

11164500 San Francisquito Creek at Stanford University, CA

San Francisquito Creek Basin

LOCATION.--Lat 37°25'24", long 122°11'18" referenced to North American Datum of 1927, Santa Clara County, CA, Hydrologic Unit 18050003, in Rincon de San Francisquito Grant, on right bank, at golf course, 1.1 mi downstream from Los Trancos Creek, 1.1 mi west of Stanford University Post Office, and 5 mi downstream from Searsville Lake.

DRAINAGE AREA.--37.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1930 to September 1941, October 1950 to current year. Monthly discharge only for some periods, published in WSP 1315-B. PRECIPITATION: Water years 1987-95. Monthly totals for station 372724122101201.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 115.75 ft above NGVD of 1929.

REMARKS.--Record is rated fair except flows below 0.25 ft/s, which are rated poor. Flow slightly regulated by Searsville Lake, capacity, 952 acre-ft. Diversions upstream from station to Los Trancos and Lagunita Canals for irrigation on Stanford University Campus downstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,200 ft³/s, Feb. 3, 1998, maximum gage height, 13.60 ft, Dec. 22, 1955; no flow at times.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 17	0000	*1,530	*5.48
Apr 13	0715	951	4.49

11164500 San Francisquito Creek at Stanford University, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.54	0.42	0.84	0.85	1.6	9.9	75	6.5	2.2	0.89	0.35	0.10
2	0.50	0.41	0.81	0.81	1.5	12	39	5.8	2.2	1.1	0.36	0.10
3	0.67	0.41	0.86	0.81	1.4	5.9	27	6.4	2.1	0.88	0.26	0.10
4	0.67	0.70	1.1	0.81	1.4	5.3	19	5.6	2.2	0.80	0.23	0.10
5	11	0.88	0.93	0.81	1.4	4.0	15	6.1	2.4	0.74	0.32	0.10
6	2.0	3.0	0.96	0.81	1.3	3.2	15	5.8	2.1	0.74	0.33	0.17
7	1.3	1.1	0.91	0.81	1.3	2.8	14	5.0	1.9	0.73	0.28	0.26
8	0.84	0.78	0.89	0.77	1.2	2.4	12	4.1	1.9	0.67	0.25	0.19
9	0.72	0.69	0.92	0.74	1.0	2.0	8.9	3.5	1.8	0.69	0.22	0.17
10	0.67	0.67	1.0	0.70	1.3	1.8	8.8	3.6	1.5	0.65	0.22	0.15
11	0.69	0.99	1.0	0.67	1.4	1.7	19	3.2	1.4	0.60	0.22	0.14
12	0.68	2.3	0.95	0.67	1.4	1.6	34	3.1	1.3	0.53	0.22	0.10
13	0.67	1.1	0.89	0.67	5.5	16	453	2.9	1.3	0.53	0.17	0.10
14	0.60	0.83	0.89	0.67	7.3	291	94	3.1	1.3	0.47	0.15	0.07
15	0.54	0.78	0.89	0.64	5.0	290	47	3.5	1.3	0.47	0.12	0.10
16	0.53	0.74	0.94	0.60	3.4	296	34	3.4	1.3	0.47	0.11	1.3
17	0.53	0.74	0.91	0.60	2.7	434	23	3.3	1.2	0.47	0.12	0.51
18	0.50	0.67	0.85	0.63	2.3	77	18	3.2	1.2	0.46	0.13	0.31
19	0.47	1.0	0.81	0.64	2.0	34	15	3.1	1.2	0.47	0.11	0.23
20	0.51	6.0	0.81	7.5	1.8	18	14	3.0	1.2	0.50	0.10	0.19
21	0.50	2.3	0.81	113	1.8	13	12	2.9	1.1	0.42	0.10	0.14
22	0.50	1.4	0.78	14	1.7	12	7.5	2.9	1.1	0.41	0.10	0.12
23	0.47	1.1	0.74	66	1.6	7.0	5.3	2.8	1.1	0.37	0.10	0.12
24	0.47	0.98	0.74	16	1.5	10	5.2	2.5	1.1	0.31	0.10	0.12
25	0.47	0.98	0.74	6.7	1.4	102	5.3	2.4	1.1	0.30	0.10	0.13
26	0.47	0.98	0.82	4.4	1.4	37	5.9	2.4	1.0	0.34	0.10	0.15
27	0.47	0.98	0.93	3.4	1.4	61	5.3	2.4	0.99	0.34	0.12	0.14
28	0.46	0.98	0.96	2.5	1.4	213	4.7	2.4	0.96	0.34	0.12	0.17
29	0.41	1.1	0.85	2.2	9.4	61	4.8	2.8	0.89	0.41	0.11	0.14
30	0.45	1.0	0.81	2.0	---	38	5.9	2.5	0.89	0.54	0.10	0.12
31	0.44	---	0.83	1.8	---	65	---	2.4	---	0.48	0.10	---
Total	29.74	36.01	27.17	253.21	67.8	2,127.6	1,046.6	112.6	43.23	17.12	5.42	5.84
Mean	0.96	1.20	0.88	8.17	2.34	68.6	34.9	3.63	1.44	0.55	0.17	0.19
Max	11	6.0	1.1	113	9.4	434	453	6.5	2.4	1.1	0.36	1.3
Min	0.41	0.41	0.74	0.60	1.0	1.6	4.7	2.4	0.89	0.30	0.10	0.07
Ac-ft	59	71	54	502	134	4,220	2,080	223	86	34	11	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.99	5.30	26.2	59.2	75.9	55.1	26.1	4.15	1.33	0.53	0.29	0.31
Max	28.2	92.0	220	301	549	315	232	39.5	11.4	4.20	1.61	2.11
(WY)	(1963)	(1951)	(1956)	(1997)	(1998)	(1983)	(1958)	(1983)	(1998)	(1998)	(1983)	(1973)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)

11164500 San Francisquito Creek at Stanford University, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1931 - 2012	
Annual total	9,046.85		3,772.34			
Annual mean	24.8		10.3		21.0	
Highest annual mean					83.4	1983
Lowest annual mean					0.00	1931
Highest daily mean	1,050	Mar 24	453	Apr 13	2,650	Dec 23, 1955
Lowest daily mean	0.36	Sep 13	0.07	Sep 14	0.00	Oct 1, 1930
Annual seven-day minimum	0.40	Sep 8	0.10	Aug 20	0.00	Oct 1, 1930
Maximum peak flow			1,530	Mar 17	7,200	Feb 3, 1998
Maximum peak stage			5.48	Mar 17	13.60	Dec 22, 1955
Annual runoff (ac-ft)	17,940		7,480		15,220	
10 percent exceeds	37		13		36	
50 percent exceeds	2.1		0.98		0.59	
90 percent exceeds	0.49		0.15		0.00	

