

09180000 DOLORES RIVER NEAR CISCO, UT

Upper Colorado-Dolores Basin
Lower Dolores Subbasin

LOCATION.--Lat 38°47'50", long 109°11'40" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.18, T.23 S., R.25 E., Grand County, UT, Hydrologic Unit 14030004, on the left bank 0.2 miles downstream from Line Canyon, 9.1 mi. upstream from the mouth, 13.5 mi. downstream from the Colorado-Utah State line, and 13.9 mi. southeast of Cisco, UT.

DRAINAGE AREA.--4,580 mi².

SURFACE-WATER 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 McPhee 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 (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 8	0000	*3,710	*10.43

Minimum daily discharge, 91 ft³/s, Oct 3.

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	96	166	165	e110	e145	173	238	1,020	2,570	1,250	407	127
2	94	163	148	e120	e120	174	390	847	2,510	1,110	438	141
3	91	158	167	e135	e125	171	738	720	2,740	1,000	391	125
4	201	156	178	e145	e130	177	917	664	2,760	962	407	117
5	156	157	183	e140	e140	175	730	715	2,870	866	446	116
6	111	164	183	e140	e140	176	665	851	3,150	845	334	120
7	107	159	173	e140	e145	177	737	1,040	3,360	814	295	120
8	116	159	164	e145	e145	191	636	1,350	3,220	861	263	125
9	146	165	169	e150	e140	185	653	1,700	2,820	848	243	127
10	154	165	165	e145	e145	178	677	1,600	2,580	922	247	172
11	149	172	171	e140	e150	173	573	1,290	2,410	916	289	165
12	138	164	169	e140	e160	174	514	1,190	2,180	909	228	147
13	131	157	165	e145	e165	176	527	1,330	2,310	1,200	200	162
14	130	154	159	e145	e170	194	557	1,900	2,560	913	180	157
15	131	160	160	e145	e180	207	613	2,050	2,570	760	186	145
16	131	163	161	e150	e200	211	566	1,960	2,620	639	222	214
17	131	168	159	e150	216	223	635	1,680	2,500	610	174	244
18	133	158	161	e150	219	246	819	1,500	2,490	724	154	315
19	145	131	165	e150	214	276	961	1,390	2,220	717	142	400
20	153	129	178	e150	223	311	1,080	1,360	2,040	931	134	298
21	178	143	187	e150	223	311	1,100	1,340	1,760	717	127	235
22	178	147	200	e155	218	305	1,150	1,560	1,460	569	127	209
23	205	147	203	e150	210	296	1,110	1,660	1,360	491	133	192
24	229	161	201	e150	183	283	991	1,790	1,440	446	130	190
25	243	153	197	e150	185	247	1,050	1,740	1,490	401	122	165
26	250	134	189	e155	184	220	1,230	1,620	1,460	435	119	157
27	243	123	174	e155	180	213	1,350	1,610	1,280	621	115	151
28	208	140	172	e150	175	211	1,100	2,030	1,160	754	131	144
29	196	149	174	e155	---	198	1,110	2,640	1,120	558	148	136
30	176	&152	171	e155	---	192	1,180	2,940	1,150	415	145	129
31	172	---	e155	e155	---	202	---	2,860	---	370	136	---
Total	4,922	4,617	5,366	4,515	4,830	6,646	24,597	47,947	66,160	23,574	6,813	5,245
Mean	159	154	173	146	172	214	820	1,547	2,205	760	220	175
Max	250	172	203	155	223	311	1,350	2,940	3,360	1,250	446	400
Min	91	123	148	110	120	171	238	664	1,120	370	115	116
Ac-ft	9,760	9,160	10,640	8,960	9,580	13,180	48,790	95,100	131,200	46,760	13,510	10,400

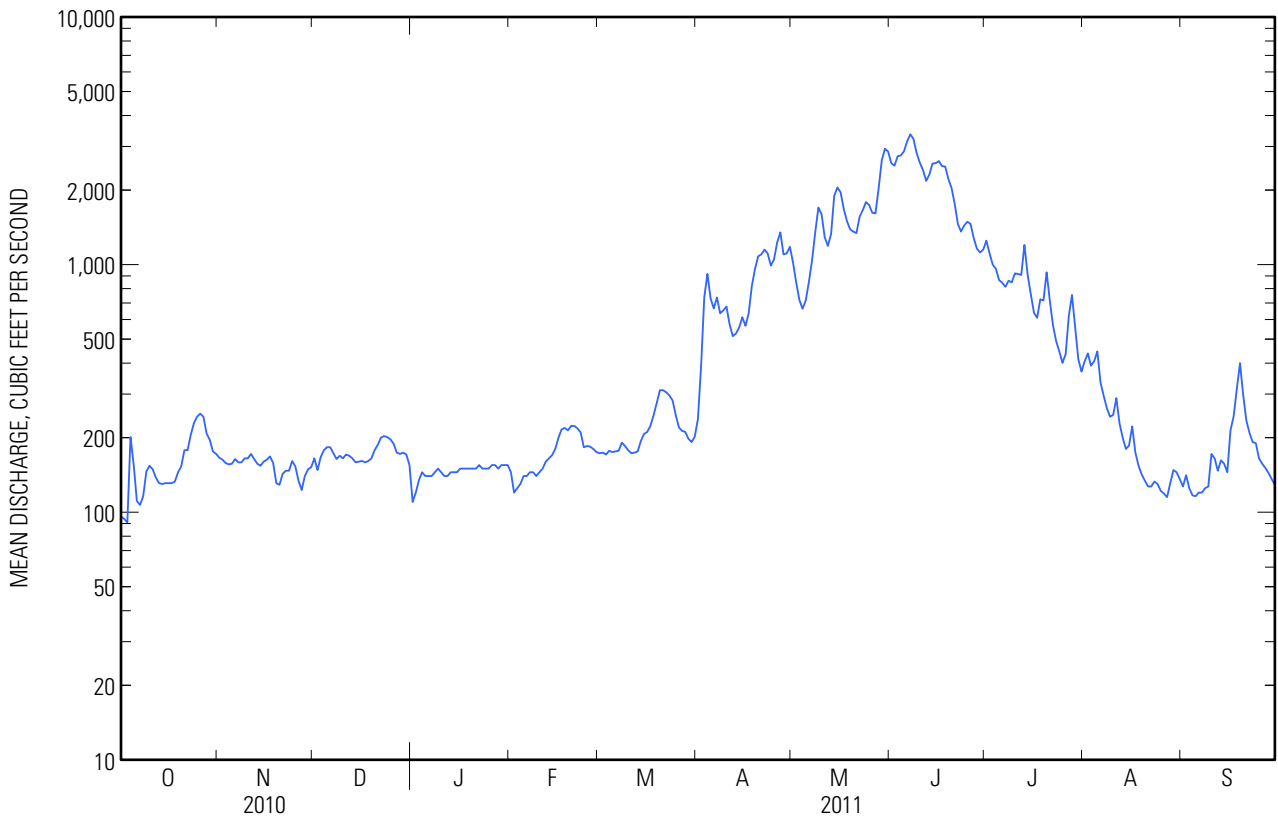
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	249	217	180	160	201	406	1,495	2,317	1,370	458	275	222
Max	783	894	606	370	518	1,037	5,338	8,803	3,895	1,827	917	779
(WY)	(2007)	(1987)	(1987)	(1987)	(1987)	(1997)	(1993)	(1993)	(1995)	(1995)	(1999)	(1999)
Min	112	115	92.6	76.3	97.2	132	177	113	76.5	5.41	9.57	80.6
(WY)	(2002)	(2004)	(2010)	(2010)	(2010)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(1989)

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1987 - 2011	
Annual total	169,781		205,232			
Annual mean	465		562		630	
Highest annual mean					1,768	1993
Lowest annual mean					107	2002
Highest daily mean	3,740	Apr 18	3,360	Jun 7	12,900	May 18, 1993
Lowest daily mean	63	Feb 8	91	Oct 3	1.5	Jul 21, 2002
Annual seven-day minimum	68	Jan 26	121	Sep 3	1.7	Jul 16, 2002
Annual runoff (ac-ft)	336,800		407,100		456,600	
10 percent exceeds	1,380		1,580		1,630	
50 percent exceeds	171		191		217	
90 percent exceeds	77		133		108	



09180000 DOLORES RIVER NEAR CISCO, UT—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

SPECIFIC CONDUCTANCE: 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.

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 USGS Utah Water Science Center, Salt Lake City office.

REMARKS.--Water temperature records excellent. Data from Jun 23 to Jul 11 were not published due to extensive fouling of the specific conductance sensor.

Specific conductance records excellent except for Feb 8-22, Apr 17-28, May 14-31, Jun 3-7, Jul 19 to Aug 2, and Aug 31 to Sep 19 which are good; Jun 8-11 which are fair; Jun 12-22 which are poor. Data from Jun 23 to Jul 11 were not published due to extensive fouling of the specific conductance sensor.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum observed, 32.0°C, Jul 9, 2002; minimum observed, -0.1°C, on many days.

SPECIFIC CONDUCTANCE: Maximum daily, 21,600 microsiemens/cm, Jul 9, 1977; minimum instantaneous, 235 microsiemens/cm, May 10, 2008.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.8 °C, Aug 27; minimum, 0.0 °C, on many days during the winter.

SPECIFIC CONDUCTANCE: Maximum, 2,590 microsiemens/cm, Feb 27; minimum, 268 microsiemens/cm, May 16.

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	21.5	15.7	18.1	10.6	8.3	9.5	2.3	0.3	1.0	0.1	0.0	0.0
2	21.1	15.4	17.9	10.3	7.9	9.2	2.2	0.0	0.9	0.0	0.0	0.0
3	20.8	15.4	17.6	10.9	8.2	9.6	2.1	0.6	1.4	0.0	0.0	0.0
4	17.9	16.1	16.9	10.9	8.6	9.8	2.8	1.6	2.1	0.0	0.0	0.0
5	18.0	15.3	16.7	10.8	8.5	9.7	4.1	2.4	3.0	0.0	0.0	0.0
6	19.0	16.2	17.2	10.8	8.6	9.8	3.1	2.1	2.5	0.0	0.0	0.0
7	19.0	15.5	17.0	10.9	8.9	9.9	2.3	1.4	1.9	0.0	0.0	0.0
8	18.8	15.4	16.7	9.9	9.0	9.4	2.5	1.6	2.0	0.0	0.0	0.0
9	16.8	13.7	15.0	9.6	7.8	8.7	3.5	1.7	2.6	0.0	0.0	0.0
10	17.0	13.5	15.1	7.8	5.8	6.9	4.2	2.5	3.3	0.0	0.0	0.0
11	16.9	13.5	15.1	7.7	6.1	6.6	5.2	3.5	4.1	0.0	0.0	0.0
12	17.4	13.9	15.4	6.6	4.4	5.5	4.4	2.8	3.5	0.0	0.0	0.0
13	17.0	13.4	14.9	6.0	4.0	5.0	3.7	2.1	2.9	0.1	0.0	0.0
14	16.4	12.8	14.3	5.5	3.5	4.5	3.9	2.4	3.2	0.1	0.0	0.0
15	16.0	12.4	13.9	6.2	4.1	4.9	4.9	3.6	4.1	0.1	0.0	0.0
16	15.7	12.2	13.7	5.8	3.6	4.7	3.6	2.1	2.8	0.1	0.0	0.0
17	15.2	12.2	13.5	5.2	3.4	4.4	2.2	0.6	1.6	0.1	0.0	0.0
18	15.2	13.3	14.0	5.3	3.2	4.3	2.6	1.6	2.2	0.1	0.0	0.0
19	15.7	12.1	13.7	4.9	3.3	4.2	4.9	2.5	3.3	0.1	0.0	0.0
20	15.3	12.2	13.7	6.2	4.5	5.3	6.6	4.9	5.9	0.1	0.0	0.0
21	14.5	12.8	13.7	7.1	5.2	5.9	6.6	6.2	6.4	0.1	0.0	0.0
22	13.7	12.9	13.3	5.2	3.9	4.6	7.4	5.8	6.6	0.1	0.0	0.0
23	15.1	12.2	13.3	4.4	2.6	3.5	7.8	6.8	7.2	0.1	0.0	0.0
24	14.5	12.0	13.5	3.6	0.6	2.3	6.8	5.1	5.7	0.1	0.0	0.0
25	13.8	10.2	12.2	0.6	0.0	0.1	5.4	3.9	4.5	0.1	0.0	0.0
26	10.2	8.4	9.3	0.3	0.0	0.1	4.3	3.2	3.7	0.1	0.0	0.0
27	9.6	7.0	8.4	0.4	0.0	0.1	5.5	3.9	4.5	0.1	0.0	0.0
28	8.7	6.6	7.8	0.8	0.0	0.3	3.9	2.4	3.0	0.1	0.0	0.0
29	8.7	6.5	7.8	2.0	0.4	1.0	2.7	1.7	2.4	0.1	0.0	0.0
30	9.8	7.5	8.7	1.0	0.0	0.3	2.5	0.4	1.7	0.1	0.0	0.0
31	11.0	8.6	9.8	---	---	---	0.4	0.0	0.0	0.5	0.0	0.1
Month	21.5	6.5	13.8	10.9	0.0	5.3	7.8	0.0	3.2	0.5	0.0	0.0

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.6	0.0	0.3	8.2	4.2	6.3	15.3	10.8	13.2	10.6	8.3	9.3
2	0.2	0.0	0.0	8.8	5.8	7.3	14.8	11.0	13.1	11.7	7.4	9.3
3	0.1	0.0	0.0	8.9	5.9	7.7	13.9	10.5	12.2	13.3	8.4	10.7
4	0.1	0.0	0.0	9.5	6.7	7.9	11.7	9.1	10.2	15.6	10.9	12.9
5	0.1	0.0	0.0	7.2	5.1	6.2	12.2	7.9	9.9	16.2	11.3	13.5
6	0.1	0.0	0.0	6.5	4.8	5.7	10.9	9.9	10.3	15.8	12.4	13.9
7	0.1	0.0	0.0	6.9	5.2	6.2	12.0	9.2	10.4	16.2	12.9	14.3
8	0.0	0.0	0.0	9.3	5.7	7.1	11.3	9.2	10.2	15.0	12.4	13.9
9	0.1	0.0	0.0	9.6	5.3	7.5	11.7	9.3	10.1	14.2	11.5	12.6
10	0.1	0.0	0.0	10.8	6.4	8.6	11.4	8.2	9.5	11.9	10.5	11.2
11	0.1	0.0	0.0	12.2	7.4	9.8	12.6	7.7	9.8	11.2	10.0	10.7
12	0.1	0.0	0.0	12.3	8.5	10.5	11.8	8.8	10.3	13.8	10.5	11.8
13	0.1	0.0	0.0	13.4	9.3	11.3	13.2	8.6	10.7	14.7	11.2	12.8
14	0.1	0.0	0.0	12.6	8.9	11.0	13.5	9.9	11.4	14.5	12.4	13.5
15	0.1	0.0	0.0	12.8	9.4	11.2	13.8	9.2	11.2	15.8	12.4	14.1
16	2.6	0.0	0.4	13.2	9.4	11.5	14.8	10.0	12.2	14.7	11.8	12.9
17	5.6	2.6	4.0	12.5	10.3	11.3	14.6	11.2	12.8	13.6	11.9	12.7
18	4.5	2.8	3.3	12.8	8.8	10.8	13.4	12.3	12.7	12.1	9.8	11.2
19	5.1	2.6	3.7	11.7	9.5	10.3	13.2	11.6	12.2	11.4	9.1	10.2
20	4.8	2.7	4.0	10.1	8.4	9.2	13.4	10.6	12.0	10.6	9.5	10
21	4.2	1.8	3.2	10.8	7.4	9.1	14.1	11.2	12.5	13.6	9.6	11.3
22	4.8	1.7	3.3	10.4	7.3	8.9	13.8	10.7	12.0	14.4	11.0	12.7
23	5.7	2.4	4.1	11.2	6.8	9.0	12.0	10.2	10.7	13.7	12.5	13.1
24	6.5	3.4	4.9	10.2	6.9	8.7	10.7	9.6	10.0	14.8	12.2	13.3
25	5.8	3.8	4.7	9.2	6.6	7.7	12.9	9.5	10.9	15.4	12.4	13.9
26	4.6	3.5	4.1	9.0	5.6	7.4	11.1	9.6	10.2	15.9	13.0	14.3
27	6.0	2.8	4.5	11.8	7.7	9.6	11.6	8.5	9.9	16.7	13.8	15.2
28	7.5	3.4	5.4	11.9	9.0	10.2	12.1	7.7	9.9	17.1	14.0	15.6
29	---	---	---	11.2	6.9	9.3	11.8	10.1	10.8	17.1	14.6	15.8
30	---	---	---	12.7	8.6	10.8	11.9	9.1	10.3	15.6	13.3	14.3
31	---	---	---	14.7	9.6	12.3	---	---	---	14.2	12.4	13.4
Month	7.5	0.0	1.8	14.7	4.2	9.0	15.3	7.7	11.1	17.1	7.4	12.7

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14.0	12.4	13.3	---	---	---	26.9	23.3	25.0	24.8	20.4	22.5
2	16.2	13.2	14.4	---	---	---	27.2	23.0	24.9	25.5	21.2	23.2
3	15.8	13.3	14.3	---	---	---	25.8	22.8	24.3	24.8	20.6	22.5
4	15.2	13.5	14.3	---	---	---	26.2	21.9	23.8	25.1	19.5	22.0
5	16.1	13.9	14.8	---	---	---	24.5	21.7	23.1	23.9	19.0	21.2
6	16.8	14.8	15.8	---	---	---	24.2	22.2	23.2	23.4	20.6	21.5
7	16.2	15.0	15.5	---	---	---	24.1	21.1	22.7	24.4	19.2	21.5
8	15.9	14.9	15.3	---	---	---	24.4	20.8	22.6	24.4	19.4	21.6
9	16.3	14.7	15.3	---	---	---	24.1	20.8	22.6	22.4	19.3	20.7
10	16.9	14.6	15.5	---	---	---	25.0	20.8	22.8	20.9	17.6	19.4
11	17.8	15.4	16.5	23.8	---	---	24.7	21.2	23.1	21.0	17.7	19.2
12	17.2	14.7	16.0	22.2	20.6	21.3	25.7	21.2	23.4	22.3	17.9	19.8
13	---	---	---	22.1	18.5	20.7	25.9	21.2	23.7	22.7	18.7	20.5
14	---	---	---	23.3	19.6	21.3	24.0	21.8	22.7	20.6	18.0	19.1
15	---	---	---	24.0	19.7	21.6	26.0	20.2	23.0	20.0	17.0	18.4
16	---	---	---	22.2	19.9	20.9	26.6	22.2	24.5	20.3	17.0	18.6
17	---	---	---	23.0	20.0	21.5	26.6	22.4	24.6	20.8	17.2	18.9
18	---	---	---	24.4	21.4	22.7	26.8	22.0	24.3	20.3	16.7	18.6
19	---	---	---	23.2	21.4	22.5	27.6	22.8	25.0	20.1	16.8	18.4
20	---	---	---	25.3	21.2	22.9	27.8	23.2	25.1	19.9	16.5	18.2
21	---	---	---	25.4	21.7	23.4	28.0	23.1	25.1	19.8	16.5	18.3
22	---	---	---	25.4	20.8	23.0	28.0	22.7	25.0	19.6	16.3	18.2
23	---	---	---	26.4	21.0	23.5	28.0	22.8	25.2	19.7	16.2	18.1
24	---	---	---	26.8	21.5	24.0	28.0	23.0	25.2	19.4	16.0	17.7
25	---	---	---	26.0	22.2	24.0	27.0	22.1	24.4	19.9	15.7	17.7
26	---	---	---	23.5	21.7	22.3	28.2	22.0	24.8	19.9	15.8	17.8
27	---	---	---	25.5	20.6	23.2	28.8	23.4	25.7	20.3	16.3	18.2
28	---	---	---	25.5	21.8	23.5	26.7	23.6	24.8	20.4	16.5	18.3
29	---	---	---	26.4	21.8	23.9	27.1	22.9	24.7	20.7	16.7	18.4
30	---	---	---	26.4	21.7	24.0	27.1	22.4	24.5	21.0	16.6	18.5
31	---	---	---	25.7	22.7	24.1	26.0	21.9	23.7	---	---	---
Month	---	---	---	---	---	---	28.8	20.2	24.1	25.5	15.7	19.6

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1,650	1,130	1,280	1,190	1,090	1,130	1,620	1,320	1,450	1,700	1,600	1,640
2	2,090	1,650	1,920	1,150	1,100	1,130	1,650	1,400	1,480	1,720	1,630	1,700
3	2,180	2,080	2,130	1,210	1,150	1,190	1,650	1,120	1,370	2,080	1,590	1,730
4	2,220	1,580	2,100	1,250	1,210	1,240	1,400	1,120	1,270	2,080	1,540	1,720
5	1,640	1,400	1,490	1,280	1,240	1,260	1,640	1,140	1,290	1,630	1,480	1,560
6	1,720	1,400	1,560	1,240	1,210	1,230	1,670	1,120	1,280	2,090	1,600	1,930
7	1,730	992	1,520	1,240	1,190	1,230	1,350	1,140	1,230	2,230	2,040	2,140
8	1,130	973	1,030	1,190	1,090	1,180	1,240	1,100	1,160	2,250	1,840	2,140
9	1,400	993	1,190	1,200	1,080	1,130	1,280	1,090	1,190	1,840	1,570	1,720
10	1,570	1,400	1,520	1,280	1,200	1,240	1,380	1,120	1,220	1,620	1,540	1,580
11	1,500	1,460	1,480	1,300	1,270	1,280	1,540	1,170	1,310	1,620	1,500	1,590
12	1,490	1,120	1,290	1,290	1,250	1,280	1,650	1,120	1,330	1,500	1,320	1,440
13	1,160	1,130	1,150	1,250	1,210	1,220	1,590	1,180	1,330	1,320	1,200	1,240
14	1,260	1,160	1,220	1,210	1,190	1,210	1,400	1,190	1,320	1,220	1,140	1,190
15	1,660	1,200	1,310	1,230	1,180	1,210	1,350	1,240	1,290	1,230	1,140	1,200
16	1,910	1,660	1,860	1,230	1,190	1,200	1,590	1,230	1,350	1,390	1,230	1,350
17	1,800	1,660	1,710	1,360	1,230	1,300	1,770	1,220	1,430	1,310	1,050	1,170
18	1,750	1,610	1,670	1,300	1,260	1,280	1,620	1,210	1,400	1,090	1,040	1,070
19	1,740	1,460	1,580	1,300	1,260	1,270	1,590	1,280	1,360	1,140	1,040	1,090
20	1,540	1,510	1,530	1,310	1,260	1,280	1,560	1,250	1,370	1,100	1,030	1,070
21	1,550	1,520	1,530	1,350	1,060	1,280	1,500	1,290	1,360	1,110	1,030	1,070
22	1,520	1,330	1,470	1,460	1,240	1,390	1,330	1,300	1,320	1,140	1,030	1,090
23	1,390	845	1,240	1,680	1,460	1,550	1,420	1,300	1,360	1,190	1,070	1,150
24	1,270	959	1,160	1,660	1,470	1,520	1,360	1,220	1,290	1,300	1,130	1,220
25	1,230	1,110	1,180	1,530	1,490	1,510	1,360	1,230	1,270	1,400	1,180	1,290
26	1,190	1,010	1,100	1,520	1,500	1,520	1,250	1,230	1,240	1,380	1,260	1,320
27	1,100	881	994	1,500	1,360	1,420	1,280	1,170	1,230	1,470	1,270	1,340
28	963	905	926	1,360	1,330	1,350	1,220	1,170	1,190	1,640	1,350	1,430
29	976	853	932	1,420	1,280	1,340	1,250	1,190	1,210	1,640	1,420	1,510
30	1,320	883	1,100	1,930	1,350	1,630	1,330	1,250	1,280	1,680	1,440	1,530
31	1,340	1,190	1,270	---	---	---	1,650	1,330	1,500	1,680	1,410	1,500
Month	2,220	845	1,400	1,930	1,060	1,300	1,770	1,090	1,310	2,250	1,030	1,440

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1,890	1,500	1,640	2,340	1,390	1,690	1,460	1,400	1,440	443	413	424
2	1,890	1,690	1,770	2,060	1,600	1,760	1,460	1,210	1,370	474	427	456
3	1,830	1,630	1,710	1,970	1,590	1,790	1,210	611	901	522	474	503
4	1,930	1,450	1,750	1,980	1,570	1,740	611	444	504	590	522	561
5	1,930	1,450	1,680	1,760	1,610	1,700	444	397	410	606	580	592
6	1,460	1,360	1,420	1,910	1,600	1,750	448	401	423	595	532	566
7	2,220	1,420	1,660	1,900	1,550	1,700	507	448	478	532	449	490
8	2,310	1,680	1,940	1,810	1,490	1,630	534	499	509	458	376	413
9	1,770	1,560	1,660	1,660	1,520	1,580	606	534	578	408	326	367
10	1,790	1,590	1,700	1,750	1,540	1,630	618	571	592	407	381	398
11	1,980	1,600	1,810	1,550	1,450	1,500	635	528	578	438	403	420
12	1,670	1,480	1,620	1,630	1,450	1,530	663	547	606	504	438	465
13	1,700	1,420	1,560	1,620	1,480	1,540	763	663	693	531	456	482
14	1,820	1,240	1,480	1,630	1,540	1,590	773	736	756	550	367	438
15	2,230	1,570	1,830	1,700	1,630	1,670	754	697	733	409	293	322
16	1,670	1,530	1,580	1,660	1,540	1,610	697	613	638	308	268	288
17	1,740	1,510	1,610	1,620	1,460	1,500	677	614	646	307	287	296
18	1,510	1,380	1,410	1,470	1,300	1,380	658	558	618	333	306	317
19	1,380	1,200	1,260	1,340	1,220	1,260	584	465	503	387	333	362
20	1,440	1,160	1,280	1,260	1,130	1,200	509	425	446	403	370	390
21	1,400	1,200	1,270	1,180	1,060	1,130	443	392	412	434	403	418
22	1,400	1,210	1,300	1,060	883	928	435	411	419	435	395	409
23	1,450	1,270	1,350	905	878	896	437	385	410	408	340	361
24	1,470	1,320	1,390	878	863	872	429	401	412	410	344	367
25	1,740	1,470	1,630	919	869	885	493	429	467	432	346	387
26	1,780	1,230	1,500	945	904	924	498	457	475	352	323	336
27	2,590	1,310	1,790	1,050	924	996	466	400	437	363	324	342
28	2,360	1,310	1,670	1,240	1,050	1,140	470	416	429	369	326	351
29	---	---	---	1,330	1,240	1,300	488	440	461	368	316	340
30	---	---	---	1,330	1,270	1,290	464	407	438	361	349	357
31	---	---	---	1,400	1,310	1,350	---	---	---	361	292	317
Month	2,590	1,160	1,580	2,340	863	1,400	1,460	385	593	606	268	404

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	370	308	345	---	---	---	797	679	753	1,490	1,400	1,450
2	374	318	333	---	---	---	887	748	811	1,400	1,300	1,340
3	389	317	351	---	---	---	1,130	753	876	1,400	1,220	1,320
4	378	315	356	---	---	---	813	692	739	1,410	1,240	1,340
5	361	324	347	---	---	---	856	653	764	1,400	1,270	1,370
6	388	322	353	---	---	---	1,400	811	1,080	1,280	1,170	1,200
7	359	319	342	---	---	---	1,380	921	1,120	1,290	1,180	1,240
8	353	326	338	---	---	---	1,030	914	956	1,570	1,280	1,410
9	343	300	328	---	---	---	1,240	993	1,100	1,990	1,370	1,680
10	368	300	335	---	---	---	1,590	1,170	1,340	1,870	1,420	1,590
11	389	326	365	---	---	---	1,630	1,450	1,570	1,800	1,290	1,460
12	359	309	333	612	464	534	1,460	1,310	1,360	1,600	1,100	1,230
13	---	---	---	765	420	525	1,450	1,340	1,390	1,500	1,000	1,140
14	---	---	---	603	448	548	1,430	1,370	1,400	1,600	805	1,140
15	---	---	---	689	543	581	1,440	1,240	1,360	1,180	971	1,090
16	---	---	---	700	543	583	1,880	1,280	1,450	1,160	900	1,060
17	---	---	---	648	450	595	1,290	1,220	1,250	1,220	800	1,030
18	---	---	---	677	528	644	1,490	1,020	1,280	1,530	1,140	1,370
19	---	---	---	826	538	634	1,130	905	983	1,310	809	974
20	---	---	---	945	522	693	1,250	1,120	1,210	1,010	836	944
21	---	---	---	664	488	586	1,360	1,220	1,300	1,270	809	1,020
22	---	---	---	662	553	589	1,400	1,320	1,350	1,280	780	906
23	---	---	---	656	556	606	1,510	1,400	1,450	1,350	1,280	1,320
24	---	---	---	722	649	685	1,680	1,480	1,540	1,350	1,270	1,310
25	---	---	---	753	717	739	1,770	1,680	1,730	1,440	1,350	1,400
26	---	---	---	996	725	785	1,810	1,720	1,770	1,480	1,430	1,450
27	---	---	---	1,100	730	911	1,730	1,470	1,560	1,550	1,440	1,480
28	---	---	---	901	536	727	1,630	1,510	1,590	1,570	1,490	1,530
29	---	---	---	610	502	552	1,600	1,470	1,560	1,510	1,480	1,490
30	---	---	---	673	521	609	1,660	1,550	1,610	1,520	1,490	1,500
31	---	---	---	679	529	604	1,550	1,480	1,510	---	---	---
Month	---	---	---	---	---	---	1,880	653	1,280	1,990	780	1,290

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 2

[CaCO₃, calcium carbonate; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

Date	Discharge, instantaneous, ft ³ /s (00061)	Specific conduc- tance, water, µS/cm at 25 °C (00095)	Tempera- ture, water, °C (00010)	Gage height, ft (00065)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constit- uents, mg/L (70301)	Calcium, water, filtered, mg/L (00915)	Magne- sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)
11-29-2010	157	1,240	1.9	7.09	815	768	93.8	28.9	5.66	109
01-26-2011	155	1,340	.0	--	804	773	80.5	26.9	6.61	141
02-22-2011	209	1,260	4.8	7.12	761	741	72.0	25.3	7.57	140
04-13-2011	554	685	8.8	6.78	415	395	55.5	15.0	4.23	62.7
05-31-2011	2,830	297	13.2	9.93	210	175	37.9	7.56	2.05	9.87
08-02-2011	449	866	24.4	7.64	536	512	74.9	18.8	4.81	69.4
09-19-2011	389	824	18.2	7.61	539	507	77.9	24.9	5.45	49.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 2

[CaCO₃, calcium carbonate; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

Date	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (29801)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)
11-29-2010	171	173	.33	7.51	247
01-26-2011	155	218	.29	7.58	199
02-22-2011	142	223	.26	6.46	181
04-13-2011	121	84.0	.23	7.24	93.9
05-31-2011	89	8.82	.13	6.45	48.6
08-02-2011	112	92.3	.35	7.79	177
09-19-2011	126	56.1	.33	7.45	210