10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--Lat 40°24'19", long 112°05'59", in NW$^1/_4$NE$^1/_4$NE$^1/_4$ 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^2.

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^3/s, Aug 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.02 ft^3/s, Jan 17, 22, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8.3 ft^3/s, May 20, gage height, 2.95 ft; minimum daily discharge, 0.08 ft^3/s, Mar 29, Apr 24, 25, 26.

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	e0.50	0.34	e0.27	0.23	e0.19	e0.30	0.10	0.11	7.7	1.5	e1.0	0.40
2	e0.45	0.30	e0.26	0.23	e0.20	e0.26	0.10	0.15	7.5	1.6	e0.90	0.40
3	e0.42	0.32	e0.25	0.23	e0.20	e0.23	0.10	0.21	7.0	1.4	0.79	0.41
4	e0.39	0.32	0.25	0.23	e0.21	0.22	0.10	0.25	6.7	1.3	0.74	0.40
5	e0.35	0.31	e0.25	0.26	e0.22	0.19	0.10	0.39	6.1	1.2	0.67	0.42
6	e0.33	0.32	0.25	0.23	e0.23	0.13	0.10	0.52	5.9	1.2	e0.65	0.57
7	e0.32	0.40	e0.26	0.22	e0.24	0.11	0.09	0.63	6.0	1.1	e0.64	e0.47
8	e0.31	0.34	e0.27	0.23	e0.23	e0.09	0.10	1.3	5.9	1.3	e0.60	e0.44
9	e0.30	0.32	e0.27	0.22	e0.22	e0.10	0.10	2.5	5.6	1.6	e0.60	e0.41
10	0.30	0.32	e0.28	e0.21	e0.22	0.10	0.09	2.0	4.9	2.0	e0.58	e0.40
11	0.32	0.31	e0.28	e0.20	e0.22	0.10	0.10	e3.8	4.1	1.1	e0.57	e0.38
12	0.31	0.32	0.28	e0.19	e0.23	0.09	0.11	e3.8	3.7	1.8	0.57	e0.38
13	0.30	0.31	0.32	e0.18	e0.26	e0.11	0.11	e4.1	3.5	1.7	0.59	e0.36
14	0.26	0.31	0.31	e0.18	e0.27	e0.10	e0.10	e4.1	3.3	1.9	0.57	0.38
15	0.26	0.31	0.30	e0.17	e0.28	e0.10	e0.10	e3.9	3.2	1.3	0.59	0.34
16	0.26	0.31	0.28	e0.16	e0.29	e0.10	e0.09	e4.1	3.1	1.4	0.59	0.36
17	0.26	0.31	0.30	e0.16	e0.30	e0.11	e0.09	4.7	2.8	2.9	0.45	0.36
18	0.26	0.33	0.29	e0.16	e0.32	e0.11	e0.09	6.7	2.5	4.2	0.42	0.48
19	0.26	0.32	0.28	e0.17	e0.33	e0.12	e0.09	e7.8	2.5	e4.0	0.41	0.33
20	0.26	0.31	0.28	e0.18	e0.33	e0.12	e0.10	e8.3	2.7	2.9	0.44	0.31
21	0.27	0.33	0.27	e0.19	e0.34	0.12	e0.10	6.9	2.6	1.7	0.42	0.30
22	0.28	0.42	0.27	e0.19	e0.35	0.12	e0.09	5.9	3.0	1.6	0.43	0.28
23	0.29	0.27	0.27	e0.20	e0.36	0.11	0.09	5.5	3.2	1.6	0.42	0.27
24	0.31	0.26	e0.27	e0.21	e0.35	0.11	0.08	5.1	3.4	e1.6	0.43	0.27
25	0.34	0.37	e0.27	e0.22	e0.34	0.11	0.08	4.6	2.5	e1.7	0.43	0.27
26	0.35	0.27	e0.25	e0.23	e0.33	0.10	0.08	e5.4	e2.0	e1.7	0.43	0.27
27	0.32	e0.27	e0.24	e0.22	e0.34	0.11	0.10	e5.6	e1.6	e1.7	0.44	0.28
28	0.29	e0.28	e0.23	e0.22	e0.33	0.10	0.09	e5.1	1.5	1.7	0.42	0.27
29	0.29	e0.28	e0.23	e0.20	---	0.08	0.09	5.4	1.6	1.5	0.43	0.27
30	0.44	e0.27	e0.23	e0.19	---	0.10	0.09	5.5	1.4	e1.4	0.40	0.28
31	0.44	---	e0.23	e0.18	---	0.10	---	6.7	---	e1.2	0.41	---
TOTAL	10.04	9.45	8.29	6.29	7.73	3.95	2.85	121.06	117.5	54.8	17.03	10.76
MEAN	0.324	0.315	0.267	0.203	0.276	0.127	0.095	3.905	3.917	1.768	0.549	0.359
MAX	0.50	0.42	0.32	0.26	0.36	0.30	0.11	8.3	7.7	4.2	1.0	0.57
MIN	0.26	0.26	0.23	0.16	0.19	0.08	0.08	0.11	1.4	1.1	0.40	0.27
AC-FT	20	19	16	12	15	7.8	5.7	240	233	109	34	21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-2002, BY WATER YEAR (WY)

MEAN	1.338	1.120	0.746	0.599	0.574	1.069	4.268	13.60	11.52	5.091	2.646	1.520
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)	1996	1996	1996	1999	1987	1996	1969	1973	1995	1975	1975	1975
MIN	0.17	0.17	0.10	0.062	0.057	0.11	0.095	3.05	1.63	0.66	0.26	0.21
(WY)	1993	1991	1993	1991	1991	1990	2002	1990	1992	1992	1992	1989

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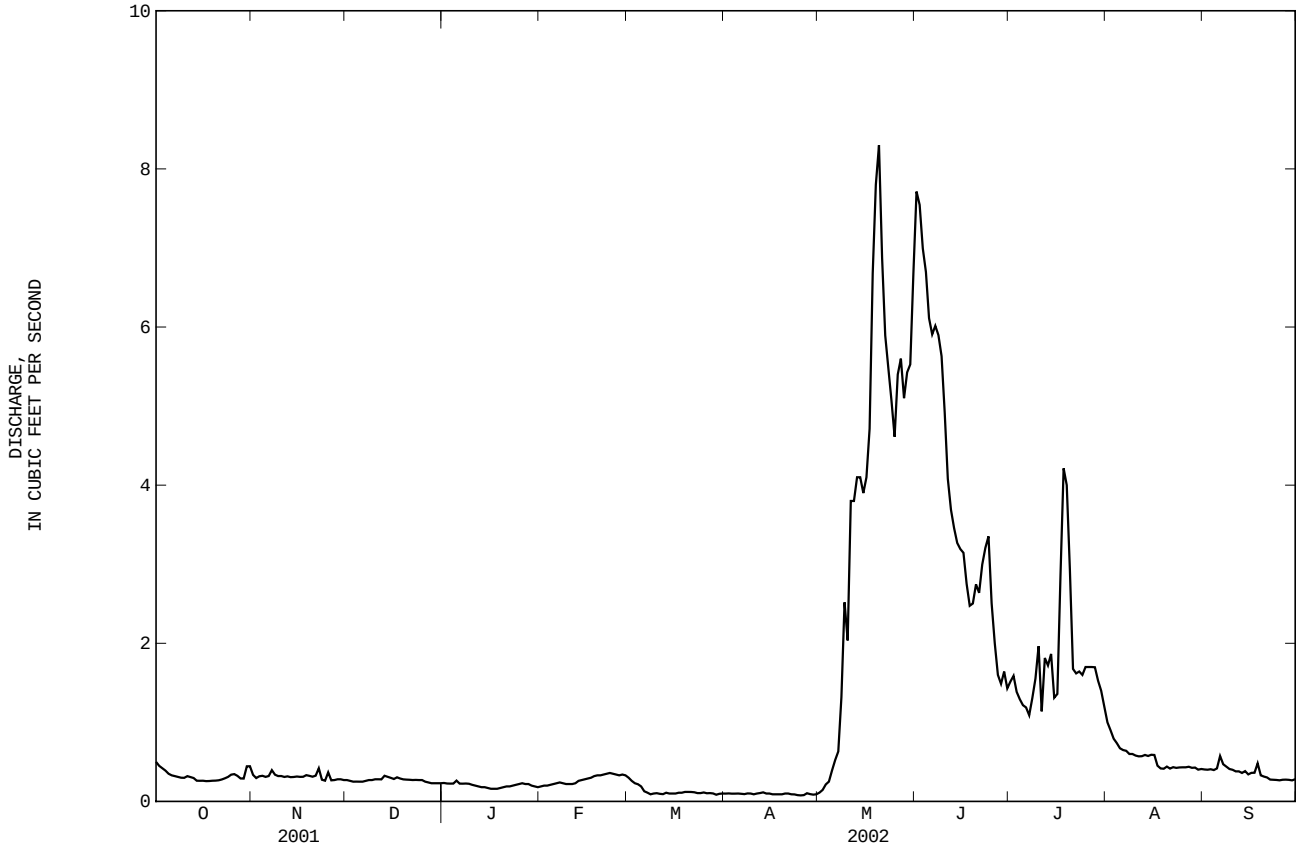
SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1966-75, 1987-2002	
ANNUAL TOTAL	533.46		369.75			
ANNUAL MEAN	1.462		1.013		3.688	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					0.89	1992
HIGHEST DAILY MEAN	13	May 17	8.3	May 20	85	May 20 1973
LOWEST DAILY MEAN	0.19	Mar 15	0.08	Mar 29	0.03	Oct 2 1992
ANNUAL SEVEN-DAY MINIMUM	0.20	Mar 14	0.09	Apr 22	0.05	Jan 17 1991
ANNUAL RUNOFF (AC-FT)	1060		733		2670	
10 PERCENT EXCEEDS	4.3		3.4		11	
50 PERCENT EXCEEDS	0.38		0.31		1.2	
90 PERCENT EXCEEDS	0.26		0.10		0.23	

e Estimated