

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, 40,200 acre-ft, July 3-9, maximum elevation, 5,604.33 ft, July 4; minimum, 15,400 acre-ft, Nov. 8, elevation, 5,572.94 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 2010 TO SEPTEMBER 2011
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20,100	15,700	15,800	19,700	20,600	21,700	29,400	36,100	36,900	39,900	39,900	38,900
2	19,800	15,700	15,800	19,500	20,600	21,700	29,900	36,100	36,700	40,000	39,900	38,800
3	19,600	15,700	15,800	19,300	20,700	21,800	30,400	36,200	36,700	40,200	39,900	38,700
4	19,600	15,600	15,800	19,100	20,800	22,000	31,000	36,300	36,800	40,200	39,900	38,600
5	19,500	15,600	15,900	18,900	20,900	22,100	31,600	36,400	36,900	40,200	39,900	38,500
6	19,500	15,500	16,200	18,900	21,000	22,200	32,100	36,400	37,100	40,200	39,800	38,400
7	19,300	15,500	16,400	18,900	21,000	22,400	32,400	36,500	37,200	40,200	39,800	38,300
8	19,200	15,400	16,500	18,900	21,100	22,600	32,600	36,500	37,200	40,200	39,900	38,200
9	19,000	15,500	16,700	18,900	21,200	22,700	32,800	36,400	37,300	40,200	39,800	38,100
10	18,800	15,500	16,900	18,900	21,200	22,900	32,900	36,400	37,400	40,100	39,800	38,000
11	18,700	15,500	17,100	19,000	21,300	23,200	33,100	36,300	37,500	40,000	39,800	37,900
12	18,400	15,500	17,200	19,000	21,300	23,400	33,300	36,200	37,600	39,900	39,800	37,700
13	18,200	15,500	17,400	19,000	21,300	23,700	33,500	36,300	37,700	39,800	39,700	37,400
14	18,000	15,500	17,600	19,000	21,400	24,100	33,700	36,200	37,800	39,800	39,600	37,000
15	17,800	15,500	17,800	19,000	21,500	24,600	33,900	36,200	38,000	39,700	39,500	36,400
16	17,700	15,500	17,900	19,100	21,700	25,300	34,300	36,300	38,200	39,600	39,500	35,900
17	17,500	15,500	18,100	19,200	21,800	25,600	34,800	36,300	38,400	39,600	39,500	35,400
18	17,300	15,500	18,400	19,300	21,900	26,000	35,500	36,300	38,600	39,600	39,500	34,800
19	17,000	15,500	18,700	19,400	22,000	26,200	36,000	36,300	38,800	39,600	39,400	34,300
20	16,700	15,500	18,900	19,400	22,100	26,500	36,300	36,300	38,900	39,600	39,400	33,700
21	16,400	15,500	19,100	19,500	22,200	26,700	36,700	36,300	39,100	39,600	39,400	33,200
22	16,000	15,500	19,200	19,600	22,200	26,900	36,700	36,300	39,200	39,600	39,400	32,700
23	15,600	15,600	19,300	19,700	22,200	27,200	36,600	36,400	39,400	39,600	39,400	32,200
24	15,500	15,600	19,400	19,800	22,100	27,400	36,500	36,600	39,500	39,500	39,400	31,900
25	15,700	15,600	19,500	19,900	22,000	27,600	36,400	36,600	39,500	39,600	39,300	31,600
26	15,700	15,700	19,700	20,000	21,800	27,700	36,200	36,700	39,500	39,600	39,300	31,300
27	15,800	15,800	19,700	20,100	21,700	27,900	36,200	36,800	39,600	39,600	39,200	31,000
28	15,900	15,800	19,900	20,200	21,600	28,100	36,200	36,800	39,600	39,600	39,100	30,700
29	15,900	15,900	20,000	20,300	---	28,300	36,200	36,900	39,700	39,600	39,100	30,500
30	15,800	15,900	20,000	20,400	---	28,600	36,100	37,000	39,800	39,700	39,000	30,300
31	15,800	---	19,900	20,500	---	28,900	---	36,900	---	39,800	39,000	---
Max	20,100	15,900	20,000	20,500	22,200	28,900	36,700	37,000	39,800	40,200	39,900	38,900
Min	15,500	15,400	15,800	18,900	20,600	21,700	29,400	36,100	36,700	39,500	39,000	30,300
Elevation, in feet, at end of month	5,573.46	5,573.71	5,579.86	5,580.70	5,582.35	5,591.77	5,600.01	5,600.86	5,603.93	5,603.91	5,603.05	5,593.40
Change in contents, in acre-feet	-4,600	+100	+4,000	+600	+1,100	+7,300	+7,200	+800	+2,900	0	-800	-8,700

	Calendar Year 2010	Water Year 2011
Max	30,800	40,200
Min	4,540	15,400
Change in contents, in acre-feet	+13,900	+9,900

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