

Water-Data Report 2013

**09213500 BIG SANDY RIVER NEAR FARSON, WY**

Upper Green Basin  
Big Sandy Subbasin

LOCATION.--Lat 42°19'01", long 109°29'06" referenced to North American Datum of 1927, in NW ¼ SE ¼ NW ¼ sec.17, T.27 N., R.106 W., Sublette County, WY, Hydrologic Unit 14040104, on left upstream side of Eden Canal diversion, about 1.0 mi upstream from high-water line of Big Sandy Reservoir, 24.5 mi upstream from Little Sandy Creek, and 14.5 mi north of Farson.

DRAINAGE AREA.--322 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1914 to September 1917, October 1920 to October 1924, October 1926 to September 1934, April 1953 to current year (no winter records since 1971). Prior to October 1968, published as Big Sandy Creek near Farson. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1733: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,770 ft above NGVD of 1929, from topographic map. Prior to April 28, 1921, nonrecording gage, and April 28, 1921 to August 3, 1934, water-stage recorder at site 0.5 mi upstream from station at different datum. April 17, 1953 to November 11, 1954, water-stage recorder at site 1.5 mi upstream from station at different datum. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation upstream from station. Water diverted to Eden Canal bypasses the station; the Eden Canal headgate has not been used since the station was established at the present site.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft<sup>3</sup>/s, June 3, 1986, gage height, 8.46 ft; minimum daily discharge, 0 ft<sup>3</sup>/s, January 27-31, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 470 ft<sup>3</sup>/s, May 16, gage height, 6.35 ft; minimum daily discharge, 6.0 ft<sup>3</sup>/s, August 19.

## 09213500 BIG SANDY RIVER NEAR FARSON, WY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	---	---	---	---	---	---	51	155	73	19	7.5
2	15	---	---	---	---	---	---	50	130	74	17	7.7
3	9.4	---	---	---	---	---	---	48	133	69	15	8.7
4	9.4	---	---	---	---	---	---	49	171	69	13	7.5
5	13	---	---	---	---	---	---	50	183	80	12	7.9
6	14	---	---	---	---	---	---	56	176	68	10	9.4
7	19	---	---	---	---	---	---	61	198	62	9.1	10
8	21	---	---	---	---	---	---	66	193	63	7.7	12
9	11	---	---	---	---	---	---	71	237	65	7.6	e17
10	10	---	---	---	---	---	---	88	266	59	6.9	e18
11	10	---	---	---	---	---	---	116	318	55	7.2	e17
12	9.6	---	---	---	---	---	---	157	320	51	7.8	17
13	9.9	---	---	---	---	---	---	196	251	49	9.1	17
14	9.2	---	---	---	---	---	---	311	223	46	7.9	16
15	8.8	---	---	---	---	---	---	405	199	45	6.9	28
16	9.2	---	---	---	---	---	---	416	165	43	6.4	38
17	10	---	---	---	---	---	---	397	142	55	9.2	42
18	11	---	---	---	---	---	---	412	129	47	11	45
19	13	---	---	---	---	---	---	372	120	39	6.0	44
20	14	---	---	---	---	---	35	291	113	35	8.0	43
21	11	---	---	---	---	---	34	258	102	32	8.2	37
22	11	---	---	---	---	---	33	234	93	30	7.4	35
23	15	---	---	---	---	---	36	195	86	28	10	32
24	---	---	---	---	---	---	35	207	79	26	8.8	28
25	---	---	---	---	---	---	32	245	70	26	9.6	27
26	---	---	---	---	---	---	32	231	69	24	11	28
27	---	---	---	---	---	---	32	241	74	23	e11	35
28	---	---	---	---	---	---	35	243	72	22	e10	37
29	---	---	---	---	---	---	41	254	73	21	e11	41
30	---	---	---	---	---	---	48	229	73	25	12	38
31	---	---	---	---	---	---	---	199	---	22	9.4	---
<b>Total</b>	---	---	---	---	---	---	---	6,199	4,613	1,426	305.2	750.7
<b>Mean</b>	---	---	---	---	---	---	---	200	154	46.0	9.85	25.0
<b>Max</b>	---	---	---	---	---	---	---	416	320	80	19	45
<b>Min</b>	---	---	---	---	---	---	---	48	69	21	6.0	7.5
<b>Ac-ft</b>	---	---	---	---	---	---	---	12,300	9,150	2,830	605	1,490

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