

Water-Data Report 2009

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.--Records fair. 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, 34,400 ft³/s June 8, gage height, 7.53 ft; minimum daily, 8,060 ft³/s Aug. 6.

13269000 SNAKE RIVER AT WEISER, ID—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10,900	11,300	10,200	10,700	9,590	10,900	11,100	22,600	20,000	23,900	8,090	e11,400
2	11,200	11,200	10,700	10,700	8,410	10,700	10,900	23,300	20,000	22,900	8,700	e10,700
3	10,800	10,700	10,300	10,700	9,120	13,400	11,600	25,100	21,300	22,700	8,200	e10,500
4	10,800	11,400	10,700	10,400	9,600	15,100	11,300	26,000	22,400	21,600	9,060	e11,400
5	11,400	10,900	10,200	11,000	9,270	13,000	11,100	28,800	25,200	21,700	8,270	e10,600
6	11,700	11,300	10,000	10,900	9,300	12,900	11,600	31,900	28,900	21,500	8,060	e10,800
7	11,500	10,800	10,200	10,900	9,450	12,400	10,900	33,200	32,100	21,900	9,140	e11,000
8	11,800	10,300	10,100	9,890	9,610	11,000	11,300	33,100	32,700	19,700	11,100	e9,400
9	11,700	10,900	10,200	11,600	8,950	10,700	12,700	31,000	30,800	18,900	12,300	e9,400
10	11,300	11,300	10,100	11,200	9,480	10,200	13,400	28,000	27,800	16,300	12,600	e10,300
11	12,200	10,400	9,650	10,700	9,280	10,000	14,000	27,100	24,200	13,500	11,800	e10,400
12	11,600	11,000	10,700	10,800	9,700	11,000	16,100	27,200	22,700	12,300	11,700	e10,400
13	11,500	11,200	10,300	10,100	9,350	10,200	18,100	25,700	21,100	12,200	10,500	e9,600
14	12,000	11,800	9,610	10,300	8,940	9,740	21,600	24,600	21,700	11,800	10,100	e9,600
15	11,900	12,300	10,300	11,200	9,780	9,980	20,400	23,700	23,000	12,100	8,860	e10,100
16	11,600	11,100	9,890	10,700	8,720	11,700	21,800	21,200	23,100	12,400	9,790	e10,000
17	11,500	11,000	9,830	10,100	9,380	13,300	22,100	20,700	21,600	12,100	9,740	e10,600
18	10,800	11,000	10,300	10,100	9,020	13,600	23,200	20,500	20,900	12,100	9,710	e10,800
19	11,100	10,500	10,100	9,020	8,970	13,400	27,600	21,200	20,600	11,800	9,830	e9,800
20	10,800	11,100	9,970	10,000	9,410	13,100	30,000	23,500	21,200	11,700	9,740	e9,900
21	10,600	10,800	9,900	9,490	9,270	13,500	29,500	23,100	21,700	10,700	9,350	e10,000
22	10,300	10,700	10,700	9,830	9,220	14,000	30,700	20,900	23,900	10,700	9,220	e9,900
23	10,200	10,700	10,400	9,830	9,350	14,700	31,900	20,400	25,300	10,700	9,330	e10,100
24	11,000	10,800	9,520	10,500	10,100	13,300	30,200	20,000	25,700	10,300	10,300	10,400
25	10,200	10,500	10,300	9,810	12,000	13,500	28,500	20,400	28,900	10,500	10,100	10,400
26	10,700	10,400	10,500	10,000	11,800	13,100	26,000	20,800	32,200	10,700	10,500	10,300
27	10,500	9,940	9,290	9,540	11,900	11,900	24,400	20,200	30,600	10,800	10,900	9,580
28	10,300	10,800	10,100	9,610	10,700	11,200	23,800	19,500	29,500	10,400	10,500	9,410
29	10,800	10,500	10,700	9,840	---	11,400	24,100	20,300	28,300	10,200	10,400	9,910
30	11,500	10,500	11,100	8,550	---	11,500	23,200	20,600	26,500	10,200	e10,500	10,200
31	11,100	---	10,700	9,220	---	11,000	---	20,500	---	8,480	e10,900	---
Total	345,300	327,140	316,560	317,230	269,670	375,420	603,100	745,100	753,900	446,780	309,290	306,900
Mean	11,140	10,900	10,210	10,230	9,631	12,110	20,100	24,040	25,130	14,410	9,977	10,230
Max	12,200	12,300	11,100	11,600	12,000	15,100	31,900	33,200	32,700	23,900	12,600	11,400
Min	10,200	9,940	9,290	8,550	8,410	9,740	10,900	19,500	20,000	8,480	8,060	9,400
Ac-ft	684,900	648,900	627,900	629,200	534,900	744,600	1,196,000	1,478,000	1,495,000	886,200	613,500	608,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13,880	14,770	15,330	16,250	18,370	22,060	27,000	27,730	25,140	11,850	9,767	11,490
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)

13269000 SNAKE RIVER AT WEISER, ID—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1911 - 2009	
Annual total	4,603,610		5,116,390			
Annual mean	12,580		14,020		17,780	
Highest annual mean					33,750	1984
Lowest annual mean					8,854	1992
Highest daily mean	33,500	May 22	33,200	May 7	83,800	Apr 28, 1952
Lowest daily mean	8,000	Jul 11	8,060	Aug 6	4,460	Jun 7, 1992
Annual seven-day minimum	8,390	Sep 7	8,410	Jul 31	4,740	Jun 5, 1992
Annual runoff (ac-ft)	9,131,000		10,150,000		12,880,000	
10 percent exceeds	17,900		24,100		33,300	
50 percent exceeds	10,900		10,900		14,000	
90 percent exceeds	9,610		9,470		8,970	

