

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in SE¹/₄SW¹/₄SE¹/₄ sec. 35, T. 16 S., R. 2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 mi².

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder and rubble masonry control since April 16, 1914. Elevation of gage is 4,940 ft above sea level, by barometer. Prior to April 16, 1914, staff gage 500 ft upstream at different datum. April 16, 1914 to April 7, 1938, water-stage recorder at present site and datum. April 8, 1938 to March 31, 1942, water-stage recorder at site 1,300 ft upstream at different datum. April 1, 1942 to June 15, 1961, water-stage recorder on left bank same site and datum. Since June 16, 1961 water-stage recorder on right bank at different datum.

REMARKS.--Records good, except for estimated daily discharges which are fair. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft³/s, Jun 25, 1983, gage height, 10.90 ft; no flow many days during April 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,020 ft³/s, Apr 29, gage height, 7.11 ft; minimum daily discharge, 1.3 ft³/s, Nov 7, 8, 13-23, Apr 13, 14, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	1.9	1.8	5.7	2.4	2.2	1.8	802	460	535	614	324
2	2.3	1.8	1.8	5.7	2.2	2.2	1.9	803	456	548	612	125
3	2.2	1.8	1.9	5.4	1.8	2.5	1.8	800	458	553	610	38
4	3.0	1.5	2.2	5.5	1.9	2.5	1.8	798	457	558	610	138
5	3.0	1.5	2.3	5.4	1.9	2.4	1.8	799	456	516	610	39
6	3.0	1.4	2.4	5.6	1.9	2.5	1.8	792	458	358	609	23
7	3.0	1.3	2.7	5.5	2.0	2.6	1.4	790	498	358	606	12
8	2.8	1.3	3.0	5.7	1.9	2.4	1.5	788	528	357	605	8.1
9	2.6	1.4	3.4	6.0	1.8	2.3	e1.5	e785	553	357	603	238
10	2.7	1.5	3.6	5.8	1.9	2.4	e1.4	795	562	373	602	159
11	2.7	1.4	3.5	4.5	2.1	2.3	1.4	802	562	385	552	52
12	2.7	1.4	3.7	3.8	2.1	2.3	1.5	948	568	385	384	38
13	2.7	1.3	3.9	3.9	1.9	2.4	1.3	1010	568	384	369	23
14	2.7	1.3	4.1	4.0	2.0	2.5	1.3	1010	562	382	349	71
15	2.5	1.3	4.2	4.5	1.8	2.2	1.4	1000	560	308	348	136
16	2.3	1.3	4.2	4.6	1.8	2.2	1.3	1000	561	171	349	109
17	2.2	1.3	4.3	4.9	1.8	2.1	14	690	560	25	445	70
18	2.1	1.3	4.3	5.2	2.0	2.1	179	267	560	25	722	13
19	2.0	1.3	4.4	5.1	2.1	2.1	355	142	557	24	579	6.9
20	1.8	1.3	4.6	5.1	2.2	2.1	411	33	558	134	233	6.8
21	2.1	1.3	e4.6	5.1	2.0	e2.1	412	33	558	347	183	6.8
22	1.8	1.3	e4.5	5.1	2.1	2.1	417	34	557	488	95	6.9
23	1.8	1.3	4.5	4.4	2.1	2.1	416	34	555	539	118	6.5
24	1.8	1.4	4.4	3.6	2.2	1.9	431	88	555	541	208	6.5
25	1.8	1.5	4.5	2.8	2.3	1.9	758	189	554	541	262	39
26	1.7	1.5	4.5	2.5	2.4	1.9	996	238	553	538	262	16
27	1.8	1.5	4.4	2.7	2.3	1.9	1000	282	533	560	237	5.7
28	1.8	1.6	4.8	3.0	2.2	1.9	1000	341	517	624	322	5.7
29	1.8	1.8	5.0	2.8	---	1.9	969	368	517	620	360	5.7
30	1.9	1.9	5.2	2.8	---	1.8	801	405	515	618	461	5.7
31	2.0	---	5.7	2.6	---	1.8	---	439	---	618	375	---
TOTAL	70.9	43.7	118.4	139.3	57.1	67.6	8183.9	17305	15916	12770	13294	1734.3
MEAN	2.29	1.46	3.82	4.49	2.04	2.18	273	558	531	412	429	57.8
MAX	3.0	1.9	5.7	6.0	2.4	2.6	1000	1010	568	624	722	324
MIN	1.7	1.3	1.8	2.5	1.8	1.8	1.3	33	456	24	95	5.7
AC-FT	141	87	235	276	113	134	16230	34320	31570	25330	26370	3440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2001, BY WATER YEAR (WY)

MEAN	61.9	36.5	39.2	66.4	76.1	125	307	725	609	540	372	164
MAX	640	439	757	1295	1184	1535	1783	3135	4178	3293	1599	737
(WY)	1923	1999	1986	1984	1984	1983	1984	1984	1983	1983	1983	1923
MIN	1.00	.60	.45	.76	.94	1.01	2.00	305	138	65.4	25.0	1.34
(WY)	1961	1965	1965	1965	1965	1965	1941	1995	1964	1934	1934	1961

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1912 - 2001
ANNUAL TOTAL	116485.5	69700.2	
ANNUAL MEAN	318	191	261
HIGHEST ANNUAL MEAN			1322
LOWEST ANNUAL MEAN			94.2
HIGHEST DAILY MEAN	1030	1010	4920
LOWEST DAILY MEAN	1.3	1.3	.00
ANNUAL SEVEN-DAY MINIMUM	1.3	1.3	.00
ANNUAL RUNOFF (AC-FT)	231000	138300	189400
10 PERCENT EXCEEDS	710	604	759
50 PERCENT EXCEEDS	260	5.1	42
90 PERCENT EXCEEDS	1.8	1.8	2.0

e Estimated