

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, 38,700 acre-ft May 20; maximum gage height, 11.27 ft, May 4; minimum daily contents, 24,000 acre-ft Oct. 25; minimum gage height, 7.72 ft, Oct. 25.

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35,600	24,400	32,300	31,100	32,800	32,300	33,100	37,200	38,500	37,800	36,900	36,000
2	35,500	24,600	32,400	31,100	32,800	32,100	33,700	38,000	37,900	38,100	37,400	36,100
3	35,800	24,800	32,700	31,000	32,700	31,800	34,400	38,000	37,800	37,800	37,600	36,500
4	35,600	25,100	32,700	31,100	32,500	32,600	33,800	37,300	36,900	37,700	37,600	36,300
5	36,000	25,300	33,000	31,100	32,500	33,000	33,800	36,700	36,700	38,100	37,900	36,200
6	36,100	25,300	32,200	31,000	32,400	32,400	33,800	36,500	36,700	38,100	37,600	35,900
7	36,100	25,600	32,300	31,000	32,400	32,700	33,700	36,800	36,300	37,600	37,400	35,900
8	36,100	25,700	31,900	31,000	32,500	32,800	34,200	37,100	36,700	37,400	37,500	35,600
9	35,400	25,900	32,000	31,100	32,300	32,500	34,600	37,200	37,500	37,600	35,900	35,300
10	34,700	25,500	31,500	31,200	32,500	32,600	34,000	38,000	37,300	37,700	35,500	35,300
11	34,100	26,400	31,700	31,000	32,400	32,100	33,400	38,000	37,600	37,400	36,000	35,500
12	33,200	26,500	31,900	31,100	32,400	32,800	34,300	38,100	37,700	37,200	36,200	35,800
13	32,500	26,700	31,700	31,100	31,800	32,800	34,000	37,800	36,500	37,300	36,800	36,000
14	32,200	26,900	31,600	31,000	32,100	32,800	34,500	37,400	36,500	37,400	36,800	35,900
15	32,900	27,600	31,600	31,100	32,400	32,400	34,400	37,300	36,700	37,700	36,300	35,900
16	30,700	28,000	31,300	31,100	32,100	32,200	33,900	37,800	36,900	37,100	36,100	35,800
17	29,700	28,500	31,300	31,000	31,800	32,600	33,900	38,200	37,100	36,800	36,000	34,500
18	28,600	29,300	31,100	31,100	32,300	32,200	33,800	38,300	36,400	36,800	36,100	35,300
19	27,400	29,700	31,600	31,300	31,900	32,500	33,100	38,100	36,500	36,800	36,200	35,600
20	25,800	29,900	31,400	31,400	31,800	31,700	33,300	38,700	36,800	36,500	36,400	35,600
21	24,900	29,800	31,100	31,600	31,700	32,500	34,000	38,200	37,100	36,500	36,600	34,300
22	24,400	30,400	31,100	31,800	31,800	32,300	34,800	37,500	37,500	37,300	36,600	35,400
23	24,300	30,500	30,900	32,100	32,000	32,600	35,500	37,400	37,500	37,600	36,700	35,600
24	24,200	30,700	30,800	32,400	31,900	33,000	35,700	37,500	37,400	37,600	37,100	35,400
25	24,000	31,100	31,000	32,700	31,900	32,900	35,100	37,600	37,400	37,800	36,900	35,800
26	24,200	31,800	31,000	33,100	32,200	32,800	34,800	37,400	37,300	37,800	36,800	36,000
27	24,300	32,100	30,900	33,200	32,200	33,000	34,700	37,500	37,200	38,100	36,800	36,200
28	24,400	31,600	30,900	33,300	32,300	32,800	34,700	37,800	37,100	37,900	36,300	35,800
29	24,400	32,100	31,000	33,000	---	32,500	34,800	38,200	36,900	37,500	35,700	35,300
30	24,400	32,400	31,100	32,900	---	32,500	35,600	38,100	37,800	37,400	35,700	35,600
31	24,400	---	31,000	32,900	---	32,500	---	38,400	---	37,300	36,000	---
Max	36,100	32,400	33,000	33,300	32,800	33,000	35,700	38,700	38,500	38,100	37,900	36,500
Min	24,000	24,400	30,800	31,000	31,700	31,700	33,100	36,500	36,300	36,500	35,500	34,300
Gage height, in feet, at end of month.	8.09	10.50	10.10	10.61	10.47	10.53	10.72	11.02	10.97	10.69	10.82	10.99
Change in contents, in acre-feet.	-11,100	+8,000	-1,400	-1,900	-600	+200	+3,100	+2,800	-600	-500	-1,300	-400

	Calendar Year 2012	Water Year 2013
Max	40,100	38,700
Min	22,300	24,000
Change in content, in acre-ft	-3200	+100

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