Water-Data Report 2012

13139510 BIG WOOD RIVER AT HAILEY, ID TOTAL FLOW

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, Hailey quad., 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 84.8 (Revised).

DRAINAGE AREA.--614 mi^2, approximately. Mean elevation, 7,620 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July to December 1889, June 1915 to current year. Published as "Wood River at Hailey" in 1889. Total flow at Hailey published as station 13139510 "Big Wood River and Big Wood Slough combined discharge at Hailey, Idaho" from July 1915 to September 1973. Total flow at Hailey published as station 13139500 from October 1973 to September 2006, with statistical data stored with station number 13139510. All statistical data for the period of record is stored as station number 13139510.

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 Oct. 1 to Dec. 6 and estimated daily discharges, which are fair. Station equipment includes crest stage gage and satellite 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 ft^3/s May 21, 2006, gage height, 7.92 ft; maximum gage height, 10.66 ft, June 12, 1921, present datum; minimum daily, 15 ft^3/s Dec. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,600 ft^3/s April 27, gage height, 5.61 ft; minimum daily, 129 ft^3/s Dec. 6.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 13139510, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/13139510.2012.pdf

13139510 BIG WOOD RIVER AT HAILEY, ID TOTAL FLOW—Continued

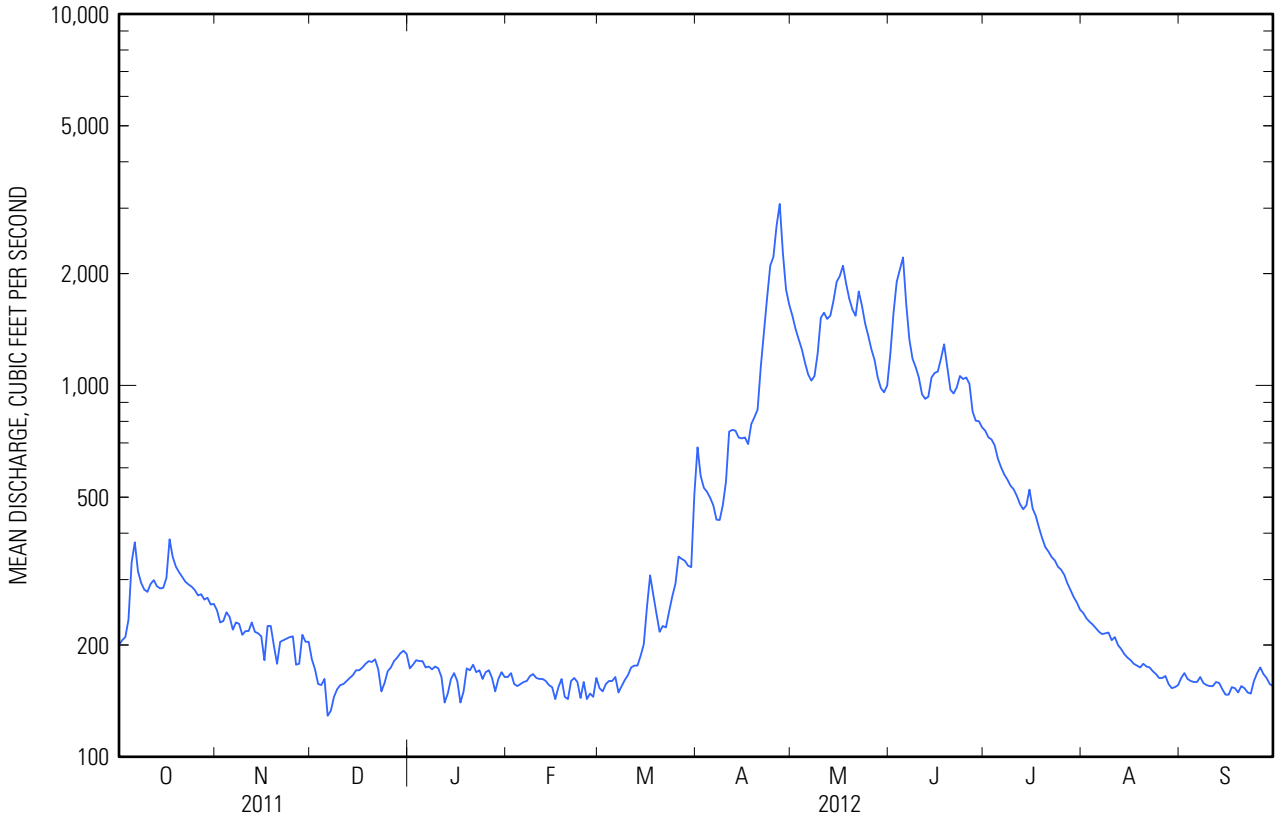
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	200	248	183	173	164	153	681	1,540	1,220	755	244	163
2	206	230	172	177	168	150	570	1,420	1,570	725	236	168
3	210	232	157	182	157	157	530	1,330	1,900	715	231	162
4	234	245	156	181	155	160	517	1,250	2,050	689	227	160
5	334	238	162	181	157	160	498	1,150	2,210	635	222	159
6	378	220	129	174	159	164	475	1,070	1,660	602	217	159
7	316	230	133	175	160	149	435	1,030	1,330	576	214	164
8	294	228	145	172	165	155	434	1,060	1,180	558	215	158
9	282	213	152	175	167	161	476	1,220	1,120	537	216	156
10	278	218	156	173	163	166	551	1,520	1,050	525	206	155
11	292	218	157	164	162	174	751	1,570	947	504	210	155
12	299	230	160	e140	162	176	759	1,510	920	479	200	159
13	288	217	163	148	160	176	755	1,540	932	464	195	158
14	284	215	166	162	156	187	724	1,690	1,050	475	189	152
15	285	211	171	168	154	201	720	1,900	1,080	524	185	147
16	303	182	171	e160	143	253	724	1,970	1,090	466	182	147
17	385	225	174	e140	154	308	695	2,100	1,180	445	178	154
18	345	225	178	e150	162	273	787	1,880	1,290	414	176	153
19	325	199	181	173	145	243	821	1,710	1,120	388	174	149
20	314	178	180	171	143	217	861	1,600	973	367	178	155
21	305	204	183	177	160	225	1,120	1,540	951	357	175	153
22	296	206	172	169	163	223	1,390	1,790	988	345	174	149
23	291	208	e150	171	159	246	1,720	1,640	1,060	338	170	148
24	287	210	158	162	144	270	2,100	1,470	1,040	325	167	160
25	281	211	170	169	159	292	2,220	1,360	1,050	319	163	168
26	272	177	174	171	143	346	2,690	1,250	1,010	309	163	174
27	274	178	181	163	148	341	3,080	1,170	851	293	165	167
28	265	213	185	e150	145	337	2,270	1,050	803	281	157	163
29	268	204	190	162	163	327	1,810	983	801	269	153	157
30	257	204	193	169	---	324	1,650	958	771	260	154	155
31	258	---	189	164	---	510	---	1,000	---	249	156	---
Total	8,906	6,417	5,191	5,166	4,540	7,224	32,814	44,271	35,197	14,188	5,892	4,727
Mean	287	214	167	167	157	233	1,094	1,428	1,173	458	190	158
Max	385	248	193	182	168	510	3,080	2,100	2,210	755	244	174
Min	200	177	129	140	143	149	434	958	771	249	153	147
Ac-ft	17,670	12,730	10,300	10,250	9,010	14,330	65,090	87,810	69,810	28,140	11,690	9,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	202	187	158	154	150	187	519	1,271	1,456	645	260	200
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)

13139510 BIG WOOD RIVER AT HAILEY, ID TOTAL FLOW—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1916 - 2012	
Annual total	196,105		174,533			
Annual mean	537		477		450	
Highest annual mean					842	1983
Lowest annual mean					170	1931
Highest daily mean	2,680	Jun 24	3,080	Apr 27	6,640	May 21, 2006
Lowest daily mean	125	Jan 1	129	Dec 6	15	Dec 27, 1931
Annual seven-day minimum	137	Mar 7	147	Dec 6	57	Aug 28, 1931
Annual runoff (ac-ft)	389,000		346,200		325,900	
10 percent exceeds	1,650		1,250		1,160	
50 percent exceeds	250		218		206	
90 percent exceeds	145		155		122