

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. Records prior to 2007 water year represent usable contents at 0800 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, 30,800 acre-ft, June 30 to July 3, maximum elevation, 5,594.08 ft, July 2; minimum, 4,540 acre-ft, Feb. 4, elevation, 5,548.71 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				

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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	14,800	8,740	6,520	5,950	4,680	6,260	13,500	23,600	28,800	30,800	30,700	30,400
2	14,300	8,740	6,550	5,890	4,600	6,400	13,900	23,900	28,900	30,800	30,700	30,500
3	13,700	8,700	6,580	5,810	4,550	6,560	14,200	24,100	29,000	30,800	30,600	30,500
4	13,200	8,660	6,630	5,730	4,540	6,700	14,500	24,400	29,100	30,600	30,600	30,500
5	12,800	8,640	6,600	5,670	4,560	6,760	14,800	24,600	29,100	30,400	30,600	30,500
6	12,400	8,600	6,560	5,650	4,590	6,740	15,000	24,800	29,200	30,200	30,600	30,400
7	11,900	8,550	6,530	5,640	4,620	6,700	15,300	25,000	29,300	30,100	30,600	30,300
8	11,500	8,490	6,470	5,620	4,640	6,680	15,600	25,100	29,400	30,000	30,600	30,100
9	11,000	8,410	6,420	5,600	4,670	6,700	16,000	25,300	29,400	30,000	30,600	29,800
10	10,500	8,290	6,440	5,590	4,690	6,720	16,500	25,500	29,500	30,000	30,600	29,500
11	10,000	8,170	6,520	5,590	4,710	6,730	16,900	25,700	29,500	30,000	30,600	29,200
12	9,500	8,060	6,610	5,640	4,730	6,780	17,300	25,900	29,600	29,900	30,600	28,800
13	9,150	7,940	6,650	5,700	4,770	6,810	17,600	26,000	29,700	30,000	30,600	28,500
14	8,930	7,830	6,700	5,680	4,820	6,840	17,800	26,200	29,700	30,100	30,600	28,100
15	8,570	7,710	6,690	5,640	4,870	6,910	18,100	26,300	29,800	30,200	30,600	27,600
16	8,300	7,600	6,660	5,610	4,920	7,090	18,400	26,500	29,900	30,300	30,600	27,200
17	8,240	7,490	6,620	5,570	4,970	7,300	18,800	26,600	29,900	30,400	30,600	26,800
18	8,210	7,380	6,590	5,580	5,050	7,550	19,200	26,900	30,000	30,500	30,600	26,300
19	8,220	7,270	6,550	5,540	5,180	7,880	19,500	27,100	30,000	30,500	30,600	25,800
20	8,220	7,180	6,520	5,530	5,230	8,230	19,900	27,300	30,100	30,600	30,600	25,400
21	8,240	7,060	6,500	5,500	5,260	8,610	20,400	27,400	30,200	30,600	30,600	24,900
22	8,290	6,950	6,460	5,460	5,300	9,030	20,800	27,600	30,200	30,600	30,500	24,400
23	8,340	6,830	6,430	5,390	5,370	9,440	21,100	27,700	30,300	30,600	30,500	23,900
24	8,380	6,740	6,390	5,320	5,480	9,840	21,400	27,900	30,400	30,600	30,400	23,400
25	8,420	6,690	6,350	5,240	5,610	10,200	21,700	28,000	30,500	30,600	30,400	22,900
26	8,470	6,640	6,270	5,170	5,770	10,600	21,900	28,200	30,500	30,700	30,400	22,400
27	8,510	6,610	6,190	5,090	5,920	11,000	22,300	28,300	30,600	30,700	30,300	21,900
28	8,550	6,550	6,130	5,000	6,100	11,400	22,700	28,400	30,700	30,700	30,300	21,400
29	8,600	6,490	6,080	4,920	---	11,900	23,000	28,500	30,700	30,700	30,300	20,900
30	8,640	6,500	6,040	4,840	---	12,500	23,300	28,600	30,800	30,700	30,300	20,400
31	8,690	---	6,000	4,760	---	13,000	---	28,700	---	30,700	30,300	---
Max	14,800	8,740	6,700	5,950	6,100	13,000	23,300	28,700	30,800	30,800	30,700	30,500
Min	8,210	6,490	6,000	4,760	4,540	6,260	13,500	23,600	28,800	29,900	30,300	20,400
Elevation, in feet, at end of month	5,559.85	5,554.47	5,553.11	5,549.41	5,553.39	5,568.65	5,584.64	5,591.51	5,593.97	5,593.93	5,593.46	5,580.58
Change in contents, in acre-feet	-6,710	-2,190	-500	-1,240	+1,340	+6,900	+10,300	+5,400	+2,100	-100	-400	-9,900

	Calendar Year 2009	Water Year 2010
Max	31,500	30,800
Min	6,000	4,540
Change in contents, in acre-feet	-480	+5,000

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