

## JORDAN RIVER BASIN

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## 10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--Lat 40°24'19", long 112°05'59", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 7, T. 5 S., R. 2 W., Utah County, Hydrologic Unit 16020201, on right bank 100 ft upstream from a right bank diversion, 540 ft downstream from 6 ft culvert, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,620 ft above NGVD of 1929, from topographic map. Prior to July 21, 1993 at site 700 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,660 ft<sup>3</sup>/s, Aug 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.01 ft<sup>3</sup>/s, Apr 20, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.4 ft<sup>3</sup>/s, Aug 18, gage height, 2.59 ft; minimum daily discharge, 0.05 ft<sup>3</sup>/s, Nov 22, Feb 14, 15, 19, 20.

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	0.12	0.20	e0.10	e0.20	e0.19	e0.08	0.07	3.3	4.9	3.4	e1.0	0.66
2	0.13	0.19	e0.09	e0.19	e0.17	e0.08	0.07	3.5	4.6	3.4	e1.0	0.69
3	0.13	0.21	e0.09	e0.18	e0.14	0.08	0.07	4.0	5.3	e3.2	e0.99	0.77
4	0.12	0.20	e0.08	e0.18	e0.10	0.07	0.07	4.7	6.3	e3.1	e0.97	0.86
5	0.12	0.19	e0.09	e0.17	e0.10	0.07	0.07	6.2	6.9	e3.0	e0.97	0.87
6	0.12	0.18	e0.10	e0.17	e0.11	0.08	0.07	6.7	6.8	e3.0	e0.96	0.78
7	0.12	0.17	e0.08	e0.16	e0.11	0.08	0.73	6.6	7.1	e2.8	e0.96	0.76
8	0.13	e0.15	e0.08	e0.17	e0.10	0.09	2.8	6.1	6.7	e2.6	e0.96	0.72
9	0.14	0.15	e0.08	e0.17	e0.09	0.09	3.0	6.9	6.4	e2.4	e0.95	0.64
10	0.13	0.14	e0.08	e0.18	e0.09	0.09	3.2	7.2	6.0	e2.1	e0.92	0.62
11	0.15	0.12	e0.09	e0.18	e0.08	0.08	3.2	7.5	4.9	e1.9	e0.92	0.64
12	0.15	0.12	e0.10	e0.18	e0.07	0.08	3.1	7.2	4.1	e1.8	e0.90	0.71
13	0.15	0.14	e0.14	e0.18	e0.06	0.08	3.2	7.0	3.7	e1.7	e0.90	0.84
14	0.16	0.10	e0.17	e0.18	e0.05	0.07	3.1	6.7	3.8	e1.6	e0.90	0.77
15	0.17	0.09	e0.15	e0.18	e0.05	0.07	3.3	6.2	4.0	e1.6	e0.88	0.71
16	0.18	0.12	e0.10	e0.17	e0.06	0.07	3.2	6.0	4.0	e2.0	e0.88	0.63
17	0.18	0.11	e0.10	e0.16	0.07	0.07	3.2	6.0	4.0	e2.9	e0.90	0.73
18	0.18	0.09	e0.12	e0.16	0.07	0.07	3.3	6.4	3.9	e2.0	e2.6	0.68
19	0.18	0.09	e0.13	e0.16	0.05	0.07	e3.4	6.4	4.1	e1.6	e1.1	0.57
20	0.19	0.09	e0.14	e0.15	0.05	0.06	e3.0	6.8	4.1	e2.1	1.1	0.23
21	0.19	0.08	e0.16	e0.15	e0.06	0.06	e2.7	6.8	4.0	e1.4	0.93	0.24
22	0.18	e0.05	e0.14	e0.15	e0.07	0.05	3.5	6.6	3.7	e1.3	0.82	0.22
23	0.19	e0.06	e0.13	e0.15	e0.08	0.05	3.0	6.4	3.6	e1.2	0.85	0.22
24	0.22	e0.08	e0.13	e0.16	0.08	0.06	2.9	6.4	3.6	e1.1	0.83	0.20
25	0.22	0.12	e0.13	e0.16	0.08	0.06	2.8	6.2	3.6	e1.1	0.82	0.20
26	0.20	0.14	e0.13	e0.16	e0.08	0.08	2.7	5.7	3.8	e1.1	0.81	0.17
27	0.22	0.16	e0.12	e0.16	e0.07	0.07	2.9	5.3	4.1	e1.0	0.74	0.20
28	0.19	e0.10	e0.11	e0.17	e0.07	0.07	3.1	5.8	3.9	e1.0	0.74	0.24
29	e0.21	e0.10	e0.15	e0.17	e0.08	0.06	3.3	6.4	3.8	e1.2	0.71	0.29
30	0.24	e0.10	e0.19	e0.18	---	0.06	3.2	5.8	3.5	e1.2	0.68	0.34
31	0.23	---	e0.21	e0.20	---	0.06	---	5.4	---	e1.1	0.69	---
TOTAL	5.24	3.84	3.71	5.28	2.48	2.21	72.25	188.2	139.2	60.9	29.38	16.20
MEAN	0.17	0.13	0.12	0.17	0.09	0.07	2.41	6.07	4.64	1.96	0.95	0.54
MAX	0.24	0.21	0.21	0.20	0.19	0.09	3.5	7.5	7.1	3.4	2.6	0.87
MIN	0.12	0.05	0.08	0.15	0.05	0.05	0.07	3.3	3.5	1.0	0.68	0.17
AC-FT	10	7.6	7.4	10	4.9	4.4	143	373	276	121	58	32

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987- 2004, BY WATER YEAR (WY)

MEAN	1.26	1.06	0.71	0.57	0.54	1.00	4.05	12.9	10.9	4.82	2.51	1.44
(WY)	(1996)	(1996)	(1996)	(1999)	(1987)	(1996)	(1969)	(1973)	(1995)	(1975)	(1975)	(1975)
MAX	4.16	3.40	2.05	1.53	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47
(WY)	(1993)	(2004)	(1993)	(1991)	(1991)	(2004)	(2003)	(2003)	(1992)	(1992)	(1992)	(2003)
MIN	0.17	0.13	0.10	0.06	0.06	0.07	0.08	2.35	1.63	0.66	0.26	0.18

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1966-75 1987- 2004
ANNUAL TOTAL	203.39	528.89	
ANNUAL MEAN	0.56	1.45	3.50
HIGHEST ANNUAL MEAN			8.65 1973
LOWEST ANNUAL MEAN			0.60 2003
HIGHEST DAILY MEAN	7.0 May 27	7.5 May 11	85 May 20, 1973
LOWEST DAILY MEAN	0.03 Apr 20	0.05 Nov 22	0.03 Oct 2, 1992
ANNUAL SEVEN-DAY MINIMUM	0.05 Apr 20	0.06 Feb 14	0.05 Apr 20, 2003
ANNUAL RUNOFF (AC-FT)	403	1,050	2,530
10 PERCENT EXCEEDS	1.3	4.9	9.9
50 PERCENT EXCEEDS	0.18	0.20	1.1
90 PERCENT EXCEEDS	0.08	0.07	0.19

e Estimated

