



Water-Data Report CA-2005

11395400 SLY CREEK RESERVOIR NEAR STRAWBERRY VALLEY, CA

Sacramento River Basin

LOCATION.--Lat 39°35'01", long 121°06'59" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.19, T.20 N., R.8 E., Butte County, Hydrologic Unit 18020123, in Plumas National Forest, on right abutment of Sly Creek Dam on Lost Creek (revised), and 1.4 mi northwest of Strawberry Valley.

DRAINAGE AREA.--24.0 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1961 to current year (fragmentary prior to Mar. 14, 1962).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Oroville-Wyandotte Irrigation District). Prior to Sept. 30, 1966, water-stage recorder in valve chamber inside dam at same datum. Oct. 1, 1966, to December 1974, nonrecording gage read once daily.

REMARKS.--Reservoir is formed by earthfill dam. Storage began in November 1961. Total capacity, 65,600 acre-ft, between elevations 3,285 ft, invert of outlet, and 3,531 ft, top of spillway gate, all of which is available for release. Water is diverted into reservoir from South Fork Feather River through South Fork Diversion Tunnel and from North Yuba River Basin through Slate Creek Tunnel (station 11413250). Records, including extremes, represent total contents at 2400 hours. See schematic diagram of South Fork Feather River Basin.

COOPERATION.--Records provided by South Feather Water and Power Agency, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2088.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 65,600 acre-ft, June 22, 1978, elevation, 3,530.9 ft; minimum observed under normal operating conditions since reservoir first filled, 860 acre-ft, Feb. 11, 1976, elevation, 3,320.0 ft. Reservoir completely drained for powerplant construction, Sept. 12 to Oct. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 64,500 acre-ft, May 29, 30, elevation, 3,529.0 ft; minimum, 9,560 acre-ft, estimated, Dec. 5.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by Pacific Gas and Electric Company in 1946)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
3,310	450	3,340	2,150	3,400	11,500	3,480	38,500
3,315	655	3,360	4,300	3,420	16,600	3,510	53,400
3,320	860	3,380	7,360	3,450	26,300	3,531	65,600

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15,500	21,700	e9,850	17,500	20,000	26,700	56,800	58,700	64,400	59,100	49,700	35,200
2	15,700	22,300	e9,780	e17,500	20,500	28,100	57,300	59,100	64,300	59,100	48,800	34,700
3	15,600	22,900	e9,720	17,400	21,000	28,900	57,900	60,000	64,200	58,800	48,500	34,200
4	15,400	22,900	e9,630	17,200	21,500	29,600	57,900	60,400	64,000	58,600	48,000	33,600
5	15,300	22,200	e9,560	16,900	22,100	30,000	57,600	60,900	63,700	58,600	47,700	33,100
6	15,100	21,400	e9,650	16,700	22,400	30,600	57,600	61,600	63,400	58,400	47,200	32,500
7	15,100	20,700	e10,000	16,200	22,800	31,100	57,500	62,200	63,100	58,200	46,800	32,000
8	15,000	19,900	e10,400	15,800	22,600	31,800	57,100	62,700	62,800	58,300	46,100	31,500
9	15,100	19,600	11,700	15,600	22,200	32,600	57,400	63,100	62,800	58,100	45,600	31,100
10	15,000	19,300	12,400	15,300	21,800	33,400	57,800	63,000	62,700	57,900	45,100	31,000
11	15,600	18,700	12,900	15,000	21,300	34,300	58,300	62,500	62,300	57,500	45,000	31,200
12	16,100	17,800	13,300	14,700	21,000	35,600	58,800	62,000	62,100	57,400	44,600	31,000
13	16,600	17,600	13,700	14,200	21,000	36,700	59,200	62,000	61,800	57,400	44,100	30,500
14	17,200	17,200	14,100	13,500	21,500	37,500	59,700	61,600	61,400	56,900	44,300	29,600
15	17,800	16,700	14,400	13,300	21,800	38,100	60,100	61,200	61,000	56,600	43,900	29,000
16	18,300	16,200	14,700	13,100	21,900	38,900	60,600	61,400	61,000	56,300	43,400	27,900
17	19,000	15,700	15,000	12,800	22,000	39,800	61,000	61,500	61,100	55,900	42,900	27,200
18	19,600	15,400	15,200	12,300	22,000	40,500	61,000	62,700	61,100	55,600	42,300	26,200
19	20,400	15,000	15,500	11,600	22,300	41,900	60,700	63,200	61,100	55,300	41,800	25,400
20	21,100	15,100	15,700	11,700	23,300	43,900	60,400	63,000	60,900	55,100	41,500	25,300
21	21,500	14,900	15,900	11,800	23,800	45,900	60,000	63,100	60,700	54,700	41,100	25,100
22	21,500	14,300	16,100	12,000	24,200	48,900	59,700	63,100	60,400	54,400	40,600	24,400
23	21,900	13,600	16,200	12,200	24,500	50,600	59,500	63,000	60,100	54,000	40,000	23,900
24	22,100	13,000	16,400	12,400	24,600	51,500	59,300	63,300	60,000	53,700	39,400	23,500
25	22,300	12,700	16,600	12,800	24,600	52,100	59,100	63,700	60,100	53,200	38,800	23,200
26	22,100	12,500	16,700	14,200	24,700	52,700	59,200	64,000	60,100	52,600	38,200	22,700
27	22,400	12,100	16,900	16,000	24,800	53,300	58,500	64,300	60,100	52,400	37,800	22,300
28	22,300	11,600	17,200	17,200	25,700	54,400	58,300	64,400	60,000	51,800	37,200	21,900
29	22,200	11,200	17,300	18,000	---	55,000	58,000	64,500	59,600	51,200	36,600	21,400
30	21,800	e10,300	17,400	18,700	---	55,700	58,400	64,500	59,200	50,700	36,400	21,000
31	21,300	---	17,400	19,400	---	56,300	---	64,400	---	50,100	35,600	---
Max	22,400	22,900	17,400	19,400	25,700	56,300	61,000	64,500	64,400	59,100	49,700	35,200
Min	15,000	10,300	9,560	11,600	20,000	26,700	56,800	58,700	59,200	50,100	35,600	21,000
Elevation, in feet, at end of month	3,435.3	---	3,422.8	3,429.4	3,448.3	3,515.1	3,518.8	3,528.9	3,520.3	3,503.7	3,473.4	3,434.6
Change in contents, in acre-feet	+5,500	-11,000	+7,100	+2,000	+6,300	+30,600	+2,100	+6,000	-5,200	-9,100	-14,500	-14,600

	Calendar Year 2004	Water Year 2005
Change in contents, in acre-feet	-7,900	+5,200

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