

Water-Data Report 2010

13016240 LAKE CREEK BELOW GRANITE CREEK SUPPLEMENTAL, NEAR MOOSE, WY

Snake Headwaters Basin

Greys-Hoback Subbasin

LOCATION.--Lat 43°36'49", long 110°46'44" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec.9, T.42 N., R.116 W., Teton County, WY, Hydrologic Unit 17040103, Grand Teton National Park, on left bank 60 ft downstream of Granite Creek Supplemental, 3.2 mi northeast of Teton Village and 4.3 mi southwest of Moose, and approximately 7.5 mi upstream from mouth.

DRAINAGE AREA.--22.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.-- June 29, 1995 to September 30, 1999, July 3, 2008 to current year (no winter records).

GAGE.--Water stage recorder. Elevation of gage is 6,690 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Major diversion on Lake Creek is located about 60 ft upstream, at the confluence of Granite Creek Supplemental, which diverts water from the Snake River 0.6 miles upstream, and Lake Creek. This structure is used to direct the combined water from Granite Creek Supplemental and Lake Creek to Granite Creek and (or) Lake Creek, which are both used as irrigation sources.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 499 ft³/s, June 19, 1997, gage height 3.64 ft; minimum daily discharge, 1.3 ft³/s, May 17, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 439 ft³/s, June 8, gage height 3.36 ft; minimum daily discharge, 1.3 ft³/s, May 17.

13016240 LAKE CREEK BELOW GRANITE CREEK SUPPLEMENTAL, NEAR MOOSE, WY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	34	---	---	---	---	---	---	20	43	200	143	27
2	35	---	---	---	---	---	---	17	100	194	136	29
3	35	---	---	---	---	---	---	15	135	166	127	28
4	35	---	---	---	---	---	---	15	290	125	124	24
5	35	---	---	---	---	---	---	13	324	98	105	22
6	29	---	---	---	---	---	---	12	232	81	74	22
7	24	---	---	---	---	---	---	10	257	58	65	21
8	20	---	---	---	---	---	---	9.2	345	73	52	21
9	17	---	---	---	---	---	---	8.6	270	174	50	22
10	14	---	---	---	---	---	---	8.2	235	209	48	29
11	13	---	---	---	---	---	---	8.2	207	212	44	27
12	12	---	---	---	---	---	---	7.7	172	215	41	24
13	13	---	---	---	---	---	---	5.7	144	249	40	23
14	13	---	---	---	---	---	---	5.2	123	231	39	22
15	14	---	---	---	---	---	---	5.3	126	207	37	22
16	13	---	---	---	---	---	---	4.3	173	194	35	21
17	13	---	---	---	---	---	---	1.3	200	169	34	21
18	12	---	---	---	---	---	---	1.7	148	156	32	20
19	12	---	---	---	---	---	---	4.6	101	128	30	20
20	12	---	---	---	---	---	---	7.8	85	91	30	20
21	12	---	---	---	---	---	---	9.0	139	85	28	19
22	12	---	---	---	---	---	---	9.4	197	82	27	19
23	12	---	---	---	---	---	---	7.9	207	71	29	14
24	13	---	---	---	---	---	---	15	170	65	29	12
25	12	---	---	---	---	---	---	22	137	59	28	12
26	11	---	---	---	---	---	---	10	162	65	26	11
27	12	---	---	---	---	---	---	14	175	123	23	11
28	---	---	---	---	---	---	16	20	174	161	24	9.2
29	---	---	---	---	---	---	24	26	173	158	29	9.0
30	---	---	---	---	---	---	23	28	187	152	27	9.0
31	---	---	---	---	---	---	---	24	---	146	26	---
Total	---	---	---	---	---	---	---	362.1	5,431	4,397	1,582	590.2
Mean	---	---	---	---	---	---	---	11.7	181	142	51.0	19.7
Max	---	---	---	---	---	---	---	28	345	249	143	29
Min	---	---	---	---	---	---	---	1.3	43	58	23	9.0
Ac-ft	---	---	---	---	---	---	---	718	10,770	8,720	3,140	1,170

13016240 LAKE CREEK BELOW GRANITE CREEK SUPPLEMENTAL, NEAR MOOSE, WY—Continued

