Water-Data Report 2012

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 mi^2.

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 ft^3/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 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 5	0630	262	3.75
Nov 6	0115	173	3.21
Jan 21	0245	205	3.48
Mar 17	0130	*265	*3.76
Apr 13	0830	208	3.50

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 11152650, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/11152650.2012.pdf

11152650 Reclamation Ditch near Salinas, CA—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.2	2.8	2.6	0.49	0.53	7.7	23	1.9	2.4	2.0	3.5	1.7
2	1.8	1.4	1.0	0.38	0.66	2.6	4.1	2.6	3.7	2.0	3.4	1.8
3	1.6	1.9	3.0	0.39	0.73	2.2	2.6	2.4	2.1	2.2	4.1	2.7
4	15	21	0.77	0.87	1.0	1.3	2.7	5.7	12	2.1	3.5	3.9
5	110	3.9	0.69	1.3	0.77	1.6	2.6	3.0	6.6	1.9	4.2	1.3
6	37	60	2.0	1.4	0.84	2.1	2.4	2.8	2.8	2.0	4.9	1.0
7	15	8.4	1.6	1.1	0.43	2.0	2.9	1.9	1.9	2.7	3.4	1.0
8	7.7	5.5	2.7	1.1	0.46	1.5	2.3	1.6	2.4	2.5	3.4	1.3
9	5.7	5.3	1.2	0.60	0.69	1.5	1.8	1.9	3.5	1.9	4.1	0.90
10	4.8	3.0	1.4	0.70	1.4	2.3	20	1.9	3.0	1.9	3.6	1.00
11	5.5	9.4	0.62	0.80	2.9	1.6	43	1.7	2.1	2.1	4.3	1.3
12	2.5	8.3	0.56	0.74	1.7	2.8	61	2.6	2.0	2.2	4.8	1.3
13	4.5	2.7	2.5	0.93	24	2.8	140	2.3	2.9	2.6	5.0	1.1
14	2.5	1.7	1.5	1.1	12	1.6	80	1.7	4.1	2.4	5.0	1.5
15	1.5	1.6	1.5	1.2	7.4	1.2	53	1.6	3.1	2.5	5.2	1.2
16	1.5	2.1	1.4	0.67	2.4	11	18	1.7	3.0	2.1	5.6	1.1
17	1.4	1.8	1.3	1.6	2.0	191	9.8	1.5	4.3	2.1	5.7	1.0
18	1.7	4.9	0.50	2.3	1.6	117	3.7	2.5	3.0	1.6	4.7	1.1
19	1.5	3.6	0.81	0.94	0.97	47	3.5	2.6	2.4	1.6	3.0	1.1
20	1.4	51	1.2	1.8	1.4	13	3.4	2.0	2.1	2.2	2.5	1.5
21	1.4	11	1.2	131	1.0	9.2	2.7	1.5	2.8	2.6	2.6	1.5
22	1.2	3.4	0.81	38	1.0	6.0	2.8	1.5	2.5	2.3	2.9	1.7
23	1.2	4.7	0.63	61	1.2	5.1	2.4	1.7	2.9	1.9	2.9	1.1
24	1.5	2.8	0.52	39	1.0	4.1	1.8	2.3	3.1	1.8	3.3	1.4
25	1.8	2.4	0.44	17	1.5	59	2.8	2.7	2.4	2.3	3.4	1.5
26	1.6	1.2	0.66	4.9	1.6	17	10	3.0	2.5	1.8	3.0	1.5
27	1.7	0.76	0.84	3.2	2.0	5.2	2.6	3.9	2.6	3.6	2.4	1.1
28	1.5	1.3	1.1	1.1	1.5	3.5	2.1	3.4	1.8	e3.7	2.7	1.3
29	1.3	1.9	1.1	0.91	23	2.1	3.2	2.8	1.7	3.5	2.4	2.0
30	1.2	1.2	1.2	1.0	---	1.8	1.9	2.5	2.1	3.4	1.1	1.2
31	2.3	---	1.2	0.88	---	27	---	2.5	---	3.0	1.2	---
Total	241.5	230.96	38.55	318.40	97.68	553.8	512.1	73.7	93.8	72.5	111.8	43.10
Mean	7.79	7.70	1.24	10.3	3.37	17.9	17.1	2.38	3.13	2.34	3.61	1.44
Max	110	60	3.0	131	24	191	140	5.7	12	3.7	5.7	3.9
Min	1.2	0.76	0.44	0.38	0.43	1.2	1.8	1.5	1.7	1.6	1.1	0.90
Ac-ft	479	458	76	632	194	1,100	1,020	146	186	144	222	85

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	6.32	11.6	16.9	27.8	32.3	36.6	22.2	8.02	6.10	5.76	6.06	5.19
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)	(1974)	(1983)	(1983)	(1975)	(1973)	(1973)
Min	0.82	0.88	1.24	2.50	1.84	1.70	3.23	2.38	1.14	1.28	0.93	1.44
(WY)	(2004)	(2010)	(2012)	(1976)	(1977)	(1972)	(2004)	(2012)	(2002)	(2002)	(2003)	(2012)

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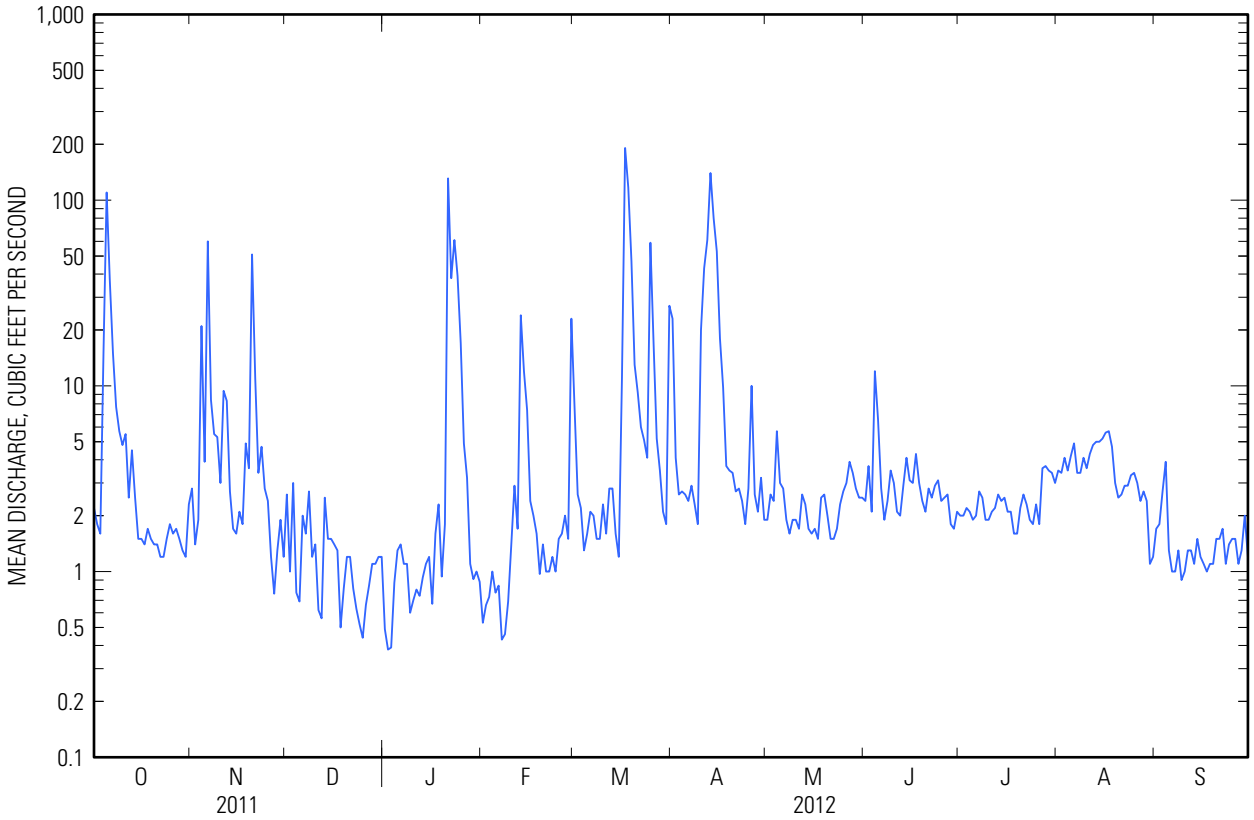
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1971 - 2012	
Annual total	5,239.86		2,387.89			
Annual mean	14.4		6.52		15.5	
Highest annual mean					75.4	1983
Lowest annual mean					4.81	1972
Highest daily mean	257	Mar 27	191	Mar 17	524	Mar 1, 1983
Lowest daily mean	0.44	Dec 25	0.38	Jan 2	0.00	Dec 4, 1978
Annual seven-day minimum	0.71	Dec 22	0.70	Feb 2	0.15	Dec 6, 1978
Maximum peak flow			265	Mar 17	[a]524	Mar 1, 1983
Maximum peak stage			3.76	Mar 17	3.98	Mar 21, 2011
Annual runoff (ac-ft)	10,390		4,740		11,220	
10 percent exceeds	22		9.3		30	
50 percent exceeds	3.4		2.1		5.0	
90 percent exceeds	1.3		0.99		1.5	

[a] Daily mean.