

Water-Data Report 2008

13269000 SNAKE RIVER AT WEISER, ID

Middle Snake-Powder Basin
Brownlee Reservoir Subbasin

LOCATION.--Lat 44°14'44", long 116°58'51" referenced to North American Datum of 1983, in NW ¼ SE ¼ sec.31, T.11 N., R.5 W., Washington County, ID, Hydrologic Unit 17050201, Weiser South quad., on right bank, at upstream side of U.S. Highway 30N/95 spur bridge at Weiser, 0.7 mi downstream from Weiser River, and at mile 351.3.

DRAINAGE AREA.--69,200 mi², approximately. Mean elevation, 5,400 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1910 to current year. Fragmentary gage-height record obtained by U.S. Weather Bureau since 1895. Monthly discharge only for October 1910, published in WSP 1317.

REVISED RECORDS.--WSP 1317: 1918. WSP 1567: 1910(M). WDR ID-76-1: 1975.

GAGE.--Water-stage recorder. Datum of gage is 2,086.64 ft above NGVD of 1929. Prior to Oct. 1, 1914, nonrecording gage 0.2 mi downstream at different datum. Oct. 1, 1914 to Oct. 11, 1933, nonrecording gage, and Oct. 12, 1933 to Apr. 13, 1964, water-stage recorder, at site 0.3 mi upstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by many reservoirs above station. Diurnal fluctuation caused by hydroelectric plants upstream. Diversions above station for irrigation of about 3,650,000 acres, of which about 742,000 acres are irrigated by withdrawals from ground water. In addition, approximately 7,300 acres are irrigated below station by diversions from Weiser River (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 84,500 ft³/s Apr. 29, 1952, gage height, 14.67 ft, site and datum then in use; maximum gage height recorded, 15.55 ft, Dec. 20, 1972, backwater from ice jam; minimum discharge, 4,390 ft³/s June 7, 1992, gage height, 1.36 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 3, 1910, reached a stage of 17.1 ft, at site and datum 0.3 mi upstream, from reading on old U.S. Weather Bureau gage, discharge, 120,000 ft³/s. Flood in June 1894 was considerably higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,500 ft³/s May 22, gage height, 7.64 ft; minimum daily, 8,000 ft³/s July 11.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10,900	10,600	10,400	9,680	9,910	11,900	11,800	16,200	24,200	9,510	11,500	10,500
2	11,900	10,700	10,300	10,000	10,000	12,900	11,500	14,800	24,000	9,360	11,100	10,400
3	10,700	10,400	10,600	10,300	9,490	12,000	11,600	14,700	23,400	9,520	10,600	10,400
4	11,500	10,900	11,600	10,800	10,400	11,900	11,900	15,400	25,000	9,350	10,100	8,980
5	10,900	10,100	11,000	10,100	9,300	12,100	11,700	16,200	25,300	9,240	10,900	9,330
6	10,600	9,950	11,500	11,700	9,840	10,900	11,900	16,900	24,000	9,400	10,100	8,870
7	10,700	10,800	11,300	10,600	10,500	11,200	12,300	18,000	24,700	9,230	10,500	8,200
8	10,600	10,200	11,300	11,300	10,100	11,600	12,400	18,900	22,900	8,580	10,300	8,310
9	11,300	9,960	11,100	10,600	10,100	11,900	12,300	18,400	21,500	8,140	10,800	8,220
10	10,700	10,600	11,300	10,700	10,700	11,500	12,300	18,700	21,800	8,080	10,600	8,130
11	11,000	10,100	10,500	10,400	10,400	12,100	13,200	17,100	20,400	8,000	10,700	8,680
12	9,610	10,800	10,900	10,400	10,600	13,200	13,900	17,500	19,800	8,530	10,500	8,570
13	10,200	10,700	10,600	10,500	10,700	14,300	14,000	15,900	19,000	8,260	10,400	8,590
14	10,100	10,400	10,200	10,200	10,600	15,500	16,000	15,900	18,000	10,100	10,800	9,010
15	10,400	10,300	10,700	10,300	9,970	15,100	17,800	17,700	18,400	9,990	10,800	8,570
16	10,100	10,800	10,700	10,400	10,700	14,800	16,900	19,500	18,100	11,100	10,500	9,090
17	10,300	10,600	10,400	9,610	10,500	14,800	15,800	23,600	17,600	11,300	10,600	9,220
18	10,400	12,000	10,600	9,830	10,200	12,900	15,700	26,800	16,300	11,200	11,600	9,670
19	11,000	13,200	10,900	9,560	9,990	15,700	16,000	29,800	15,300	11,400	10,600	9,720
20	12,000	12,400	11,200	10,100	10,100	15,500	15,700	31,700	14,500	10,700	10,500	10,200
21	13,100	11,700	11,600	10,100	10,200	16,000	14,500	32,900	13,500	11,400	10,600	11,500
22	11,300	11,000	10,600	10,000	10,400	15,500	13,700	33,500	13,100	11,700	10,300	12,000
23	11,600	11,200	11,000	9,910	10,600	14,300	14,000	29,100	13,100	12,000	10,100	11,800
24	10,900	10,300	10,900	9,950	10,400	13,700	14,400	28,900	12,700	12,300	10,100	12,100
25	11,500	10,700	10,800	9,580	10,700	14,600	13,900	26,500	12,600	12,800	10,700	12,200
26	10,400	10,900	10,600	9,620	11,200	14,400	13,000	24,400	11,500	12,400	9,910	11,700
27	10,900	10,400	10,600	9,870	11,900	14,300	13,400	24,200	10,600	11,800	10,300	11,500
28	11,100	10,600	10,100	10,100	11,900	14,100	13,700	25,100	10,300	11,600	10,200	11,700
29	11,400	10,200	11,200	9,320	11,300	14,000	14,900	25,000	9,910	11,800	10,700	11,200
30	10,400	10,600	10,700	9,320	---	13,200	16,600	25,300	9,790	10,900	10,700	11,000
31	10,300	---	10,300	9,800	---	12,300	---	24,600	---	10,600	11,000	---
Total	337,810	323,110	335,500	314,650	302,700	418,200	416,800	683,200	531,300	320,290	328,110	299,360
Mean	10,900	10,770	10,820	10,150	10,440	13,490	13,890	22,040	17,710	10,330	10,580	9,979
Max	13,100	13,200	11,600	11,700	11,900	16,000	17,800	33,500	25,300	12,800	11,600	12,200
Min	9,610	9,950	10,100	9,320	9,300	10,900	11,500	14,700	9,790	8,000	9,910	8,130
Ac-ft	670,000	640,900	665,500	624,100	600,400	829,500	826,700	1,355,000	1,054,000	635,300	650,800	593,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13,900	14,810	15,380	16,310	18,460	22,160	27,070	27,760	25,140	11,830	9,765	11,500
Max	24,650	27,130	29,180	43,480	49,100	55,340	68,570	62,720	59,120	29,210	15,410	19,070
(WY)	(1985)	(1985)	(1984)	(1997)	(1997)	(1986)	(1952)	(1984)	(1921)	(1917)	(1997)	(1997)
Min	7,818	9,768	9,810	9,578	9,448	10,410	7,812	6,898	5,745	5,844	5,348	6,319
(WY)	(1925)	(1993)	(1993)	(2005)	(2005)	(1992)	(1977)	(1992)	(1992)	(1924)	(1992)	(1924)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1911 - 2008	
Annual total	3,962,220		4,611,030			
Annual mean	10,860		12,600		17,820	
Highest annual mean					33,750	1984
Lowest annual mean					8,854	1992
Highest daily mean	16,000	Mar 14	33,500	May 22	83,800	Apr 28, 1952
Lowest daily mean	7,050	Jun 23	8,000	Jul 11	4,460	Jun 7, 1992
Annual seven-day minimum	7,830	Jun 20	8,390	Sep 7	4,740	Jun 5, 1992
Annual runoff (ac-ft)	7,859,000		9,146,000		12,910,000	
10 percent exceeds	13,300		17,900		33,400	
50 percent exceeds	10,900		10,900		14,000	
90 percent exceeds	8,480		9,660		8,950	

