

WEBER RIVER BASIN

1

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT

LOCATION.--Lat 40°44'07", Long 111°28'31", in SW^{1/4}SE^{1/4}NE^{1/4} sec. 15, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi east of Silver Creek Junction, and 7 mi northeast of Park City.

DRAINAGE AREA.--17.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,470 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70 ft³/s, Mar 31, 2002, gage height, 6.39 ft; minimum daily discharge 0.83 ft³/s, Aug 8, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69 ft³/s, Mar 20, gage height, 6.54 ft; minimum daily discharge, 0.83 ft³/s, Aug 8.

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	1.0	1.2	1.3	e2.0	1.5	1.6	6.4	1.6	3.0	1.6	0.99	1.1
2	1.1	1.2	1.3	e1.8	1.5	1.6	6.4	1.5	2.4	1.6	1.0	1.1
3	1.1	1.3	1.3	1.8	1.5	e1.6	5.4	2.0	2.3	1.6	1.0	1.1
4	1.1	1.2	1.2	1.9	1.4	1.6	4.3	1.6	2.3	1.5	0.98	1.1
5	1.1	1.1	1.3	1.8	1.4	1.5	3.7	1.4	2.3	1.5	1.0	1.1
6	1.3	1.1	1.5	1.8	1.5	1.5	3.9	1.4	2.3	1.4	0.98	1.2
7	1.3	1.1	2.0	1.7	e1.5	1.5	5.3	1.4	2.1	1.4	0.92	1.1
8	1.3	1.1	1.8	1.8	1.6	1.6	8.9	1.5	1.5	1.4	0.83	1.0
9	1.1	1.1	1.7	1.9	1.6	1.8	7.6	1.6	1.5	1.4	0.85	1.1
10	1.1	1.1	1.5	1.9	1.5	2.3	5.0	1.7	1.8	1.5	0.84	1.1
11	1.1	1.1	1.5	1.7	1.5	e2.4	3.6	1.7	2.0	1.4	0.85	1.1
12	1.0	1.1	1.5	1.6	1.5	e2.4	3.1	2.4	2.0	1.4	0.87	1.0
13	1.1	1.1	1.5	1.7	1.5	e2.4	2.7	2.9	1.8	1.3	0.88	1.1
14	1.1	1.1	1.5	1.6	1.5	e2.5	2.4	4.1	2.5	1.4	0.88	1.1
15	1.1	1.1	1.6	1.6	e1.5	e2.6	2.2	4.2	2.3	1.3	0.91	1.1
16	1.2	1.1	1.5	1.6	e1.4	2.7	2.2	3.6	1.8	1.3	0.92	1.1
17	1.2	1.2	1.4	1.5	1.4	2.9	2.0	3.2	1.8	1.4	0.99	1.1
18	1.2	1.1	1.4	1.6	e1.5	3.3	3.7	2.4	1.7	1.5	0.98	1.1
19	1.2	1.1	1.4	1.6	1.5	14	3.8	2.3	1.6	1.3	0.97	0.86
20	1.2	1.1	1.5	1.6	1.5	40	3.1	2.2	1.6	1.3	1.0	1.1
21	1.2	1.2	1.5	1.5	1.5	36	4.4	2.2	1.5	1.0	1.0	1.1
22	1.2	1.4	1.5	1.4	1.4	33	3.5	2.2	1.6	1.1	1.1	1.0
23	1.2	1.3	1.5	1.5	1.4	35	2.3	2.6	1.6	1.0	1.1	1.1
24	1.2	1.3	1.6	1.5	1.4	29	2.0	3.0	1.6	1.0	1.2	1.1
25	1.2	1.3	1.6	1.5	1.4	24	1.8	2.8	1.6	0.95	1.2	1.1
26	1.2	1.3	1.7	1.5	1.5	25	1.6	2.9	1.6	1.0	1.3	1.1
27	1.3	1.3	1.7	1.5	1.5	23	1.6	2.6	1.5	1.0	1.3	1.1
28	1.3	1.3	1.7	1.4	1.6	18	1.6	2.7	1.6	1.0	1.3	0.99
29	1.3	1.3	e1.8	1.5	1.5	13	1.8	4.8	1.6	1.0	1.3	1.1
30	1.3	1.4	e2.2	1.6	---	8.1	1.8	5.5	1.6	1.0	1.3	1.1
31	1.2	---	e2.0	1.6	---	6.4	---	4.4	---	1.0	1.3	---
MEAN	1.18	1.19	1.56	1.65	1.48	11.0	3.60	2.59	1.88	1.28	1.03	1.08
MAX	1.3	1.4	2.2	2.0	1.6	40	8.9	5.5	3.0	1.6	1.3	1.2
MIN	1.0	1.1	1.2	1.4	1.4	1.5	1.6	1.4	1.5	0.95	0.83	0.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	1.78	2.26	2.27	2.52	2.36	7.30	5.91	2.98	1.97	1.63	2.01	1.57
MAX	2.21	3.37	2.78	3.71	2.99	11.0	11.7	4.33	2.36	2.53	2.67	2.08
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)
MIN	1.18	1.19	1.56	1.65	1.48	3.23	2.43	2.02	1.66	1.10	1.03	1.08
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)

SUMMARY STATISTICS			FOR 2003 CALENDAR YEAR			FOR 2004 WATER YEAR			WATER YEARS 2002 - 2004		
ANNUAL MEAN			1.92			2.48			2.88		
HIGHEST ANNUAL MEAN									4.01		
LOWEST ANNUAL MEAN									2.17		
HIGHEST DAILY MEAN			6.6			Jun 24			40		
LOWEST DAILY MEAN			0.93			Jul 30			0.83		
ANNUAL SEVEN-DAY MINIMUM			1.00			Jul 10			0.86		
10 PERCENT EXCEEDS			2.8						3.1		
50 PERCENT EXCEEDS			1.9						1.5		
90 PERCENT EXCEEDS			1.1						1.0		

e Estimated