9	2.4	1.8	e1.0	1.0	4.2	4.7	3.7	1.2	4.8	3.4
3	3.6	2.9	2.4	1.8	1.0	1.0	4.1	4.7	3.8	1.8	4.8	3.3
4	3.6	2.9	2.4	e1.3	1.1	1.0	4.1	4.3	3.8	1.8	4.8	3.7
5	3.5	2.7	2.4	e1.3	1.1	1.0	4.0	4.1	3.8	2.0	4.8	3.5
6	3.5	2.6	2.4	e1.3	e1.0	1.0	2.2	2.9	3.8	2.3	4.8	3.4
7	3.5	2.6	2.4	e1.4	e1.0	1.0	1.8	4.5	3.7	3.8	4.7	3.2
8	3.4	2.6	2.5	e1.3	1.0	1.00	2.5	2.8	4.1	4.8	4.7	3.2
9	3.4	2.6	2.4	e1.1	e1.0	0.99	3.8	3.5	3.9	4.8	4.7	3.2
10	3.4	2.6	e2.4	e1.1	e1.0	1.0	3.7	3.4	3.6	4.8	4.7	3.1
11	3.4	2.6	2.5	e1.0	e1.0	1.0	3.6	3.6	3.6	4.8	4.7	3.1
12	3.4	2.6	2.6	e1.1	e1.0	1.0	3.6	5.3	3.6	4.8	4.6	3.2
13	3.4	2.6	2.5	e1.1	e1.0	1.0	3.6	4.9	3.5	4.8	4.6	3.1
14	3.4	2.6	2.5	e1.2	e1.0	1.0	3.5	4.6	3.5	4.8	4.6	3.1
15	3.4	2.6	e2.4	1.2	1.0	1.0	3.5	5.0	3.5	4.8	4.7	3.7
16	3.4	2.6	e2.3	1.2	1.0	2.2	3.4	5.1	3.6	4.8	4.8	4.1
17	3.4	2.6	e2.2	1.2	1.0	3.2	3.4	5.2	3.6	4.9	4.9	3.9
18	3.4	2.6	e2.1	1.2	1.1	3.2	3.4	5.2	3.6	4.8	4.9	3.9
19	3.4	2.6	2.0	1.2	1.2	3.1	3.4	5.2	3.6	4.8	4.9	6.6
20	3.4	2.6	1.9	1.2	1.2	3.0	3.4	4.9	3.6	4.8	4.8	5.0
21	3.4	2.5	1.9	1.2	1.2	3.0	3.3	5.3	3.6	4.9	4.8	3.5
22	3.3	2.6	1.9	e1.2	1.2	3.7	3.5	4.1	3.6	4.8	4.8	3.4
23	3.3	2.1	1.8	e1.2	1.2	4.0	1.8	3.8	3.6	4.9	4.8	3.4
24	3.3	2.0	1.8	e1.2	1.1	4.0	2.7	3.8	3.6	4.9	4.8	3.4
25	3.3	2.5	1.8	1.2	1.1	4.0	2.7	3.8	3.5	4.9	4.7	3.4
26	3.3	2.5	1.8	e1.2	1.1	4.0	2.5	3.8	3.5	4.9	4.7	3.4
27	3.3	2.4	1.8	e1.0	1.1	4.0	2.5	3.8	3.5	4.9	4.6	3.4
28	3.3	2.3	e1.7	1.0	1.0	4.0	3.1	3.9	3.5	4.9	4.6	3.4
29	3.3	2.4	e1.8	1.0	1.0	4.1	3.2	3.9	8.4	4.9	4.5	3.4
30	3.2	2.4	1.8	1.0	---	4.1	3.8	3.8	6.5	4.9	4.5	3.3
31	3.6	---	1.8	1.0	---	4.2	---	3.7	---	4.9	4.4	---
MEAN	3.41	2.58	2.16	1.22	1.06	2.35	3.28	4.27	3.90	4.21	4.72	3.60
MAX	3.6	3.3	2.6	1.8	1.2	4.2	4.2	5.3	8.4	4.9	4.9	6.6
MIN	3.2	2.0	1.7	1.0	1.0	0.99	1.8	2.8	3.5	1.2	4.4	3.1

e Estimated