Water-Data Report 2012

11152600 Gabilan Creek near Salinas, CA

Tembladero Slough Basin

LOCATION.--Lat 36°45′21″, long 121°36′34″ referenced to North American Datum of 1927, Monterey County, CA, Hydrologic Unit 18060011, in La Natividad Grant, on left bank, at downstream side of county road bridge, 0.3 mi downstream from small left bank tributary, and 6.2 mi northeast of Salinas.

DRAINAGE AREA.--36.7 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1970 to current year. January 1959 to September 1970 in reports of Monterey County Water Resources Agency.

REVISED RECORDS.--WDR CA-84-2: 1974 (instantaneous maximum discharge), 1978 (peaks above base), 1980-83 (peaks above base).

GAGE.--Water-stage recorder and crest-stage gage. Concrete control since Oct. 9, 1975. Elevation of gage is 200 ft above NGVD of 1929, from topographic map. Prior to Oct. 9, 1975, on right bank at same datum.

REMARKS.--Records fair. Natural flow of stream affected by small diversions, storage reservoirs, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft^3/s, Feb. 3, 1998, gage height, 5.17 ft, from rating curve extended above 260 ft^3/s, maximum gage height, 11.13 ft, Apr. 1, 1974, at datum then in use; no flow for many days most years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 21	0145	*44	*2.72

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 11152600, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/11152600.2012.pdf

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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	0.41	0.66	0.65	0.58	0.55	0.74	1.3	0.21	0.00	0.00	0.00	0.00
2	0.25	0.56	1.1	0.59	0.54	0.64	0.40	0.15	0.00	0.00	0.00	0.00
3	0.21	0.52	0.75	0.60	0.51	0.51	0.36	0.04	0.00	0.00	0.00	0.00
4	0.64	0.59	0.43	0.58	0.48	0.45	0.55	0.37	0.00	0.00	0.00	0.00
5	4.1	0.80	0.54	0.57	0.45	0.46	0.53	0.31	0.00	0.00	0.00	0.00
6	1.6	1.9	0.70	0.66	0.42	0.38	0.54	0.03	0.00	0.00	0.00	0.00
7	1.2	1.1	0.70	0.64	0.35	0.20	0.48	0.01	0.00	0.00	0.00	0.00
8	0.97	0.97	0.77	0.28	0.31	0.11	0.44	0.15	0.00	0.00	0.00	0.00
9	0.92	0.92	0.78	0.87	0.26	0.07	0.43	0.19	0.00	0.00	0.00	0.00
10	0.94	0.88	0.77	1.3	0.07	0.13	0.88	0.01	0.00	0.00	0.00	0.00
11	1.0	0.99	0.71	0.32	0.08	0.20	1.7	0.01	0.00	0.00	0.00	0.00
12	0.87	1.0	0.40	0.22	0.06	0.38	2.4	0.00	0.00	0.00	0.00	0.00
13	0.69	0.90	0.49	0.24	0.86	0.31	9.4	0.01	0.00	0.00	0.00	0.00
14	0.57	0.87	0.39	0.43	0.61	0.35	1.9	0.02	0.00	0.00	0.00	0.00
15	0.62	0.87	0.69	0.46	0.74	0.32	1.2	0.00	0.00	0.00	0.00	0.00
16	0.30	0.87	0.75	0.49	0.52	2.1	1.0	0.00	0.00	0.00	0.00	0.00
17	0.66	0.91	0.75	0.52	0.51	12	0.87	0.00	0.00	0.00	0.00	0.00
18	0.80	0.91	0.75	0.51	0.44	2.1	0.79	0.00	0.00	0.00	0.00	0.00
19	0.90	0.81	0.75	0.28	0.17	1.1	0.69	0.00	0.00	0.00	0.00	0.00
20	0.90	2.5	0.79	2.0	0.19	0.83	0.57	0.03	0.00	0.00	0.00	0.00
21	0.94	1.2	0.73	11	0.09	0.68	0.41	0.06	0.00	0.00	0.00	0.00
22	0.84	0.59	0.71	1.7	0.01	0.58	0.28	0.00	0.00	0.00	0.00	0.00
23	0.58	0.71	1.0	6.9	0.30	0.63	0.34	0.00	0.00	0.00	0.00	0.00
24	0.37	1.0	0.74	1.7	0.34	0.54	0.26	0.00	0.00	0.00	0.00	0.00
25	0.41	0.97	0.73	1.2	0.33	2.7	0.24	0.00	0.00	0.00	0.00	0.00
26	0.31	0.92	1.1	0.96	0.36	0.70	0.64	0.00	0.00	0.00	0.00	0.00
27	0.39	0.87	0.73	0.81	0.39	0.48	0.31	0.00	0.00	0.00	0.00	0.00
28	0.63	1.2	0.78	0.72	0.40	0.54	0.35	0.00	0.00	0.00	0.00	0.00
29	0.62	1.2	0.67	0.67	1.6	0.30	0.30	0.00	0.00	0.00	0.00	0.00
30	0.62	0.78	0.43	0.65	---	0.40	0.31	0.00	0.00	0.00	0.00	0.00
31	0.66	---	0.63	0.61	---	2.2	---	0.00	---	0.00	0.00	---
Total	24.92	28.97	21.91	39.06	11.94	33.13	29.87	1.60	0.00	0.00	0.00	0.00
Mean	0.80	0.97	0.71	1.26	0.41	1.07	1.00	0.05	0.00	0.00	0.00	0.00
Max	4.1	2.5	1.1	11	1.6	12	9.4	0.37	0.00	0.00	0.00	0.00
Min	0.21	0.52	0.39	0.22	0.01	0.07	0.24	0.00	0.00	0.00	0.00	0.00
Ac-ft	49	57	43	77	24	66	59	3.2	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.08	0.49	3.11	8.71	16.9	14.0	8.52	2.30	1.07	0.46	0.20	0.08
Max	0.80	6.20	55.0	99.5	239	124	58.7	25.2	14.8	8.24	2.85	0.74
(WY)	(2012)	(1983)	(1997)	(1997)	(1998)	(1983)	(1974)	(1998)	(1998)	(1998)	(1983)	(2005)
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)	(1971)	(1971)	(1972)	(1972)	(1972)	(1972)	(1972)	(1971)	(1971)	(1971)	(1971)	(1971)

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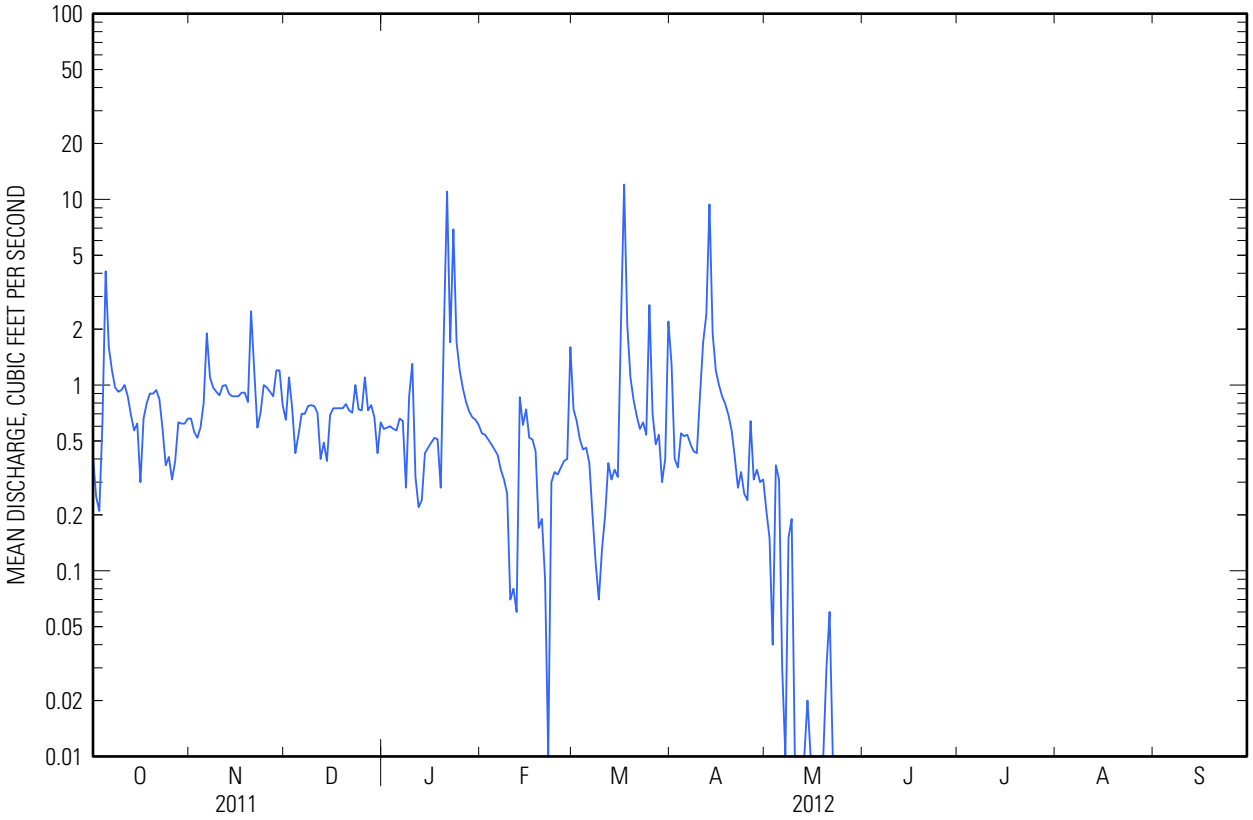
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1971 - 2012	
Annual total	1,738.78		191.40			
Annual mean	4.76		0.52		4.59	
Highest annual mean					35.4	1998
Lowest annual mean					0.00	1972
Highest daily mean	127	Mar 26	12	Mar 17	646	Feb 3, 1998
Lowest daily mean	0.21	Oct 3	0.00	May 12	0.00	Oct 1, 1970
Annual seven-day minimum	0.38	Sep 27	0.00	May 22	0.00	Oct 1, 1970
Maximum peak flow			44	Jan 21	1,030	Feb 3, 1998
Maximum peak stage			2.72	Jan 21	11.13	Apr 1, 1974
Annual runoff (ac-ft)	3,450		380		3,320	
10 percent exceeds	10		0.99		8.3	
50 percent exceeds	1.2		0.31		0.00	
90 percent exceeds	0.49		0.00		0.00