



Water-Data Report UT-2005

10219000 SEVIER RIVER NEAR JUAB, UT

Sevier Lake Basin

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, 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.

WATER-DISCHARGE RECORDS

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 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 ft³/s and estimated daily discharges, which are poor. 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, 1,300 ft³/s, Jun 30, gage height, 8.08 ft; minimum daily discharge, 0.06 ft³/s, on several days.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	95	0.14	0.08	0.06	0.14	0.14	0.14	58	400	803	542	574
2	91	0.26	0.06	0.06	0.14	0.14	0.14	58	335	908	504	393
3	89	0.20	0.06	0.06	0.14	0.14	0.14	59	341	737	507	358
4	82	0.21	0.06	0.06	0.14	0.14	0.14	59	443	573	510	361
5	86	0.27	0.06	0.06	0.14	0.14	0.14	60	540	371	513	216
6	110	0.27	0.09	0.06	0.14	0.14	0.14	58	511	345	517	191
7	31	0.27	0.10	0.06	0.14	0.14	0.14	59	406	416	520	163
8	1.8	0.27	0.10	0.06	0.14	0.14	0.14	60	318	511	523	103
9	1.5	0.27	0.13	0.06	0.14	0.14	0.14	61	385	532	533	92
10	1.4	0.27	0.14	0.06	0.14	e0.13	0.14	94	496	745	675	97
11	0.99	0.24	0.14	0.10	0.14	e0.13	0.14	129	489	1,020	797	60
12	0.43	0.20	0.14	0.14	0.14	e0.12	0.14	148	282	1,020	812	53
13	0.27	0.25	0.14	0.19	0.14	e0.12	0.14	147	280	1,030	817	51
14	0.24	0.27	0.14	0.20	0.14	e0.11	0.14	148	278	882	816	54
15	0.20	0.27	0.14	0.20	0.14	e0.11	0.10	149	279	734	815	96
16	0.20	0.21	0.14	0.20	0.14	e0.10	0.10	151	271	736	757	157
17	0.20	0.20	0.14	0.20	0.14	0.10	0.10	175	236	563	705	158
18	0.20	0.20	0.14	0.20	0.14	0.10	0.10	280	236	421	617	113
19	0.20	0.20	0.14	0.20	0.15	0.10	0.10	373	300	422	502	52
20	0.20	0.20	0.10	0.20	0.20	0.10	0.10	507	401	425	488	51
21	0.20	0.15	0.10	0.20	0.20	0.10	0.10	861	499	428	489	50
22	0.20	0.14	0.10	0.20	0.20	0.10	0.10	892	701	430	520	51
23	0.20	0.14	0.10	0.20	0.17	0.10	0.06	824	702	433	598	60
24	0.20	0.14	0.10	0.20	0.14	0.10	0.07	817	704	455	623	125
25	0.18	0.14	0.10	0.20	0.14	0.10	0.09	817	733	532	754	126
26	0.14	0.14	0.10	0.17	0.14	0.10	33	818	858	536	675	124
27	0.18	0.14	0.10	0.14	0.14	0.10	62	820	751	542	609	183
28	0.20	0.14	0.10	0.14	0.14	0.14	61	726	725	549	433	134
29	0.20	0.14	0.08	0.14	---	0.14	60	629	827	564	312	59
30	0.20	0.13	0.06	0.14	---	0.14	58	594	1,220	711	529	47
31	0.17	---	0.06	0.14	---	0.14	---	584	---	542	711	---
Total	593.90	6.07	3.24	4.30	4.14	3.74	276.98	11,215	14,947	18,916	18,723	4,352
Mean	19.2	0.20	0.10	0.14	0.15	0.12	9.23	362	498	610	604	145
Max	110	0.27	0.14	0.20	0.20	0.14	62	892	1,220	1,030	817	574
Min	0.14	0.13	0.06	0.06	0.14	0.10	0.06	58	236	345	312	47
Ac-ft	1,180	12	6.4	8.5	8.2	7.4	549	22,240	29,650	37,520	37,140	8,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	59.6	35.0	37.7	63.7	73.0	120	298	713	600	538	371	160
Max	640	439	757	1,295	1,184	1,535	1,783	3,135	4,178	3,293	1,599	737
(WY)	(1923)	(1999)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1923)
Min	1.00	0.20	0.10	0.14	0.15	0.12	2.00	305	138	65.4	25.0	1.34
(WY)	(1961)	(2005)	(2005)	(2005)	(2005)	(2005)	(1941)	(1995)	(1964)	(1934)	(1934)	(1961)

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	Calendar Year 2004	Water Year 2005	Water Years 1912 - 2005	
Annual total	43,783.94	69,045.37		
Annual mean	120	189	257	
Highest annual mean			1,322	1984
Lowest annual mean			94.2	1961
Highest daily mean	819	May 8	4,920	Jun 25, 1983
Lowest daily mean	0.06	Dec 2	0.00	Mar 7, 1918
Annual seven-day minimum	0.07	Dec 1	0.00	Apr 9, 1990
Annual runoff (ac-ft)	86,850	137,000	186,100	
10 percent exceeds	414	701	748	
50 percent exceeds	0.60	0.24	38	
90 percent exceeds	0.13	0.10	2.0	

