

**13055000 TETON RIVER NEAR ST. ANTHONY, ID**

Upper Snake Basin  
Teton Subbasin

LOCATION.--Lat 43°55'38", long 111°36'50" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.15, T.7 N., R.41 E., Fremont County, ID, Hydrologic Unit 17040204, Newdale quad., on right bank 0.5 mi upstream from railroad bridge, 4 mi southeast of St. Anthony, and at mile 22.

DRAINAGE AREA.--876 mi<sup>2</sup>, revised.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1890 to September 1893, April 1903 to June 1909, (irrigation seasons only 1920-21, 1923-33), April 1920 to May 1976 (destroyed by flood of June 5, 1976), October 1977 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "near Wilford" or "at Chases Ranch" 1890-93.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1903-6, 1908-9. WDR ID-80-1: 1979. WDR ID-97-1: 1993 (M), 1996 (M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,970 ft above NGVD of 1929, from topographic map. Apr. 5, 1890 to Sept. 30, 1893, nonrecording gage at site 1 mi downstream at different datum. Apr. 23, 1903 to June 30, 1909, non recording gage at site 0.8 mi upstream at different datum. Apr. 19, 1920 to May 1, 1921, non recording gage, and May 2, 1921 to Nov. 5, 1933, water-stage recorder at site 400 ft downstream at different datum. Nov. 6, 1933 to June 5, 1976, water-stage recorder at approximately same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 58,000 acres of which about 4,400 acres are irrigated by withdrawals from ground water (1966 determination). Water is diverted at times (since 1939) during irrigation season from Henrys Fork through Cross Cut Canal to Teton River 0.8 mi upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,700,000 ft<sup>3</sup>/s, estimated from the average of slope-area measurements of peak flow at Teton, 5.3 mi downstream, and near Newdale, 3.4 mi upstream, June 5, 1976 (Teton Dam failure); maximum stage, 42.2 ft.

Maximum discharge excluding 1976, 11,000 ft<sup>3</sup>/s Feb. 12, 1962, gage height, 9.36 ft, on basis of contracted-opening measurement of peak flow, site and datum then in use. Minimum discharge, 103 ft<sup>3</sup>/s Oct. 4, 1975, gage height, 2.38 ft, site and datum then in use, due to filling of Teton Reservoir; minimum, excluding the filling period of Teton Reservoir, 203 ft<sup>3</sup>/s Jan. 13, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,210 ft<sup>3</sup>/s June 7, 8, gage height 6.72 ft; minimum daily, 270 ft<sup>3</sup>/s Jan. 8.

## 13055000 TETON RIVER NEAR ST. ANTHONY, ID—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	550	533	e431	373	387	359	543	664	1,320	2,620	918	728
2	567	514	e403	375	376	355	477	615	1,650	2,620	879	708
3	561	495	e313	374	372	356	441	600	2,000	2,480	796	710
4	560	483	e333	370	380	364	418	571	2,820	2,180	757	693
5	573	477	e355	371	377	364	403	527	4,300	1,770	739	675
6	559	481	e354	e350	376	368	426	499	4,770	1,540	728	672
7	561	479	e337	e310	374	361	408	483	5,720	1,430	752	677
8	547	480	e341	e270	338	362	391	479	5,970	1,300	758	685
9	536	475	e336	e300	314	367	415	467	5,130	1,250	764	684
10	536	460	e279	e370	326	362	436	459	4,450	1,300	767	750
11	531	472	e294	e360	373	359	419	459	4,080	1,320	701	812
12	533	472	359	e350	377	349	467	472	3,610	1,350	616	760
13	530	471	396	363	373	347	637	490	3,130	1,320	616	736
14	550	461	392	372	367	363	630	520	2,770	1,290	598	728
15	583	458	377	370	358	360	614	575	2,680	1,110	668	717
16	568	446	389	e352	372	359	692	676	2,980	985	646	704
17	546	443	406	358	367	364	869	844	3,500	924	616	696
18	536	463	410	372	370	374	953	1,130	3,330	967	570	688
19	534	465	403	370	365	384	841	1,410	2,750	1,020	521	682
20	562	449	402	374	339	379	829	1,490	2,470	980	534	671
21	576	462	410	372	338	372	793	1,430	2,460	995	605	589
22	552	455	410	376	340	386	867	1,320	2,500	1,030	612	473
23	550	455	413	388	324	407	1,080	1,150	2,540	1,010	635	472
24	561	461	397	383	329	391	977	1,030	2,400	944	636	465
25	568	464	366	376	360	381	787	1,090	2,390	908	644	449
26	545	454	e317	375	364	386	704	995	2,520	885	629	443
27	554	466	e305	381	355	383	656	953	2,660	855	648	430
28	520	489	e315	376	355	384	716	1,100	2,640	842	669	413
29	496	459	e337	343	---	386	855	1,510	2,510	884	717	419
30	497	438	e373	336	---	437	747	1,590	2,530	894	757	472
31	518	---	375	363	---	622	---	1,390	---	870	742	---
<b>Total</b>	16,960	14,080	11,328	11,173	10,046	11,791	19,491	26,988	94,580	39,873	21,238	18,801
<b>Mean</b>	547	469	365	360	359	380	650	871	3,153	1,286	685	627
<b>Max</b>	583	533	431	388	387	622	1,080	1,590	5,970	2,620	918	812
<b>Min</b>	496	438	279	270	314	347	391	459	1,320	842	521	413
<b>Ac-ft</b>	33,640	27,930	22,470	22,160	19,930	23,390	38,660	53,530	187,600	79,090	42,130	37,290

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	547	491	424	387	400	477	750	1,627	2,130	1,240	745	618
<b>Max</b>	910	868	708	652	895	758	1,411	3,439	4,788	2,882	1,136	872
<b>(WY)</b>	(1984)	(1984)	(1909)	(1997)	(1962)	(1972)	(1943)	(1997)	(1997)	(1975)	(1997)	(1971)
<b>Min</b>	348	326	300	280	280	295	333	630	488	359	293	284
<b>(WY)</b>	(2002)	(1935)	(1906)	(1935)	(1937)	(1906)	(1976)	(1934)	(1934)	(1934)	(1934)	(1934)

13055000 TETON RIVER NEAR ST. ANTHONY, ID—Continued

SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1891 - 2010	
<b>Annual total</b>	336,528		296,349			
<b>Annual mean</b>	922		812		829	
<b>Highest annual mean</b>					1,405	1997
<b>Lowest annual mean</b>					411	1934
<b>Highest daily mean</b>	4,080	Jun 22	5,970	Jun 8	6,970	Feb 12, 1962
<b>Lowest daily mean</b>	279	Dec 10	270	Jan 8	199	Oct 4, 1975
<b>Annual seven-day minimum</b>	328	Jan 27	328	Dec 5	246	Mar 16, 1906
<b>Annual runoff (ac-ft)</b>	667,500		587,800		600,700	
<b>10 percent exceeds</b>	2,730		1,520		1,690	
<b>50 percent exceeds</b>	560		521		567	
<b>90 percent exceeds</b>	350		358		354	

