

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, 32,300 acre-ft, Oct. 22-25, maximum elevation, 5,595.76 ft, Oct. 23; minimum, 6,530 acre-ft, Feb. 6, 7, minimum elevation, 5,554.54 ft, Feb. 6.

**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				

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30,200	29,700	15,700	6,630	6,810	7,150	9,450	18,000	29,400	30,800	31,000	31,000
2	30,100	29,100	15,200	6,620	6,760	7,140	9,610	18,500	29,600	30,800	30,900	31,000
3	30,100	28,600	14,700	6,620	6,690	7,120	9,770	18,900	29,900	30,900	30,900	31,000
4	30,200	28,100	14,200	6,610	6,600	7,100	9,970	19,400	30,200	30,900	30,900	31,000
5	30,400	27,700	13,700	6,610	6,560	7,090	10,100	19,800	30,300	31,000	30,900	30,800
6	30,600	27,200	13,200	6,600	6,530	7,080	10,200	20,300	30,300	31,000	30,900	30,600
7	30,800	26,800	12,700	6,600	6,530	7,050	10,400	20,700	30,300	31,000	30,900	30,200
8	30,900	26,300	12,300	6,590	6,550	7,000	10,500	21,200	30,300	31,100	30,900	29,900
9	31,000	25,900	11,800	6,580	6,560	6,970	10,600	21,600	30,200	31,100	31,000	29,500
10	31,100	25,500	11,400	6,560	6,590	6,940	10,700	22,100	30,100	31,000	31,000	29,100
11	31,300	25,100	10,900	6,550	6,630	6,930	10,900	22,700	30,000	31,000	31,000	28,700
12	31,500	24,600	10,400	6,550	6,670	6,910	11,100	23,300	30,100	31,000	31,000	28,300
13	31,600	24,200	10,000	6,560	6,710	6,910	11,200	23,900	30,200	31,000	31,000	27,900
14	31,700	23,800	9,650	6,560	6,760	7,020	11,300	24,400	30,300	31,000	31,000	27,500
15	31,900	23,300	9,310	6,560	6,800	7,190	11,400	25,000	30,400	31,000	31,000	27,100
16	32,000	22,800	8,950	6,570	6,820	7,520	11,500	25,500	30,500	31,000	31,100	26,600
17	32,000	22,400	8,650	6,560	6,830	7,830	11,700	26,000	30,600	31,000	31,100	26,200
18	32,100	21,900	8,390	6,560	6,840	8,020	12,100	26,500	30,600	31,000	31,100	25,700
19	32,200	21,400	8,110	6,560	6,860	8,130	12,500	27,100	30,700	31,000	31,100	25,200
20	32,200	21,000	7,870	6,620	6,870	8,240	12,900	27,600	30,700	31,000	31,100	24,700
21	32,200	20,500	7,690	6,750	6,880	8,380	13,400	28,200	30,800	31,000	31,100	24,300
22	32,300	20,000	7,520	6,820	6,910	8,550	13,900	28,700	30,800	31,100	31,100	23,900
23	32,300	19,500	7,380	6,910	6,930	8,720	14,300	29,000	30,800	31,100	31,100	23,500
24	32,300	19,000	7,250	6,890	6,940	8,810	14,800	29,200	30,700	31,100	31,100	23,100
25	32,300	18,600	7,120	6,870	6,970	8,840	15,200	29,300	30,700	31,100	31,100	22,700
26	32,200	18,100	6,960	6,870	7,000	8,810	15,700	29,300	30,700	31,100	31,100	22,200
27	32,000	17,700	6,830	6,890	7,050	8,840	16,200	29,300	30,800	31,100	31,000	21,800
28	31,600	17,200	6,760	6,900	7,070	8,920	16,700	29,200	30,800	31,000	31,000	21,400
29	31,200	16,800	6,710	6,890	7,120	8,980	17,100	29,100	30,800	31,000	31,000	21,000
30	30,800	16,300	6,660	6,870	---	9,030	17,600	29,200	30,800	31,000	31,000	20,700
31	30,200	---	6,630	6,840	---	9,250	---	29,300	---	31,000	31,000	---
Max	32,300	29,700	15,700	6,910	7,120	9,250	17,600	29,300	30,800	31,100	31,100	31,000
Min	30,100	16,300	6,630	6,550	6,530	6,910	9,450	18,000	29,400	30,800	30,900	20,700
Elevation, in feet, at end of month	5,593.38	5,574.29	5,554.82	5,555.34	5,556.01	5,561.06	5,576.40	5,592.25	5,593.99	5,594.23	5,594.26	5,581.01
Change in contents, in acre-feet	-100	-13,900	-9,670	+210	+280	+2,130	+8,350	+11,700	+1,500	+200	0	-10,300

	Calendar Year 2011	Water Year 2012
Max	40,200	32,300
Min	6,630	6,530
Change in contents, in acre-feet	-13,270	-9,600

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