

## 10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°39'51", long 111°53'53", in SW<sup>1/4</sup>NW<sup>1/4</sup>NE<sup>1/4</sup> sec. 12, T. 2 S., R. 1 W., Salt Lake County, on right bank 10 ft upstream from 300 W. bridge, and 3000 ft upstream from mouth.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981, October 1, 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,255 ft above NGVD of 1929, from topographic map. Records previous to October 1998 published by the U.S.G.S. from water stage recorder at site approximately 1000 feet downstream at different datum. Additional discharge records available from Salt Lake County Engineering.

REMARKS.--Record good, except for June 6 through July 7, which is fair. Flow regulated. Diversions for irrigation and return flow from irrigation canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 527 ft<sup>3</sup>/s, May 30, 2003, gage height 4.25 ft; minimum daily discharge, 0.35 ft<sup>3</sup>/s, Nov 5, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 527 ft<sup>3</sup>/s, May 30, gage height, 4.25 ft; minimum daily discharge, 0.59 ft<sup>3</sup>/s, Jan 7, Mar 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	0.69	0.77	1.9	1.2	3.4	1.4	16	309	6.6	6.6	15
2	17	0.74	0.80	0.83	19	1.2	1.8	3.3	269	5.9	6.8	12
3	7.7	0.75	0.81	0.64	4.1	0.65	12	8.6	217	5.2	8.2	6.3
4	6.9	0.67	0.70	0.64	6.1	3.3	3.6	31	160	4.9	8.9	10
5	8.0	1.4	0.66	0.84	3.3	1.5	9.6	13	162	5.5	10	12
6	8.8	0.81	0.76	0.74	1.5	0.73	9.2	4.1	122	5.5	10	11
7	8.1	2.1	0.76	0.59	1.4	0.61	10	57	102	5.5	13	13
8	6.9	4.9	0.78	0.64	1.4	1.8	2.9	17	99	5.5	13	14
9	7.1	3.4	0.80	0.67	1.4	0.90	1.8	22	81	4.7	12	10
10	6.5	4.9	0.77	0.74	1.3	0.59	1.6	36	72	4.3	12	35
11	6.2	3.4	0.84	0.84	1.3	1.1	1.9	12	86	5.5	10	13
12	8.5	1.3	0.84	0.87	1.5	0.91	2.8	11	86	5.8	4.7	16
13	6.7	1.1	0.85	0.82	1.9	0.88	3.8	12	36	6.8	3.7	9.2
14	7.7	1.1	0.80	0.77	4.5	1.2	5.1	17	15	6.4	5.5	5.5
15	10	0.97	0.94	0.78	2.0	1.2	33	50	15	5.3	7.1	8.2
16	13	1.4	1.1	0.86	2.2	27	15	109	14	5.7	6.4	8.1
17	2.5	1.6	3.2	0.87	2.1	2.1	11	148	9.9	6.0	6.5	8.0
18	1.2	1.7	2.0	0.90	1.5	5.8	36	140	8.7	7.2	7.5	1.4
19	1.4	1.6	0.98	0.89	1.5	2.1	12	130	11	6.8	9.9	4.3
20	1.2	3.8	1.2	0.94	1.4	0.96	6.0	114	11	7.7	13	8.4
21	1.1	1.3	0.93	0.94	1.2	0.84	4.2	111	18	8.5	18	9.0
22	5.2	0.94	0.85	0.95	1.3	1.0	7.0	136	21	7.3	29	6.5
23	4.4	0.84	0.81	0.91	1.5	1.2	4.5	179	82	13	16	9.8
24	4.3	3.7	0.83	0.97	1.4	1.2	3.8	202	70	22	13	8.6
25	0.96	3.1	0.85	1.0	2.5	1.2	2.6	190	38	29	12	4.4
26	0.62	0.97	0.87	1.1	1.7	13	3.6	269	26	15	9.8	3.5
27	0.92	0.96	0.81	1.9	1.2	5.0	2.6	311	25	8.3	6.3	3.8
28	1.3	1.5	0.78	26	0.95	2.8	2.2	315	15	11	8.4	3.8
29	1.2	0.83	0.78	2.0	---	1.6	2.1	377	13	11	12	2.4
30	0.90	0.81	0.97	1.5	---	1.5	2.4	406	11	7.0	7.9	3.0
31	0.91	---	3.4	1.3	---	1.4	---	368	---	5.7	9.3	---
TOTAL	192.21	53.28	32.24	55.34	72.35	88.67	215.5	3,815.0	2,204.6	254.6	316.5	275.2
MEAN	6.20	1.78	1.04	1.79	2.58	2.86	7.18	123	73.5	8.21	10.2	9.17
MAX	35	4.9	3.4	26	19	27	36	406	309	29	29	35
MIN	0.62	0.67	0.66	0.59	0.95	0.59	1.4	3.3	8.7	4.3	3.7	1.4
AC-FT	381	106	64	110	144	176	427	7,570	4,370	505	628	546

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

MEAN	12.4	4.56	3.17	3.37	3.76	5.67	16.0	122	94.8	17.4	12.3	10.4
MAX	29.8	8.81	4.61	6.98	5.90	9.51	27.6	148	243	55.3	21.5	13.3
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(2001)	(1999)	(1999)	(2001)	(2002)
MIN	5.82	1.78	1.04	1.56	2.12	2.86	7.18	84.0	35.4	6.88	8.64	8.42
(WY)	(2000)	(2003)	(2003)	(2002)	(2002)	(2003)	(2003)	(2002)	(2001)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1999 - 2003
ANNUAL TOTAL	6,352.43	7,575.49	
ANNUAL MEAN	17.4	20.8	25.6
HIGHEST ANNUAL MEAN			45.2
LOWEST ANNUAL MEAN			18.4
HIGHEST DAILY MEAN	269	Jun 2	416
LOWEST DAILY MEAN	0.62	Oct 26	May 16, 2001
ANNUAL SEVEN-DAY MINIMUM	0.75	Dec 4	0.35
ANNUAL RUNOFF (AC-FT)	12,600	15,030	0.68
10 PERCENT EXCEEDS	38	35	Jan 3, 2003
50 PERCENT EXCEEDS	4.4	4.4	5.9
90 PERCENT EXCEEDS	0.94	0.83	1.4