13139500 BIG WOOD RIVER AT HAILEY, ID

Upper Snake Basin
Big Wood Subbasin

LOCATION.--Lat 43°31′02″, long 114°19′18″ referenced to North American Datum of 1983, in SW ¼ NE ¼ SW ¼ sec.9, T.2 N., R.18 E., Blaine County, ID, Hydrologic Unit 17040219, on left bank, 15 ft upstream from county road crossing, 0.2 mi southwest of Hailey, 0.4 mi upstream from Croy Creek, and at mile 91.0.

DRAINAGE AREA.--640 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July to December 1889, June 1915 to current year. Published as "Wood River at Hailey" in 1889. Previously published as station 13139510 "Big Wood River and Big Wood Slough combined discharge at Hailey, Idaho". Statistical data for the period of record is stored as station number 13139510 but is published with this table.

REVISED RECORDS.--WDR ID-81-1: 1974-80 average discharge.

GAGE.--Water-stage recorder. Datum of gage is 5,295.42 ft above NGVD of 1929. July to December 1889, nonrecording gage at nearby site at different datum. June 11, 1915 to Nov. 15, 1934, nonrecording gages at present site at different datum. Nov. 16, 1934 to Oct. 15, 1970, at datum 2.00 ft higher. Nov. 10, 1971 to Sept. 30, 1972, nonrecording gages at different sites at present datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes telemetry. Diversions above station for irrigation of about 10,000 acres (1966 determination), of which about 1,200 acres are below station. Storage above station is negligible.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,800 ft³/s May 21, 2006, gage height, 7.92 ft; maximum gage height, 10.66 ft, June 12, 1921, present datum; minimum daily, 15 ft³/s Dec. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,800 ft³/s May 21, gage height 7.92 ft; minimum daily, 99 ft³/s Dec. 8.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	157	171	144	173	154	172	210	2,820	1,800	1,370	414	234
2	158	170	143	178	149	167	194	2,620	2,010	1,300	401	229
3	168	170	131	173	154	168	196	2,410	2,410	1,240	388	224
4	176	178	e120	168	154	169	277	2,370	2,810	1,190	376	220
5	173	171	e106	153	151	160	455	2,220	2,970	1,160	367	218
6	178	184	e110	150	e135	167	540	2,350	3,010	1,160	355	214
7	183	194	e107	164	e132	163	484	2,470	3,280	1,080	350	211
8	185	210	e99	165	e140	153	486	2,380	4,140	992	336	224
9	191	198	e100	e133	149	161	481	2,360	4,240	925	322	241
10	181	187	e100	152	e135	e140	496	2,200	3,650	853	310	239
11	180	190	e115	164	e137	153	511	2,220	3,080	829	298	221
12	180	184	e130	e153	e143	e141	510	2,470	2,790	822	290	212
13	178	172	e128	154	146	147	574	2,860	3,040	781	292	207
14	175	183	e132	162	149	157	769	3,150	2,880	728	283	208
15	173	148	e125	165	149	153	836	3,610	2,430	701	277	225
16	176	169	e125	e135	148	151	927	4,100	2,080	674	272	229
17	175	174	e125	140	e145	151	840	4,460	2,010	641	265	229
18	174	158	e133	155	e134	151	754	5,070	2,000	620	263	225
19	173	168	144	e145	e132	150	700	5,530	1,970	590	259	224
20	173	161	148	e137	e123	153	718	6,320	1,960	551	252	254
21	173	161	153	e138	e130	153	842	6,640	1,830	528	248	251
22	172	158	181	e133	e134	150	1,050	5,870	1,720	516	246	245
23	171	154	185	e131	e137	151	1,380	4,870	1,690	507	239	243
24	169	147	173	e140	142	153	1,610	4,100	1,630	532	240	239
25	168	150	170	e142	139	160	1,390	3,750	1,600	557	245	234
26	166	170	174	e141	140	175	1,310	3,760	1,650	549	258	229
27	171	143	174	e152	148	168	1,490	3,240	1,610	492	247	224
28	180	e120	184	151	169	174	1,910	2,750	1,520	467	237	221
29	178	e122	192	147	---	188	2,170	2,350	1,460	449	232	219
30	174	e135	181	154	---	192	2,670	2,040	1,410	431	229	215
31	170	---	183	152	---	203	---	1,840	---	420	232	---
Total	5,399	5,000	4,415	4,700	3,998	4,994	26,780	105,200	70,680	23,655	9,023	6,808
Mean	174	167	142	152	143	161	893	3,394	2,356	763	291	227
Max	191	210	192	178	169	203	2,670	6,640	4,240	1,370	414	254
Min	157	120	99	131	123	140	194	1,840	1,410	420	229	207
Ac-ft	10,710	9,920	8,760	9,320	7,930	9,910	53,120	208,700	140,200	46,920	17,900	13,500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	201	186	159	154	150	187	522	1,288	1,463	647	262	203
Max	427	430	324	307	275	475	1,418	3,394	3,272	2,196	685	446
(WY)	(1984)	(1984)	(1984)	(1997)	(1984)	(1986)	(1943)	(2006)	(1983)	(1995)	(1965)	(1965)
Min	84.2	92.4	95.1	79.4	95.4	108	151	201	235	111	74.9	63.4
(WY)	(1935)	(1932)	(1932)	(1932)	(1932)	(1932)	(1977)	(1977)	(1934)	(1931)	(1934)	(1994)

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SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1916 - 2006	
Annual total	148,474		270,652			
Annual mean	407		742		453	
Highest annual mean					842	1983
Lowest annual mean					170	1931
Highest daily mean	3,640	May 20	6,640	May 21	6,640	May 21, 2006
Lowest daily mean	90	Feb 15	99	Dec 8	15	Dec 27, 1931
Annual seven-day minimum	105	Dec 5	105	Dec 5	57	Aug 28, 1931
Annual runoff (ac-ft)	294,500		536,800		328,000	
10 percent exceeds	1,090		2,370		1,170	
50 percent exceeds	174		203		207	
90 percent exceeds	119		140		121