

11108092 Elderberry Forebay near Castaic, CA

Santa Clara River Basin

LOCATION.--Lat 34°33'46", long 118°37'58" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.36, T.6 N., R.17 W., Los Angeles County, CA, Hydrologic Unit 18070102, in Angeles National Forest, in outlet tower in Elderberry Forebay, and 5 mi north of Castaic.

DRAINAGE AREA.--76.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1995 to current year. Prior to October 1995 in files of California Department of Water Resources.

GAGE.--Water-stage recorder. Elevation of gage is NGVD of 1929 (levels by Los Angeles Department of Water and Power).

COOPERATION.--Records were provided by California Department of Water Resources, Southern Division, Castaic Operations Office, under the general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2426. Contents not rounded to U.S. Geological Survey standards.

REMARKS.--Forebay is formed by an earthen dam on Castaic Creek completed in 1974. Capacity, 32,476 acre-ft, at spillway crest on dam, at elevation 1,540 ft. Storage at normal minimum pool, 12,228 acre-ft, at elevation 1,490 ft. Forebay receives water from Pyramid Lake (station 11109520) via Castaic Powerplant. Water is pumped at times to Pyramid Lake during off-peak periods to be re-released through the powerplant. Records represent total contents. See schematic diagram of Santa Clara River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(at 2400 hours) Maximum contents, 31,537 acre-ft, Oct. 5, 2000, elevation, 1,538.09 ft; minimum, no contents many days in November, December 2006, and January 2007.

EXTREMES FOR CURRENT YEAR.--(at 2400 hours) Maximum contents, 24,496 acre-ft, Dec. 3, elevation, 1,522.91 ft; minimum, 17,142 acre-ft, Aug. 1, elevation, 1,504.54 ft.

**Capacity table (elevation in feet, and contents, in acre-feet)
Based on table provided by California Department of Water Resources dated Jan. 27, 1995)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,490	12,228	1,510	19,183	1,530	27,680
1,500	15,527	1,520	23,240	1,540	32,476

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19,610	20,990	17,364	20,769	18,722	18,483	20,825	19,544	20,401	20,592	17,142	20,147
2	19,489	19,311	22,071	19,540	19,731	18,676	20,092	17,999	19,153	20,986	18,805	19,895
3	19,246	18,355	24,496	18,389	20,417	19,050	19,431	19,645	23,028	20,345	18,048	22,375
4	20,222	18,619	23,232	19,277	23,045	22,001	18,570	19,219	23,011	19,801	19,501	20,636
5	19,031	19,672	22,071	19,346	22,346	21,811	18,779	19,450	19,982	20,813	22,100	19,219
6	19,165	20,894	20,889	19,517	19,466	18,882	17,729	22,884	17,754	21,918	21,494	19,817
7	19,903	19,978	19,927	20,183	17,794	18,115	19,513	23,279	19,544	21,535	20,179	20,433
8	21,429	19,633	18,578	20,680	17,651	17,681	20,994	18,939	19,887	22,905	19,015	19,688
9	20,504	19,832	22,046	19,544	19,739	17,747	20,716	18,287	20,147	21,671	18,438	18,775
10	17,958	20,127	22,986	18,798	21,238	19,004	19,860	17,977	21,413	20,664	18,589	18,340
11	17,732	20,226	22,421	18,904	22,791	19,412	19,982	20,353	19,023	22,421	19,895	18,631
12	17,640	20,373	19,431	19,157	21,589	18,400	19,844	21,437	17,485	20,917	21,413	19,269
13	18,287	22,254	17,803	19,497	18,389	17,729	19,073	22,606	17,688	18,175	20,841	18,950
14	19,165	20,636	18,862	20,885	18,340	17,732	19,474	21,662	17,970	21,376	18,866	19,284
15	21,079	18,722	18,916	20,266	19,381	17,925	20,813	19,211	18,370	21,519	18,847	19,489
16	21,654	17,754	18,958	18,239	19,466	18,536	21,356	17,773	20,214	19,219	19,200	20,488
17	20,962	18,246	21,968	17,449	19,637	19,653	20,171	18,612	22,238	19,629	20,167	18,430
18	19,134	19,852	19,731	18,396	20,857	19,688	17,754	20,226	20,286	19,594	19,715	19,008
19	18,904	21,254	18,638	18,646	20,636	18,828	18,855	21,429	18,216	19,046	21,169	19,817
20	18,954	20,199	18,874	18,847	18,494	18,855	19,150	21,474	18,197	18,007	20,990	18,190
21	19,552	19,548	19,680	20,183	17,592	18,205	19,447	19,284	19,389	18,763	19,242	18,190
22	19,907	18,411	19,879	19,524	18,646	18,340	22,313	18,396	19,474	20,877	19,797	19,715
23	18,725	19,015	20,049	19,042	18,989	18,115	21,708	20,417	19,587	21,519	21,063	19,844
24	18,989	17,754	20,222	18,321	19,123	19,165	19,598	21,667	19,703	20,628	19,057	19,203
25	19,327	17,519	20,309	19,296	20,484	20,076	17,269	21,798	18,205	21,035	19,844	18,007
26	19,288	18,134	20,532	19,362	20,600	19,246	20,321	19,809	18,528	21,881	23,249	19,544
27	19,919	20,309	20,901	19,431	18,809	18,973	20,457	17,164	18,958	21,671	22,100	19,354
28	20,183	21,006	19,625	22,075	18,101	18,843	20,628	18,265	19,242	20,282	21,197	18,115
29	21,437	22,121	20,068	22,167	---	18,931	22,644	18,687	20,664	19,169	21,116	20,226
30	22,413	20,313	20,242	19,958	---	19,234	21,918	19,319	19,970	18,574	20,441	20,841
31	21,881	---	20,329	17,836	---	20,104	---	20,171	---	18,472	20,441	---
Max	22,413	22,254	24,496	22,167	23,045	22,001	22,644	23,279	23,028	22,905	23,249	22,375
Min	17,640	17,519	17,364	17,449	17,592	17,681	17,269	17,164	17,485	18,007	17,142	18,007
Elevation, in feet, at end of month	1,516.38	1,512.80	1,512.92	1,506.43	1,507.14	1,512.36	1,516.73	1,512.48	1,512.40	1,507.95	1,513.15	1,514.17
Change in contents, in acre-feet	3,178	-1,568	16	-2,493	265	2,003	1,814	-1,747	-201	-1,498	1,969	400

	Calendar Year 2012	Water Year 2013
Max	24,890	24,496
Min	14,103	17,142
Change in Contents	2,154	2,138

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