

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.--No estimated daily discharges. Records good. 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)
May 14	1000	*61,000	*26.82
No other peak greater than base discharge			

Minimum daily, 3,080 ft³/s, Sept. 3.

13317000 SALMON RIVER AT WHITE BIRD, ID—Continued

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	3,670	6,970	6,950	3,920	4,740	4,160	8,590	17,400	23,000	12,800	4,310	3,220
2	3,650	6,430	9,620	3,520	4,840	4,330	9,970	15,800	23,000	12,100	4,590	3,140
3	3,640	6,040	14,200	3,300	4,750	4,600	11,500	15,200	23,800	11,400	4,830	3,080
4	3,630	5,690	12,200	3,180	4,620	4,810	13,200	15,700	23,900	10,900	4,610	3,110
5	3,620	5,450	11,700	3,190	4,600	4,710	15,000	16,700	24,200	10,500	4,360	3,260
6	3,670	5,310	12,900	3,600	4,720	4,510	16,300	18,900	25,300	10,100	4,200	3,730
7	3,720	5,220	11,200	3,950	4,740	4,530	16,900	22,900	26,700	9,570	4,030	4,050
8	3,770	5,190	9,890	4,220	4,740	4,620	16,800	28,700	28,200	9,070	3,900	3,870
9	3,810	5,170	8,630	4,780	4,600	4,510	15,200	35,100	28,100	8,600	3,800	3,560
10	3,850	5,180	7,610	5,190	4,620	4,420	13,600	41,000	27,400	8,140	3,780	3,430
11	3,880	5,030	7,120	5,210	4,480	4,450	12,600	45,300	26,100	7,710	3,850	3,370
12	3,900	4,780	7,080	4,820	4,300	4,580	12,100	48,500	24,900	7,410	3,810	3,280
13	3,950	4,470	6,930	4,180	4,220	4,800	12,000	53,600	23,600	7,180	3,800	3,170
14	4,010	4,610	6,550	3,520	4,310	5,150	12,000	59,900	23,000	6,940	3,760	3,210
15	4,050	4,770	6,180	3,330	4,410	5,720	11,500	57,700	21,800	6,650	3,680	3,560
16	4,170	4,740	6,090	3,380	4,500	6,440	10,900	51,400	19,600	6,390	3,560	3,520
17	4,560	4,690	6,030	3,460	4,520	7,180	10,200	46,600	18,100	6,250	3,460	3,470
18	4,800	4,970	5,900	3,440	4,570	7,250	9,710	44,000	17,200	6,320	3,380	3,470
19	4,620	5,220	5,560	3,460	4,520	6,790	9,400	40,400	17,600	6,130	3,320	3,560
20	4,560	5,280	4,960	3,460	4,450	6,390	9,550	36,300	18,000	5,850	3,240	3,620
21	4,790	6,610	4,560	3,450	4,480	6,750	9,640	34,800	17,000	5,580	3,180	3,510
22	4,810	7,370	4,940	3,510	4,350	7,010	9,630	34,000	15,600	5,390	3,150	3,420
23	4,680	6,480	5,150	3,680	4,330	6,570	9,480	31,500	14,900	5,220	3,150	3,430
24	4,640	5,890	5,180	4,010	4,450	6,040	9,210	29,000	14,400	5,050	3,160	3,580
25	4,540	5,670	5,150	4,200	4,320	5,730	9,140	26,700	14,500	4,890	3,220	3,980
26	4,480	5,520	5,210	4,560	4,200	5,680	9,550	25,000	15,400	4,780	3,230	4,450
27	4,490	5,130	4,960	4,960	4,120	5,870	10,900	25,000	16,000	4,710	3,310	4,690
28	4,670	4,720	5,090	5,220	4,090	6,020	13,200	25,400	15,600	4,640	3,310	4,620
29	5,340	4,660	4,950	4,980	---	6,410	16,500	25,700	14,400	4,570	3,340	4,820
30	7,270	5,280	4,670	4,770	---	6,940	18,500	25,600	13,500	4,460	3,340	7,750
31	7,570	---	4,240	4,790	---	7,580	---	24,300	---	4,370	3,300	---
Total	136,810	162,540	221,400	125,240	125,590	174,550	362,770	1,018,100	614,800	223,670	113,960	112,930
Mean	4,413	5,418	7,142	4,040	4,485	5,631	12,090	32,840	20,490	7,215	3,676	3,764
Max	7,570	7,370	14,200	5,220	4,840	7,580	18,500	59,900	28,200	12,800	4,830	7,750
Min	3,620	4,470	4,240	3,180	4,090	4,160	8,590	15,200	13,500	4,370	3,150	3,080
Ac-ft	271,400	322,400	439,100	248,400	249,100	346,200	719,600	2,019,000	1,219,000	443,600	226,000	224,000
Cfs/m	0.33	0.40	0.53	0.30	0.33	0.42	0.90	2.45	1.53	0.54	0.27	0.28
In.	0.38	0.45	0.61	0.35	0.35	0.48	1.01	2.82	1.70	0.62	0.32	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,743	4,924	4,529	4,219	4,409	5,555	11,770	31,970	37,750	13,330	5,339	4,368
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)

13317000 SALMON RIVER AT WHITE BIRD, ID—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1910 - 2013	
Annual total	4,575,660		3,392,360		11,090	
Annual mean	12,500		9,294		11,090	
Highest annual mean					17,870	1997
Lowest annual mean					5,812	1931
Highest daily mean	70,000	Apr 27	59,900	May 14	129,000	Jun 17, 1974
Lowest daily mean	3,000	Jan 14	3,080	Sep 3	1,000	Jan 4, 1995
Annual seven-day minimum	3,430	Jan 12	3,190	Aug 20	1,500	Jan 1, 1995
Annual runoff (ac-ft)	9,076,000		6,729,000		8,031,000	
Annual runoff (cfs)	0.932		0.693		0.826	
Annual runoff (inches)	12.68		9.40		11.22	
10 percent exceeds	33,200		23,000		28,800	
50 percent exceeds	5,420		5,090		5,230	
90 percent exceeds	3,710		3,460		3,400	

