



Water-Data Report 2011

**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<sup>2</sup>.

**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 except for estimated daily discharges, which are poor. 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<sup>3</sup>/s, Feb. 3, 1998, gage height, 5.17 ft, from rating curve extended above 260 ft<sup>3</sup>/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<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 29	0330	84	2.99
Jan 1	2330	64	2.87
Feb 25	1345	64	2.82
Mar 26	1545	*291	*3.79

## 11152600 Gabilan Creek near Salinas, CA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.28	0.38	0.86	11	1.8	10	22	4.9	2.1	1.1	0.85	0.59
<b>2</b>	0.33	0.33	0.82	28	1.6	9.3	20	4.5	2.0	0.74	0.98	0.87
<b>3</b>	0.38	0.29	0.80	10	1.5	8.1	18	3.8	2.1	0.32	0.59	0.94
<b>4</b>	0.45	0.29	0.76	6.5	1.6	7.7	16	3.6	2.3	0.86	1.0	0.43
<b>5</b>	0.50	0.31	1.7	5.0	1.5	7.2	15	4.0	1.9	1.00	0.38	0.31
<b>6</b>	0.47	0.41	0.94	4.2	1.4	7.3	14	4.0	1.7	0.94	0.91	0.62
<b>7</b>	0.41	0.73	0.75	3.6	1.4	8.0	13	3.8	0.44	0.69	1.1	0.61
<b>8</b>	0.38	0.65	0.75	3.1	1.4	7.3	12	3.1	1.5	0.45	1.1	0.71
<b>9</b>	0.36	0.50	0.76	2.8	1.3	6.6	12	3.8	1.7	0.71	1.1	0.83
<b>10</b>	0.34	0.50	0.76	2.5	1.4	6.2	11	3.7	1.7	0.30	1.0	0.83
<b>11</b>	0.33	0.55	0.73	2.4	1.3	5.9	10	3.7	1.9	1.0	0.41	0.35
<b>12</b>	0.19	0.46	0.68	2.1	1.3	5.7	9.9	3.2	1.8	1.2	0.47	0.32
<b>13</b>	0.19	0.43	0.68	2.1	1.3	5.6	8.8	2.2	1.2	1.3	1.0	0.67
<b>14</b>	0.23	0.40	0.73	1.8	1.5	5.6	7.8	3.0	0.99	1.4	0.94	0.82
<b>15</b>	0.17	0.38	1.2	1.0	1.5	5.4	7.8	3.8	0.39	1.4	0.90	1.0
<b>16</b>	0.19	0.38	1.2	0.92	7.2	5.3	e8.0	3.4	1.4	1.2	0.93	1.0
<b>17</b>	0.37	0.43	2.8	1.1	17	6.0	e7.7	3.7	1.5	1.2	0.94	0.80
<b>18</b>	0.50	0.53	4.2	1.5	28	10	e7.2	4.2	1.5	1.1	0.99	0.53
<b>19</b>	0.42	0.49	6.7	1.5	24	13	6.3	3.5	1.4	0.34	1.0	0.66
<b>20</b>	0.40	3.9	2.6	1.5	17	51	5.9	3.2	1.1	0.94	0.42	0.39
<b>21</b>	0.40	5.9	1.3	1.5	11	51	6.5	2.8	0.42	0.76	0.49	0.40
<b>22</b>	0.40	3.4	2.3	1.5	9.2	21	6.4	2.2	1.1	0.83	0.93	0.38
<b>23</b>	0.46	3.7	1.1	0.67	8.5	37	6.2	3.1	1.2	1.2	0.98	0.28
<b>24</b>	0.67	1.2	1.0	1.0	7.5	55	6.0	2.7	1.2	1.2	0.87	0.57
<b>25</b>	0.67	0.85	6.5	1.3	41	92	6.0	2.7	0.99	1.4	0.74	0.70
<b>26</b>	0.47	0.59	2.1	1.3	24	127	5.7	2.7	0.91	0.83	0.43	0.65
<b>27</b>	0.44	3.5	1.3	1.2	14	89	5.3	2.5	0.26	0.83	0.51	0.62
<b>28</b>	0.39	1.2	5.2	1.3	11	53	4.8	2.5	1.3	0.90	0.83	0.55
<b>29</b>	0.38	0.94	32	1.3	---	38	5.2	1.7	1.9	0.91	0.90	0.29
<b>30</b>	0.42	0.89	8.2	3.1	---	31	5.1	1.0	1.3	1.2	0.99	0.35
<b>31</b>	0.41	---	5.0	2.0	---	25	---	2.0	---	0.99	1.0	---
<b>Total</b>	12.00	34.51	96.42	108.79	241.2	810.2	289.6	99.0	41.20	29.24	25.68	18.07
<b>Mean</b>	0.39	1.15	3.11	3.51	8.61	26.1	9.65	3.19	1.37	0.94	0.83	0.60
<b>Max</b>	0.67	5.9	32	28	41	127	22	4.9	2.3	1.4	1.1	1.0
<b>Min</b>	0.17	0.29	0.68	0.67	1.3	5.3	4.8	1.0	0.26	0.30	0.38	0.28
<b>Ac-ft</b>	24	68	191	216	478	1,610	574	196	82	58	51	36

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

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	0.06	0.48	3.17	8.89	17.3	14.3	8.70	2.35	1.10	0.47	0.21	0.09
<b>Max</b>	0.50	6.20	55.0	99.5	239	124	58.7	25.2	14.8	8.24	2.85	0.74
(WY)	(1984)	(1983)	(1997)	(1997)	(1998)	(1983)	(1974)	(1998)	(1998)	(1998)	(1983)	(2005)
<b>Min</b>	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)

**11152600 Gabilan Creek near Salinas, CA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1971 - 2011</b>	
<b>Annual total</b>	1,056.93	1,805.91		
<b>Annual mean</b>	2.90	4.95	4.69	
<b>Highest annual mean</b>			35.4	1998
<b>Lowest annual mean</b>			0.00	1972
<b>Highest daily mean</b>	76 Mar 3	127 Mar 26	646 Feb 3, 1998	
<b>Lowest daily mean</b>	0.00 Jan 1	0.17 Oct 15	0.00 Oct 1, 1970	
<b>Annual seven-day minimum</b>	0.00 Jan 1	0.23 Oct 10	0.00 Oct 1, 1970	
<b>Maximum peak flow</b>		291 Mar 26	1,030 Feb 3, 1998	
<b>Maximum peak stage</b>		3.79 Mar 26	11.13 Apr 1, 1974	
<b>Annual runoff (ac-ft)</b>	2,100	3,580	3,400	
<b>10 percent exceeds</b>	6.1	10	8.6	
<b>50 percent exceeds</b>	0.89	1.3	0.00	
<b>90 percent exceeds</b>	0.28	0.40	0.00	

