

Water-Data Report 2013

## 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 3 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 Apr 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 945 ft<sup>3</sup>/s, May 6, at gage height 7.01 ft; minimum daily discharge, 1.2 ft<sup>3</sup>/s, Oct 2.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**  
 [e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.4	1.6	2.0	2.6	2.0	2.3	2.2	784	343	590	300	4.6
2	1.2	1.6	2.1	2.8	2.1	2.3	2.1	797	343	592	298	4.4
3	1.4	1.5	2.0	3.3	2.1	2.4	52	935	345	590	298	28
4	1.4	1.4	2.0	3.6	2.3	2.4	87	877	344	587	299	47
5	1.4	1.4	2.0	3.7	2.3	2.4	87	833	343	559	299	44
6	1.5	1.4	2.0	3.4	2.3	2.4	87	906	341	488	298	15
7	24	1.4	2.2	3.0	2.2	2.3	86	848	340	424	248	6.7
8	61	1.5	2.2	2.4	2.3	2.4	54	673	339	411	189	6.6
9	89	1.8	2.2	2.2	2.3	2.4	24	630	337	410	190	6.8
10	83	1.6	2.1	2.1	2.2	2.3	24	629	336	411	188	6.9
11	73	1.6	2.0	2.1	2.2	2.3	24	628	336	411	184	6.6
12	54	1.7	2.0	2.0	2.2	2.2	24	627	390	408	200	6.6
13	32	1.6	2.0	2.1	2.2	2.3	25	626	452	408	426	6.7
14	12	1.7	2.1	e2.0	2.2	2.3	25	626	509	408	568	6.7
15	6.8	1.7	2.1	e2.0	2.2	2.3	25	626	509	406	723	6.9
16	6.4	1.6	2.2	2.2	2.2	2.3	22	625	509	405	693	6.8
17	6.4	1.7	2.2	1.9	2.3	2.3	3.7	624	515	399	714	6.1
18	6.3	1.7	2.6	1.9	2.4	2.3	2.2	619	611	328	777	4.1
19	4.9	1.7	2.3	2.1	2.4	2.2	2.2	504	794	327	727	4.1
20	2.4	1.7	2.4	1.9	2.4	2.2	2.2	476	825	326	576	4.1
21	2.4	1.7	2.6	1.9	2.4	2.3	2.0	576	825	319	467	4.1
22	2.4	1.7	2.5	1.8	2.3	2.3	2.0	578	824	266	400	4.1
23	2.3	1.9	2.6	e2.0	2.3	2.2	1.9	578	701	268	324	4.1
24	2.2	1.9	2.7	1.3	2.3	2.2	1.9	577	546	270	162	3.9
25	2.0	2.0	2.6	1.4	2.3	2.2	1.8	576	509	270	15	3.6
26	1.9	2.0	2.8	1.7	2.3	2.2	30	531	508	279	8.4	3.3
27	1.9	2.2	2.7	2.0	2.2	2.2	305	488	515	416	8.9	3.6
28	1.8	2.4	2.7	2.0	2.2	2.2	409	397	595	416	7.9	3.4
29	1.7	2.2	2.7	2.0	---	2.2	605	343	592	412	4.4	3.3
30	1.6	2.2	2.7	2.0	---	2.2	694	342	591	411	4.4	3.1
31	1.6	---	2.7	2.0	---	2.1	---	344	---	396	4.6	---
<b>Total</b>	491.3	52.1	72.0	69.4	63.1	70.6	2,713.2	19,223	15,067	12,611	9,601.6	265.2
<b>Mean</b>	15.8	1.74	2.32	2.24	2.25	2.28	90.4	620	502	407	310	8.84
<b>Max</b>	89	2.4	2.8	3.7	2.4	2.4	694	935	825	592	777	47
<b>Min</b>	1.2	1.4	2.0	1.3	2.0	2.1	1.8	342	336	266	4.4	3.1
<b>Ac-ft</b>	974	103	143	138	125	140	5,380	38,130	29,890	25,010	19,040	526

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	57.4	37.5	39.9	61.8	72.1	118	294	706	608	540	377	150
<b>Max</b>	640	527	757	1,295	1,184	1,535	1,783	3,135	4,178	3,293	1,599	737
<b>(WY)</b>	(1923)	(2012)	(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)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1912-2013	
<b>Annual total</b>	132,056.6		60,299.5			
<b>Annual mean</b>	361		165		256	
<b>Highest annual mean</b>					1,322	1984
<b>Lowest annual mean</b>					94.2	1961
<b>Highest daily mean</b>	978	Jun 22	935	May 3	4,920	Jun 25, 1983
<b>Lowest daily mean</b>	1.2	Sep 4	1.2	Oct 2	0.00	Mar 7, 1918
<b>Annual seven-day minimum</b>	1.3	Sep 11	1.5	Nov 2	0.00	Apr 9, 1990
<b>Annual runoff (ac-ft)</b>	261,900		119,600		185,800	
<b>10 percent exceeds</b>	762		590		742	
<b>50 percent exceeds</b>	414		3.6		36	
<b>90 percent exceeds</b>	1.6		1.8		1.9	

