

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

LOCATION.--Lat 40°39'51", long 111°53'53", in SW¹/4 NW¹/4 NE¹/4 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.--Records fair except for estimated daily discharges, which are poor. Flow regulated. Diversions for irrigation and return flow from irrigation canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 522 ft³/s, May 16, 2001, gage height 4.16 ft; minimum daily discharge, 0.35 ft³/s, Nov 5, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 361 ft³/s, May 31, gage height, 3.33 ft; minimum daily discharge, 0.35 ft³/s, Nov 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	4.6	3.0	1.6	1.6	1.6	2.0	18	267	16	9.6	11
2	11	2.1	12	1.7	1.6	1.7	1.9	15	269	5.9	8.3	12
3	9.1	0.86	16	1.2	1.6	1.5	1.9	28	204	2.1	8.2	11
4	10	0.58	13	1.4	1.6	1.6	2.0	34	150	2.8	7.1	11
5	11	0.35	6.4	1.5	1.7	1.6	2.8	34	138	4.6	6.1	11
6	12	1.2	12	1.3	1.6	e1.6	5.9	40	161	4.9	6.9	27
7	13	20	21	1.5	1.6	e1.6	5.6	62	182	3.8	7.2	10
8	16	4.0	5.3	1.9	2.6	e7.4	5.1	78	171	3.6	7.3	37
9	33	2.7	3.7	1.7	2.1	2.8	3.5	50	146	3.7	8.5	10
10	18	1.2	3.2	1.5	1.7	1.8	2.0	46	74	5.5	10	16
11	16	1.2	3.4	1.4	1.6	1.5	2.2	56	31	5.6	8.8	14
12	15	2.6	3.2	1.3	1.7	1.2	2.1	44	15	5.9	9.6	13
13	14	0.74	2.7	1.3	1.7	26	1.7	37	23	4.4	8.5	14
14	15	1.0	2.5	1.3	1.7	8.3	1.6	44	22	4.3	8.4	12
15	23	1.1	3.1	1.3	1.7	3.5	18	70	31	6.1	11	8.4
16	7.8	1.2	2.6	1.3	1.8	1.9	42	72	27	4.2	7.8	28
17	3.3	1.3	2.7	1.4	1.9	8.4	31	102	28	6.1	6.5	35
18	2.4	2.6	2.6	1.4	1.9	4.4	17	120	18	7.9	6.6	34
19	1.8	1.5	2.5	1.4	1.8	2.7	14	157	8.2	9.3	7.2	12
20	1.4	1.4	2.5	1.5	8.4	1.9	11	179	5.3	10	15	12
21	1.5	1.4	2.2	1.5	5.4	1.5	5.2	232	4.4	10	13	11
22	0.89	53	2.0	2.3	2.7	1.8	3.3	172	3.9	10	13	9.4
23	0.63	33	1.9	1.8	1.9	1.5	1.8	117	3.2	8.3	11	8.5
24	1.3	9.2	1.7	1.6	1.4	38	1.8	93	3.1	6.0	9.2	5.4
25	1.6	11	1.6	1.6	1.2	20	1.9	56	3.9	7.8	6.4	4.3
26	1.6	13	1.6	1.6	1.7	7.6	4.8	41	7.8	8.0	9.1	3.2
27	1.8	7.4	1.6	1.8	1.6	3.1	23	38	14	8.3	8.2	3.0
28	2.5	4.1	1.4	1.9	1.6	2.3	12	39	14	10	6.5	4.5
29	2.9	3.3	1.3	2.0	---	2.0	8.9	86	14	9.8	8.3	4.2
30	5.6	4.0	1.4	1.8	---	1.9	12	184	18	10	12	7.2
31	44	---	1.5	1.7	---	1.7	---	260	---	15	9.3	---
TOTAL	311.12	191.63	141.6	48.5	59.4	164.4	248.0	2604	2056.8	219.9	274.6	399.1
MEAN	10.04	6.388	4.568	1.565	2.121	5.303	8.267	84.00	68.56	7.094	8.858	13.30
MAX	44	53	21	2.3	8.4	38	42	260	269	16	15	37
MIN	0.63	0.35	1.3	1.2	1.2	1.2	1.6	15	3.1	2.1	6.1	3.0
AC-FT	617	380	281	96	118	326	492	5170	4080	436	545	792

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	12.12	9.141	7.350	6.722	10.93	32.46	142.4	199.0	76.40	30.88	35.11	
MAX	70.9	53.9	20.3	19.4	12.2	26.1	78.1	303	528	304	124	83.2
(WY)	1984	1983	1987	1984	1987	1983	1986	1984	1983	1983	1982	
MIN	5.82	2.29	2.45	2.28	2.26	3.84	10.1	33.6	31.7	6.88	8.64	8.42
(WY)	2000	2000	2001	2001	2001	2000	1991	1990	1988	2000	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1999 - 2002
ANNUAL TOTAL	8381.25	6719.05	49.80
ANNUAL MEAN	22.96	18.41	117
HIGHEST ANNUAL MEAN			10.2
LOWEST ANNUAL MEAN			2002
HIGHEST DAILY MEAN	416	May 16	898
LOWEST DAILY MEAN	0.35	Nov 5	Jun 1 1984
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 20	0.46 Feb 21 1981
ANNUAL RUNOFF (AC-FT)	16620	13330	1.2 Nov 22 2000
10 PERCENT EXCEEDS	60	39	36080
50 PERCENT EXCEEDS	5.3	5.4	131
90 PERCENT EXCEEDS	1.4	1.5	13
			4.1

e Estimated