Water-Data Report 2011

13087995 SNAKE RIVER GAGING STATION AT MILNER, ID

Upper Snake Basin
Upper Snake-Rock Subbasin

LOCATION.--Lat 42°31′41″, long 114°01′06″ referenced to North American Datum of 1983, in SW ¼ NE ¼ sec.29, T.10 S., R.21 E., Twin Falls County, ID, Hydrologic Unit 17040212, Milner quad., on left bank 200 ft downstream from highway bridge at Milner, 0.4 mi downstream from Milner Dam, and at mile 638.7.

DRAINAGE AREA.--20,700 mi^2, approximately. Mean elevation, 6,230 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1992 to current year (see REMARKS).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 4,062.9 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good except for discharges of 10 ft^3/s or less, which are fair. Station equipment includes satellite telemetry. Flow regulated by American Falls Reservoir, Lake Walcott, Milner Lake, and other reservoirs having a combined usable capacity of about 4,700,000 acre-ft. The flow at this site represents discharge to Snake River passing through Milner Dam. Former station number for this gaging station, 13088000, represents combined flow to Snake River from this site and from 13087505 Lower Milner Power Plant, which began operation November 1992. Considerable water leaks into the Snake River Plain aquifer above station. Diversions above station for irrigation of about 1,990,000 acres, of which about 504,000 acres are irrigated by withdrawals from ground water, and about 436,000 acres are irrigated below station. Return flow in large part enters Snake River between Milner and King Hill stations. Prior to 1993 water year, at times, practically entire flow was diverted during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,300 ft^3/s June 22, 1997, gage height, 21.14 ft; minimum daily, 0.18 ft^3/s Sept. 9, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,300 ft^3/s June 1, gage height, 17.33 ft; minimum discharge, 0.20 ft^3/s Mar. 26, 29, 30, and July 3, gage height, 0.91 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 13087995, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/13087995.2011.pdf

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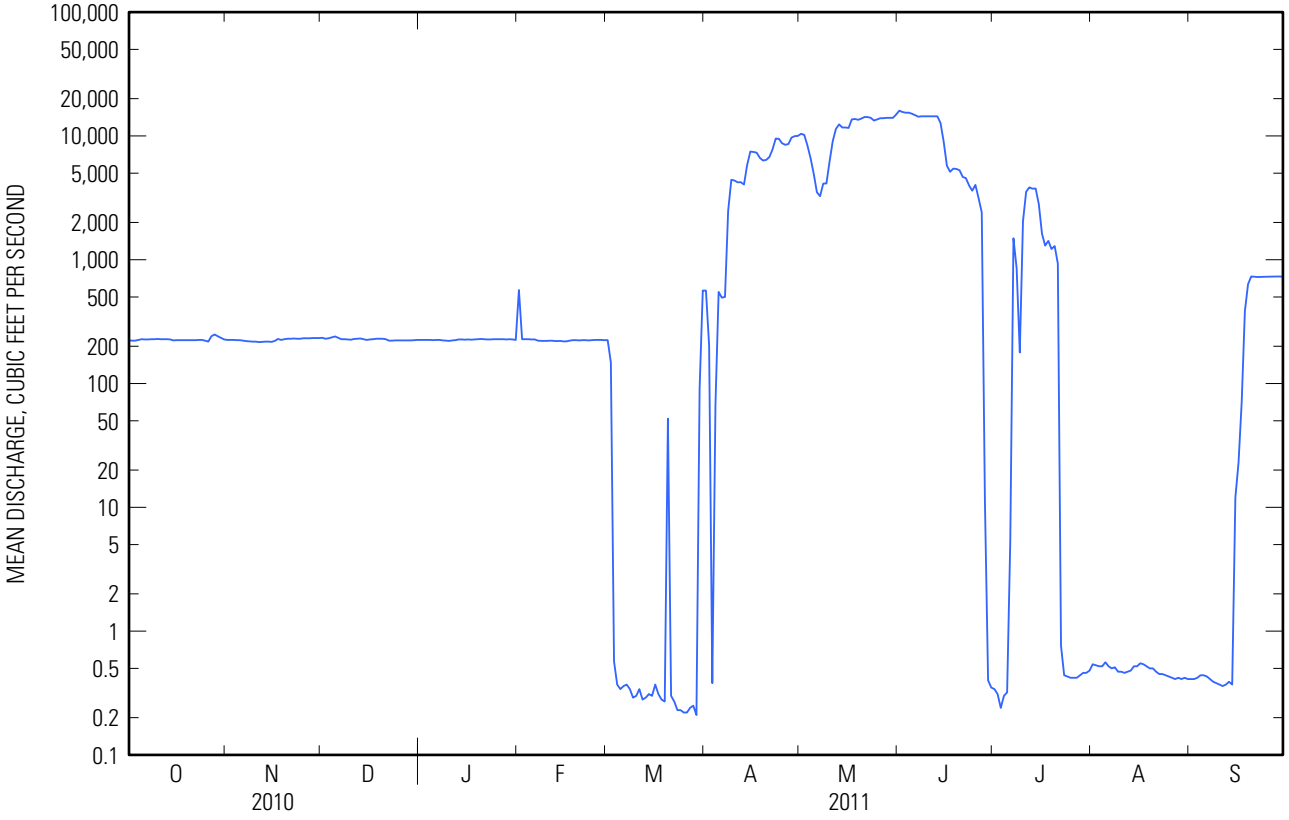
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	223	225	234	225	569	224	563	10,400	16,000	0.34	0.54	0.41
2	222	225	230	225	228	148	202	10,200	15,600	0.31	0.53	0.41
3	222	225	232	225	228	0.57	0.38	8,390	15,400	0.24	0.52	0.42
4	225	224	236	225	228	0.37	68	6,610	15,400	0.30	0.52	0.44
5	228	224	240	224	227	0.34	549	4,940	15,100	0.32	0.56	0.44
6	227	222	234	225	227	0.36	494	3,510	14,700	5.4	0.52	0.43
7	227	220	228	225	222	0.37	500	3,260	14,300	1,490	0.50	0.41
8	228	219	228	223	221	0.34	2,480	4,120	14,400	853	0.51	0.39
9	228	218	227	222	221	0.29	4,420	4,130	14,400	178	0.47	0.38
10	229	218	226	221	221	0.30	4,360	6,230	14,400	2,040	0.47	0.37
11	228	216	229	223	222	0.34	4,220	9,090	14,400	3,540	0.46	0.36
12	228	217	230	224	221	0.28	4,230	11,400	14,400	3,840	0.47	0.37
13	228	218	231	227	220	0.29	4,050	12,400	14,400	3,750	0.48	0.39
14	227	218	228	227	221	0.31	5,840	11,700	12,700	3,760	0.52	0.37
15	223	217	225	226	219	0.30	7,480	11,700	8,950	2,810	0.52	12
16	224	221	227	227	219	0.37	7,420	11,600	5,750	1,620	0.55	23
17	224	229	228	226	222	0.31	7,320	13,600	5,130	1,300	0.54	71
18	224	225	230	227	224	0.28	6,650	13,700	5,440	1,420	0.52	384
19	224	228	230	228	224	0.27	6,330	13,500	5,410	1,220	0.50	635
20	224	230	230	229	223	52	6,400	13,800	5,280	1,290	0.50	732
21	224	230	228	228	224	0.30	6,750	14,200	4,660	930	0.47	729
22	224	231	222	227	224	0.27	7,780	14,200	4,560	0.76	0.45	725
23	225	230	222	227	223	0.23	9,510	14,000	3,980	0.44	0.45	726
24	225	230	223	228	224	0.23	9,480	13,300	3,610	0.43	0.44	728
25	222	232	223	228	225	0.22	8,730	13,600	4,020	0.42	0.43	729
26	218	232	223	228	225	0.22	8,480	13,900	3,140	0.42	0.42	730
27	241	232	223	228	225	0.24	8,590	13,900	2,410	0.42	0.41	731
28	249	233	223	227	224	0.25	9,700	14,000	11	0.44	0.42	732
29	241	233	223	228	---	0.21	9,960	14,000	0.40	0.46	0.41	732
30	234	233	224	227	---	92	10,000	14,000	0.35	0.46	0.42	728
31	227	---	225	225	---	564	---	14,900	---	0.48	0.41	---
Total	7,043	6,755	7,062	7,005	6,601	1,087.86	162,556.38	338,280	267,951.75	30,052.64	14.93	9,152.59
Mean	227	225	228	226	236	35.1	5,419	10,910	8,932	969	0.48	305
Max	249	233	240	229	569	564	10,000	14,900	16,000	3,840	0.56	732
Min	218	216	222	221	219	0.21	0.38	3,260	0.35	0.24	0.41	0.36
Ac-ft	13,970	13,400	14,010	13,890	13,090	2,160	322,400	671,000	531,500	59,610	30	18,150

	Calendar Year 2010	Water Year 2011
Total	83,678	843,562.15
Mean	229	2,311
Max	500	16,000
Min	216	0.21
Ac-ft	166,000	1,673,000

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