

13317000 SALMON RIVER AT WHITE BIRD, ID

Salmon Basin
Lower Salmon Subbasin

LOCATION.--Lat 45°45'01", long 116°19'26" referenced to North American Datum of 1983, in NE ¼ NW ¼ SW ¼ sec.22, T.28 N., R.1 E., Idaho County, ID, Hydrologic Unit 17060209, White Bird quad., on left bank 0.1 mi upstream from White Bird Creek, 0.6 mi downstream from Canfield-Joseph highway bridge, 1 mi southwest of White Bird, and at mile 53.7.

DRAINAGE AREA.--13,421 mi², does not include White Bird Creek. Mean elevation, 6,760 ft, revised.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1910 to September 1917, October 1919 to current year.

REVISED RECORDS.--WSP 753: 1932. WSP 1043: Drainage area. WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,412.65 ft above NGVD of 1929. Aug. 18, 1910 to Sept. 30, 1917 and Oct. 1, 1919 to Sept. 13, 1920, nonrecording gages at site 600 ft downstream at different datum. Sept. 14, 1920 to Jan. 2, 1931, nonrecording gage on highway bridge 200 ft upstream at datum 10 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 165,000 acres, of which about 1,200 acres are irrigated by withdrawals from ground water (1966 determination). Records include flow of White Bird Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130,000 ft³/s June 17, 1974, gage height, 35.81 ft; minimum daily, 1,000 ft³/s Jan. 4, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 27	1315	*72,100	*28.51
May 17	1900	59,500	26.58
Jun 5	2200	55,000	25.84

Minimum Daily discharge, 2,900 ft³/s Dec. 24.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,450	5,510	4,910	6,090	4,210	4,190	18,400	39,600	33,200	19,600	6,260	3,870
2	4,390	5,430	4,710	5,420	4,100	4,250	19,100	36,100	39,200	19,000	6,030	3,850
3	4,380	5,180	4,350	4,930	4,020	4,150	16,500	32,800	45,500	18,300	5,830	3,840
4	4,450	5,050	4,150	4,620	3,940	4,080	14,500	30,900	47,800	17,400	5,700	3,810
5	4,570	5,110	4,060	4,460	3,710	4,120	13,500	29,700	53,500	16,300	5,600	3,770
6	5,110	5,160	3,850	4,390	3,470	4,320	12,400	27,700	52,000	15,500	5,510	3,760
7	6,060	5,150	3,440	4,470	3,430	4,490	11,400	25,700	45,300	14,800	5,420	3,710
8	6,380	4,990	3,590	4,440	3,530	4,360	10,600	25,300	39,000	14,100	5,340	3,680
9	6,200	4,960	e4,000	4,320	3,740	4,130	10,100	27,200	36,100	13,500	5,270	3,650
10	5,900	4,810	e3,820	4,190	4,050	4,250	10,300	31,900	33,300	13,100	5,200	3,630
11	6,050	4,640	3,830	4,130	4,260	4,630	11,500	35,100	30,800	12,800	5,150	3,620
12	6,760	4,770	3,680	e3,770	4,230	5,160	14,700	35,600	29,100	12,200	5,100	3,620
13	7,020	5,030	3,780	3,300	4,230	5,440	17,200	36,100	30,200	11,600	4,980	3,610
14	6,650	5,080	3,650	3,000	4,220	6,230	17,000	38,900	32,200	11,100	4,870	3,640
15	6,220	5,050	3,770	3,250	4,120	5,830	16,500	44,200	31,800	11,800	4,740	3,640
16	6,060	4,930	4,280	e3,600	4,040	9,370	16,200	51,100	32,000	12,400	4,650	3,600
17	6,550	4,720	4,350	e3,500	3,850	13,000	16,000	58,200	32,100	11,800	4,580	3,570
18	7,260	4,790	4,400	e3,600	3,770	11,600	16,300	56,600	33,700	11,200	4,470	3,570
19	6,790	5,140	4,110	3,780	3,890	9,570	17,100	51,400	32,400	10,500	4,420	3,610
20	6,390	5,070	e3,910	4,150	3,880	8,350	17,500	47,500	29,600	9,700	4,370	3,590
21	6,120	4,810	4,070	4,840	3,870	7,400	19,800	46,100	27,500	9,170	4,400	3,560
22	5,990	4,610	e3,900	5,390	4,220	7,480	25,200	50,900	27,000	8,730	4,440	3,560
23	5,920	4,990	e3,600	5,170	6,120	8,110	33,100	55,800	27,900	8,300	4,430	3,560
24	5,840	5,170	e2,900	4,670	6,200	8,450	42,200	50,000	27,900	7,970	4,300	3,600
25	5,780	5,170	e3,100	4,320	5,250	8,550	51,000	43,400	27,400	7,680	4,210	3,650
26	5,650	5,080	3,420	4,210	4,840	9,380	56,500	38,300	26,900	7,420	4,120	3,740
27	5,510	4,760	3,780	4,360	4,580	10,600	70,000	34,900	25,800	7,230	4,080	3,780
28	5,430	4,450	4,150	4,270	4,310	10,800	63,200	32,700	23,100	7,040	4,090	3,750
29	5,340	4,740	4,670	4,010	4,220	11,100	50,300	30,800	21,600	6,840	4,060	3,700
30	5,370	4,940	5,410	3,890	---	11,400	42,200	30,400	20,300	6,690	3,970	3,690
31	5,360	---	6,310	4,200	---	14,800	---	30,900	---	6,480	3,910	---
Total	179,950	149,290	125,950	132,740	122,300	229,590	750,300	1,205,800	994,200	360,250	149,500	110,230
Mean	5,805	4,976	4,063	4,282	4,217	7,406	25,010	38,900	33,140	11,620	4,823	3,674
Max	7,260	5,510	6,310	6,090	6,200	14,800	70,000	58,200	53,500	19,600	6,260	3,870
Min	4,380	4,450	2,900	3,000	3,430	4,080	10,100	25,300	20,300	6,480	3,910	3,560
Ac-ft	356,900	296,100	249,800	263,300	242,600	455,400	1,488,000	2,392,000	1,972,000	714,600	296,500	218,600
Cfsm	0.43	0.37	0.30	0.32	0.31	0.55	1.86	2.90	2.47	0.87	0.36	0.27
In.	0.50	0.41	0.35	0.37	0.34	0.64	2.08	3.34	2.76	1.00	0.41	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,746	4,919	4,503	4,221	4,408	5,555	11,770	31,960	37,920	13,390	5,355	4,374
Max	8,592	8,254	10,980	11,240	8,983	11,680	27,130	58,950	82,600	35,470	8,888	7,077
(WY)	(1963)	(1984)	(1996)	(1997)	(1996)	(1986)	(1943)	(1997)	(1974)	(1975)	(1965)	(1965)
Min	2,952	3,010	2,749	2,737	2,875	3,516	5,401	10,510	8,803	3,521	2,299	2,257
(WY)	(1932)	(1932)	(1936)	(1932)	(1932)	(1955)	(1929)	(1977)	(1992)	(1931)	(1931)	(1994)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1910 - 2012	
Annual total	5,527,050		4,510,100			
Annual mean	15,140		12,320		11,100	
Highest annual mean					17,870	1997
Lowest annual mean					5,812	1931
Highest daily mean	79,600	Jun 24	70,000	Apr 27	129,000	Jun 17, 1974
Lowest daily mean	2,860	Jan 3	2,900	Dec 24	1,000	Jan 4, 1995
Annual seven-day minimum	3,490	Jan 1	3,430	Jan 12	1,500	Jan 1, 1995
Annual runoff (ac-ft)	10,960,000		8,946,000		8,044,000	
Annual runoff (cfsm)	1.13		0.918		0.827	
Annual runoff (inches)	15.32		12.50		11.24	
10 percent exceeds	53,000		33,200		28,900	
50 percent exceeds	5,950		5,300		5,230	
90 percent exceeds	4,110		3,700		3,400	

