

11429350 Loon Lake near Meeks Bay, CA

Sacramento River Basin

LOCATION.--Lat 38°58'59", long 120°19'22" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.8, T.13 N., R.15 E., El Dorado County, CA, Hydrologic Unit 18020128, Eldorado National Forest, in powerplant intake structure, 1.6 mi southwest of right bank end of Loon Lake Dam on Gerle Creek, and 10 mi southwest of Meeks Bay.

DRAINAGE AREA.--7.96 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1963 to current year.

CHEMICAL ANALYSES: Water year 1996.

REVISED RECORDS.--WDR CA-76-4: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Sacramento Municipal Utility District). Prior to Sept. 23, 1975, at site 1.6 mi northeast on right bank end of Loon Lake Dam at same 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 an earthfill dam completed Dec. 27, 1963, storage began Dec. 5, 1963. Prior to September 1962, reservoir was formed by granite-block dam built in 1884, capacity, 8,000 acre-ft. Capacity, 69,310 acre-ft at 6,410 ft, crest of spillway. Lake receives water from Rubicon River via Rubicon-Rockbound Tunnel to Buck Island Lake and from Buck Island Lake to Loon Lake via Buck-Loon Tunnel (stations 11427940 and 11428300). Records, including extremes, represent total contents. See schematic diagram of Middle Fork American and Rubicon River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 77,700 acre-ft, June 6, 1969, elevation, 6,411.1 ft; minimum since reservoir first filled, 3,262 acre-ft, Nov. 8, 9, 1988, elevation, 6,328.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 68,300 acre-ft, June 3, 7, maximum elevation, 6,409.29 ft, June 3; minimum, 43,000 acre-ft, Sept. 30, elevation, 6,389.06 ft.

**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
6,330	2,430	6,350	9,855	6,370	24,160	6,412	72,160
6,340	5,121	6,360	16,250	6,390	44,030		

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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	45,900	43,100	46,600	50,100	44,700	48,200	50,000	60,600	67,900	66,500	57,100	49,400
2	45,800	43,200	46,500	50,100	44,700	47,900	50,300	61,300	68,100	66,300	56,800	49,200
3	45,800	43,300	46,500	50,100	44,700	47,600	50,600	61,700	68,300	66,100	56,600	49,000
4	45,700	43,400	46,400	50,600	44,700	47,300	50,900	61,700	68,200	65,800	56,400	48,800
5	45,600	43,600	46,300	50,500	44,700	47,000	51,500	61,700	68,100	65,400	56,100	48,500
6	45,500	43,600	46,300	50,600	44,700	46,800	52,100	61,500	68,200	65,300	55,800	48,200
7	45,400	43,600	46,300	50,600	44,800	46,600	52,900	61,300	68,300	64,900	55,500	48,000
8	45,400	43,600	46,300	50,500	44,900	46,500	53,700	61,400	68,200	64,500	55,300	47,800
9	45,300	43,600	46,400	50,300	45,200	46,400	54,300	61,800	68,100	64,100	55,100	47,600
10	45,300	43,700	46,500	49,900	46,200	46,200	54,900	62,800	68,000	63,800	54,800	47,400
11	45,200	43,800	46,500	49,600	47,100	46,000	55,400	63,900	67,900	63,600	54,600	47,100
12	45,100	43,600	46,600	49,300	47,600	46,000	55,700	64,800	67,900	63,200	54,300	46,900
13	44,800	43,700	47,000	48,500	47,800	46,000	55,900	65,800	67,900	62,900	54,100	46,700
14	44,600	45,200	47,900	47,900	47,900	46,200	56,100	66,200	68,000	62,600	53,800	46,400
15	44,400	46,000	48,800	46,700	48,000	46,400	56,300	66,400	67,800	62,200	53,600	46,300
16	44,300	46,300	49,200	46,300	48,100	46,700	56,300	66,500	67,700	61,900	53,300	46,100
17	44,200	46,400	49,500	46,200	48,100	47,100	56,400	66,700	67,500	61,600	53,000	45,800
18	44,000	46,600	49,600	46,200	48,300	47,500	56,700	67,000	67,200	61,300	52,700	45,600
19	44,000	46,700	49,600	46,100	48,500	47,900	56,700	67,000	66,900	61,000	52,500	45,400
20	43,900	46,600	49,600	46,100	48,200	48,300	56,800	67,000	66,900	60,700	52,300	45,200
21	43,900	46,600	49,800	46,100	47,700	48,500	56,900	67,100	66,900	60,300	52,000	44,900
22	43,800	46,600	49,900	46,000	47,900	48,600	57,200	67,100	66,600	60,000	51,700	44,700
23	43,800	46,700	49,900	45,900	48,000	48,600	57,300	66,900	66,600	59,600	51,500	44,600
24	43,700	46,600	50,000	45,900	48,100	48,700	57,500	66,800	66,600	59,300	51,300	44,300
25	43,700	46,600	50,000	45,800	48,500	48,900	57,700	66,700	66,600	59,100	51,100	44,100
26	43,600	46,700	49,900	45,800	48,800	49,400	58,200	66,600	66,600	58,800	50,800	43,900
27	43,600	46,800	50,100	45,800	48,600	49,700	58,400	66,900	66,600	58,500	50,600	43,600
28	43,600	46,800	50,100	45,800	48,400	49,800	58,700	67,100	66,600	58,100	50,400	43,400
29	43,600	46,700	50,100	45,600	---	49,800	59,300	67,400	66,500	57,800	50,200	43,200
30	43,600	46,600	50,100	45,400	---	49,800	60,000	67,500	66,500	57,500	49,900	43,000
31	43,500	---	50,100	45,000	---	49,900	---	67,700	---	57,300	49,700	---
Max	45,900	46,800	50,100	50,600	48,800	49,900	60,000	67,700	68,300	66,500	57,100	49,400
Min	43,500	43,100	46,300	45,000	44,700	46,000	50,000	60,600	66,500	57,300	49,700	43,000
Elevation, in feet, at end of month	6,389.52	6,392.26	6,395.24	6,390.88	6,393.80	6,395.04	6,403.13	6,408.87	6,407.97	6,401.05	6,394.89	6,389.06
Change in contents, in acre-feet	^a -2,360	+3,100	+3,500	-5,100	+3,400	+1,500	+10,100	+7,700	-1,200	-9,200	-7,600	-6,700

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

	Calendar Year 2006	Water Year 2007
Max	68,400	68,300
Min	28,000	43,000
Change in contents, in acre-feet	^a -9,460	^a -2,860

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

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