



Water-Data Report 2009

**11134800 Miquelito Creek at Lompoc, CA**

Santa Ynez River Basin

LOCATION.--Lat 34°37'54", long 120°27'50" referenced to North American Datum of 1927, Santa Barbara County, CA, Hydrologic Unit 18060010, in Lompoc Grant, on left bank, 120 ft upstream from drop structure to debris basin, and 1,900 ft south of Lompoc Union High School.

DRAINAGE AREA.--11.6 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1970 to May 1986, October 1987 to September 2009 (discontinued).

CHEMICAL DATA: Water years 1980-86, 1988-97.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 97.94 ft above NGVD of 1929, Santa Barbara County Flood Control District datum.

Prior to May 6, 1986, on right bank at site 350 ft downstream at different datum.

REMARKS.--Records fair except for discharges less than 0.08 ft<sup>3</sup>/s, which are poor. No regulation or diversion upstream from station; some pumping from wells along stream for irrigation. See schematic diagram of Santa Ynez River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,660 ft<sup>3</sup>/s, Feb. 3, 1998, gage height, 4.61 ft, from theoretical rating curve above 50 ft<sup>3</sup>/s; no flow for many days in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 25, 1969, reached a stage of 5.83 ft, site in use prior to 1986, from floodmark, discharge, 680 ft<sup>3</sup>/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb 16	0430	*8.4	*0.76

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**11134800 Miguelito Creek at Lompoc, CA—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

<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>	0.07	0.08	0.06	0.05	0.03	0.14	0.21	0.21	0.06	0.03	0.03	0.03
<b>2</b>	0.06	0.12	0.05	0.06	0.03	0.17	0.22	0.21	0.05	0.03	0.03	0.02
<b>3</b>	0.08	0.10	0.05	0.06	0.03	0.16	0.21	0.21	0.05	0.03	0.03	0.02
<b>4</b>	0.08	0.08	0.06	0.06	0.03	0.21	0.21	0.21	0.05	0.03	0.03	0.02
<b>5</b>	0.08	0.06	0.06	0.06	0.16	0.14	0.23	0.19	0.08	0.03	0.03	0.02
<b>6</b>	0.07	0.06	0.06	0.05	0.09	0.14	0.24	0.14	0.06	0.03	0.02	0.02
<b>7</b>	0.07	0.06	0.06	0.03	0.04	0.14	0.35	0.14	0.05	0.03	0.01	0.02
<b>8</b>	0.07	0.06	0.08	0.03	0.00	0.14	0.32	0.14	0.05	0.03	0.02	0.02
<b>9</b>	0.08	0.07	0.08	0.03	0.04	0.14	0.37	0.14	0.05	0.03	0.02	0.02
<b>10</b>	0.08	0.07	0.08	0.03	0.00	0.14	0.42	0.13	0.05	0.03	0.03	0.01
<b>11</b>	0.08	0.06	0.08	0.03	0.00	0.14	0.44	0.14	0.04	0.03	0.03	0.02
<b>12</b>	0.07	0.06	0.12	0.03	0.00	0.14	0.55	0.13	0.03	0.03	0.04	0.02
<b>13</b>	0.07	0.06	0.13	0.03	0.03	0.14	0.78	0.12	0.03	0.03	0.04	0.01
<b>14</b>	0.07	0.06	0.26	0.03	0.00	0.14	0.78	0.14	0.04	0.03	0.04	0.02
<b>15</b>	0.06	0.06	0.18	0.03	0.00	0.14	0.78	0.11	0.03	0.03	0.04	0.01
<b>16</b>	0.06	0.05	0.07	0.03	1.7	0.14	0.78	0.09	0.04	0.03	0.04	0.01
<b>17</b>	0.07	0.05	0.06	0.03	0.29	0.14	0.65	0.08	0.03	0.03	0.04	0.01
<b>18</b>	0.08	0.05	0.06	0.03	0.14	0.14	0.59	0.08	0.04	0.02	0.05	0.02
<b>19</b>	0.08	0.05	0.06	0.03	0.14	0.14	0.52	0.08	0.04	0.02	0.04	0.02
<b>20</b>	0.07	0.05	0.06	0.02	0.14	0.14	0.44	0.08	0.04	0.03	0.04	0.02
<b>21</b>	0.08	0.05	0.06	0.02	0.15	0.14	0.51	0.08	0.04	0.03	0.04	0.02
<b>22</b>	0.08	0.05	0.09	0.04	0.18	0.20	0.41	0.07	0.04	0.03	0.05	0.02
<b>23</b>	0.07	0.05	0.06	0.04	0.16	0.14	0.31	0.07	0.04	0.03	0.04	0.02
<b>24</b>	0.06	0.05	0.06	0.03	0.14	0.14	0.27	0.07	0.04	0.03	0.03	0.02
<b>25</b>	0.08	0.17	0.08	0.03	0.14	0.14	0.25	0.07	0.04	0.03	0.03	0.02
<b>26</b>	0.08	0.18	0.05	0.04	0.14	0.14	0.25	0.06	0.03	0.03	0.04	0.02
<b>27</b>	0.08	0.06	0.05	0.03	0.14	0.14	0.25	0.06	0.04	0.03	0.04	0.03
<b>28</b>	0.08	0.05	0.05	0.03	0.14	0.21	0.21	0.06	0.03	0.03	0.03	0.03
<b>29</b>	0.08	0.05	0.05	0.03	---	0.21	0.21	0.05	0.03	0.03	0.03	0.03
<b>30</b>	0.08	0.05	0.05	0.03	---	0.21	0.21	0.05	0.03	0.03	0.03	0.02
<b>31</b>	0.08	---	0.06	0.03	---	0.21	---	0.05	---	0.03	0.03	---
<b>Total</b>	2.30	2.07	2.38	1.10	4.08	4.80	11.97	3.46	1.27	0.91	1.04	0.59
<b>Mean</b>	0.07	0.07	0.08	0.04	0.15	0.15	0.40	0.11	0.04	0.03	0.03	0.02
<b>Max</b>	0.08	0.18	0.26	0.06	1.7	0.21	0.78	0.21	0.08	0.03	0.05	0.03
<b>Min</b>	0.06	0.05	0.05	0.02	0.00	0.14	0.21	0.05	0.03	0.02	0.01	0.01
<b>Ac-ft</b>	4.6	4.1	4.7	2.2	8.1	9.5	24	6.9	2.5	1.8	2.1	1.2

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2009, 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>	0.31	0.62	1.49	3.24	6.18	7.24	1.94	1.20	0.84	0.59	0.42	0.33
<b>Max</b>	1.39	2.77	8.69	37.9	75.6	106	14.2	6.04	5.60	2.64	2.55	2.05
(WY)	(1984)	(1996)	(1993)	(1995)	(1998)	(1995)	(1983)	(1983)	(2000)	(1983)	(2000)	(1983)
<b>Min</b>	0.00	0.00	0.01	0.02	0.05	0.09	0.08	0.05	0.01	0.02	0.01	0.00
(WY)	(1973)	(1978)	(1990)	(1991)	(1972)	(1972)	(1972)	(1972)	(1992)	(1992)	(1972)	(1972)

**11134800 Miguelito Creek at Lompoc, CA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2008</b>	<b>Water Year 2009</b>	<b>Water Years 1971 - 2009</b>	
<b>Annual total</b>	184.95	35.97		
<b>Annual mean</b>	0.51	0.10	2.01	
<b>Highest annual mean</b>			13.8	1995
<b>Lowest annual mean</b>			0.10	2009
<b>Highest daily mean</b>	26	Jan 27	1.7	Feb 16
<b>Lowest daily mean</b>	0.03	Feb 14	0.00	Feb 8
<b>Annual seven-day minimum</b>	0.03	Feb 13	0.01	Feb 8
<b>Maximum peak flow</b>			8.4	Feb 16
<b>Maximum peak stage</b>			0.76	Feb 16
<b>Annual runoff (ac-ft)</b>	367	71	1,170	Mar 11, 1995
<b>10 percent exceeds</b>	0.59	0.21	2,660	Feb 3, 1998
<b>50 percent exceeds</b>	0.17	0.06	4.61	Feb 3, 1998
<b>90 percent exceeds</b>	0.06	0.02	1,460	

