



Water-Data Report 2007

11241950 Redinger Lake near Auberry, CA

San Joaquin River Basin

LOCATION.--Lat 37°08'42", long 119°26'58" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.15, T.9 S., R.23 E., Madera County, CA, Hydrologic Unit 18040006, in Sierra National Forest, at intake structure on dam No. 7 on San Joaquin River, and 4.2 mi northeast of Auberry.

DRAINAGE AREA.--1,295 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1950 to current year. Prior to October 1965, monthend contents only, published in WSP 1930.

GAGE.--Water-stage recorder. Elevation of gage is 1,413.5 ft above NGVD of 1929, top of dam (levels by Southern California Edison Co.).

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2017. Contents not rounded to U.S. Geological Survey standards.

REMARKS.--Lake is formed by a concrete dam; storage began Nov. 19, 1950. Usable capacity, 26,120 acre-ft, between elevations 1,320.00 ft, invert of tunnel, and 1,403.00 ft, top of radial gates. Additional storage of 8,914 acre-ft not available for release. Water is used for power development in Big Creek Powerplant No. 4 (station 11246530). Records, including Extremes for Period of Record, represent contents at 2400 hours. Extremes for Current Year represent instantaneous values of contents. See schematic diagram of lower San Joaquin River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 26,586 acre-ft, Aug. 5, 1978, elevation, 1,404.00 ft; minimum since appreciable storage was attained, 5,985 acre-ft, Nov. 22, 1981, elevation, 1,346.85 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 25,902 acre-ft, Mar. 19, elevation, 1,402.53 ft; minimum, 8,123 acre-ft, Feb. 5, elevation, 1,354.74 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Southern California Edison Co., dated Oct. 27, 1950)**

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
1,340	4,282	1,360	9,651	1,380	16,455	1,400	24,748
1,350	6,809	1,370	12,858	1,390	20,427	1,405	27,058

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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	24,658	24,497	12,091	23,315	12,111	25,483	24,439	24,780	24,372	24,829	25,114	24,145
2	24,564	24,762	11,814	23,407	10,623	25,200	23,632	24,699	24,358	24,861	24,591	24,322
3	24,096	24,336	11,601	23,237	9,342	25,419	23,896	24,573	24,645	24,856	24,403	24,493
4	24,591	24,888	11,814	23,289	8,140	25,483	24,078	24,712	24,699	24,979	24,304	24,105
5	24,802	24,296	11,680	23,526	8,818	25,543	24,078	24,829	24,938	25,010	24,372	23,786
6	24,739	24,470	11,866	23,759	9,657	25,168	24,309	24,412	24,802	25,073	24,372	23,744
7	24,537	24,726	12,264	23,892	10,553	25,488	23,342	24,304	24,829	24,884	24,748	23,416
8	24,605	25,186	11,833	23,963	11,631	25,483	23,171	24,251	24,942	25,092	24,466	23,302
9	24,600	24,189	11,660	23,733	12,455	25,278	22,245	24,654	24,667	24,956	24,618	22,936
10	24,672	23,350	12,482	23,552	13,348	24,775	22,185	24,457	24,847	24,430	24,875	22,633
11	24,412	23,276	13,647	23,219	14,787	24,096	22,490	24,091	24,888	24,902	24,443	22,391
12	24,524	21,962	14,617	22,858	15,791	24,627	23,355	24,309	24,983	24,969	24,739	22,288
13	24,748	20,287	15,565	22,546	16,672	24,965	23,878	24,519	24,861	25,132	24,618	21,749
14	24,834	16,867	16,501	22,056	17,388	25,155	23,825	24,511	24,965	24,992	24,766	21,877
15	24,861	14,603	17,372	22,129	18,151	25,101	24,363	24,358	24,897	25,019	24,605	21,532
16	24,780	10,736	18,480	22,322	18,928	25,223	24,834	24,681	25,128	24,997	24,296	21,240
17	24,938	10,460	19,049	22,516	19,916	25,392	24,843	24,735	24,278	25,073	24,296	20,645
18	24,951	10,764	19,641	22,704	20,706	25,241	24,667	25,101	24,884	24,951	24,136	19,425
19	25,182	10,973	20,320	22,815	21,519	25,064	24,965	24,708	24,654	25,128	23,746	18,173
20	24,979	10,973	20,819	22,858	22,223	25,195	24,965	24,721	24,672	25,092	24,309	17,256
21	24,464	11,079	21,362	22,923	22,975	25,291	24,735	25,128	24,618	25,209	24,425	16,037
22	24,618	10,945	21,800	23,066	23,746	25,060	24,911	24,902	24,951	24,951	24,843	14,801
23	24,497	11,012	22,404	23,184	25,333	25,033	24,658	24,929	24,942	24,755	24,519	13,535
24	23,601	11,114	22,754	22,430	25,360	24,884	24,238	24,789	24,372	24,726	24,282	12,141
25	23,605	11,002	23,561	21,787	25,447	24,699	24,884	24,979	24,618	24,376	24,412	11,706
26	24,766	11,319	23,746	20,361	25,392	24,667	24,560	24,793	25,078	24,888	24,109	11,280
27	25,237	11,442	23,645	18,639	25,305	24,551	24,533	25,051	25,323	24,390	24,171	11,403
28	25,060	11,455	23,513	17,059	25,006	24,278	24,775	24,739	25,209	24,256	24,497	11,775
29	25,374	11,397	23,329	15,554	---	24,264	24,911	24,843	25,037	24,278	24,003	12,521
30	25,223	11,465	23,289	14,392	---	24,681	25,073	24,466	24,875	24,390	24,136	13,337
31	24,645	---	23,377	13,150	---	25,209	---	24,403	---	24,965	23,989	---
Max	25,374	25,186	23,746	23,963	25,447	25,543	25,073	25,128	25,323	25,209	25,114	24,493
Min	23,601	10,460	11,601	13,150	8,140	24,096	22,185	24,091	24,278	24,256	23,746	11,280
Elevation, in feet, at end of month	1,399.77	1,365.81	1,396.91	1,370.85	1,400.57	1,401.02	1,400.72	1,399.23	1,400.28	1,400.48	1,398.30	1,371.39
Change in contents, in acre-feet	-27	-13,180	+11,912	-10,227	+11,856	+203	-136	-670	+472	+90	-976	-10,652

	Calendar Year 2006	Water Year 2007
Change in contents, in acre-feet	+363	-11,335

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