11287500 Don Pedro Reservoir near La Grange, CA

San Joaquin River Basin

LOCATION.--Lat 37°42′06″, long 120°25′16″ referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.3, T.3 S., R.14 E., Tuolumne County, CA, Hydrologic Unit 18040009, on left end of New Don Pedro Dam on Tuolumne River, 500 ft downstream from Mexican Gulch, and 3.4 mi northeast of La Grange.

DRAINAGE AREA.--1,534 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1923 to current year. Year-end contents only 1923-24, and October 1924 to September 1930 monthend contents, published in WSP 1315-A.

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Turlock Irrigation District). Prior to Feb. 1, 1941, nonrecording gage at site 1.5 mi upstream at same datum. Feb. 2, 1941, to Nov. 3, 1970, water-stage recorder at site 1.5 mi upstream at same datum. Nov. 4, 1970, to Apr. 26, 1972, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by earth-fill dam completed June 23, 1971. Storage began Nov. 3, 1970. Total capacity, 2,030,000 acre-ft, at elevation 830.0 ft, top of uncontrolled spillway, of which 309,000 acre-ft below elevation 600.0 ft, mutually agreed-upon minimum, is not available for release. Water passes through powerplant at dam and down Tuolumne River to La Grange Dam, 2.5 mi downstream, where it is diverted into Turlock and Modesto Canals (stations 11289500 and 11289000) for irrigation. This reservoir is operated jointly by Turlock and Modesto Irrigation Districts. Prior to June 1971, reservoir was formed by a concrete gravity-type dam completed Jan. 1, 1923, capacity, 290,400 acre-ft. Records, excluding extremes, represent total contents at 2400 hours. See schematic diagram of Tuolumne River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,044,000 acre-ft, Jan. 2, 1997, elevation, 831.11 ft; minimum, 29,200 acre-ft, Sept. 1-3, 5, 1934, minimum elevation, 475.0 ft, Sept. 1, 2, 1934. Minimum since reservoir first filled, 302,600 acre-ft, Oct. 14, 15, 1977, elevation, 598.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,688,000 acre-ft, Oct. 1, maximum elevation, 799.88 ft; minimum, 1,266,000 acre-ft, Sept. 30, minimum elevation, 759.99 ft.

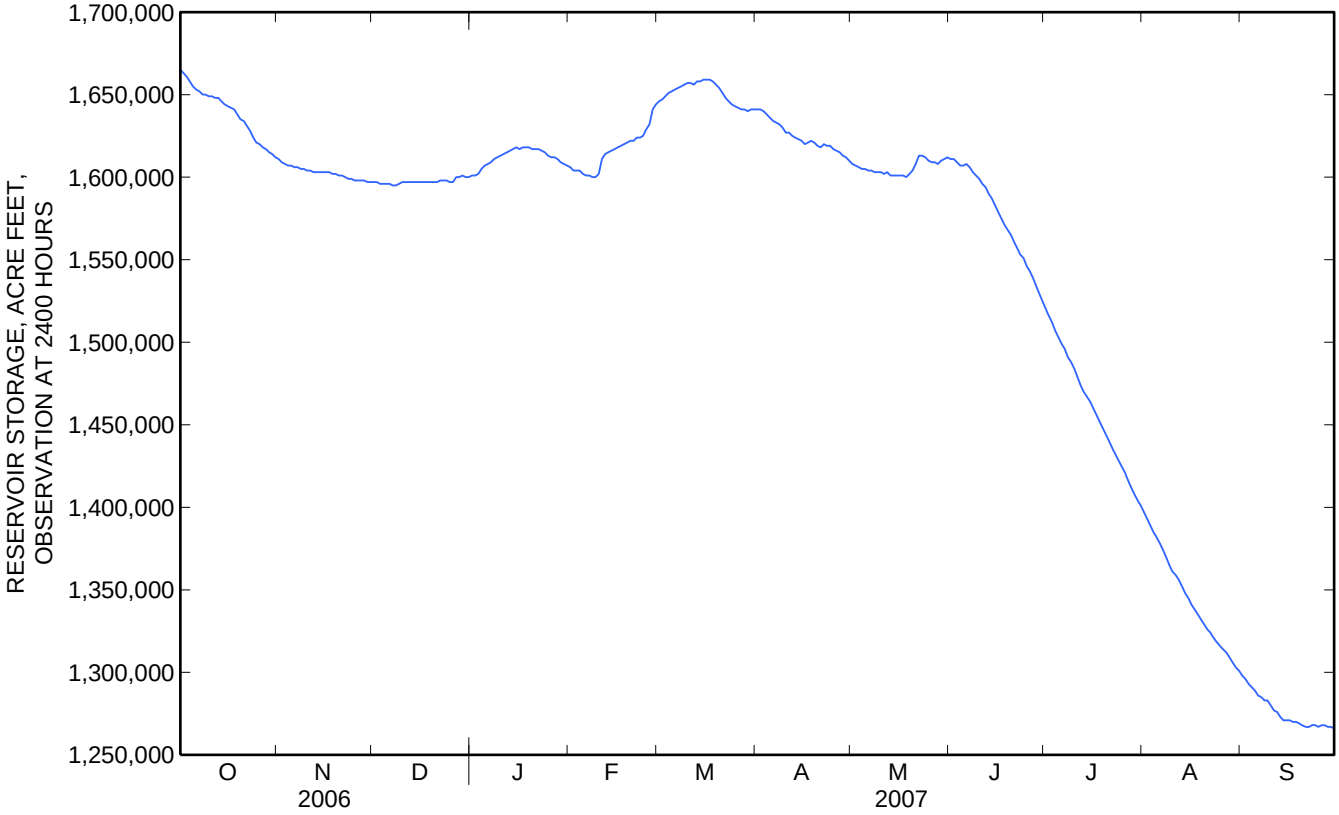
Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Modesto and Turlock Irrigation Districts, dated August 1970)

Elevation	Contents	Elevation	Contents	Elevation	Contents
550	158,700	650	517,400	770	1,359,000
570	212,900	680	679,000	800	1,669,000
590	274,800	710	869,700	830	2,030,000
620	384,100	740	1,095,000		

11287500 Don Pedro Reservoir near La Grange, CA—Continued

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	1,665,000	1,611,000	1,597,000	1,601,000	1,606,000	1,646,000	1,641,000	1,608,000	1,611,000	1,520,000	1,397,000	1,298,000
2	1,663,000	1,609,000	1,597,000	1,601,000	1,604,000	1,647,000	1,641,000	1,607,000	1,611,000	1,516,000	1,393,000	1,296,000
3	1,661,000	1,608,000	1,596,000	1,602,000	1,604,000	1,649,000	1,640,000	1,606,000	1,609,000	1,512,000	1,389,000	1,293,000
4	1,658,000	1,607,000	1,596,000	1,605,000	1,604,000	1,651,000	1,638,000	1,605,000	1,607,000	1,507,000	1,385,000	1,291,000
5	1,655,000	1,607,000	1,596,000	1,607,000	1,602,000	1,652,000	1,636,000	1,605,000	1,607,000	1,503,000	1,382,000	1,289,000
6	1,653,000	1,606,000	1,596,000	1,608,000	1,601,000	1,653,000	1,634,000	1,604,000	1,608,000	1,499,000	1,378,000	1,286,000
7	1,652,000	1,606,000	1,595,000	1,609,000	1,601,000	1,654,000	1,633,000	1,604,000	1,606,000	1,496,000	1,374,000	1,285,000
8	1,650,000	1,605,000	1,595,000	1,611,000	1,600,000	1,655,000	1,632,000	1,603,000	1,603,000	1,491,000	1,370,000	1,283,000
9	1,650,000	1,605,000	1,596,000	1,612,000	1,600,000	1,656,000	1,630,000	1,603,000	1,601,000	1,488,000	1,365,000	1,283,000
10	1,649,000	1,604,000	1,597,000	1,613,000	1,602,000	1,657,000	1,627,000	1,603,000	1,599,000	1,484,000	1,361,000	1,280,000
11	1,649,000	1,604,000	1,597,000	1,614,000	1,611,000	1,657,000	1,627,000	1,602,000	1,596,000	1,479,000	1,359,000	1,277,000
12	1,648,000	1,603,000	1,597,000	1,615,000	1,614,000	1,656,000	1,625,000	1,603,000	1,594,000	1,474,000	1,356,000	1,276,000
13	1,648,000	1,603,000	1,597,000	1,616,000	1,615,000	1,658,000	1,624,000	1,601,000	1,590,000	1,470,000	1,352,000	1,273,000
14	1,646,000	1,603,000	1,597,000	1,617,000	1,616,000	1,658,000	1,623,000	1,601,000	1,587,000	1,467,000	1,348,000	1,271,000
15	1,644,000	1,603,000	1,597,000	1,618,000	1,617,000	1,659,000	1,622,000	1,601,000	1,583,000	1,464,000	1,345,000	1,271,000
16	1,643,000	1,603,000	1,597,000	1,617,000	1,618,000	1,659,000	1,620,000	1,601,000	1,579,000	1,460,000	1,341,000	1,271,000
17	1,642,000	1,603,000	1,597,000	1,618,000	1,619,000	1,659,000	1,621,000	1,601,000	1,575,000	1,456,000	1,338,000	1,270,000
18	1,641,000	1,602,000	1,597,000	1,618,000	1,620,000	1,658,000	1,622,000	1,600,000	1,571,000	1,452,000	1,335,000	1,270,000
19	1,638,000	1,602,000	1,597,000	1,618,000	1,621,000	1,656,000	1,621,000	1,602,000	1,568,000	1,448,000	1,332,000	1,269,000
20	1,635,000	1,601,000	1,597,000	1,617,000	1,622,000	1,654,000	1,619,000	1,604,000	1,565,000	1,444,000	1,329,000	1,268,000
21	1,634,000	1,601,000	1,597,000	1,617,000	1,622,000	1,651,000	1,618,000	1,608,000	1,561,000	1,440,000	1,326,000	1,267,000
22	1,631,000	1,600,000	1,598,000	1,617,000	1,624,000	1,648,000	1,620,000	1,613,000	1,557,000	1,436,000	1,324,000	1,267,000
23	1,628,000	1,599,000	1,598,000	1,616,000	1,624,000	1,646,000	1,619,000	1,613,000	1,553,000	1,432,000	1,321,000	1,268,000
24	1,624,000	1,599,000	1,598,000	1,615,000	1,625,000	1,644,000	1,619,000	1,612,000	1,551,000	1,428,000	1,318,000	1,268,000
25	1,621,000	1,598,000	1,597,000	1,613,000	1,629,000	1,643,000	1,617,000	1,610,000	1,546,000	1,425,000	1,316,000	1,267,000
26	1,620,000	1,598,000	1,597,000	1,612,000	1,632,000	1,642,000	1,616,000	1,609,000	1,543,000	1,421,000	1,314,000	1,268,000
27	1,618,000	1,598,000	1,600,000	1,612,000	1,641,000	1,641,000	1,615,000	1,609,000	1,539,000	1,416,000	1,312,000	1,268,000
28	1,617,000	1,598,000	1,600,000	1,611,000	1,644,000	1,641,000	1,613,000	1,608,000	1,534,000	1,412,000	1,309,000	1,267,000
29	1,615,000	1,597,000	1,601,000	1,609,000	---	1,640,000	1,612,000	1,610,000	1,529,000	1,408,000	1,306,000	1,267,000
30	1,614,000	1,597,000	1,600,000	1,608,000	---	1,641,000	1,610,000	1,611,000	1,525,000	1,404,000	1,303,000	1,266,000
31	1,612,000	---	1,600,000	1,607,000	---	1,641,000	---	1,612,000	---	1,401,000	1,301,000	---
Max	1,665,000	1,611,000	1,601,000	1,618,000	1,644,000	1,659,000	1,641,000	1,613,000	1,611,000	1,520,000	1,397,000	1,298,000
Min	1,612,000	1,597,000	1,595,000	1,601,000	1,600,000	1,640,000	1,610,000	1,600,000	1,525,000	1,401,000	1,301,000	1,266,000
Elevation, in feet, at end of month												
	794.83	793.45	793.73	794.32	797.72	797.44	794.62	794.85	786.64	774.29	763.76	760.01
Change in contents, in acre-feet												
	-55,000	-15,000	+3,000	+7,000	+37,000	-3,000	-31,000	+2,000	-87,000	-124,000	-100,000	-35,000

	Calendar Year 2006	Water Year 2007
Change in contents, in acre-feet	-107,000	-401,000

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