

Water-Data Report 2007

**13090355 SNAKE RIVER BELOW SHOSHONE FALLS NEAR TWIN FALLS, ID**

Upper Snake Basin  
Upper Snake-Rock Subbasin

LOCATION.--Lat 42°35'48", long 114°24'33" referenced to North American Datum of 1983, in SE ¼ NW ¼ SE ¼ sec.36, T.9 S., R.17 E., Jerome County, ID, Hydrologic Unit 17040212, Twin Falls quad., approximately 0.25 mi downstream from the Shoshone Falls Power Plant, and approximately 3 mi northeast of Twin Falls.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2006 to September 2007.

GAGE.--Water-velocity and stage recorder.

COOPERATION.--Discharge records furnished by Idaho Power company and reviewed by U.S. Geological Survey beginning October 2006.

REMARKS.--Flow regulated by American Falls Reservoir and other reservoirs having a combined usable capacity of 4,700,000 acre-ft. Fluctuation may be caused by Shoshone Falls hydroelectric powerplant .25 miles upstream. At times, practically the entire flow is diverted at Milner during irrigation season; no diversions between Milner and Kimberly. Diversion above station for irrigation of about 2,020,000 acres, of which about 537,000 acres are irrigated by withdrawals from ground water and about 364,000 acres are irrigated below the station. Considerable water leaks into the Snake River Plain aquifer upstream, a small part of which returns through springs a few miles above station.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge recorded, 3,570 ft<sup>3</sup>/s, Jan. 5; minimum daily recorded, 546 ft<sup>3</sup>/s, Apr. 21.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	686	---	---	---	2,240	2,110	579	---	---	---	1,210	---
2	731	---	---	---	2,140	1,910	579	---	---	---	1,150	---
3	766	---	---	3,360	1,930	2,000	602	---	---	---	1,240	---
4	719	---	---	3,520	1,990	1,950	589	---	---	---	1,160	---
5	700	---	---	3,570	1,820	1,930	638	---	---	---	1,090	---
6	713	---	---	3,500	1,920	1,830	616	---	---	---	---	---
7	894	---	---	3,330	---	1,800	634	---	---	---	---	---
8	737	---	---	3,360	---	1,870	653	---	---	---	---	---
9	773	---	---	3,230	---	1,690	1,630	---	---	---	---	---
10	679	---	---	3,140	---	1,770	1,610	---	---	---	---	---
11	685	---	---	2,840	---	1,680	1,030	---	---	---	---	---
12	685	---	---	2,640	---	1,710	1,010	---	---	---	---	---
13	621	---	---	2,320	---	1,770	858	---	---	---	---	---
14	581	---	---	2,530	---	1,200	886	---	---	---	---	---
15	585	---	---	2,820	---	1,180	1,050	---	---	---	---	---
16	777	---	---	3,140	---	1,090	880	---	---	---	---	---
17	621	---	---	3,390	---	1,240	680	---	---	---	---	---
18	625	---	---	3,100	---	1,230	945	---	---	---	---	---
19	---	---	---	3,090	---	1,150	797	---	---	---	---	---
20	---	---	---	3,290	---	1,250	626	---	---	---	---	---
21	---	---	---	2,960	---	1,220	546	---	---	---	---	---
22	---	---	---	2,750	---	968	615	---	---	---	---	---
23	---	---	---	2,590	---	628	691	---	---	---	---	---
24	---	---	---	2,700	---	572	---	---	---	---	---	---
25	---	---	---	2,760	---	558	---	---	---	---	---	---
26	---	---	---	2,900	1,900	588	---	---	---	1,320	---	---
27	---	---	---	3,090	2,040	638	---	---	---	1,330	---	---
28	---	---	---	2,980	1,970	631	---	---	---	1,250	---	---
29	---	---	---	2,920	---	579	---	---	---	957	---	---
30	---	---	---	2,910	---	548	---	---	---	1,240	---	---
31	---	---	---	2,530	---	547	---	---	---	1,240	---	---
<b>Total</b>	---	---	---	---	---	39,837	---	---	---	---	---	---
<b>Mean</b>	---	---	---	---	---	1,285	---	---	---	---	---	---
<b>Max</b>	---	---	---	---	---	2,110	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	---	547	---	---	---	---	---	---
<b>Ac-ft</b>	---	---	---	---	---	79,020	---	---	---	---	---	---

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