



Water-Data Report 2007

11442690 Brush Creek Reservoir near Pollock Pines, CA

Sacramento River Basin

LOCATION.--Lat 38°48'42", long 120°37'14" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.10, T.11 N., R.12 E., El Dorado County, CA, Hydrologic Unit 18020129, Eldorado National Forest, in outlet tower to Camino Powerplant, 200 ft upstream from left abutment of Brush Creek Diversion Dam, and 4.0 mi northwest of Pollock Pines.

DRAINAGE AREA.--8.02 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1991 to current year. Unpublished records for water years 1980-91 available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Sacramento Municipal Utility District). Prior to Apr. 7, 1987, nonrecording gage at same site and datum.

COOPERATION.--Records were collected by Sacramento Municipal Utility District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2101.

REMARKS.--Reservoir is formed by concrete-arch dam completed in 1970. Storage began in 1970. Capacity, 1,350 acre-ft (revised) at 2,915 ft, crest of spillway. Most of the water is diverted at this reservoir to Camino Powerplant (station 11441895). Records, including extremes, represent total contents at 2400 hours. See schematic diagram of South Fork American River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,546 acre-ft, Jan. 25, 1997, elevation, 2,915.72 ft; minimum, 541 acre-ft, June 29, 1995, elevation, 2,853.64 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,320 acre-ft, Mar. 11, elevation, 2,913.62 ft; minimum, 1,070 acre-ft, Dec. 8-11, minimum elevation, 2,900.23 ft, Dec. 9.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Table provided by Sacramento Municipal Utility District, based on June, 2000, survey)
(REVISED)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
2,820	88	2,850	354	2,880	738	2,900	1,060
2,830	163	2,860	469	2,890	893	2,915	1,350
2,840	253	2,870	597				

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,220	1,220	1,110	1,110	1,110	1,220	1,220	1,300	1,250	1,290	1,180	1,250
2	1,220	1,220	1,100	1,110	1,100	1,220	1,220	1,230	1,250	1,290	1,180	1,240
3	1,220	1,220	1,100	1,100	1,100	1,230	1,220	1,230	1,260	1,290	1,180	1,240
4	1,220	1,210	1,090	1,160	1,100	1,230	1,220	1,240	1,260	1,290	1,180	1,230
5	1,230	1,210	1,090	1,180	1,090	1,240	1,220	1,240	1,260	1,240	1,170	1,230
6	1,230	1,200	1,080	1,190	1,080	1,240	1,230	1,250	1,260	1,230	1,170	1,230
7	1,230	1,200	1,080	1,190	1,080	1,250	1,230	1,250	1,270	1,230	1,170	1,220
8	1,230	1,190	1,070	1,190	1,080	1,270	1,230	1,250	1,270	1,230	1,160	1,220
9	1,230	1,190	1,070	1,190	1,090	1,290	1,230	1,250	1,270	1,230	1,160	1,210
10	1,230	1,180	1,070	1,190	1,130	1,300	1,230	1,260	1,270	1,230	1,160	1,210
11	1,230	1,180	1,070	1,190	1,190	1,320	1,230	1,260	1,270	1,230	1,160	1,210
12	1,230	1,170	1,080	1,180	1,220	1,240	1,230	1,260	1,280	1,230	1,150	1,200
13	1,230	1,170	1,090	1,180	1,230	1,270	1,240	1,260	1,280	1,230	1,100	1,200
14	1,230	1,180	1,090	1,180	1,210	1,290	1,240	1,260	1,280	1,220	1,100	1,200
15	1,230	1,180	1,100	1,170	1,210	1,300	1,250	1,260	1,280	1,220	1,100	1,190
16	1,230	1,170	1,100	1,170	1,210	1,270	1,250	1,260	1,280	1,220	1,150	1,190
17	1,230	1,170	1,100	1,160	1,210	1,290	1,250	1,260	1,280	1,220	1,200	1,190
18	1,230	1,160	1,100	1,160	1,210	1,300	1,250	1,260	1,280	1,220	1,190	1,180
19	1,230	1,160	1,100	1,160	1,210	1,250	1,260	1,260	1,280	1,220	1,190	1,180
20	1,230	1,150	1,090	1,150	1,210	1,260	1,260	1,260	1,280	1,210	1,190	1,180
21	1,230	1,150	1,100	1,150	1,210	1,260	1,260	1,260	1,290	1,210	1,180	1,170
22	1,230	1,140	1,110	1,150	1,210	1,270	1,280	1,260	1,290	1,210	1,180	1,170
23	1,230	1,140	1,110	1,140	1,210	1,270	1,290	1,260	1,290	1,210	1,180	1,170
24	1,230	1,140	1,110	1,140	1,180	1,280	1,300	1,260	1,290	1,210	1,180	1,170
25	1,230	1,130	1,110	1,130	1,170	1,180	1,310	1,260	1,290	1,200	1,170	1,170
26	1,230	1,130	1,090	1,130	1,200	1,190	1,310	1,260	1,290	1,200	1,170	1,160
27	1,230	1,130	1,110	1,130	1,210	1,200	1,290	1,250	1,290	1,200	1,170	1,150
28	1,230	1,120	1,110	1,120	1,220	1,200	1,290	1,250	1,290	1,200	1,160	1,150
29	1,230	1,120	1,110	1,120	---	1,210	1,290	1,250	1,290	1,190	1,160	1,150
30	1,230	1,110	1,110	1,120	---	1,210	1,300	1,250	1,290	1,190	1,250	1,140
31	1,220	---	1,110	1,110	---	1,220	---	1,250	---	1,190	1,250	---
Max	1,230	1,220	1,110	1,190	1,230	1,320	1,310	1,300	1,290	1,290	1,250	1,250
Min	1,220	1,110	1,070	1,100	1,080	1,180	1,220	1,230	1,250	1,190	1,100	1,140
Elevation, in feet, at end of month	2,908.62	2,902.67	2,902.68	2,902.62	2,908.36	2,908.20	2,912.33	2,910.01	2,911.88	2,906.76	2,909.94	2,904.47
Change in contents, in acre-feet	^a 0	-110	0	0	+110	0	+80	-50	+40	-100	+60	-110

^a Computed based on revised capacity table, put into use October 1, 2006.

	Calendar Year 2006	Water Year 2007
Max	1,520	1,320
Min	1,070	1,070
Change in contents, in acre-feet	^a +174	^a -80

^a Computed based on revised capacity table, put into use October 1, 2006.

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