

Water-Data Report CA-2005

11413940 KIDD LAKE NEAR SODA SPRINGS, CA

Sacramento River Basin

LOCATION.--Lat 39°18'41", long 120°25'54" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.29, T.17 N., R.14 E., Placer County, Hydrologic Unit 18020125, on outlet structure on Kidd Lake Dam, and 3.0 mi west of Soda Springs.

DRAINAGE AREA.--0.95 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1991 to September 2000, October 2001 to current year. Unpublished records for water years 1966-91 available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 6,600.3 ft above NGVD of 1929 (levels by Pacific Gas and Electric Company). Prior to July 1991, nonrecording gage at same site and datum.

REMARKS.--Records not collected during winter months. Reservoir is formed on natural lake by rock-fill dam completed in 1855. Usable capacity, 1,505 acre-ft, between gage heights 0.0 ft, invert of outlet, and 27.3 ft, crest of spillway. Water is used for power development downstream. Records represent usable contents at 2400 hours.

COOPERATION.--Records were collected by Pacific Gas and Electric Company, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2310.

Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on survey by Pacific Gas and Electric Company, dated April 1965)

Elevation	Contents	Elevation	Contents	Elevation	Contents
0	0	8	259	20	918
4	117	16	654	28	1,568

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**RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	295	118	---	---	---	---	---	---	1,560	1,520	1,410	1,250
2	287	113	---	---	---	---	---	---	1,560	1,520	1,410	1,250
3	278	110	---	---	---	---	---	---	1,560	1,510	1,400	1,240
4	270	104	---	---	---	---	---	---	1,560	1,510	1,400	1,230
5	261	99	---	---	---	---	---	---	1,560	1,510	1,400	1,220
6	250	94	---	---	---	---	---	---	1,560	1,500	1,390	1,210
7	240	88	---	---	---	---	---	---	1,560	1,500	1,390	1,200
8	230	55	---	---	---	---	---	---	1,570	1,500	1,390	1,190
9	221	38	---	---	---	---	---	---	1,570	1,490	1,380	1,180
10	212	35	---	---	---	---	---	---	1,560	1,490	1,380	1,160
11	203	39	---	---	---	---	---	---	1,560	1,490	1,370	1,140
12	193	30	---	---	---	---	---	---	1,550	1,480	1,370	1,130
13	186	25	---	---	---	---	---	---	1,550	1,480	1,360	1,110
14	179	20	---	---	---	---	---	---	1,550	1,480	1,350	1,090
15	173	16	---	---	---	---	---	---	1,550	1,470	1,350	1,070
16	171	15	---	---	---	---	---	---	1,550	1,470	1,340	1,060
17	175	---	---	---	---	---	---	---	1,550	1,470	1,340	1,040
18	172	---	---	---	---	---	---	---	1,550	1,460	1,330	1,020
19	173	---	---	---	---	---	---	---	1,550	1,460	1,320	1,010
20	171	---	---	---	---	---	---	---	1,550	1,460	1,320	990
21	166	---	---	---	---	---	---	---	1,540	1,450	1,310	973
22	161	---	---	---	---	---	---	---	1,540	1,450	1,310	955
23	157	---	---	---	---	---	---	1,460	1,540	1,450	1,300	938
24	152	---	---	---	---	---	---	1,490	1,540	1,440	1,300	920
25	151	---	---	---	---	---	---	1,510	1,540	1,440	1,290	902
26	151	---	---	---	---	---	---	1,540	1,540	1,430	1,290	887
27	146	---	---	---	---	---	---	1,560	1,530	1,430	1,280	872
28	140	---	---	---	---	---	---	1,560	1,530	1,420	1,280	855
29	136	---	---	---	---	---	---	1,560	1,530	1,420	1,270	839
30	130	---	---	---	---	---	---	1,560	1,520	1,420	1,260	823
31	123	---	---	---	---	---	---	1,560	---	1,420	1,260	---
Max	295	---	---	---	---	---	---	---	1,570	1,520	1,410	1,250
Min	123	---	---	---	---	---	---	---	1,520	1,420	1,260	823
Elevation, in feet, at end of month	4.17	---	---	---	---	---	---	27.86	27.50	26.27	24.39	18.64
Change in contents, in acre-feet	-181	---	---	---	---	---	---	---	-40	-100	-160	-437

Water Year 2005	
Change in contents, in acre-feet	+519

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