

Water-Data Report 2010

13087900 MILNER LAKE AT MILNER DAM, ID

Upper Snake Basin
Lake Walcott Subbasin

LOCATION.--Lat 42°31'23", long 114°00'48" referenced to North American Datum of 1983, in SW ¼ NE ¼ SE ¼ sec.29, T.10 S., R.21 E., Twin Falls County, ID, Hydrologic Unit 17040209, Milner quad., near left end of Milner Dam on Snake River at Milner, at mile 639.1.

DRAINAGE AREA.--17,180 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1974 to current year. Prior to October 1989, published as "Lake Milner."

GAGE.--Water-stage recorder. Datum of gage is 4,122.51 ft above NGVD of 1929. October 1974 to May 1978, nonrecording gage at same site and datum.

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by a concrete gravity dam constructed in 1904 with first diversions in 1905. The dam is primarily a diversion dam. Capacity is a function of the river flow and the lake elevation at the dam. No precise limits on capacity can be set, but computations indicate 50,200 acre-ft of usable storage at a lake gage reading of 11.5 ft and a river flow of 30,000 ft³/s, and 11,200 acre-ft at a lake gage of 1.5 ft and a river flow of 500 ft³/s. The capacity table was revised in 1984 and extended in 2001. Dead storage is 8,000 acre-ft. Water is used for irrigation by canals diverting at the dam and by pumps from the reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 54,500 acre-ft June 25, 1997; maximum gage height, 11.55 ft, Apr. 2, 1999; minimum contents, 10,800 acre-ft Dec. 15, 1988, Mar. 3, 1992; minimum gage height, 1.24 ft, Dec. 26, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 39,100 acre-ft July 6, 7; maximum gage height, 11.27 ft, July 7; minimum daily contents, 25,200 acre-ft Nov. 2; minimum gage height, 7.51 ft, Oct. 30.

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	36,300	25,600	34,800	34,600	34,900	35,000	33,000	34,800	35,800	38,900	36,700	36,500
2	36,000	25,200	34,100	34,500	34,800	34,700	33,400	35,700	35,500	37,900	37,100	37,000
3	35,500	25,300	34,200	34,400	34,500	34,600	33,800	35,400	35,400	38,700	37,000	37,100
4	35,900	26,300	34,300	34,100	34,900	33,800	33,700	37,500	35,500	38,600	37,000	37,000
5	35,400	27,800	34,100	33,900	34,700	33,700	31,800	36,000	35,600	38,700	37,000	36,300
6	35,000	29,200	34,000	34,500	35,000	33,400	32,200	36,900	35,900	39,100	36,900	37,000
7	34,700	30,600	33,400	33,800	34,700	33,400	33,400	37,200	36,100	39,100	37,200	36,900
8	34,400	32,200	33,500	33,800	34,800	33,500	34,200	36,400	36,100	38,700	37,400	37,000
9	33,800	32,900	33,500	34,200	34,600	33,800	35,200	36,300	35,800	38,200	37,600	36,700
10	33,900	33,700	33,500	34,300	34,500	33,900	34,100	36,800	34,600	38,500	37,500	35,800
11	34,000	33,800	33,200	34,400	34,400	34,500	34,100	38,300	34,600	38,700	36,900	35,400
12	34,600	33,800	32,900	34,400	34,400	34,600	34,200	37,500	35,100	38,300	37,200	34,900
13	34,700	33,800	32,500	34,500	34,600	33,400	34,300	37,000	35,700	38,100	37,400	35,100
14	35,000	33,400	32,200	34,700	34,800	34,400	34,300	36,500	36,300	38,200	37,200	35,300
15	35,000	34,000	32,900	34,700	34,700	34,500	33,900	37,000	36,700	38,100	37,200	35,600
16	34,600	34,000	33,700	34,800	34,500	34,200	32,800	37,400	36,800	38,300	37,100	35,300
17	34,000	33,700	34,100	34,800	34,500	33,800	33,700	37,200	37,100	38,300	37,100	35,200
18	33,600	33,800	34,600	34,700	34,500	33,500	34,400	36,900	36,400	38,300	37,000	35,300
19	33,900	34,200	34,900	34,700	34,400	33,800	35,100	37,400	35,800	38,200	36,900	35,500
20	34,700	33,100	34,700	34,700	34,300	33,700	34,300	37,300	35,000	37,900	36,900	35,700
21	34,900	34,500	34,500	34,800	34,100	33,600	35,000	37,500	35,500	37,800	37,000	35,800
22	34,600	33,600	34,700	34,300	34,200	32,900	34,500	38,300	36,200	37,500	37,400	35,700
23	34,200	34,500	34,800	33,400	34,800	32,700	33,500	38,200	36,700	37,300	37,600	35,900
24	33,500	34,500	34,700	34,200	34,700	32,600	33,400	37,800	36,600	37,500	37,800	35,900
25	32,900	34,500	34,400	34,300	34,900	32,400	33,300	37,500	36,400	37,700	37,500	35,800
26	28,200	34,500	34,400	34,100	34,600	31,600	34,000	36,700	37,000	37,700	36,900	35,600
27	28,400	34,100	34,400	34,200	34,200	32,400	33,600	36,400	37,500	37,700	36,700	35,600
28	26,600	34,200	34,400	34,300	34,300	32,300	34,100	36,000	37,700	38,000	36,200	35,400
29	25,400	34,200	34,500	34,400	---	32,300	33,400	36,700	37,600	37,800	36,600	35,500
30	25,300	34,200	34,400	34,400	---	32,600	34,200	36,600	37,600	37,400	36,700	35,300
31	25,400	---	34,400	34,400	---	32,600	---	35,800	---	36,900	36,700	---
Max	36,300	34,500	34,900	34,800	35,000	35,000	35,200	38,300	37,700	39,100	37,800	37,100
Min	25,300	25,200	32,200	33,400	34,100	31,600	31,800	34,800	34,600	36,900	36,200	34,900
Gage height, in feet, at end of month.	8.00	10.81	10.75	10.76	10.77	10.52	10.41	10.82	10.92	10.86	10.76	10.75
Change in contents, in acre-feet.	-10,000	+8,800	+200	0	-100	-1,700	+1,600	+1,600	+1,800	-700	-200	-1,400

	Calendar Year 2009	Water Year 2010
Max	44,600	39,100
Min	25,200	25,200
Change in contents, in acre-feet	+500	-200

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