

10344490 Boca Reservoir near Truckee, CA

Pyramid and Winnemucca Lakes Basin

LOCATION.--Lat 39°23'20", long 120°05'43" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.28, T.18 N., R.17 E., Nevada County, CA, Hydrologic Unit 16050102, in control house at Boca Dam, on Little Truckee River, 1,800 ft upstream from mouth, and 6.3 mi northeast of Truckee.

DRAINAGE AREA.--172 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1938 to current year. Prior to October 1976 published as "at Boca." Monthend contents only for December 1938 to September 1957, published in WSP 1734.

REVISED RECORDS.--WSP 1634: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Reservoir is formed by earth-fill, rock-faced dam. Storage began Dec. 8, 1938. Usable capacity, 40,868 acre-ft, between elevations 5,521 ft, outlet sill, and 5,605 ft, top of spillway gates. Elevation of spillway (gate open) is 5,589.01 ft. Dead contents, 241 acre-ft. Figures given, including extremes, represent usable contents at 2400 hours. Water is used for irrigation in the State of Nevada and for power development. See schematic diagram of Truckee River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 41,440 acre-ft, Dec. 23, 1955, elevation, 5,605.55 ft; minimum, 37 acre-ft, Mar. 4-9, 1955, elevation, 5,521.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 31,200 acre-ft, Aug. 28, 29, maximum elevation, 5,594.45 ft, Aug. 28; minimum, 12,900 acre-ft, Nov. 29, elevation, 5,568.40 ft.

Capacity table (elevation, in feet, and contents in acre-feet)
 (Based on table provided by U.S. Bureau of Reclamation, dated November 1970)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
5,540	2,340	5,555	6,700	5,580	19,980	5,600	36,100
5,545	3,500	5,560	8,760	5,590	27,460	5,605	40,870
5,550	4,950	5,570	13,750				

10344490 Boca Reservoir near Truckee, CA—Continued

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	20,500	16,400	13,500	18,900	17,100	15,400	20,600	25,800	30,900	30,800	30,900	31,100
2	20,400	16,200	13,800	18,800	17,200	15,500	21,000	26,000	30,800	30,800	30,900	31,000
3	20,200	16,000	14,000	18,500	17,300	15,500	21,300	26,300	30,800	30,800	30,900	30,900
4	20,100	15,900	14,300	18,200	17,400	15,700	21,600	26,500	30,800	30,800	30,900	30,800
5	20,000	15,700	14,800	18,000	17,400	15,800	21,900	26,800	30,800	30,800	30,900	30,700
6	19,800	15,500	15,100	17,700	17,400	15,800	22,200	27,200	30,800	30,900	30,900	30,700
7	19,700	15,300	15,500	17,500	17,400	15,900	22,500	27,500	30,700	30,900	30,900	30,600
8	19,600	15,100	15,800	17,500	17,400	16,000	22,800	27,800	30,600	30,900	30,900	30,600
9	19,500	15,000	16,100	17,400	17,200	15,900	23,100	28,100	30,600	30,900	30,900	30,600
10	19,300	14,800	16,500	17,300	17,100	15,900	23,300	28,400	30,500	30,900	30,900	30,500
11	19,200	14,600	16,800	17,100	17,000	15,900	23,600	28,600	30,500	30,900	30,900	30,400
12	19,100	14,500	17,200	17,000	16,800	15,800	23,900	28,900	30,500	30,900	30,900	30,400
13	19,000	14,300	17,500	16,900	16,700	15,800	24,200	29,100	30,500	30,900	30,900	30,300
14	18,800	14,100	17,700	16,800	16,600	15,900	24,500	29,400	30,500	30,900	30,900	30,200
15	18,700	13,900	18,000	16,600	16,500	16,100	24,600	29,600	30,500	30,900	30,900	30,100
16	18,600	13,700	18,200	16,600	16,400	16,200	24,800	29,800	30,600	30,900	31,000	30,000
17	18,400	13,600	18,400	16,500	16,300	16,300	24,900	30,000	30,600	30,800	31,000	29,700
18	18,300	13,500	18,500	16,500	16,100	16,400	24,900	30,100	30,600	30,900	31,000	29,300
19	18,200	13,500	18,700	16,300	16,000	16,600	25,000	30,300	30,600	30,900	31,000	28,900
20	18,100	13,400	18,700	16,200	15,900	16,800	25,000	30,400	30,600	30,900	31,000	28,400
21	17,900	13,400	18,800	16,100	15,800	17,100	25,100	30,600	30,700	30,900	31,100	27,900
22	17,900	13,400	18,900	16,100	15,700	17,300	25,300	30,700	30,700	30,900	31,100	27,500
23	17,700	13,400	19,000	16,200	15,700	17,500	25,500	30,800	30,800	30,900	31,100	27,000
24	17,600	13,300	19,100	16,300	15,600	17,700	25,600	30,800	30,800	30,900	31,100	26,500
25	17,500	13,200	19,200	16,400	15,600	17,900	25,600	30,800	30,800	31,000	31,100	26,000
26	17,400	13,100	19,200	16,500	15,500	18,100	25,600	30,800	30,900	31,000	31,100	25,600
27	17,300	13,000	19,200	16,700	15,500	18,500	25,600	30,900	30,900	31,000	31,100	25,100
28	17,100	13,000	19,200	16,800	15,400	18,800	25,600	30,900	30,900	31,000	31,200	24,600
29	17,000	12,900	19,200	16,900	---	19,200	25,600	30,900	30,800	30,900	31,200	24,200
30	16,800	13,200	19,100	16,900	---	19,700	25,700	30,900	30,800	30,900	31,100	23,700
31	16,600	---	19,000	17,000	---	20,200	---	30,900	---	30,900	31,100	---
Max	20,500	16,400	19,200	18,900	17,400	20,200	25,700	30,900	30,900	31,000	31,200	31,100
Min	16,600	12,900	13,500	16,100	15,400	15,400	20,600	25,800	30,500	30,800	30,900	23,700
Elevation, in feet, at end of month	5,574.84	5,569.12	5,578.61	5,575.51	5,572.95	5,580.28	5,587.82	5,594.15	5,594.00	5,594.16	5,594.39	5,585.21
Change in contents, in acre-feet	-4,100	-3,400	+5,800	-2,000	-1,600	+4,800	+5,500	+5,200	-100	+100	+200	-7,400

	Calendar Year 2012	Water Year 2013
Max	31,100	31,200
Min	6,530	12,900
Change in contents, in acre-feet	+12,370	+3,000

10344490 Boca Reservoir near Truckee, CA—Continued

