



Water-Data Report 2010

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)
Apr 18	1830	*4,520	*10.98

Minimum daily discharge, 63 ft³/s, Feb 8.

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	74	142	139	e94	e68	e137	e180	1,380	2,150	327	453	133
2	71	147	124	e88	e72	e142	e192	1,180	2,200	309	708	142
3	79	146	e105	e84	e74	e155	e196	1,110	2,020	294	831	136
4	90	146	e92	e83	e72	e158	e190	1,010	1,800	343	983	118
5	133	145	e86	e85	e68	e156	e181	1,200	1,720	320	1,330	109
6	131	145	e92	e84	e72	e160	e183	1,380	1,930	275	951	103
7	141	142	e95	e84	e72	e166	e190	1,450	2,610	246	577	98
8	136	140	e96	e82	e63	e170	e220	1,300	2,760	225	420	96
9	131	140	e93	e80	e70	e172	e255	1,290	2,460	204	372	204
10	131	136	e92	e78	e70	e171	e290	1,320	2,100	196	330	119
11	129	135	e90	e80	e72	e168	e470	1,340	1,810	197	298	119
12	123	135	e88	e81	e74	e160	e840	1,110	1,520	196	307	121
13	116	134	e86	e77	e75	e151	e1,300	1,000	1,400	187	304	118
14	114	145	e86	e71	e68	e160	e1,700	951	1,050	175	275	109
15	118	159	e86	e70	e70	e170	e1,900	887	796	179	248	103
16	131	155	e85	e68	e74	e185	2,590	875	669	172	407	94
17	131	150	e85	e70	e96	e192	3,070	821	600	163	355	89
18	129	137	e84	e75	e112	e190	3,740	915	624	151	498	85
19	131	128	e85	e76	e120	e190	3,480	1,050	617	140	367	79
20	137	140	e86	e77	e133	e188	2,910	1,030	611	130	439	71
21	135	133	e86	e76	e140	e186	2,750	990	583	125	477	70
22	140	129	e87	e76	e142	e180	2,970	1,100	535	128	298	86
23	133	113	e88	e75	e141	e172	2,810	1,290	497	321	240	133
24	134	108	e88	e73	e140	e162	2,350	1,290	455	362	216	132
25	135	103	e88	e72	e140	e163	1,970	1,280	441	270	191	200
26	131	105	e89	e68	e139	e170	1,830	973	426	226	173	188
27	133	97	e90	e65	e145	e161	1,800	1,190	401	208	158	139
28	138	120	e92	e68	e140	e156	1,860	1,710	395	201	147	116
29	141	126	e94	e70	---	e157	1,990	2,020	366	385	147	105
30	156	140	e98	e71	---	e162	1,730	2,180	334	438	143	101
31	146	---	e97	e65	---	e170	---	2,100	---	481	136	---
Total	3,898	4,021	2,872	2,366	2,722	5,180	46,137	38,722	35,880	7,574	12,779	3,516
Mean	126	134	92.6	76.3	97.2	167	1,538	1,249	1,196	244	412	117
Max	156	159	139	94	145	192	3,740	2,180	2,760	481	1,330	204
Min	71	97	84	65	63	137	180	821	334	125	136	70
Ac-ft	7,730	7,980	5,700	4,690	5,400	10,270	91,510	76,810	71,170	15,020	25,350	6,970

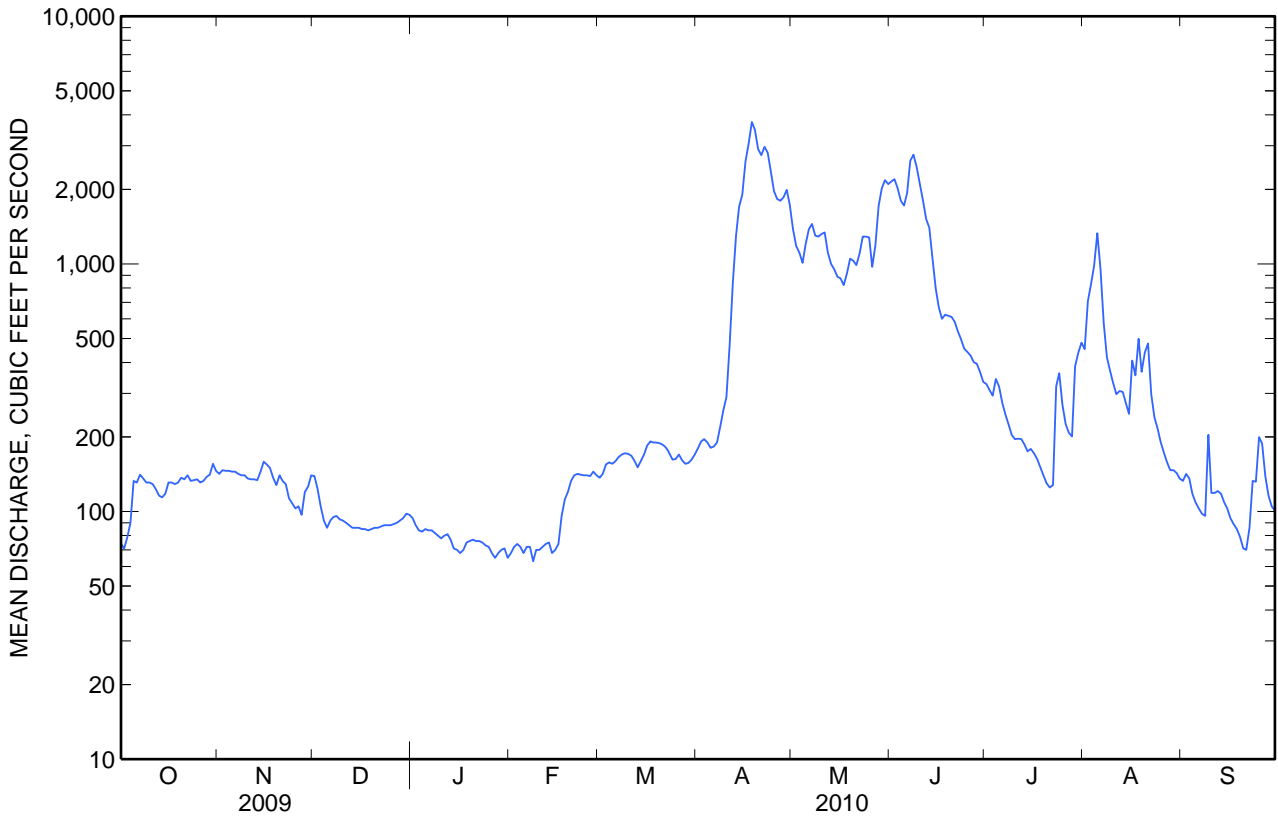
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	252	220	180	160	202	414	1,523	2,349	1,336	446	277	224
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 2009		Water Year 2010		Water Years 1987 - 2010	
Annual total	158,918		165,667			
Annual mean	435		454		633	
Highest annual mean					1,768	1993
Lowest annual mean					107	2002
Highest daily mean	3,360	May 17	3,740	Apr 18	12,900	May 18, 1993
Lowest daily mean	62	Aug 25	63	Feb 8	1.5	Jul 21, 2002
Annual seven-day minimum	67	Aug 20	68	Jan 26	1.7	Jul 16, 2002
Annual runoff (ac-ft)	315,200		328,600		458,700	
10 percent exceeds	1,400		1,380		1,630	
50 percent exceeds	148		147		219	
90 percent exceeds	84		76		107	



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.

Specific conductance records excellent except, Apr 8-12, Aug 1-11, Aug 15-20, Sep 24-29; which are good; Aug 21-25, which are fair; and Apr 13-14, Aug 26-31 which are poor.

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, 30.0°C, July 18; minimum, -0.1°C, on many days.

SPECIFIC CONDUCTANCE: Maximum, 3,160 microsiemens/cm, Dec. 10; minimum, 234 microsiemens/cm, Apr. 19.

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	15.1	10.4	12.6	7.9	5.1	6.2	3.2	---	---	-0.1	-0.1	-0.1
2	14.8	9.5	11.9	8.5	5.8	7.0	2.7	0.8	1.5	-0.1	-0.1	-0.1
3	15.2	10.0	12.3	8.9	6.3	7.4	0.9	-0.1	0.2	-0.1	-0.1	-0.1
4	15.6	12.2	13.6	9.0	6.6	7.6	0.0	-0.1	-0.1	0.0	-0.1	-0.1
5	14.5	11.5	12.9	9.2	6.8	7.8	0.0	-0.1	-0.1	0.0	-0.1	-0.1
6	14.2	10.4	12.0	9.9	7.2	8.5	0.0	-0.1	-0.1	0.0	-0.1	-0.1
7	12.9	10.1	11.2	10.5	8.2	9.2	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
8	13.7	10.6	11.7	9.9	8.3	9.0	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
9	13.5	10.2	11.6	9.6	7.5	8.4	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
10	13.6	10.2	11.7	9.5	7.4	8.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
11	13.2	11.0	11.8	9.8	8.1	8.8	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
12	13.8	10.9	12.2	10.8	9.1	9.8	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
13	14.9	12.1	13.2	9.9	8.7	9.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
14	13.7	12.6	13.1	8.8	6.1	7.9	0.0	-0.1	-0.1	0.0	-0.1	-0.1
15	15.7	11.5	13.2	7.0	4.9	5.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
16	15.1	12.0	13.3	5.8	3.7	4.7	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
17	14.9	11.7	13.1	5.6	3.5	4.4	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
18	14.7	11.8	13.1	5.6	3.4	4.3	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
19	15.8	12.8	14.1	5.7	3.6	4.3	0.0	-0.1	-0.1	0.0	-0.1	-0.1
20	15.0	12.5	13.7	5.3	3.4	4.1	0.0	-0.1	-0.1	0.0	-0.1	-0.1
21	14.0	11.2	12.4	5.5	3.4	4.4	0.0	-0.1	-0.1	0.0	-0.1	-0.1
22	13.1	10.8	11.8	5.6	3.9	4.5	0.0	-0.1	-0.1	0.0	-0.1	-0.1
23	13.2	10.6	11.7	5.1	2.7	3.8	0.0	-0.1	-0.1	0.0	-0.1	-0.1
24	12.7	11.1	11.8	4.0	1.7	2.5	0.0	-0.1	-0.1	0.0	-0.1	-0.1
25	12.7	10.4	11.3	3.7	1.1	2.0	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
26	10.9	8.5	9.6	3.8	1.0	2.0	-0.1	-0.1	-0.1	0.0	-0.1	-0.1
27	9.2	7.1	8.0	4.0	1.0	2.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
28	7.8	6.2	6.7	3.4	1.7	2.6	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
29	6.4	5.3	5.8	4.9	2.7	3.5	0.0	-0.1	-0.1	0.0	-0.1	-0.1
30	6.8	4.5	5.4	3.9	2.2	2.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
31	7.1	4.3	5.5	---	---	---	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Month	15.8	4.3	11.4	10.8	1.0	5.8	3.2	---	---	0.0	-0.1	-0.1

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	-0.1	-0.1	-0.1	6.8	3.2	4.8	11.1	9.0	10.1	11.3	7.8	9.5
2	-0.1	-0.1	-0.1	6.4	4.0	5.2	11.7	7.9	9.7	10.2	8.2	9.3
3	-0.1	-0.1	-0.1	8.1	4.2	6.0	10.5	8.0	9.5	12.1	8.9	10.3
4	0.0	-0.1	-0.1	8.1	4.9	6.4	11.5	8.7	10.3	14.1	10.1	11.8
5	-0.1	-0.1	-0.1	8.5	5.6	6.9	12.4	10.0	11.0	14.9	11.7	13.0
6	-0.1	-0.1	-0.1	8.0	4.8	6.4	10.4	7.7	8.9	14.3	12.0	13.1
7	-0.1	-0.1	-0.1	6.9	5.4	6.2	11.6	6.6	8.9	12.9	9.8	11.4
8	-0.1	-0.1	-0.1	7.4	5.7	6.5	13.5	8.1	10.8	12.6	9.8	11.3
9	0.0	-0.1	-0.1	8.1	5.6	6.6	14.0	9.5	11.8	13.8	10.5	12.1
10	0.0	-0.1	-0.1	7.5	5.7	6.5	14.6	10.8	12.7	14.0	11.1	12.5
11	0.0	-0.1	-0.1	7.8	5.0	6.4	15.0	11.3	13.1	13.3	11.4	12.2
12	0.0	-0.1	-0.1	8.4	4.7	6.6	13.3	11.2	12.2	12.1	10.1	10.9
13	0.0	-0.1	-0.1	8.6	5.4	7.1	11.7	9.2	10.2	12.6	9.8	11.2
14	0.0	-0.1	-0.1	7.4	5.8	6.7	10.2	7.2	8.8	13.2	10.5	11.8
15	0.1	-0.1	0.0	9.3	5.2	7.0	11.7	7.9	9.7	15.0	11.2	12.7
16	1.3	0.1	0.6	10.2	6.3	8.2	11.3	8.4	9.9	16.4	12.1	14.0
17	2.7	1.1	1.7	10.6	7.3	9.1	11.8	8.8	10.1	17.1	13.4	15.1
18	3.4	1.3	2.3	11.2	7.9	9.7	12.1	9.2	10.4	16.1	14.8	15.3
19	2.8	1.9	2.4	10.6	7.4	9.6	12.2	9.3	10.5	16.2	13.8	14.9
20	2.2	1.4	1.7	9.3	5.4	7.4	11.2	9.3	10.2	16.7	13.0	14.8
21	2.8	1.1	1.8	9.9	5.9	8.0	12.1	9.5	10.8	18.0	14.4	16.0
22	3.8	1.0	2.2	11.7	7.3	9.5	11.3	9.3	10.1	16.8	15.3	15.9
23	3.4	0.3	1.6	11.2	8.8	10.0	10.6	8.8	9.7	15.7	13.3	14.6
24	3.0	0.6	1.7	11.2	7.0	9.2	12.1	9.2	10.5	14.6	12.0	13.4
25	4.7	2.0	3.1	10.5	7.3	9.1	12.6	9.3	10.9	15.7	11.5	13.5
26	5.0	2.2	3.3	10.2	8.3	9.1	13.1	9.6	11.3	15.5	12.5	13.9
27	4.1	2.6	3.3	11.3	7.1	9.0	13.2	10.1	11.7	16.7	14.5	15.4
28	6.2	2.5	4.1	12.0	7.3	9.5	13.7	10.6	12.1	18.2	14.5	16.3
29	---	---	---	13.0	8.6	10.7	12.6	9.8	10.9	17.8	14.8	16.2
30	---	---	---	12.4	9.4	11.0	10.2	8.1	9.2	17.0	14.2	15.5
31	---	---	---	13.1	10.2	11.4	---	---	---	17.4	13.5	15.4
Month	6.2	-0.1	1.0	13.1	3.2	7.9	15.0	6.6	10.5	18.2	7.8	13.3

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	17.0	14.1	15.5	23.8	21.7	22.6	24.4	21.4	23.5	23.7	18.2	20.7
2	17.5	14.0	15.6	24.8	20.4	22.3	25.5	23.4	24.3	23.4	18.5	20.8
3	18.2	14.1	16.0	25.1	20.2	22.5	25.8	22.3	23.9	24.7	19.0	21.6
4	19.1	14.9	17.1	22.9	20.6	21.8	24.3	21.4	22.9	24.9	19.2	21.8
5	20.8	16.3	18.4	24.3	19.0	21.2	24.7	21.7	23.0	24.3	19.4	21.6
6	21.5	17.5	19.4	24.7	19.4	22.1	24.0	20.4	22.3	23.1	17.7	20.2
7	20.5	17.9	19.1	24.6	21.1	22.8	22.6	21.1	21.6	20.0	16.1	18.1
8	19.9	17.3	18.5	26.0	20.8	23.0	25.5	20.4	22.5	21.8	16.6	18.5
9	20.2	17.0	18.5	26.1	20.9	23.4	24.8	21.3	22.9	20.1	17.0	18.5
10	19.8	17.1	18.4	26.1	21.3	23.8	24.5	20.1	22.1	20.5	16.5	18.2
11	18.8	16.9	17.9	26.3	21.8	23.8	23.2	20.1	21.5	19.9	14.8	17.0
12	17.8	16.0	16.9	27.0	21.0	24.0	23.8	19.4	21.5	20.3	15.5	17.5
13	16.6	15.0	15.6	26.6	22.7	24.7	24.1	19.9	21.8	22.2	16.6	18.8
14	18.6	14.2	16.2	28.1	22.8	25.4	23.8	19.4	21.6	22.3	17.0	19.3
15	20.8	15.9	18.0	28.8	23.5	26.2	24.3	19.6	22.0	22.7	17.4	19.7
16	21.4	17.4	19.2	28.5	23.5	26.1	23.8	20.7	22.1	22.9	16.8	19.5
17	21.7	16.8	19.1	28.6	23.2	25.8	24.5	17.7	21.2	23.4	16.6	19.5
18	22.9	17.8	20.2	30.0	24.4	26.9	24.1	21.5	22.5	23.4	16.8	19.7
19	22.9	18.3	20.4	28.6	24.7	26.5	23.6	20.6	22.0	23.2	16.3	19.4
20	23.0	18.4	20.5	28.9	25.1	26.6	24.5	20.0	22.0	22.8	17.8	19.9
21	22.8	18.0	20.3	25.2	22.7	23.9	24.7	20.5	22.5	22.7	16.6	19.5
22	22.8	17.8	20.2	27.1	21.2	24.0	23.0	20.2	21.1	20.0	17.1	18.2
23	23.9	18.3	20.9	27.4	22.9	25.0	24.6	20.2	22.2	21.2	16.1	18.1
24	24.1	18.9	21.5	28.1	23.6	25.6	24.4	20.3	22.4	21.3	16.5	18.5
25	22.9	19.6	21.4	28.3	22.9	25.5	25.2	20.1	22.7	19.8	16.7	18.1
26	24.4	20.3	22.1	27.2	23.0	25.2	25.4	20.7	23.2	20.5	16.5	18.6
27	25.4	20.4	22.7	27.4	23.2	25.2	25.2	21.0	23.0	21.6	17.0	19.0
28	26.0	20.8	23.2	27.1	23.2	25.1	22.8	20.1	21.6	22.0	17.1	19.0
29	25.7	21.0	23.2	27.1	23.3	24.9	23.0	18.9	20.7	21.5	16.7	18.6
30	25.2	20.9	22.9	28.4	24.3	26.1	23.1	19.1	20.7	21.1	16.1	18.1
31	---	---	---	26.1	20.2	24.1	23.9	19.1	21.1	---	---	---
Month	26.0	14.0	19.3	30.0	19.0	24.4	25.8	17.7	22.2	24.9	14.8	19.2

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1,570	1,540	1,560	1,590	1,530	1,570	2,500	2,100	2,270	2,860	2,340	2,610
2	1,570	1,560	1,570	1,560	1,510	1,540	2,280	1,820	1,950	2,620	2,130	2,340
3	1,680	1,560	1,590	1,510	1,480	1,490	2,390	2,070	2,210	2,620	2,060	2,380
4	1,880	1,680	1,750	1,530	1,480	1,510	2,080	1,800	1,900	2,060	1,610	1,830
5	2,150	1,880	2,080	1,480	1,440	1,450	2,030	1,890	1,970	1,750	1,520	1,630
6	2,530	2,050	2,150	1,470	1,440	1,450	2,000	1,850	1,890	1,890	1,650	1,790
7	2,510	1,620	1,830	1,500	1,470	1,490	2,170	2,000	2,100	1,940	1,760	1,850
8	1,870	1,290	1,570	1,490	1,440	1,460	2,170	2,000	2,080	1,900	1,570	1,670
9	1,420	1,160	1,270	1,480	1,460	1,470	2,290	2,030	2,220	2,170	1,610	1,770
10	1,220	1,110	1,180	1,500	1,460	1,480	3,160	2,260	2,780	2,360	1,990	2,180
11	1,160	1,090	1,110	1,660	1,500	1,600	3,150	2,520	2,710	1,990	1,780	1,840
12	1,280	1,160	1,220	1,690	1,660	1,680	2,590	2,370	2,520	1,820	1,600	1,680
13	1,320	1,280	1,310	1,700	1,680	1,690	2,390	2,330	2,360	1,870	1,560	1,710
14	1,350	1,320	1,340	1,700	1,520	1,650	2,380	1,780	2,100	2,080	1,800	1,950
15	1,420	1,340	1,380	1,690	1,530	1,630	2,350	2,040	2,160	---	---	---
16	1,520	1,420	1,470	1,790	1,690	1,740	2,540	2,120	2,330	---	---	---
17	1,540	1,520	1,540	1,790	1,740	1,760	2,120	1,770	1,900	---	---	---
18	1,590	1,530	1,570	1,740	1,660	1,700	1,890	1,770	1,840	---	---	---
19	1,590	1,470	1,530	1,700	1,660	1,680	1,890	1,710	1,830	---	---	---
20	1,500	1,270	1,450	1,700	1,650	1,680	1,810	1,710	1,760	1,810	1,530	1,620
21	1,460	1,410	1,440	1,680	1,600	1,630	1,940	1,810	1,880	1,900	1,780	1,840
22	1,680	1,460	1,520	1,860	1,680	1,780	2,060	1,940	2,020	1,900	1,600	1,730
23	1,740	1,410	1,540	1,860	1,800	1,820	2,050	1,890	1,980	2,100	1,680	1,840
24	1,560	1,450	1,530	1,820	1,710	1,760	2,120	1,900	2,030	1,920	1,640	1,770
25	1,630	1,510	1,570	1,960	1,730	1,860	2,390	2,070	2,270	1,720	1,560	1,630
26	1,590	1,490	1,520	2,020	1,910	1,960	2,390	2,110	2,270	1,720	1,600	1,660
27	1,550	1,510	1,530	2,220	1,820	1,930	2,110	2,070	2,090	1,780	1,690	1,730
28	1,550	1,500	1,520	2,260	2,120	2,190	---	---	---	1,690	1,390	1,500
29	1,590	1,520	1,550	2,310	2,060	2,190	---	---	---	1,690	1,540	1,590
30	1,600	1,560	1,590	2,380	2,140	2,220	---	---	---	2,290	1,690	2,050
31	1,570	1,510	1,530	---	---	---	---	---	---	2,250	1,870	2,010
Month	2,530	1,090	1,530	2,380	1,440	1,700	---	---	---	---	---	---

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2,020	1,870	1,950	2,050	1,630	1,830	2,530	2,440	2,480	458	368	410
2	2,000	1,820	1,890	2,110	1,700	1,920	2,620	2,410	2,510	506	458	482
3	2,020	1,860	1,920	2,260	1,640	1,950	2,600	2,150	2,410	---	---	---
4	2,140	1,860	1,950	2,230	1,740	1,990	2,150	1,880	1,970	---	---	---
5	2,320	1,890	2,120	2,300	1,810	2,030	1,940	1,670	1,800	572	514	547
6	2,320	1,800	2,050	2,210	1,840	2,040	1,900	1,680	1,800	521	466	488
7	2,290	1,800	2,040	2,100	1,810	1,960	2,090	1,880	1,950	483	431	458
8	2,270	1,750	1,990	2,100	1,760	1,950	2,400	2,090	2,230	506	433	466
9	2,020	1,570	1,770	2,010	1,840	1,910	2,580	2,280	2,460	505	464	490
10	1,950	1,720	1,810	2,070	1,680	1,840	2,540	1,540	2,200	513	459	484
11	1,870	1,630	1,730	1,900	1,780	1,840	1,540	858	1,320	514	454	484
12	1,830	1,670	1,750	1,900	1,690	1,750	858	553	665	522	485	496
13	1,810	1,660	1,740	1,840	1,740	1,800	586	444	511	595	522	555
14	1,850	1,590	1,740	1,890	1,670	1,770	452	286	311	589	570	576
15	1,850	1,740	1,790	2,180	1,890	2,070	---	---	---	636	589	604
16	1,980	1,730	1,820	2,160	1,800	1,990	354	291	309	638	616	628
17	2,010	1,750	1,880	2,050	1,740	1,890	296	251	273	650	623	634
18	1,920	1,690	1,800	2,000	1,750	1,890	295	246	261	670	637	653
19	1,930	1,660	1,770	2,020	1,740	1,880	286	234	252	656	588	625
20	2,010	1,540	1,800	2,120	1,880	2,020	293	238	265	595	557	576
21	1,920	1,500	1,700	2,260	2,020	2,160	299	261	271	601	563	584
22	1,890	1,640	1,760	2,300	2,090	2,200	315	258	271	582	544	558
23	1,960	1,740	1,840	2,210	1,960	2,060	300	258	278	551	484	515
24	1,940	1,750	1,840	2,360	1,930	2,120	303	273	291	498	463	480
25	1,790	1,640	1,730	2,370	2,180	2,260	323	300	310	481	418	448
26	1,960	1,700	1,880	2,470	2,190	2,290	343	319	327	474	418	450
27	2,140	1,770	1,890	2,470	2,200	2,290	377	336	349	745	474	515
28	2,280	1,820	2,050	2,320	2,190	2,260	392	326	346	754	365	457
29	---	---	---	2,460	2,290	2,380	378	316	335	365	312	332
30	---	---	---	2,800	2,410	2,690	373	331	354	313	285	294
31	---	---	---	2,740	2,520	2,670	---	---	---	300	290	294
Month	2,320	1,500	1,860	2,800	1,630	2,050	---	---	---	---	---	---

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	312	270	301	975	930	951	2,120	773	1,850	1,770	1,560	1,710
2	312	262	299	990	955	970	1,780	1,730	1,750	1,760	1,460	1,600
3	314	286	303	1,010	978	993	1,730	1,480	1,630	1,890	1,740	1,820
4	328	314	321	1,040	996	1,010	1,480	1,150	1,300	1,740	1,450	1,540
5	330	318	325	1,030	960	1,000	1,150	1,030	1,090	1,700	1,590	1,620
6	318	292	304	960	890	921	1,310	1,060	1,160	1,730	1,330	1,530
7	304	280	292	970	928	945	1,400	1,270	1,380	1,440	1,330	1,400
8	291	269	279	1,040	970	1,010	1,350	1,210	1,280	1,600	1,420	1,480
9	291	276	281	1,190	1,040	1,110	1,210	1,120	1,160	2,040	1,600	1,790
10	291	275	282	1,420	1,190	1,280	1,120	1,080	1,090	2,760	1,600	2,300
11	296	280	287	1,310	1,230	1,270	1,300	1,090	1,140	1,940	924	1,400
12	328	296	312	1,370	1,270	1,310	1,180	1,070	1,130	2,110	1,940	2,080
13	373	328	354	1,360	1,270	1,300	1,090	1,040	1,070	2,020	1,880	1,920
14	448	373	409	1,340	1,310	1,330	1,170	878	1,020	1,910	1,680	1,800
15	506	448	474	1,360	1,260	1,310	1,150	974	1,040	1,720	1,490	1,630
16	587	506	552	1,380	1,330	1,350	1,120	886	1,020	1,640	1,490	1,580
17	646	582	611	1,370	1,340	1,360	1,140	1,100	1,110	1,620	1,470	1,530
18	698	646	674	1,350	1,340	1,350	1,170	1,120	1,150	1,600	1,500	1,550
19	683	646	662	1,400	1,350	1,380	1,170	1,030	1,150	1,720	1,600	1,660
20	698	654	666	1,460	1,380	1,410	1,060	1,030	1,040	1,700	1,650	1,670
21	712	672	689	1,470	1,440	1,450	1,060	1,040	1,050	1,790	1,690	1,740
22	744	697	717	1,550	1,450	1,500	1,040	1,020	1,030	1,880	678	1,740
23	790	744	777	1,770	1,550	1,660	1,070	1,030	1,050	1,890	996	1,440
24	838	790	820	1,700	1,120	1,460	1,090	1,060	1,080	2,230	1,370	1,980
25	889	822	859	1,120	743	844	1,150	1,090	1,120	2,550	1,920	2,340
26	922	855	887	798	745	771	1,250	1,150	1,200	2,390	1,190	1,600
27	939	865	903	965	798	888	1,320	1,250	1,280	1,550	1,200	1,290
28	976	881	926	1,090	956	996	1,400	1,320	1,360	1,200	1,060	1,150
29	955	908	929	1,590	1,090	1,310	1,490	1,400	1,440	1,060	959	986
30	941	903	923	1,840	815	1,310	1,610	1,490	1,540	1,130	959	1,040
31	---	---	---	945	687	825	1,690	1,610	1,660	---	---	---
Month	976	262	547	1,840	687	1,180	2,120	773	1,240	2,760	678	1,630

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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)	pH, water, unfiltered, field, standard units (00400)	Specific conduc- tance, water, unfiltered, 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 constituen ts, milligrams per liter (70301)	Calcium, water, filtered, mg/L (00915)	Magne- sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)
11-17-2009	150	8.2	1,780	4.6	7.10	1,050	993	91.7	28.9	10.6
03-19-2010	209	--	2,050	9.6	7.32	1,240	--	84.0	39.6	13.3
04-23-2010	2,880	--	297	9.9	9.96	176	168	32.1	6.86	2.39
05-06-2010	1,430	--	458	13.4	8.76	275	255	39.3	8.73	3.10
06-24-2010	481	--	831	20.8	7.85	477	476	61.1	15.6	4.98
07-23-2010	418	--	1,760	24.0	7.75	1,030	979	91.3	29.1	10.6
08-11-2010	294	--	1,300	22.5	7.52	970	898	168	29.4	6.36
09-29-2010	105	--	990	21.4	6.98	633	604	83.1	25.6	6.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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)	Sodium, water, filtered, mg/L (00930)	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)
11-17-2009	210	149	341	.29	4.24	217
03-19-2010	227	--	380	.35	6.51	273
04-23-2010	15.7	75	17.7	.12	7.20	40.9
05-06-2010	37.1	94	49.8	.16	7.31	53.1
06-24-2010	83.9	101	123	.23	5.04	122
07-23-2010	209	139	336	.40	2.74	217
08-11-2010	59.9	122	60.8	.42	8.59	492
09-29-2010	78.9	154	106	.34	4.36	208