



Water-Data Report CA-2005

**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, 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 mi<sup>2</sup>.

**WATER-STAGE 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.).

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.

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.

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, 25,994 acre-ft, May 16, elevation, 1,402.73 ft; minimum, 10,764 acre-ft, Oct. 30, elevation, 1,363.62 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 2004 TO SEPTEMBER 2005  
DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23,918	12,583	24,385	24,238	20,076	24,524	25,652	23,711	23,971	24,504	24,627	24,304
2	24,011	12,194	24,171	23,010	21,502	24,358	24,363	22,271	23,579	24,140	24,484	24,309
3	23,482	12,101	24,587	24,564	22,897	24,202	23,693	22,065	23,838	24,053	24,493	24,573
4	23,539	12,760	24,694	24,537	23,040	24,403	24,069	23,259	24,042	24,303	24,726	23,878
5	23,671	14,292	24,358	24,251	23,350	23,931	24,282	24,372	24,003	24,319	24,956	24,131
6	23,963	16,297	24,242	22,710	23,601	23,923	25,282	24,511	23,684	24,089	24,681	24,376
7	23,224	17,306	23,825	21,545	23,075	24,721	24,372	24,082	23,680	23,829	24,979	24,242
8	23,949	18,520	23,764	20,983	22,581	25,019	24,331	23,759	24,457	24,257	23,764	24,176
9	24,051	20,138	23,843	22,815	23,812	24,834	23,640	24,149	23,931	23,877	24,721	24,537
10	23,843	21,388	24,309	21,655	25,092	24,875	24,506	23,495	24,466	24,052	24,546	24,645
11	24,345	21,719	24,466	20,786	24,452	24,506	25,538	23,429	24,546	24,045	24,708	24,331
12	24,578	22,607	24,685	21,172	24,681	23,759	25,470	24,605	24,238	24,229	25,046	24,136
13	24,979	23,171	24,372	21,693	23,079	24,078	24,131	24,942	24,318	24,244	23,368	24,229
14	24,681	23,298	23,812	21,770	23,355	24,403	24,708	24,551	24,065	24,069	23,786	24,627
15	24,390	24,479	24,318	22,594	21,655	24,202	24,721	25,155	24,363	24,106	24,003	24,847
16	24,251	24,694	24,051	22,845	20,694	24,269	24,238	23,878	23,856	23,979	24,029	24,712
17	24,519	23,680	23,442	20,958	21,261	23,684	24,807	23,219	24,269	23,874	24,640	24,618
18	25,227	23,892	23,154	18,064	21,570	24,091	24,856	23,350	23,711	24,307	24,216	24,069
19	24,992	23,971	23,403	18,052	23,193	23,088	24,278	24,735	24,251	24,506	23,566	24,573
20	24,802	23,495	23,945	18,456	22,884	24,560	22,611	24,430	24,278	24,120	24,345	24,264
21	24,016	23,865	23,949	19,097	23,272	24,176	22,142	23,508	24,372	24,003	24,573	24,372
22	22,001	24,171	24,412	19,013	24,712	25,223	22,159	23,119	24,640	24,533	24,511	24,182
23	20,485	24,412	23,931	18,556	24,748	23,403	23,469	22,736	23,985	24,443	24,452	23,876
24	17,132	24,897	24,091	18,080	24,911	24,322	25,119	22,168	24,118	24,171	24,145	24,477
25	15,139	24,739	24,038	18,647	24,748	24,003	25,101	23,535	23,971	24,051	23,945	24,457
26	13,892	24,843	23,632	19,486	24,712	24,256	25,648	24,202	23,936	23,918	24,011	23,764
27	12,882	24,802	23,486	19,830	24,667	23,878	25,241	24,042	24,145	24,078	24,309	23,638
28	12,305	25,186	24,497	20,585	25,168	24,578	24,479	23,750	23,799	23,856	24,345	23,757
29	10,821	24,078	24,011	19,592	---	24,412	24,229	23,381	24,303	23,963	23,684	23,916
30	10,964	24,627	24,309	17,844	---	24,011	23,958	23,416	24,061	24,430	23,963	24,827
31	12,052	---	23,706	18,639	---	23,363	---	23,746	---	24,573	24,479	---
<b>Max</b>	25,227	25,186	24,694	24,564	25,168	25,223	25,652	25,155	24,640	24,573	25,046	24,847
<b>Min</b>	10,821	12,101	23,154	17,844	20,076	23,088	22,142	22,065	23,579	23,829	23,368	23,638
<b>Elevation, in feet, at end of month</b>	1,367.60	1,399.73	1,399.66	1,385.61	1,400.93	1,396.88	1,398.23	1,397.75	1,398.46	1,399.61	1,399.40	1,400.18
<b>Change in contents, in acre-feet</b>	-12,217	+12,575	-921	-5,067	+6,529	-1,805	+595	-212	+315	+512	-94	+348

	Calendar Year 2004	Water Year 2005
<b>Change in contents, in acre-feet</b>	-867	+558

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