



Water-Data Report 2011

11152650 Reclamation Ditch near Salinas, CA

Tembladero Slough Basin

LOCATION.--Lat 36°42'18", long 121°42'14" referenced to North American Datum of 1927, Monterey County, CA, Hydrologic Unit 18060011, Mt. Diablo meridian, in Rincon Del Zanjon Grant, on right bank, at upstream side of San Jon road bridge, and 3.4 mi northwest of Salinas.

DRAINAGE AREA.--53.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1970 to February 1986, June 2002 to current year. March 1968 to September 1970 in reports of Monterey County Flood Control and Water Conservation District.

GAGE.--Water-stage recorder and crest-stage gage, concrete control. Elevation of gage is 16 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Flows affected by return flow from irrigated agricultural fields and runoff from urbanized areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 524 ft³/s, Mar. 1, 1983; no flow Dec. 4, 10, 11, 1978. Prior to February 1986, only maximum daily flows were computed and published.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 20	0445	144	3.11
Dec 29	0315	235	3.63
Jan 2	1230	210	3.51
Feb 17	1715	216	3.66
Mar 21	0530	*287	*3.98

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.9	1.1	2.4	31	4.2	9.9	34	4.5	3.3	4.7	3.7	2.0
2	2.4	1.1	2.7	200	2.2	8.1	27	3.1	4.3	5.6	2.7	2.3
3	1.9	1.3	1.6	154	2.6	4.2	22	3.4	3.9	4.6	2.2	2.1
4	1.4	1.1	1.4	75	2.5	3.6	18	3.2	7.1	4.2	2.9	3.3
5	1.4	1.00	6.8	22	2.2	3.6	16	3.8	4.5	4.1	3.1	1.9
6	1.9	1.1	6.2	13	1.7	3.7	13	4.5	3.1	3.8	2.9	2.9
7	2.3	19	2.1	11	1.8	2.3	15	4.4	3.3	3.9	3.4	2.1
8	1.9	15	1.4	9.4	2.2	3.0	13	3.7	3.7	3.5	2.9	2.1
9	1.9	3.0	1.7	3.6	2.3	3.5	12	2.9	3.9	4.0	3.3	1.9
10	1.6	1.9	2.2	3.6	2.6	2.8	10	3.5	4.4	3.6	3.4	2.2
11	1.4	1.3	1.2	1.7	2.7	2.5	8.8	3.9	4.6	2.9	3.1	2.8
12	1.9	0.94	0.74	2.4	1.9	2.1	8.9	3.8	4.0	2.9	3.2	3.2
13	2.9	1.2	0.55	1.9	1.2	2.3	6.6	4.2	3.8	3.7	3.0	2.5
14	2.0	1.6	1.9	2.1	1.6	1.6	6.0	4.5	3.9	4.0	3.2	3.1
15	1.8	1.9	5.1	1.4	1.5	2.6	5.8	26	4.0	4.2	3.0	2.5
16	2.0	1.4	1.8	1.2	85	3.6	6.9	5.2	3.7	3.7	2.4	2.5
17	5.7	1.5	12	1.2	108	2.4	6.2	12	4.8	3.3	2.9	2.0
18	5.4	1.6	28	1.9	174	33	4.0	14	4.2	3.6	2.9	2.3
19	2.4	2.3	63	1.3	140	79	4.8	4.7	4.2	3.4	3.6	3.1
20	2.0	59	59	2.0	99	230	4.0	3.5	3.8	3.5	3.5	3.1
21	1.7	83	25	1.2	43	256	4.1	3.5	4.5	3.0	2.3	2.7
22	2.5	16	20	1.1	15	161	5.0	3.7	4.9	2.8	3.1	1.7
23	4.4	37	4.3	1.6	10	162	5.7	3.4	4.3	4.5	2.5	1.8
24	14	22	2.0	0.95	6.3	173	4.7	3.5	4.7	4.0	2.1	2.1
25	7.5	5.3	32	1.7	84	229	3.0	3.7	5.1	3.4	2.2	1.8
26	2.5	1.7	61	1.2	74	256	4.0	3.9	4.6	3.4	2.7	1.4
27	2.3	41	11	1.0	29	257	4.1	3.4	4.8	3.6	3.7	1.4
28	2.1	31	14	1.0	13	190	3.6	3.4	6.9	3.3	3.7	1.6
29	1.2	5.4	211	1.3	---	126	3.7	7.8	10	3.6	2.3	1.6
30	3.0	2.4	117	46	---	82	3.9	3.4	5.5	2.9	2.0	2.4
31	1.1	---	40	13	---	53	---	3.0	---	3.5	2.2	---
Total	89.4	363.14	739.09	609.75	913.5	2,348.8	283.8	161.5	137.8	115.2	90.1	68.4
Mean	2.88	12.1	23.8	19.7	32.6	75.8	9.46	5.21	4.59	3.72	2.91	2.28
Max	14	83	211	200	174	257	34	26	10	5.6	3.7	3.3
Min	1.1	0.94	0.55	0.95	1.2	1.6	3.0	2.9	3.1	2.8	2.0	1.4
Ac-ft	177	720	1,470	1,210	1,810	4,660	563	320	273	228	179	136

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.26	11.8	17.5	28.5	33.5	37.3	22.5	8.25	6.22	5.90	6.15	5.34
Max	14.9	36.8	63.8	100	214	337	118	39.6	16.9	17.0	20.4	13.4
(WY) (2005)	(1984)	(1983)	(1983)	(1983)	(1983)	(1983)	(1974)	(1983)	(1983)	(1975)	(1973)	(1973)
Min	0.82	0.88	3.09	2.50	1.84	1.70	3.23	2.46	1.14	1.28	0.93	1.54
(WY)	(2004)	(2010)	(1976)	(1976)	(1977)	(1972)	(2004)	(2008)	(2002)	(2002)	(2003)	(2003)

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SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1971 - 2011
Annual total	5,934.55	5,920.48	
Annual mean	16.3	16.2	15.9
Highest annual mean			75.4
Lowest annual mean			4.81
Highest daily mean	270 Mar 4	257 Mar 27	524 Mar 1, 1983
Lowest daily mean	0.45 Jan 4	0.55 Dec 13	0.00 Dec 4, 1978
Annual seven-day minimum	0.90 Jan 1	1.1 Oct 31	0.15 Dec 6, 1978
Maximum peak flow		287 Mar 21	a524 Mar 1, 1983
Maximum peak stage		3.98 Mar 21	3.98 Mar 21, 2011
Annual runoff (ac-ft)	11,770	11,740	11,490
10 percent exceeds	45	33	31
50 percent exceeds	3.7	3.5	5.2
90 percent exceeds	1.4	1.6	1.5

^a Daily mean.

