

Water-Data Report 2012

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, 41,960 acre-ft, Mar. 31, elevation, 6,459.83 ft; minimum contents, 10,350 acre-ft, Sep. 30, elevation, 6,444.13 ft.

10292500 Bridgeport Reservoir near Bridgeport, CA—Continued

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 | 24,970 | 23,250 | 28,100 | 31,300 | 36,390 | 40,470 | 40,970 | 37,010 | 33,500 | 27,200 | 20,760 | 15,290 |
| 2 | 24,730 | 23,390 | 28,170 | 31,400 | 36,520 | 40,590 | 40,970 | 36,950 | 33,370 | 27,000 | 20,450 | 15,160 |
| 3 | 24,560 | 23,660 | 28,220 | 31,500 | 36,630 | 40,620 | 41,000 | 36,760 | 33,220 | 26,770 | 20,180 | 15,000 |
| 4 | 24,430 | 23,720 | 28,380 | 31,620 | 36,760 | 40,680 | 40,770 | 36,520 | 33,090 | 26,600 | 19,920 | 14,830 |
| 5 | 24,430 | 23,890 | 28,420 | 31,750 | 36,870 | 40,710 | 40,740 | 36,470 | 33,020 | 26,400 | 19,610 | 14,660 |
| 6 | 24,430 | 24,060 | 28,520 | 31,900 | 36,980 | 40,650 | 40,590 | 36,360 | 33,020 | 26,220 | 19,280 | 14,480 |
| 7 | 24,410 | 24,220 | 28,630 | 32,000 | 37,150 | 40,680 | 40,450 | 36,260 | 32,870 | 26,050 | 18,950 | 14,290 |
| 8 | 24,390 | 24,370 | 28,750 | 32,080 | 37,290 | 40,710 | 40,360 | 36,120 | 32,810 | 25,850 | 18,680 | 14,120 |
| 9 | 24,370 | 24,580 | 28,840 | 32,200 | 37,460 | 40,710 | 40,240 | 36,040 | 32,590 | 25,670 | 18,400 | 13,920 |
| 10 | 24,330 | 24,700 | 28,910 | 32,310 | 37,680 | 40,770 | 40,040 | 35,910 | 32,460 | 25,500 | 18,130 | 13,750 |
| 11 | 24,330 | 24,950 | 29,020 | 32,410 | 37,900 | 40,800 | 39,860 | 35,810 | 32,310 | 25,340 | 17,900 | 13,540 |
| 12 | 24,290 | 25,120 | 29,110 | 32,510 | 38,120 | 40,740 | 39,950 | 35,700 | 32,130 | 25,230 | 17,680 | 13,310 |
| 13 | 24,260 | 25,320 | 29,230 | 32,590 | 38,260 | 40,710 | 39,600 | 35,620 | 31,930 | 25,100 | 17,460 | 13,110 |
| 14 | 24,200 | 25,520 | 29,330 | 32,740 | 38,370 | 40,650 | 39,540 | 35,460 | 31,720 | 24,920 | 17,420 | 12,890 |
| 15 | 24,160 | 25,670 | 29,500 | 32,760 | 38,590 | 40,680 | 39,430 | 35,250 | 31,500 | 24,770 | 17,270 | 12,640 |
| 16 | 24,120 | 25,830 | 29,590 | 32,810 | 38,730 | 40,800 | 39,290 | 35,170 | 31,260 | 24,600 | 17,110 | 12,430 |
| 17 | 24,080 | 26,070 | 29,710 | 32,870 | 38,900 | 40,800 | 39,180 | 35,010 | 31,020 | 24,410 | 16,930 | 12,190 |
| 18 | 24,040 | 26,200 | 29,830 | 32,990 | 38,980 | 40,800 | 38,930 | 34,900 | 30,750 | 24,200 | 16,820 | 12,030 |
| 19 | 23,970 | 26,220 | 29,960 | 33,040 | 39,150 | 40,710 | 38,730 | 34,770 | 30,490 | 23,990 | 16,680 | 11,880 |
| 20 | 23,910 | 26,460 | 30,100 | 33,250 | 39,290 | 40,800 | 38,570 | 34,690 | 30,240 | 23,790 | 16,540 | 11,760 |
| 21 | 23,810 | 26,570 | 30,170 | 34,220 | 39,430 | 41,090 | 38,340 | 34,590 | 29,930 | 23,560 | 16,390 | 11,620 |
| 22 | 23,660 | 26,730 | 30,240 | 34,480 | 39,630 | 41,090 | 38,150 | 34,430 | 29,670 | 23,310 | 16,310 | 11,460 |
| 23 | 23,500 | 26,910 | 30,320 | 34,850 | 39,800 | 40,970 | 37,980 | 34,320 | 29,330 | 23,140 | 16,230 | 11,260 |
| 24 | 23,370 | 27,070 | 30,390 | 35,040 | 40,070 | 41,000 | 37,870 | 34,240 | 29,020 | 22,950 | 16,200 | 11,100 |
| 25 | 23,140 | 27,230 | 30,510 | 35,220 | 40,040 | 40,910 | 37,650 | 34,110 | 28,700 | 22,750 | 16,150 | 10,900 |
| 26 | 23,020 | 27,370 | 30,560 | 35,410 | 40,180 | 40,880 | 37,510 | 34,080 | 28,450 | 22,520 | 16,070 | 10,770 |
| 27 | 22,910 | 27,530 | 30,650 | 35,620 | 40,300 | 40,880 | 37,480 | 34,030 | 28,190 | 22,290 | 15,990 | 10,660 |
| 28 | 22,890 | 27,660 | 30,800 | 35,750 | 40,530 | 40,850 | 37,340 | 33,930 | 27,920 | 22,010 | 15,880 | 10,590 |
| 29 | 22,870 | 27,940 | 30,900 | 35,910 | 40,420 | 40,880 | 37,260 | 33,860 | 27,710 | 21,740 | 15,790 | 10,470 |
| 30 | 22,930 | 27,920 | 31,040 | 36,070 | --- | 40,970 | 37,090 | 33,730 | 27,440 | 21,440 | 15,630 | 10,350 |
| 31 | 23,100 | --- | 31,140 | 36,280 | --- | 40,970 | --- | 33,600 | --- | 21,050 | 15,460 | --- |
| Max | 24,970 | 27,940 | 31,140 | 36,280 | 40,530 | 41,090 | 41,000 | 37,010 | 33,500 | 27,200 | 20,760 | 15,290 |
| Min | 22,870 | 23,250 | 28,100 | 31,300 | 36,390 | 40,470 | 37,090 | 33,600 | 27,440 | 21,050 | 15,460 | 10,350 |
| Elevation, in feet above NGVD 1929 (project datum), at end of month. | 6,452.25 | 6,454.46 | 6,455.82 | 6,457.82 | 6,459.30 | 6,459.49 | 6,458.12 | 6,456.80 | 6,454.25 | 6,451.22 | 6,457.99 | 6,444.13 |
| Change in contents, in acre-feet. | -2,070 | +4,820 | +3,220 | +5,140 | +4,140 | +550 | -3,880 | -3,490 | -6,160 | -6,390 | -5,590 | -5,110 |

| | Calendar Year 2011 | Water Year 2012 |
|--|--------------------|-----------------|
| Max | 42,340 | 41,090 |
| Min | 22,870 | 10,350 |
| Change in contents, in acre-feet. | -3,900 | -14,820 |

10292500 Bridgeport Reservoir near Bridgeport, CA—Continued

