



Water-Data Report 2007

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, CA, Hydrologic Unit 18020123, in Plumas National Forest, on right abutment of Sly Creek Dam on Lost Creek, and 1.4 mi northwest of Strawberry Valley.

DRAINAGE AREA.--24.0 mi².

SURFACE-WATER 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.

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.

REMARKS.--Reservoir is formed by earth-fill 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 available from the California Water Science Center.

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, 55,900 acre-ft, May 10, elevation, 3,514.4 ft; minimum, 15,600 acre-ft, Dec. 11, elevation, 3,416.3 ft.

**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 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32,900	34,000	e17,800	17,600	17,000	25,600	44,900	53,400	51,700	44,100	e39,100	28,600
2	33,400	33,500	17,400	17,000	16,700	25,100	45,500	54,000	51,600	44,000	e38,800	28,300
3	34,000	33,100	17,300	16,700	16,500	24,700	45,800	54,600	51,400	43,500	e38,500	27,900
4	34,400	32,600	16,900	17,900	16,400	24,400	46,100	55,200	51,000	43,200	e38,100	27,600
5	34,700	31,900	16,500	18,500	16,200	23,900	46,400	55,700	51,100	42,800	e37,700	27,300
6	35,000	31,200	16,300	18,800	16,100	23,600	46,700	55,700	51,200	42,600	37,300	27,000
7	35,300	31,100	16,000	19,100	16,000	23,300	47,000	55,700	51,000	42,400	36,700	26,600
8	35,600	30,700	15,700	19,300	16,200	23,100	47,400	55,700	50,700	42,400	36,500	26,300
9	35,900	30,000	15,800	19,400	18,200	23,300	47,600	55,700	50,500	42,300	36,300	25,900
10	36,300	29,200	15,700	19,700	21,200	23,500	47,800	55,900	50,100	42,100	35,900	25,500
11	36,700	28,600	15,600	19,800	24,000	23,900	48,100	55,800	50,000	42,100	35,500	25,300
12	e37,100	27,800	16,300	19,700	25,200	24,600	48,300	55,800	49,700	42,100	35,100	25,100
13	e37,300	27,200	17,800	19,600	26,100	25,600	48,500	55,800	49,200	42,100	34,800	24,900
14	e37,500	26,700	19,300	19,500	27,000	26,900	48,800	55,600	48,800	41,700	34,400	24,700
15	e37,400	26,000	20,800	19,400	27,400	28,200	49,100	55,500	48,400	41,400	34,100	24,700
16	e37,200	25,200	21,400	19,400	27,700	29,500	49,300	55,400	48,100	41,100	33,700	24,700
17	e36,900	24,600	21,800	19,300	28,000	30,900	49,300	55,300	48,000	40,700	33,300	24,800
18	36,900	24,000	21,800	19,200	28,200	32,400	49,500	55,000	47,400	40,400	e33,300	24,800
19	36,500	23,200	21,800	19,100	28,300	33,800	49,700	54,900	47,100	40,100	e33,100	24,800
20	36,400	22,500	21,500	18,900	28,100	35,200	49,800	54,700	46,700	40,100	e32,900	24,800
21	36,200	21,900	21,300	19,000	28,000	36,300	50,000	54,600	46,400	39,700	32,400	24,700
22	36,000	21,200	21,200	18,800	27,800	37,300	50,400	54,400	46,100	39,900	32,200	24,600
23	35,800	20,800	20,700	18,600	27,500	38,200	50,700	54,200	45,700	39,500	31,900	24,500
24	35,600	20,700	20,300	18,500	27,300	39,000	51,200	53,900	45,300	39,300	31,700	24,200
25	35,600	20,500	19,900	18,300	27,000	39,900	51,600	53,500	44,900	39,200	31,300	24,100
26	35,300	20,000	19,700	18,000	26,700	40,800	52,000	53,300	44,500	39,100	31,000	23,900
27	35,200	19,500	19,600	17,900	26,500	41,600	52,500	53,400	44,600	39,100	30,700	23,600
28	35,100	18,900	19,100	17,800	26,100	42,300	52,700	53,000	44,800	39,200	30,400	23,200
29	34,900	18,400	18,500	17,600	---	43,000	53,000	52,600	44,600	39,100	30,000	22,800
30	34,600	18,100	18,400	17,400	---	43,600	53,200	52,400	44,400	39,000	29,500	22,400
31	34,400	---	18,000	17,200	---	44,300	---	52,000	---	39,000	29,000	---
Max	37,500	34,000	21,800	19,800	28,300	44,300	53,200	55,900	51,700	44,100	39,100	28,600
Min	32,900	18,100	15,600	16,700	16,000	23,100	44,900	52,000	44,400	39,000	29,000	22,400
Elevation, in feet, at end of month	3,470.60	3,525.00	3,424.85	3,422.05	3,449.54	3,492.24	3,509.58	3,507.37	3,492.53	3,481.20	3,457.29	3,438.75
Change in contents, in acre-feet	+2,000	-16,300	-100	-800	+8,900	+18,200	+8,900	-1,200	-7,600	-5,400	-10,000	-6,600

	Calendar Year 2006	Water Year 2007
Change in contents, in acre-feet	-23,200	-10,000

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