

JORDAN RIVER BASIN

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

LOCATION.--Lat 40°39'51", long 111°53'53", in SW^{1/4}NW^{1/4}NE^{1/4} 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.--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 ft³/s, May 30, 2003, gage height 4.25 ft; minimum daily discharge, 0.35 ft³/s, Nov 5, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 292 ft³/s, May 29, gage height, 2.91 ft; minimum daily discharge, 0.90 ft³/s, Nov 6, 19, gage height, 0.19 ft.

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	7.9	2.8	2.4	3.9	1.4	7.5	2.8	11	20	6.0	6.2	3.4
2	4.8	1.2	2.7	7.9	1.2	5.2	3.8	22	25	7.6	9.3	4.9
3	1.4	8.5	2.8	4.2	2.0	4.1	9.0	22	66	6.3	12	8.3
4	5.1	3.3	2.5	2.7	2.8	4.1	13	30	133	7.6	10	1.9
5	5.6	1.3	2.4	2.1	3.0	6.7	12	74	156	8.9	7.4	3.4
6	5.4	0.90	2.5	1.8	1.7	13	16	110	163	6.5	6.2	5.4
7	4.7	1.1	14	1.8	1.5	4.4	32	102	162	6.2	6.6	5.2
8	4.3	1.5	8.4	1.6	2.6	3.6	53	97	169	4.9	7.6	4.1
9	4.7	5.1	2.9	1.6	1.9	3.4	35	77	163	5.1	7.3	3.6
10	6.2	4.0	1.9	1.5	1.3	3.2	29	95	162	4.4	7.2	4.3
11	4.7	1.0	1.7	1.4	1.3	2.8	22	114	107	4.2	5.7	4.8
12	2.0	1.0	1.6	1.3	1.1	2.4	19	83	58	3.7	6.8	3.5
13	2.1	5.3	1.6	1.3	0.99	2.4	17	47	31	5.1	7.6	5.1
14	3.4	1.2	2.4	1.1	0.97	2.2	9.8	26	23	3.3	8.3	3.6
15	2.4	1.7	6.8	1.1	0.95	2.2	4.8	21	39	10	8.0	1.8
16	1.2	5.8	3.0	1.1	0.96	2.7	3.9	25	30	6.3	7.8	2.3
17	0.91	e11	1.8	1.1	1.1	2.4	3.2	20	34	13	6.2	5.4
18	0.91	1.4	1.6	1.1	3.0	1.9	56	29	38	11	5.3	3.6
19	1.0	0.90	1.6	1.1	13	2.2	10	46	37	12	8.0	12
20	1.2	1.0	1.1	1.1	2.8	2.2	8.3	60	28	9.1	8.5	21
21	1.3	1.5	9.9	1.1	2.0	2.2	34	55	27	8.1	9.5	5.1
22	1.5	1.5	7.7	1.1	1.9	2.5	16	58	15	7.8	8.5	6.5
23	1.8	1.4	2.7	1.0	2.9	2.3	6.8	48	6.9	6.1	9.4	5.4
24	2.1	1.5	1.6	1.1	2.8	2.5	7.4	38	4.2	5.5	9.5	4.9
25	2.2	1.8	26	1.1	3.6	4.7	7.1	32	4.3	5.8	8.7	e3.8
26	1.6	3.2	9.1	1.1	25	69	6.5	28	12	7.1	8.8	e2.0
27	1.9	3.0	6.5	1.1	15	11	9.4	34	12	6.0	5.3	2.0
28	2.6	2.6	4.8	1.2	18	6.5	13	66	5.0	4.8	4.9	2.9
29	4.4	2.3	3.2	1.5	12	5.0	17	133	7.2	6.6	9.0	2.1
30	9.5	2.5	3.5	2.5	---	8.8	15	74	8.4	6.8	7.8	3.3
31	3.0	---	3.7	2.4	---	6.4	---	33	---	6.3	5.4	---
TOTAL	101.82	81.30	144.4	56.0	128.77	199.5	491.8	1,710	1,746.0	212.1	238.8	145.6
MEAN	3.28	2.71	4.66	1.81	4.44	6.44	16.4	55.2	58.2	6.84	7.70	4.85
MAX	9.5	11	26	7.9	25	69	56	133	169	13	12	21
MIN	0.91	0.90	1.1	1.0	0.95	1.9	2.8	11	4.2	3.3	4.9	1.8
AC-FT	202	161	286	111	255	396	975	3,390	3,460	421	474	289

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	10.8	4.25	3.42	3.11	3.87	5.80	16.1	111	88.7	15.6	11.5	9.50
(WY)	29.8	8.81	4.66	6.98	5.90	9.51	27.6	148	243	55.3	21.5	13.3
(1999)	(1999)	(2004)	(1999)	(1999)	(1999)	(1999)	(2001)	(1999)	(1999)	(2001)	(2002)	
MIN	3.28	1.78	1.04	1.56	2.12	2.86	7.18	55.2	35.4	6.84	7.70	4.85
(WY)	(2004)	(2003)	(2003)	(2002)	(2002)	(2003)	(2003)	(2004)	(2001)	(2004)	(2004)	

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1999 - 2004
ANNUAL TOTAL	7,625.28	5,256.09	
ANNUAL MEAN	20.9	14.4	23.7
HIGHEST ANNUAL MEAN			45.2
LOWEST ANNUAL MEAN			14.4
HIGHEST DAILY MEAN	406	May 30	416 May 16, 2001
LOWEST DAILY MEAN	0.59	Jan 7	0.35 Nov 5, 2001
ANNUAL SEVEN-DAY MINIMUM	0.68	Jan 3	0.68 Jan 3, 2003
ANNUAL RUNOFF (AC-FT)	15,120	10,430	17,180
10 PERCENT EXCEEDS	35	34	58
50 PERCENT EXCEEDS	4.7	5.0	5.7
90 PERCENT EXCEEDS	0.97	1.3	1.4

e Estimated