

Water-Data Report 2011

10292500 Bridgeport Reservoir near Bridgeport, CA

Walker Basin
East Walker Subbasin

LOCATION.--Lat 38°19'30", long 119°12'40" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.34, T.6 N., R.25 E., Mono County, CA, Hydrologic Unit 16050301, in Toiyabe National Forest, at Bridgeport Dam on East Walker River, and 4.5 mi north of Bridgeport.

DRAINAGE AREA.--358 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Mar. 1926 to current year. Month end contents only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 1180: 1949. WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,466.44 ft above National Geodetic Vertical Datum of 1929 (project datum).

REMARKS.--Reservoir is formed by earthfill, rock-faced dam. Storage began Dec. 08, 1923. Dam completed in Nov. 1924. Capacity, 42,460 acre-ft between elevations 6,415 ft, approximate elevation of bottom of reservoir, and 6,461 ft. Crest of spillway is at elevation 6,460.75 ft; however, there are four siphons that become operative prior to reaching this spillway. Elevation of sill of outlet gate, 6,412 ft. No dead storage. Figures given herein represent total contents. Water is used for irrigation by Walker River Irrigation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 44,880 acre-ft, Jun. 16, 1974, elevation 6,460.78 ft; no usable contents at times in water years 1929, 1930, 1960, 1977, 1988, and 1989.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 42,760 acre-ft, Aug. 1, gage height, 60.10 ft; minimum contents, 16,630 acre-ft, Oct. 24, gage height, 48.73 ft.

10292500 Bridgeport Reservoir near Bridgeport, CA—Continued

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	17,440	18,420	23,810	35,330	40,500	41,000	30,340	29,790	31,750	37,120	42,200	34,110
2	17,230	18,570	24,080	35,620	40,470	41,030	30,360	29,450	31,750	37,290	41,960	33,650
3	17,030	18,730	24,350	35,860	40,450	41,090	30,360	29,140	31,800	37,480	41,910	33,170
4	17,180	18,910	24,700	36,070	40,470	41,090	30,390	28,930	31,950	37,820	41,910	32,760
5	17,390	19,070	25,120	36,260	40,450	41,000	30,530	28,880	32,610	38,260	41,850	32,330
6	17,440	19,260	25,410	36,440	40,450	40,910	30,850	29,040	33,090	38,710	41,880	31,900
7	17,390	19,440	25,760	36,600	40,450	40,910	31,090	29,380	33,300	39,120	41,910	31,400
8	17,270	19,610	25,980	36,820	40,470	40,770	31,180	29,500	33,170	39,630	41,910	30,920
9	17,160	19,720	26,380	37,010	40,450	40,710	31,160	29,760	32,790	39,980	41,820	30,460
10	17,090	19,920	26,620	37,150	40,420	40,910	31,140	29,910	32,460	39,980	41,670	30,000
11	17,040	20,120	26,950	37,340	40,420	41,260	31,060	29,980	32,150	39,920	41,470	29,620
12	17,030	20,290	27,200	37,540	40,390	41,200	31,020	30,080	31,950	39,830	41,290	29,210
13	17,010	20,470	27,460	37,760	40,390	40,590	30,900	30,200	31,750	39,890	41,030	28,860
14	16,960	20,660	27,640	37,930	40,450	39,860	30,770	30,510	31,720	40,070	40,800	28,520
15	16,930	20,870	27,870	38,070	40,620	38,980	30,680	30,730	31,870	40,150	40,620	28,220
16	16,900	21,070	28,120	38,290	40,710	38,460	30,700	30,920	32,200	40,180	40,420	27,990
17	16,870	21,310	28,520	38,540	40,740	37,320	30,870	31,140	32,710	40,120	40,120	27,780
18	16,870	21,480	29,210	38,710	40,800	36,200	31,060	31,210	33,170	40,120	39,830	27,570
19	16,900	21,680	30,680	38,930	40,940	35,120	31,300	31,140	33,680	40,330	39,600	27,340
20	16,890	21,840	31,330	39,010	40,940	34,030	31,450	31,040	33,930	40,360	39,290	27,110
21	16,870	21,990	31,770	39,120	40,970	32,970	31,570	30,870	33,980	40,420	38,930	26,880
22	16,850	22,210	32,280	39,260	40,970	32,150	31,700	30,750	34,140	40,590	38,510	26,640
23	16,820	22,340	32,640	39,400	40,970	31,550	31,720	30,700	34,350	40,740	38,090	26,420
24	16,930	22,500	32,990	39,510	40,970	31,020	31,470	30,800	34,930	40,940	37,680	26,200
25	17,540	22,640	33,320	39,630	40,970	30,460	31,300	30,900	35,300	41,090	37,260	26,000
26	17,780	22,810	33,580	39,740	41,000	30,240	31,060	30,870	35,570	41,260	36,820	25,850
27	17,870	23,060	33,860	39,830	41,000	30,270	30,870	30,990	35,700	41,410	36,420	25,690
28	17,920	23,270	34,110	39,980	40,970	30,460	30,730	31,260	35,860	41,530	35,960	25,540
29	18,010	23,390	34,560	40,150	---	30,490	30,510	31,430	36,390	41,640	35,510	25,360
30	18,110	23,560	34,830	40,240	---	30,440	30,220	31,620	36,900	41,990	35,060	25,170
31	18,260	---	35,040	40,330	---	30,390	---	31,720	---	42,340	34,590	---
Max	18,260	23,560	35,040	40,330	41,000	41,260	31,720	31,720	36,900	42,340	42,200	34,110
Min	16,820	18,420	23,810	35,330	40,390	30,240	30,220	28,880	31,720	37,120	34,590	25,170
Elevation, in feet above NGVD 1929 (project datum), at end of month.	6,449.70	6,452.47	6,457.35	6,459.27	6,459.49	6,455.51	6,455.44	6,456.06	6,458.05	6,459.96	6,457.18	6,453.23
Change in contents, in acre-feet.	+650	+5,300	+11,480	+5,290	+640	-10,580	-170	+1,500	+5,180	+5,440	-7,750	-9,420

	Calendar Year 2010	Water Year 2011
Max	41,790	42,340
Min	11,930	16,820
Change in contents, in acre-feet.	+23,000	+7,560

10292500 Bridgeport Reservoir near Bridgeport, CA—Continued

