

Water-Data Report 2006

**10219000 SEVIER RIVER NEAR JUAB, UT**

Escalante Desert-Sevier Lake Basin  
Lower Sevier Subbasin

LOCATION.--Lat 39°22'29", long 112°02'20" referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ sec.35, T.16 S., R.2 W., Juab County, UT, 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 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

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

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above NGVD of 1929, 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 same datum and about 50 ft upstream of old station.

REMARKS.--Records good except for daily discharges less than 2 ft<sup>3</sup>/s and estimated daily discharges, which are poor. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft<sup>3</sup>/s, Jun 25, 1983, gage height, 10.90 ft; no flow many days during April 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,340 ft<sup>3</sup>/s, Jun 7, gage height, 9.13 ft; minimum daily discharge, 0.54 ft<sup>3</sup>/s, Dec 23, 24.

## 10219000 SEVIER RIVER NEAR JUAB, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	39	0.93	0.96	0.68	e0.80	0.96	476	602	257	412	684	132
2	34	0.85	1.0	0.73	e0.80	0.96	453	627	257	416	683	141
3	15	0.92	0.90	0.71	e0.80	0.96	408	726	257	413	679	54
4	1.0	1.0	0.81	0.66	e0.80	0.96	376	783	257	410	639	46
5	0.85	1.1	0.80	0.66	e0.80	0.96	449	782	445	407	e590	82
6	0.98	0.97	0.77	0.66	e0.80	0.96	493	782	557	406	e550	59
7	50	0.97	0.80	0.66	e0.80	0.96	532	783	782	408	e500	35
8	131	0.95	0.86	0.66	e0.80	0.96	566	785	585	476	e460	38
9	197	0.83	0.80	0.66	e0.80	0.96	597	784	584	508	e440	40
10	73	0.85	e0.80	0.66	e0.80	17	598	781	581	519	e490	44
11	122	0.95	e0.80	0.66	e0.80	25	598	779	510	738	528	48
12	135	0.85	e0.80	0.66	e0.90	28	602	780	469	744	606	51
13	296	0.86	e0.80	0.66	e0.90	31	648	779	492	749	650	55
14	133	0.87	e0.80	0.66	e0.90	46	739	780	709	755	764	59
15	165	0.80	e0.80	0.66	e0.90	147	772	786	840	471	860	64
16	234	0.80	e0.80	0.66	e0.90	249	757	1,150	846	352	857	36
17	232	0.71	e0.80	0.66	e0.90	316	415	896	843	393	854	0.96
18	159	0.69	e1.0	0.71	0.96	318	14	799	843	456	854	0.96
19	132	0.75	e1.2	0.74	0.96	318	35	817	843	534	853	0.96
20	135	0.80	e1.0	0.80	0.96	295	81	1,070	847	529	852	0.97
21	88	0.80	0.66	0.80	0.96	218	154	1,070	846	505	851	0.96
22	0.86	0.80	0.59	0.80	0.96	196	182	859	845	404	848	0.96
23	0.79	0.80	0.54	e0.80	0.96	91	182	690	843	404	786	0.96
24	0.83	0.80	0.54	e0.80	0.96	188	243	650	845	298	550	0.96
25	1.0	0.81	0.65	e0.80	0.96	366	346	509	846	253	478	0.96
26	0.86	e0.80	0.79	e0.80	0.96	428	378	446	796	253	463	0.96
27	0.96	e0.80	0.67	e0.80	0.96	408	439	389	499	274	329	0.96
28	1.2	0.80	0.66	e0.80	0.96	414	513	388	411	415	153	0.96
29	0.83	0.95	0.66	e0.80	---	439	602	336	416	448	40	5.1
30	1.3	0.96	0.66	e0.80	---	470	603	300	413	497	39	49
31	0.96	---	0.69	e0.80	---	452	---	283	---	572	47	---
<b>Total</b>	2,382.42	25.77	24.41	22.41	24.76	5,468.64	13,251	21,991	18,564	14,419	17,977	1,049.63
<b>Mean</b>	76.9	0.86	0.79	0.72	0.88	176	442	709	619	465	580	35.0
<b>Max</b>	296	1.1	1.2	0.80	0.96	470	772	1,150	847	755	860	141
<b>Min</b>	0.79	0.69	0.54	0.66	0.80	0.96	14	283	257	253	39	0.96
<b>Ac-ft</b>	4,730	51	48	44	49	10,850	26,280	43,620	36,820	28,600	35,660	2,080

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2006, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	59.7	34.7	37.3	63.0	72.2	121	299	713	601	537	373	159
<b>Max</b>	640	439	757	1,295	1,184	1,535	1,783	3,135	4,178	3,293	1,599	737
<b>(WY)</b>	(1923)	(1999)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1923)
<b>Min</b>	1.00	0.20	0.10	0.14	0.15	0.12	2.00	305	138	65.4	25.0	1.34
<b>(WY)</b>	(1961)	(2005)	(2005)	(2005)	(2005)	(2005)	(1941)	(1995)	(1964)	(1934)	(1934)	(1961)

10219000 SEVIER RIVER NEAR JUAB, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1912 - 2006	
<b>Annual total</b>	70,874.76		95,200.04			
<b>Annual mean</b>	194		261		257	
<b>Highest annual mean</b>					1,322	1984
<b>Lowest annual mean</b>					94.2	1961
<b>Highest daily mean</b>	1,220	Jun 30	1,150	May 16	4,920	Jun 25, 1983
<b>Lowest daily mean</b>	0.06	Jan 1	0.54	Dec 23	0.00	Mar 7, 1918
<b>Annual seven-day minimum</b>	0.06	Jan 1	0.63	Dec 21	0.00	Apr 9, 1990
<b>Annual runoff (ac-ft)</b>	140,600		188,800		186,100	
<b>10 percent exceeds</b>	701		781		749	
<b>50 percent exceeds</b>	1.0		64		38	
<b>90 percent exceeds</b>	0.12		0.80		2.0	

