

Water-Data Report 2010

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, 41,910 acre-ft, July 8, gage height, 59.81 ft; minimum contents, 7,350 acre-ft, Oct. 31, gage height, 41.24 ft.

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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	9,180	7,470	9,860	11,930	16,070	20,330	24,510	23,350	20,660	39,740	39,180	25,690
2	9,060	7,520	9,920	12,030	16,220	20,490	24,310	23,290	20,660	40,210	38,790	25,360
3	8,840	7,560	9,990	12,130	16,340	20,720	24,220	23,290	20,840	40,650	38,400	25,030
4	8,830	7,640	10,050	12,230	16,500	20,890	24,200	23,220	21,230	40,940	37,980	24,660
5	8,720	7,720	10,130	12,340	16,630	21,050	24,180	23,080	22,050	41,200	37,570	24,260
6	8,620	7,840	10,170	12,440	16,770	21,230	24,160	23,040	23,330	41,440	37,180	23,910
7	8,550	7,910	10,210	12,560	16,920	21,400	24,240	22,930	24,880	41,700	36,840	23,540
8	8,460	8,000	10,210	12,660	17,040	21,580	24,350	22,830	26,460	41,790	36,520	23,160
9	8,380	8,060	10,240	12,790	17,180	21,720	24,430	22,810	27,850	41,700	36,180	22,810
10	8,290	8,170	10,250	12,900	17,340	21,870	24,430	22,770	28,980	41,580	35,810	22,460
11	8,200	8,250	10,260	13,040	17,460	22,010	24,430	22,660	29,810	41,640	35,330	22,110
12	8,120	8,320	10,380	13,160	17,610	22,210	24,370	22,540	30,650	41,640	34,880	21,760
13	8,410	8,440	10,440	13,380	17,730	22,380	24,330	22,440	31,210	41,550	34,430	21,420
14	8,970	8,500	10,470	13,470	17,850	22,500	24,240	22,360	31,700	41,530	34,010	21,050
15	9,040	8,570	10,570	13,620	17,990	22,620	24,120	22,290	32,150	41,440	33,530	20,760
16	9,080	8,660	10,620	13,750	18,110	22,730	23,990	22,230	32,710	41,470	33,070	20,490
17	9,120	8,810	10,710	13,870	18,230	22,810	23,890	22,270	33,090	41,530	32,590	20,250
18	9,200	8,830	10,810	14,020	18,380	22,890	23,790	22,250	33,500	41,410	32,080	19,990
19	9,240	8,900	10,850	14,180	18,500	22,950	23,720	22,150	33,880	41,410	31,600	19,790
20	9,280	8,940	10,930	14,290	18,660	23,080	23,660	22,230	34,240	41,350	31,110	19,530
21	9,230	9,070	11,050	14,430	18,780	23,140	23,600	22,170	34,690	41,290	30,650	19,300
22	9,130	9,170	11,140	14,570	18,910	23,250	23,640	22,030	35,090	41,290	30,100	19,060
23	8,950	9,210	11,190	14,700	19,060	23,540	23,600	21,990	35,460	41,230	29,620	18,840
24	8,740	9,300	11,240	14,860	19,280	23,680	23,540	21,840	35,960	41,090	29,180	18,660
25	8,570	9,380	11,300	15,040	19,420	23,830	23,500	21,740	36,360	41,000	28,790	18,470
26	8,360	9,450	11,370	15,200	19,680	23,910	23,470	21,580	36,840	40,910	28,360	18,300
27	8,060	9,500	11,440	15,370	19,920	24,060	23,700	21,480	37,430	40,650	27,920	18,130
28	7,770	9,650	11,520	15,500	20,100	24,160	23,500	21,250	38,040	40,450	27,390	17,950
29	7,580	9,680	11,580	15,660	---	24,600	23,410	21,030	38,650	40,150	26,930	17,800
30	7,450	9,750	11,690	15,820	---	24,860	23,370	20,870	39,180	39,830	26,490	17,610
31	7,390	---	11,800	15,950	---	24,750	---	20,740	---	39,460	26,070	---
Max	9,280	9,750	11,800	15,950	20,100	24,860	24,510	23,350	39,180	41,790	39,180	25,690
Min	7,390	7,470	9,860	11,930	16,070	20,330	23,370	20,740	20,660	39,460	26,070	17,610
Elevation, in feet above NGVD 1929 (project datum), at end of month.	6,441.28	6,443.59	6,445.34	6,448.30	6,450.72	6,453.04	6,452.38	6,451.06	6,458.87	6,458.97	6,453.64	6,449.32
Change in contents, in acre-feet.	-1,930	+2,360	+2,050	+4,150	+4,150	+4,650	-1,380	-2,630	+18,440	+280	-13,390	-8,460

	Calendar Year 2009	Water Year 2010
Max	27,550	41,790
Min	7,390	7,390
Change in contents, in acre-feet.	+2,270	+8,290

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