

Water-Data Report 2013

13090500 SNAKE RIVER NEAR TWIN FALLS, ID

Upper Snake Basin
Upper Snake-Rock Subbasin

LOCATION.--Lat 42°36'22", long 114°28'35" referenced to North American Datum of 1983, Twin Falls County, ID, Hydrologic Unit 17040212, Twin Falls quad., on downstream side of old Perrine Bridge pier, 200 ft upstream from outlet of Blue Lakes, 4 mi north of city of Twin Falls, and 4 mi downstream from Shoshone Falls.

DRAINAGE AREA.--22,360 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1911 to June 1917, May 1919 to December 1947, July 2009 to current year.

GAGE.--Water-stage recorder. Sept. 29, 1911 to June 30, 1917 and May 1, 1919 to Sept. 18, 1930, staff gage 100 ft upstream at same datum. Sept. 19, 1930 to Dec. 1947, staff gage on bridge pier 120 ft streamward at same datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry and crest stage gage. Flow regulated by Twin Falls and Shoshone Falls powerplants and several reservoirs above station. No diversions except by small ranch ditches between this station and the station at Milner, where most of the flow is diverted during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 32,200 ft³/s June 10, 1914, gage height, 13.3 ft; minimum, 250 ft³/s Apr. 16, 1936, gage height, 1.51 ft, from rating extended below 2.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,230 ft³/s May 5; minimum daily, 303 ft³/s April 1.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	534	463	937	884	1,090	804	303	399	2,900	469	2,110	509
2	528	462	910	878	1,070	875	309	1,640	2,890	469	2,120	527
3	528	456	907	856	1,060	859	312	2,960	2,250	448	2,120	580
4	534	458	934	847	1,060	847	310	3,020	1,580	472	2,120	578
5	539	457	1,030	862	1,070	849	312	3,230	879	490	2,130	560
6	526	455	980	868	1,030	856	308	2,870	543	492	2,130	565
7	527	455	1,030	867	975	853	319	2,900	476	497	2,160	553
8	489	459	1,060	867	966	852	327	2,900	448	509	2,430	563
9	511	461	1,050	870	967	852	325	2,840	456	503	2,370	578
10	525	454	1,030	873	958	846	334	2,770	460	499	1,210	559
11	534	434	1,000	900	950	847	361	2,770	457	504	638	553
12	536	437	1,000	875	950	848	374	2,780	456	519	549	544
13	527	445	1,000	856	955	842	375	2,820	460	525	526	547
14	537	446	1,010	855	949	849	380	2,850	462	535	522	553
15	532	445	997	852	941	847	381	2,860	460	541	518	561
16	537	472	983	849	923	844	394	2,870	441	538	517	564
17	528	651	1,000	848	948	846	407	2,880	441	535	521	552
18	520	694	995	848	944	841	403	2,880	427	530	520	543
19	511	691	988	845	952	837	394	2,890	428	531	518	540
20	508	692	982	846	976	844	402	2,900	439	531	525	538
21	509	753	984	847	922	860	398	2,870	445	529	527	542
22	531	850	984	845	927	658	397	2,880	440	536	524	547
23	540	855	987	845	937	421	405	2,880	449	1,290	516	550
24	510	828	964	848	923	342	416	2,880	465	2,080	511	535
25	492	750	915	852	881	321	410	2,880	475	2,100	509	545
26	480	729	1,010	861	862	324	409	2,890	469	2,110	524	549
27	472	723	817	863	864	317	411	2,900	468	2,110	514	547
28	471	729	890	853	956	310	405	2,910	462	2,100	506	537
29	474	803	890	1,000	---	315	399	2,910	464	2,130	509	537
30	466	912	892	1,080	---	313	386	2,900	468	2,120	505	549
31	465	---	890	1,100	---	310	---	2,890	---	2,110	507	---
Total	15,921	17,919	30,046	27,240	27,006	21,429	11,066	85,819	21,958	29,352	31,906	16,505
Mean	514	597	969	879	964	691	369	2,768	732	947	1,029	550
Max	540	912	1,060	1,100	1,090	875	416	3,230	2,900	2,130	2,430	580
Min	465	434	817	845	862	310	303	399	427	448	505	509
Ac-ft	31,580	35,540	59,600	54,030	53,570	42,500	21,950	170,200	43,550	58,220	63,290	32,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,083	3,951	3,758	3,766	3,808	3,668	4,680	5,718	6,479	2,011	968	1,467
Max	10,370	8,791	10,020	8,478	8,151	7,611	11,050	18,440	23,020	9,605	4,513	8,998
(WY)	(1913)	(1915)	(1928)	(1928)	(1928)	(1928)	(2011)	(1917)	(1912)	(1912)	(2011)	(1912)
Min	514	597	836	879	704	560	369	459	493	477	486	526
(WY)	(2013)	(2013)	(1937)	(2013)	(1938)	(1941)	(2013)	(1941)	(1934)	(1915)	(1915)	(1915)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1911 - 2013	
Annual total	848,782		336,167			
Annual mean	2,319		921		3,530	
Highest annual mean					8,748	1913
Lowest annual mean					673	1935
Highest daily mean	9,480	Apr 5	3,230	May 5	32,200	Jun 10, 1914
Lowest daily mean	387	Apr 29	303	Apr 1	303	Apr 1, 2013
Annual seven-day minimum	408	May 12	309	Mar 31	309	Mar 31, 2013
Annual runoff (ac-ft)	1,684,000		666,800		2,558,000	
10 percent exceeds	5,110		2,130		8,130	
50 percent exceeds	1,030		578		1,470	
90 percent exceeds	456		410		550	

