

Water-Data Report 2009

06301495 CONEY CREEK BELOW TWIN LAKES, NEAR BIG HORN, WY

Tongue Basin
Upper Tongue Subbasin

LOCATION.--Lat 44°36'34", long 107°18'12" referenced to North American Datum of 1927, in sec.35, T.54 N., R.87 W., Sheridan County, WY, Hydrologic Unit 10090101, Bighorn National Forest, 30 ft downstream from Twin Lakes Reservoir, 0.4 mi upstream from mouth, and 16.2 mi southwest of Big Horn.

DRAINAGE AREA.--8.07 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1990 to September 1994, October 1995 to September 2009 (discontinued). No winter records 1993, 1994, 1996, 1998-2009. Records not equivalent prior to October 1998, because of undetermined flow from dam spillway bypassing current gage location.

GAGE.--Water-stage recorder and concrete weir. Elevation of gage is 8,560 ft above NGVD of 1929, from topographic map. October 1990 to September 1998, at site 0.2 mi downstream 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. Flow regulated by Twin Lakes Reservoir, capacity, 3,400 acre-ft. Seasonal records collected by Wyoming State Engineer's Office at site 0.2 mi downstream from station, at different datum, 1971-90.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 223 ft³/s, May 29, 1993, gage height, 3.16 ft, may have been higher during short duration reservoir release on this date, site and datum then in use; maximum gage height, 4.32 ft, May 1, 1997, backwater from ice and snow, site and datum then in use; minimum daily discharge, 0.03 ft³/s, January 20, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14 ft³/s, Aug. 27, gage height, 1.12 ft; minimum daily discharge, 0.81 cfs, May 9, 10.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.9	---	---	---	---	---	---	---	0.88	1.00	1.2	13
2	9.9	---	---	---	---	---	---	---	0.87	1.00	1.2	13
3	---	---	---	---	---	---	---	---	0.87	1.0	1.2	13
4	---	---	---	---	---	---	---	e0.84	0.89	1.1	1.2	13
5	---	---	---	---	---	---	---	e0.84	0.90	1.1	1.2	13
6	---	---	---	---	---	---	---	e0.83	0.90	1.1	1.3	13
7	---	---	---	---	---	---	---	e0.83	0.87	1.1	1.3	13
8	---	---	---	---	---	---	---	0.82	0.93	1.1	1.3	13
9	---	---	---	---	---	---	---	0.81	0.94	1.1	1.3	13
10	---	---	---	---	---	---	---	0.81	0.94	1.1	1.3	13
11	---	---	---	---	---	---	---	0.84	0.93	1.1	1.3	13
12	---	---	---	---	---	---	---	0.84	0.95	1.1	1.3	13
13	---	---	---	---	---	---	---	0.82	0.96	1.1	1.3	13
14	---	---	---	---	---	---	---	0.82	0.97	1.1	1.3	13
15	---	---	---	---	---	---	---	0.83	0.95	1.1	1.3	13
16	---	---	---	---	---	---	---	0.85	1.00	1.1	1.3	13
17	---	---	---	---	---	---	---	0.92	1.0	1.1	1.3	13
18	---	---	---	---	---	---	---	0.96	1.0	1.1	1.3	13
19	---	---	---	---	---	---	---	0.94	1.0	1.1	1.3	13
20	---	---	---	---	---	---	---	0.85	1.0	1.1	6.0	13
21	---	---	---	---	---	---	---	0.86	1.0	1.1	9.9	13
22	---	---	---	---	---	---	---	0.87	0.99	1.1	9.9	13
23	---	---	---	---	---	---	---	0.92	0.94	1.1	9.9	13
24	---	---	---	---	---	---	---	0.92	0.94	1.1	9.9	13
25	---	---	---	---	---	---	---	0.92	1.00	1.2	9.9	13
26	---	---	---	---	---	---	---	0.91	1.00	1.2	9.8	13
27	---	---	---	---	---	---	---	0.92	1.00	1.2	12	13
28	---	---	---	---	---	---	---	0.94	1.00	1.2	14	12
29	---	---	---	---	---	---	---	0.95	1.00	1.2	14	8.9
30	---	---	---	---	---	---	---	0.93	0.99	1.2	14	6.3
31	---	---	---	---	---	---	---	0.92	---	1.2	13	---
Total	---	---	---	---	---	---	---	---	28.61	34.50	156.5	378.2
Mean	---	---	---	---	---	---	---	---	0.95	1.11	5.05	12.6
Max	---	---	---	---	---	---	---	---	1.0	1.2	14	13
Min	---	---	---	---	---	---	---	---	0.87	1.0	1.2	6.3
Ac-ft	---	---	---	---	---	---	---	---	57	68	310	750

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