

APPENDIX D
WETS TABLES FOR THE STUDY AREA

Appendix D

WETS TABLES FOR CONTRA COSTA AND SAN JOAQUIN COUNTIES

Available at: <ftp://ftp.wcc.nrcs.usda.gov/support/climate/wetlands/ca/06013.txt> and
<ftp://ftp.wcc.nrcs.usda.gov/support/climate/wetlands/ca/06077.txt>

WETS Station : ANTIOCH PUMP PLANT 3, CA0232 Creation Date: 08/29/2002
Latitude: 3759 Longitude: 12144 Elevation: 00060
State FIPS/County(FIPS): 06013 County Name: Contra Costa
Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have less than	30% chance will have more than	avg # of days w/.1 or more	avg total snow fall
January	53.6	37.6	45.6	2.61	1.05	3.17	5	0.0
February	60.2	41.3	50.7	2.51	1.06	3.06	5	0.0
March	64.9	44.3	54.6	2.21	1.00	2.70	6	0.0
April	71.6	47.2	59.4	0.70	0.31	0.88	2	0.0
May	78.9	51.9	65.4	0.45	0.00	0.50	1	0.0
June	86.0	56.5	71.2	0.09	0.00	0.11	0	0.0
July	90.8	58.1	74.5	0.03	0.00	0.00	0	0.0
August	89.9	57.5	73.7	0.03	0.00	0.00	0	0.0
September	86.0	56.0	71.0	0.24	0.00	0.22	0	0.0
October	77.5	51.1	64.3	0.72	0.15	0.85	1	0.0
November	63.9	43.5	53.7	1.71	0.55	2.10	4	0.0
December	54.6	37.1	45.9	1.84	0.76	2.28	4	0.0
-----	-----	-----	-----	-----	-----	-----	-----	-----
Annual	-----	-----	-----	-----	9.97	14.77	--	----

Average	73.1	48.5	60.8	-----	-----	-----	--	----
Total	-----	-----	-----	13.14	-----	-----	28	0.0

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
Beginning and Ending Dates Growing Season Length			
50 percent *	12/25 to 12/25 > 365 days	1/ 1 to 12/31 365 days	2/ 5 to 12/ 7 306 days
70 percent *	12/25 to 12/25 > 365 days	12/31 to 12/31 > 365 days	1/15 to 12/28 349 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1955-2002 prcp

Station : CA0232, ANTIOCH PUMP PLANT 3

----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
55			0.51	1.32	0.64	0.00	0.00	0.00	0.02	0.08	0.92	7.14	10.63
56	4.67	0.72	0.04	1.92	0.37	0.00	0.01	0.00	0.78	0.47	0.01	0.15	9.14
57	1.67	3.31	1.61	0.82	1.15	0.00	0.00	0.00	0.02	1.31	0.16	2.40	12.45
58	3.21	5.57	4.17	3.97	0.60	0.26	0.00	0.00	0.03	0.07	0.00	0.50	18.38
59	2.96	3.36	0.27	0.40	0.00	0.00	0.00	0.00	1.75	0.00	0.01	1.28	10.03
60	2.51	2.80	1.40	0.97	0.35	0.00	0.03	0.00	0.00	0.02	2.76	0.60	11.44
61	2.33	0.73	1.56	0.66	0.43	0.04	0.00	0.00	0.24	0.04	2.33	1.11	9.47
62	0.59	6.08	0.92	0.02	0.00	0.00	0.00	0.05	0.00	4.85	0.23	1.52	14.26
63	1.83	2.76	2.55	3.50	0.41	0.03	0.00	0.00	0.10	0.54	2.65	0.22	14.59
64	2.80	0.01	1.21	0.14	0.07	0.80	0.00	0.15	0.00	1.34	1.87	2.87	11.26
65	2.10	0.63	1.04	1.83	0.04	0.00	0.03	0.28	0.00	0.05	3.14	2.57	11.71
66	1.56	1.10	0.25	0.40	0.31	0.06	0.20	0.03	0.08	0.00	3.26	2.53	9.78
67	5.25	0.29	3.49	2.61	0.06	0.61	0.00	0.00	0.01	0.12	0.76	0.85	14.05
68	3.40	1.25	1.44	0.38	0.10	0.00	0.00	0.45	0.00	0.13	2.16	2.41	11.72
69	6.31	4.71	1.14	0.68	0.01	0.00	0.00	0.00	0.00	1.25	0.51	2.85	17.46
70	4.71	0.45	1.27	0.40	0.00	0.17	0.00	0.00	0.05	0.33	4.83	3.83	16.04
71	0.61	0.32	1.92	0.69	0.73	0.00	0.00	0.00	0.02	0.03	0.59	2.96	7.87
72	0.60	1.90	0.06	0.44	0.10	0.12	0.00	0.00	0.52	4.17	4.56	1.44	13.91
73		3.97	2.49	0.16	0.00	0.00	0.00	0.00	0.05	1.89	3.33	3.28	15.17
74	1.14	0.45	2.11	1.61	0.00	0.07	0.09	0.00	0.00	0.68	0.25	1.92	8.32
75	0.80	2.84	4.29	0.85	0.00	0.03	0.17	0.06	0.00	1.40	0.07	0.18	10.69
76	0.26	0.93	0.80	0.29	0.00	0.07	0.00	0.74	0.90	0.48	0.44	0.96	5.87
77	0.71	0.79	1.21	0.23	2.03	0.00	0.00	0.00	0.28	0.03	0.91	2.55	8.74
78	6.07	3.19	3.43	1.52	0.00	0.00	0.00	0.00	0.05	0.01	1.89	0.18	16.34
79	4.63	2.68	1.90	0.98	0.00	0.00	0.11	0.00	0.00	M0.00	1.09	3.84	15.23
80	3.26	5.03		0.70	M0.00	0.00	0.46	0.00	0.00	0.00	0.14	1.09	10.68
81	2.88	0.68	2.22	M0.00	0.04	0.00	0.00	0.00	0.04	1.07	4.35	0.01	11.29
82	5.03	1.57	3.82	1.69	0.00	0.00	0.00	0.00	1.22	1.31	4.22	1.96	20.82
83	5.20	3.76	6.26	3.31	0.38	0.00	0.00	0.06	0.63	0.06	3.99	4.10	27.75
84	0.13	1.00	0.86	0.19	0.01	0.00	0.00	0.01	0.04	1.75	3.82	0.85	8.66

85	0.44	0.84	1.90	0.22	0.00	0.22	0.00	0.00	0.16	0.54	2.23	2.02	8.57
86M	1.85	7.30	3.71	0.69	0.18	0.00	0.02	0.00	0.71	0.05	0.00	0.52	15.03
87	1.74	3.04	1.89	0.16	0.06	0.00	0.00	0.00	0.00	0.42	1.31	3.55	12.17
88	2.47	0.49	0.35	0.44	0.67	0.44	0.00	0.00	0.00	0.45	1.32	1.86	8.49
89	0.86	1.00	2.40	M0.24	0.14	0.20	0.00	0.04	1.84	1.33	1.02	0.00	9.07
90	1.22	1.69	0.66	0.34	1.92	0.00	0.00	0.00	0.00	0.09	0.29	1.61	7.82
91	0.18	2.16	4.39	0.17	0.25		0.00	0.04	0.00	1.29	0.11	1.16	9.75
92	0.93	3.95	1.86	0.47	0.00	0.22	0.00	0.00	0.00	0.46	0.12	3.76	11.77
93	6.97	3.76	1.98	0.19	0.50	0.10	0.00	0.00	0.00	0.23	1.86	1.30	16.89
94	0.92	2.65	0.13	0.54	1.06	0.00	0.00	0.00	0.01	0.42	3.50	1.24	10.47
95M	6.70	0.06	5.74	0.27	1.21	0.64	0.00	0.00	0.00	0.00	0.00	5.05	19.67
96	2.77	3.32	1.94	1.16	1.23	0.00	0.00	0.00	0.00	0.89	2.65	3.47	17.43
97	6.01	0.12	0.16	M0.00	0.32	0.31	0.00	M0.01	0.00	0.44	3.35	1.47	12.19
98	4.92	9.03	1.63	1.31	2.09	0.07	0.00	0.00	0.48	0.58	1.57	0.61	22.29
99	1.76	2.41	1.72	0.84	0.00	0.00	0.00	0.00	0.16	0.10		0.55	7.54
0	4.68	4.46		1.25	0.59	0.07		0.00	0.08	1.28	0.62		13.03
1								M0.00	0.00				0.00
2													

WETS Station : MARTINEZ WATER PLANT, CA5378 Creation Date: 08/29/2002
 Latitude: 3801 Longitude: 12207 Elevation: 00040
 State FIPS/County(FIPS): 06013 County Name: Contra Costa
 Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg # of days w/.1 or more	avg total snow fall
					less than	more than		
January	55.0	39.1	47.0	4.25	1.98	5.19	7	0.0
February	61.0	42.0	51.5	3.80	1.55	4.62	6	0.0
March	65.9	44.4	55.1	3.24	1.55	4.02	6	0.0
April	72.4	46.3	59.3	1.04	0.37	1.25	3	0.0
May	78.9	49.8	64.3	0.46	0.03	0.53	1	0.0
June	85.2	53.6	69.4	0.12	0.00	0.11	0	0.0
July	89.0	54.9	71.9	0.02	0.00	0.00	0	0.0
August	88.3	55.0	71.7	0.08	0.00	0.00	0	0.0
September	84.8	53.9	69.4	0.24	0.00	0.27	0	0.0
October	76.8	49.6	63.2	0.94	0.33	1.16	2	0.0
November	63.9	43.6	53.8	2.59	0.80	3.08	5	0.0
December	55.5	38.7	47.1	2.79	1.60	3.44	5	0.0
Annual	-----	-----	-----	-----	15.39	22.56	--	----
Average	73.1	47.6	60.3	-----	-----	-----	--	----
Total	-----	-----	-----	19.57	-----	-----	35	0.0

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
	Beginning and Ending Dates Growing Season Length		
50 percent *	----- > 365 days	> 365 days > 365 days	1/27 to 12/13 322 days
70 percent *	----- > 365 days	> 365 days > 365 days	1/17 to 12/23 342 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1970-2002 prcp

Station : CA5378, MARTINEZ WATER PLANT

----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
70		1.43	1.41	0.20	0.00	0.07	0.00	0.00	0.00	0.45	5.82	6.37	15.75
71	1.96	0.16	2.62	0.81	0.27	0.00	0.00	0.00	0.08	0.01	0.88	3.84	10.63
72	1.00	1.66	0.32	0.79	0.00	0.14	0.00	0.00	0.43	2.99	5.16	2.21	14.70
73	9.31	5.11	1.76	0.14	0.00	0.00	0.00	0.00	0.21	1.58	5.73	4.05	27.89
74	2.39	1.09	5.02	1.80	0.00	0.00	0.28	0.00	0.00	0.89	0.64	2.06	14.17
75	1.40	4.89	5.90	1.71	0.00	0.02	0.16	0.03	0.00	1.57	0.18	0.52	16.38
76	0.35	2.02	0.92	0.46	0.00	0.00	0.00	0.58	0.76	0.48	0.70	1.53	7.80
77	1.57	1.20	1.63	0.05	0.61	0.00	0.00	0.00	0.64	0.08	2.72	4.63	13.13
78	8.03	3.72	5.73	2.67	0.08	0.00	0.00	0.00	0.13	0.00	1.14	0.68	22.18
79	5.90	4.50	3.62	1.16	0.46	0.00	0.00	0.00	0.00	1.20	2.58	4.86	24.28
80	5.18	7.51	2.55	1.23	0.17	0.02	0.18	0.00	0.00	0.20	0.06	1.94	19.04
81	4.97	1.00	3.45	0.20	0.11	0.00	0.00	0.00	0.18	2.05	6.42	3.77	22.15
82	8.51	2.33	5.55	4.10	0.00	0.03	0.00	0.02	1.00	2.19	5.51	3.00	32.24
83	6.40	6.09	9.10	2.72	0.25	0.00	0.00	0.71	0.95	0.62	6.65	5.60	39.09
84	0.33	1.74	1.18	0.64	0.01	0.05	0.00	0.11	0.15	1.63	6.01	1.37	13.22
85	0.76	2.10	3.68	0.04	0.03	0.08	0.02	0.00	0.28	0.90	3.67	2.67	14.23
86	3.83	11.70	5.66	0.78	0.38	0.00	0.04	0.00	0.75	0.03	0.11	1.56	24.84
87	2.46	3.33	2.11	0.06	0.04	0.00	0.00	0.00	0.00	1.46	1.29	3.91	14.66
88	4.62	0.37	0.00	2.65	0.40	0.44	0.00	0.00	0.00	0.32	2.54	3.06	14.40
89	1.18	1.23	4.97	0.41	0.05	0.11	0.00	0.11	1.23	1.56	1.80	0.00	12.65
90	3.18	3.36	1.35	0.30	1.81	0.00	0.00	0.00	0.15	0.18	0.34	1.35	12.02
91	0.41	3.16	6.82	0.36	0.12	0.35	0.00	0.05	0.02	2.00	0.65	2.01	15.95
92	1.69	6.39	2.83	0.18	0.00	0.22	0.00	0.00	0.00	1.12	0.13	6.29	18.85
93	9.67	4.19	1.85	0.62	0.57	0.44	0.00	0.00	0.00	0.28	2.50	2.32	22.44
94	1.98	3.80	0.27	0.86	1.47	0.06	0.00	0.00	0.00	0.80	6.86	2.40	18.50
95	10.38	0.13	10.00	0.83	1.08	1.37	0.00	0.00	0.00	0.00	0.04	5.91	29.74
96	5.55	5.93	2.24	1.37	1.76	0.00	0.00	0.00	0.00	0.67	2.22	6.82	26.56
97	8.14	0.19	0.28	0.07	0.40	0.19	0.00	0.65	0.05	0.81	6.32	2.46	19.56
98	7.19	12.18	2.03	1.31	2.66	0.00	0.00	0.00	0.12	0.43	2.35	1.60	29.87
99	2.72	5.31	1.92	1.94	0.07	0.00	0.00	0.00	0.01	0.42	1.41	0.37	14.17
0	6.55	7.75	1.91	0.86	1.10	0.12	0.00	0.00	0.07	1.74	1.04	0.77	21.91
1	2.82	7.21	1.13	1.07	0.00	0.20	0.00	0.00	0.21	0.25	3.77	7.04	23.70
2													

WETS Station : MOUNT DIABLO JUNCTION, CA5915 Creation Date: 08/29/2002
 Latitude: 3752 Longitude: 12156 Elevation: 02170
 State FIPS/County(FIPS): 06013 County Name: Contra Costa
 Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg # of days w/.1 or more	avg total snow fall
					less than	more than		
January	55.6	39.2	47.4	4.76	2.07	5.81	7	0.3
February	57.2	40.4	48.8	4.49	1.97	5.47	7	0.0
March	59.0	40.6	49.8	3.95	2.05	4.83	7	0.4
April	64.8	43.1	53.9	1.45	0.72	1.77	3	0.6
May	70.7	47.4	59.0	0.85	0.06	0.98	1	0.0
June	78.6	53.1	65.9	0.15	0.00	0.17	0	0.0
July	85.2	59.4	72.3	0.05	0.00	0.00	0	0.0
August	85.3	59.6	72.5	0.09	0.00	0.02	0	0.0
September	82.2	57.4	69.8	0.36	0.00	0.42	1	0.0
October	74.1	51.5	62.8	1.36	0.60	1.74	2	0.0
November	61.7	43.6	52.7	3.41	1.43	4.14	5	0.1
December	56.2	39.6	47.9	3.35	1.78	4.15	6	0.1
Annual	-----	-----	-----	-----	18.53	27.46	--	----
Average	69.2	47.9	58.6	-----	-----	-----	--	----
Total	-----	-----	-----	24.27	-----	-----	39	1.5

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
	Beginning and Ending Dates Growing Season Length		
50 percent *	> 365 days > 365 days	> 365 days > 365 days	3/11 to 12/14 277 days
70 percent *	> 365 days > 365 days	> 365 days > 365 days	2/28 to 12/26 302 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1952-2002 prcp

Station : CA5915, MOUNT DIABLO JUNCTION

----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
52				1.94	0.41	0.47	0.00	0.00	0.00	0.00	3.54	18.78	15.14
53	3.80	0.00	2.27	2.28	0.88	0.47	0.00	0.26	0.00	0.54	2.14	0.99	13.63
54	4.40	3.98	13.54	2.05	0.26	0.57	0.00	0.03	0.03	0.00	2.74	5.55	23.15
55	3.92	1.66	0.38	2.12	0.64	0.00	0.00	0.00	0.05	0.10	1.86	15.38	26.11
56	8.79	2.77	0.09	2.29	0.87	0.00	0.00	0.00	0.42	2.14	0.09	0.79	18.25
57	3.51	4.87	2.40	1.62	4.01	0.05	0.00	0.00	0.48	2.70	0.80	4.62	25.06
58	6.11	9.82	7.43	6.08	0.86	0.29		0.00	0.10	0.18	0.34	1.28	32.49
59	5.54	5.04	0.50	0.36	0.04	0.00	0.00	0.00	2.79	0.00	0.00	2.02	16.29
60	5.46	5.75	2.92	1.30	0.98	0.00	0.00	0.00	0.00	0.55	4.91	1.05	22.92
61	3.16	1.24	3.62	1.12	0.98	10.15	0.00	0.28	0.29	0.35	3.29	2.45	16.93
62	1.74	9.51	2.15	0.52	0.01	0.00	0.00	0.00	0.00	10.67	0.65	2.16	27.41
63	3.62	7.09	3.64	5.38	0.99	0.00	0.00	0.00	0.20	1.80	4.95	0.48	28.15

64	5.17	0.00	1.85	0.29	0.59	0.91	0.02	0.14	0.00	1.52	4.03	9.13	23.65
65	M4.20	0.83	2.23	4.45	0.00	0.00	0.00	0.00	0.02	0.04	5.15	4.07	20.99
66	2.10	2.25	0.64	0.86	0.41	0.03	0.20	0.05	0.17	0.00	5.30	4.01	16.02
67	12.00	0.35	5.15	5.43	0.30	0.99	0.00	0.00	0.05	0.55	1.31	4.21	30.34
68	5.92	2.52	3.46	0.31	0.51	0.00	0.00	0.18	0.00	0.43	3.43	3.98	20.74
69	10.76	7.75	1.68	2.08	0.08	0.13	0.00	0.00	0.01	2.15	0.86	7.37	32.87
70	10.21	1.99	M1.64	0.27	0.03	0.51	0.00	0.00	0.00	0.80	7.87	7.35	30.67
71	1.57	0.40	3.19	1.45	0.66	0.00	0.00	0.01	0.29	0.21	1.86	4.87	14.51
72	1.22	2.57	0.20	M1.72	0.00	0.00	0.00	0.00	0.75	3.36	7.17	M3.17	20.16
73	9.36	6.89	3.43	0.15	0.00	0.00	0.00	0.00	0.16	1.78	6.58	4.94	33.29
74	3.58	0.95	6.24	M2.61	0.00	0.03	0.56	0.00	0.00	1.01	1.24	2.55	18.77
75	1.02	6.59	M6.45	2.49	0.00	0.05	0.23	0.13	0.00	2.60	1.46	0.42	21.44
76	0.40	1.01	1.88	0.48	0.00	0.09	0.00	1.11	0.90	0.63	0.68	1.72	8.90
77	1.34	1.27	2.09	0.42	1.52	0.00	0.00	0.00	0.73	0.16	3.37	5.47	16.37
78	9.79	4.46	6.01	3.16	0.16	0.00	0.00	0.00	0.44	0.00	3.23	0.73	27.98
79	7.19	3.93	3.05	1.17	0.99	0.00	0.01	0.00	0.00	3.08	2.07	5.72	27.21
80	8.39	8.61	2.40	1.80	0.44	0.02	0.50	0.00	0.00		0.32	2.01	24.49
81	5.00	1.00	5.05	0.50	0.13	0.00	0.00	0.00	0.05	2.49	6.80	4.60	25.62
82	M5.92	4.06	6.76	4.28	0.00	0.11	0.03	0.00	1.54	2.34	6.33	4.16	35.53
83	5.97	6.64	9.03	3.29	0.62	0.00	0.00	0.40	0.81	1.01	7.72	5.96	41.45
84	0.31	2.43	1.62	0.71	0.02	0.14	0.00	0.11	0.11	M2.09	7.08	1.51	16.13
85	0.94	2.35	4.01	0.28	0.09	0.36	0.03	0.09	0.76	0.80	3.20	2.76	15.67
86	3.51	12.71	5.36	0.79	0.58	0.00	0.06	0.00	1.57	0.22		0.91	25.71
87	2.34	4.83	3.10	0.25	0.03	0.00	0.00	0.00	0.00			5.00	15.55
88	3.74	0.43			0.87	0.42	0.00	0.00	0.00	0.53	3.09	M2.61	11.69
89	M1.19	1.16	5.15	0.51	0.22	0.16	0.00	0.00	1.78	2.54	1.48	0.00	14.19
90	3.33	3.45	1.07	0.51	2.91	0.00	0.00	0.07	0.13	0.00	0.78	1.82	14.07
91	0.47	M3.39	10.43	0.63	0.36	0.16	0.00		0.00	3.16	0.60	2.13	21.33
92	1.36	7.24	3.27	0.31	0.00	0.33	0.00	0.00	0.00	1.87	0.43	M7.26	22.07
93	11.09	5.69	2.83	1.24	1.08	0.40	0.00	0.00	0.04	0.48	2.73	2.82	28.40
94	1.79	5.60	0.28	1.93	2.04	0.00	0.00	0.00	0.06	0.90	6.82	3.89	23.31
95	11.63	0.37	9.57	2.31	3.09	1.34	0.00	0.00	0.00	0.00	0.06	8.84	37.21
96	7.09	7.23	3.12	2.35	2.51	0.00	0.00	0.00	0.00	1.34	4.75	8.36	36.75
97	11.16	0.46	0.54	0.56	0.34	0.47	0.00	0.54	0.00	1.29	6.65	3.12	25.13
98	8.96	13.54	3.46	2.28	4.64	0.12	0.00	0.00	0.24	0.69	5.51	1.68	41.12
99	4.64	6.11	2.74	2.07	0.22	0.00	0.00	0.04	0.06	0.47	2.45	0.38	19.18
0	8.62	9.30	2.36	1.84	1.84	0.35	0.00	0.01	0.38	3.08	0.90	1.03	29.71
1	5.22	4.90	2.81	1.41	0.00	0.10	0.00	0.00	0.05	0.57	4.48	9.14	28.68

WETS Station : RICHMOND, CA7414

Creation Date: 08/29/2002

Latitude: 3756 Longitude: 12221

Elevation: 00060

State FIPS/County(FIPS): 06013

County Name: Contra Costa

Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg # of days w/.1 or more	avg total snow fall
					less than	more than		
January	57.7	42.7	50.2	4.71	2.09	5.75	7	0.0
February	61.8	45.4	53.6	4.24	1.72	5.15	7	0.0
March	63.9	47.1	55.5	3.55	1.31	4.29	6	0.0
April	67.3	49.0	58.2	1.35	0.57	1.64	3	0.0
May	69.3	51.8	60.6	0.54	0.01	0.52	1	0.0
June	71.7	54.6	63.1	0.17	0.00	0.16	0	0.0
July	71.5	55.8	63.6	0.07	0.00	0.00	0	0.0
August	72.0	56.5	64.3	0.10	0.00	0.00	0	0.0
September	74.1	56.5	65.3	0.27	0.00	0.30	0	0.0
October	72.3	53.3	62.8	1.40	0.45	1.71	2	0.0
November	64.4	47.9	56.2	3.31	1.15	3.98	5	0.0
December	58.1	42.9	50.5	3.35	1.85	4.16	6	0.0
Annual	-----	-----	-----	-----	16.80	26.21	--	-----
Average	67.0	50.3	58.7	-----	-----	-----	--	-----
Total	-----	-----	-----	23.07	-----	-----	37	0.0

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
Beginning and Ending Dates Growing Season Length			
50 percent *	----- > 365 days	----- > 365 days	> 365 days > 365 days
70 percent *	----- > 365 days	----- > 365 days	> 365 days > 365 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1951-2002 prcp

Station : CA7414, RICHMOND
----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
51	M4.56	2.53	1.08	0.86	0.90	0.00	0.00	0.10	0.00	0.95	M3.34	8.80	23.12
52	9.79	2.22	3.77	0.96	0.18	0.63	0.00	0.00	0.00	0.06	2.68	10.35	30.64
53	4.60	0.00	2.32	3.62	0.30	0.00	0.00	0.12	0.00	0.45	M2.08	0.39	13.88
54	4.57	2.60	4.58	1.46	0.07	0.16	0.00	0.15	0.00	0.07	2.81	5.86	22.33
55	4.19	1.29	0.42	1.96	0.07	0.00	0.00	0.00	0.00	0.02	2.18	14.25	24.38
56	M7.45	2.77	M0.04	1.42	0.69	0.02	0.00	0.00	0.54	M1.88	0.09	0.18	15.08
57	2.87	4.73	M2.02	1.87	3.16	0.02	M0.00	M0.00	M1.71	3.32	0.33	3.72	23.75
58	6.19	10.39	6.89	5.54	0.81	0.40	0.03	0.00	0.04	0.16	0.03	1.74	32.22
59	4.15	5.39	0.77	M0.51	M0.00	0.00	0.00	0.00	2.74	0.00	0.00	1.93	15.49
60	4.32	4.14	2.55	1.29	0.37	0.00	0.00	0.00	0.00	0.26	3.43	2.61	18.97
61	1.91	1.51	2.79	1.14	0.35	0.00	0.00	0.05	0.29	0.05	4.20	2.32	14.61

62	1.39	7.18	3.76	0.24	0.00	0.00	0.00	0.10	0.08	7.38	0.99	3.48	24.60
63	4.20	3.47	4.20	5.14	0.50	0.00	0.00	0.03	0.13	1.82	3.81	0.49	23.79
64	3.90	0.23	1.40	0.37	0.22	0.79	0.00	0.01	0.00	1.60	4.10	6.93	19.55
65	4.53	1.24	1.61	3.47	0.00	0.00	0.00	0.36	0.00	0.10	4.99	3.70	20.00
66	4.76	3.01	0.51	0.37	0.17	0.06	0.05	0.08	0.14	0.00	5.93	4.64	19.72
67	8.21	0.38	5.32	5.14	0.07	1.15	0.00	0.00	0.02	0.38	1.02	2.40	24.09
68	5.20	3.21	3.60	0.46	0.18	0.00	0.00	0.13	0.00	1.07	3.05	5.69	22.59
69	8.19	6.53	1.50	2.05	0.00	0.00	0.00	0.00	0.00	2.44	0.67	7.63	29.01
70	10.72	1.75	1.89	0.29	0.01	0.44	0.00	0.00	0.00	1.00	7.01	6.29	29.40
71	2.19	0.23	2.26	0.88	0.08	0.00	0.00	0.00	0.15	0.03	1.83	4.41	12.06
72	1.18	1.79	0.26	1.38	0.00	0.18	0.00	0.00	0.66	4.57	6.48	3.37	19.87
73	11.68	6.58	2.53	0.14	0.02	0.00	0.00	0.00	0.30	1.79	10.55	3.92	37.51
74	3.75	2.01	4.67	2.62	0.00	0.04	1.41	0.00	0.00	1.11	0.67	2.06	18.34
75	1.71	5.27	6.49	2.00	0.01	0.01	0.18	0.04	0.00	3.09	0.56	0.71	20.07
76	0.31	2.04	1.07	1.05	0.00	0.00	0.00	0.94	0.57	0.55	0.92	2.43	9.88
77	1.50	0.94	2.03	0.35	0.59	0.00	0.00	0.00	1.27	0.30	3.66	5.26	15.90
78	8.23	4.42	6.01	3.39	0.01	0.00	0.00	0.00	0.50	0.00	1.82	0.74	25.12
79	7.00	5.49	2.30	0.87	0.30	0.00	0.20	0.00	0.01	2.07	4.53	6.33	29.10
80	5.69	7.40	1.20	1.51	0.11	0.03	0.18	0.00	0.00	0.12	0.23	2.43	18.90
81	5.75	1.68	4.04	0.18	0.31	0.00	0.00	0.00	0.15	2.08	8.38	6.32	28.89
82	11.23	3.47	6.60	4.98	0.00	0.11	0.00	0.00	0.63	3.52	7.17	3.11	40.82
83	6.42	8.81	12.24	3.41	0.46	0.00	0.00	0.22	0.83	0.45	7.16	7.49	47.49
84	0.30	1.65	2.29	1.18	0.01	0.12	0.00	0.16	0.05	1.81	7.26	1.97	16.80
85	0.80	2.29	4.37	0.10	0.02	0.10	0.08	0.00	0.35	1.23	4.85	3.49	17.68
86	5.56	10.17	5.84	1.25	0.16	0.00	0.04	0.00	0.59	0.11	0.12	1.07	24.91
87	3.01	4.56	2.37	0.10	0.00	0.00	0.00	0.00	0.00	1.28	2.41	3.25	16.98
88	3.89	0.36	0.01	1.61	0.42	0.71	0.00	0.00	0.00	0.28	2.42	3.32	13.02
89	1.04	0.70	5.17	0.48	0.03	0.04	0.00	0.00	1.65	1.42	2.24	0.00	12.77
90	3.65	3.14	1.05	0.15	2.70	0.00	0.00	0.00	0.12	0.16	0.44	1.68	13.09
91	0.47	4.05	7.77	0.46	0.10	0.16	0.00	0.24	0.03	1.41	0.86	1.91	17.46
92	1.75	6.50		0.67	0.00	0.56	0.00		0.00	1.97	0.22	5.92	17.59
93	9.47	4.33	M0.97	0.85	0.68	1.46	0.00	0.00	0.00	M0.42	1.81	2.82	22.81
94	1.79	4.13	0.24	1.10	1.21	0.00	0.00	0.00	0.00	0.50	M7.98	M1.73	18.68
95	10.67	M0.17	M11.31	M0.91	M0.28	1.03	0.00		0.00	0.00	0.12	8.02	32.51
96	7.76	6.90	2.12	2.19	3.38	0.00	0.00	0.00	0.00	2.07	3.25	9.71	37.38
97	9.39	0.29	0.42	0.26	0.42	0.38	0.00	1.10	0.00	1.92	7.48	2.78	24.44
98	11.26	16.40	2.52	2.14	3.74	0.02	0.00	0.00	0.10	0.75	4.97	1.03	42.93
99	3.76	7.30	2.56	2.60	0.00	0.02	0.00	0.00	0.09	0.56	2.84	M0.95	20.68

0M6.13 2.34 1.58 1.27 0.20 0.00 0.00 0.04 6.29 0.77 0.78 19.40
 1 7.10 8.27 1.43 1.10 0.00 0.26 0.00 0.00 0.00 0.60 6.70 11.86 37.32
 2

 WETS Station : LODI, CA5032
 Latitude: 3807 Longitude: 12117 Elevation: 00040
 State FIPS/County(FIPS): 06077 County Name: San Joaquin
 Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg # of days w/.1 or more	avg total snow fall
					less than	more than		
January	54.6	37.5	46.1	3.58	1.50	4.36	7	0.0
February	61.8	40.2	51.0	3.49	1.84	4.26	7	0.0
March	66.7	42.5	54.6	3.12	1.45	3.81	7	0.0
April	73.6	45.1	59.4	1.15	0.57	1.41	2	0.0
May	80.9	49.8	65.4	0.56	0.03	0.66	1	0.0
June	87.4	53.9	70.6	10.84	0.00	1.83	0	0.0
July	90.9	56.4	73.7	0.07	0.00	0.00	0	0.0
August	90.0	55.7	72.9	0.06	0.00	0.00	0	0.0
September	87.1	53.4	70.3	0.35	0.00	0.34	0	0.0
October	78.6	47.5	63.1	1.07	0.34	1.34	2	0.0
November	64.1	40.7	52.4	2.35	0.88	2.88	4	0.0
December	54.8	36.0	45.4	2.60	1.37	3.22	5	0.0
-----	-----	-----	-----	-----	-----	-----	-----	-----
Annual	-----	-----	-----	-----	11.92	34.38	--	----
-----	-----	-----	-----	-----	-----	-----	-----	-----
Average	74.2	46.6	60.4	-----	-----	-----	--	----
-----	-----	-----	-----	-----	-----	-----	-----	-----

Total	-----	-----	-----	29.23	-----	-----	35	0.0
-----	-----	-----	-----	-----	-----	-----	-----	-----

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
Beginning and Ending Dates Growing Season Length			
50 percent *	> 365 days	1/10 to 12/16	3/ 2 to 11/20
	> 365 days	341 days	263 days
70 percent *	> 365 days	12/28 to 12/28	2/26 to 11/26
	> 365 days	> 365 days	274 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1948-2002 prcp

Station : CA5032, LODI
----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
48							0.00	0.00	0.00	1.28	0.73	3.48	5.49
49	1.01	1.83	5.07	0.00	0.13	0.00	0.00	0.06	0.00	0.12	1.04	M1.05	10.31
50	M4.17	1.77	M1.71	0.80	0.19	0.00	0.07	0.00	0.37	1.95	4.93	4.02	19.98
51	2.88	1.66	1.27	1.11	1.09	0.00	0.00	0.00	0.00	1.04	2.28	5.63	16.96
52	M4.31	1.65	M3.23	1.88	0.07	0.10	0.00	0.00	0.00	0.00	1.57	5.38	18.19
53	2.01	0.02	1.22	1.94	0.63	0.66	0.00	0.08	0.00	0.36	1.36	1.20	9.48
54	1.72	1.81	2.99	1.36	0.26	0.08	0.00	0.04	0.00	0.01	2.34	4.32	14.93

55	3.40	1.39	0.17	3.09	0.51	0.00	0.00	0.00	M1.10	0.13	1.21	9.45	20.45
56	5.62	1.38	0.05	2.00	1.08	0.00	0.00	0.00	0.75	1.74	0.04	0.39	13.05
57	2.84	2.53	2.02	2.43	2.11	0.59	0.00	0.00	0.19	1.51	0.54	2.82	17.58
58	4.41	6.29	5.48	4.78	0.91	0.45	0.00	0.02	0.13	0.09	0.12	0.75	23.43
59	4.11	4.46	0.38	1.13	0.00	0.00	0.00	0.02	2.38	0.00	0.00	1.15	13.63
60	4.20	3.12	1.51	1.04	0.23	0.00	0.02	0.00	0.00	0.00	3.04	1.66	14.82
61	3.43	1.03	2.60	0.89	0.28	0.02	0.00	0.09	0.36	0.06	2.54	0.71	12.01
62	1.09	6.31	1.00	0.40	0.04	0.00	0.02	0.00	0.00	2.66	0.53	1.92	13.97
63	2.69	3.52	3.44	3.77	0.47	0.01	0.00	0.00	0.32	1.82	4.21	0.22	20.47
64	2.75	0.17	1.52	0.17	0.37	0.64	0.01	0.27	0.00	1.79	2.70	6.37	16.76
65	2.87	0.63	1.31	2.29	0.03	0.00	0.22	0.36	0.01	0.14	3.83	3.77	15.46
66	1.64	1.59	0.41	0.33	0.37	0.03	0.09	0.00	0.00	0.00	5.14	3.59	13.19
67	7.09	0.41	4.18	2.88	0.09	0.39	0.00	0.00	0.04	0.19	1.35	1.20	17.82
68	3.15	1.93	2.64	0.52	0.27	0.02	0.00	0.00	0.00	0.41	3.03	4.43	16.40
69	6.52	5.78	1.13	1.44	0.18	0.04	0.02	0.00	0.39	0.98	0.91	3.98	21.37
70	6.52	1.46	2.11	0.25	0.01	0.20	0.00	0.00	0.02	0.66	6.10	4.29	21.62
71	0.95	0.38	2.02	0.86	1.16	0.01	0.00	0.00	0.04	0.33	1.17	3.97	10.89
72	0.64	0.92	0.40	1.39	0.14	0.22	0.00	0.00	0.82	1.15	5.10	2.20	12.98
73	6.10	3.86	3.18	0.09	0.02	0.00	0.00	0.00	0.28	2.08	4.41	3.95	23.97
74	2.42	0.72	3.86	2.45	0.00	0.41	0.88	0.00	0.00	0.98	1.14	2.70	15.56
75	0.93	5.44	3.88	1.24	0.00	0.04	0.11	0.50	0.00	1.83	0.50	0.43	14.90
76	0.22	1.86	1.02	1.44	0.00	0.08	0.00	0.83	0.15	0.04	0.59	0.95	7.18
77	1.24	1.19	1.63	0.12	1.43	0.00	0.00	0.00	0.39	0.16	1.83	4.37	12.36
78	6.76	4.03	5.01	2.63	0.15	0.00	0.00	0.00	0.53	0.00	1.83	0.67	21.61
79	5.83	4.80	3.32	0.72	0.03	0.00	0.21	0.00	0.00		2.08	4.00	20.99
80	4.05	4.64	1.27	1.21	0.67	0.00	0.64	0.00	0.00	0.04	0.07	1.95	14.54
81	4.87	0.76	3.64	1.03	0.66	0.00	0.00	0.00	0.02	2.38	4.53	2.79	20.68
82	5.47	2.76	7.25	1.79	0.00	0.36	0.00	0.00	2.09	2.68	6.28	3.28	31.96
83	6.24	4.35	7.49	3.45	0.19	0.04	0.00	0.00	1.08	0.43	6.63	5.50	35.40
84	0.28	1.55	1.22	0.59	0.15	0.12	0.00	0.01	0.03	2.61	5.10	2.27	13.93
85	0.52	1.35	4.16	0.19	0.00	0.24	0.00	0.00	0.75	0.95	3.62	2.72	14.50
86	3.15	7.51	4.41	2.47	0.31	0.00	0.02	0.00	1.25	0.00	0.04	0.75	19.91
87	2.82	4.08	4.52	0.15	0.00	0.00	0.00	0.00	0.00	0.71	2.88	3.46	18.62
88								0.00			2.11	2.80	4.91
89	0.69	1.36	3.56	0.24	0.05	0.39	0.00	0.17	2.22	1.45	1.38	0.00	11.51
90	1.93	2.47	1.15	0.85		0.00	0.00	0.00	0.00	0.37	0.28	1.47	8.52
91	0.19	2.25	6.39	0.52	0.29	0.05	0.00	0.12	0.00	3.15	0.48	1.37	14.81
92	1.73	6.15	2.43	1.09	0.00	0.25			0.00	1.06	0.22	5.63	18.56

93	7.83	4.64	3.30	0.55	1.31	0.62	0.00	0.00	0.00	0.22	3.19	1.24	22.90
94	1.63	3.96	0.04	1.16	0.96	0.00	0.00	0.00	0.08	0.86	2.41	1.63	12.73
95	9.71	0.61	7.65	1.53	0.84	0.33	0.00	0.00	0.01	0.00	0.00	M6.25	26.93
96	5.26	3.51	2.84	1.29	2.35	0.15	0.00	0.00	0.00	1.66	2.60	M6.80	26.46
97	6.96		0.25	0.33	0.34	0.18	0.00		0.00	0.57	3.27	3.13	15.03
98	6.48	9.58	2.41	2.00	3.62	0.19	0.00	0.00	0.14	1.32	3.63	0.67	30.04
99	3.65	4.38	0.99	0.72	0.32	0.02	0.00	0.00	0.16	0.25	2.12	0.41	13.02
0	5.35	8.56	1.10	1.27	0.83	-310.7	0.00		0.10	2.60	0.94	0.56	-289.
1	3.66	4.06	1.93	1.96	0.00	0.12	0.00	0.00	0.31	0.47	2.77	M6.89	22.17
2													

WETS Station : STOCKTON WS0, CA8558 Creation Date: 08/29/2002
 Latitude: 3754 Longitude: 12115 Elevation: 00020
 State FIPS/County(FIPS): 06077 County Name: San Joaquin
 Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg # of days w/.1 or more	avg total snow fall
					less than	more than		
January	53.8	38.3	46.0	2.71	1.21	3.31	6	0.0
February	61.2	41.2	51.2	2.50	1.21	3.05	5	0.0
March	66.1	43.7	54.9	2.28	0.95	2.78	5	0.0
April	73.3	46.7	60.0	0.96	0.48	1.17	2	0.0
May	81.3	52.3	66.8	0.50	0.03	0.54	1	0.0
June	88.9	57.7	73.3	0.09	0.00	0.12	0	0.0
July	93.8	61.1	77.5	0.05	0.00	0.00	0	0.0
August	92.5	60.7	76.6	0.05	0.00	0.00	0	0.0
September	88.2	57.9	73.0	0.33	0.00	0.29	0	0.0
October	78.6	50.9	64.8	0.82	0.21	0.98	1	0.0
November	64.0	42.5	53.3	1.77	0.61	2.16	4	0.0

December	53.8	36.9	45.4	1.82	0.82	2.22	4	0.0
Annual	-----	-----	-----	-----	10.68	15.98	--	-----
Average	74.6	49.2	61.9	-----	-----	-----	--	-----
Total	-----	-----	-----	13.88	-----	-----	28	0.0

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
	Beginning and Ending Dates Growing Season Length		
50 percent *	----- > 365 days	1/11 to 12/24 348 days	2/14 to 11/29 288 days
70 percent *	----- > 365 days	> 365 days > 365 days	2/ 7 to 12/ 6 303 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1949-2002 prcp

Station : CA8558, STOCKTON WSO

----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
49	1.20	1.52	4.77	0.00	0.14	0.00	0.00	0.00	0.00	0.01	0.74	1.64	10.02
50	3.85	1.58	1.80	0.47	0.07	0.00	0.00	0.00	0.28	1.65	4.20	3.83	17.73
51	1.18	2.14	0.80	0.63	0.50	0.00	0.00	0.00	0.00	1.21	1.66	5.55	13.67
52	3.72	1.41	3.03	1.55	0.06	0.03	0.01	0.00	0.03	0.00	1.12	5.16	16.12
53	2.16	0.06	0.91	1.71	0.29	0.34	0.00	0.01	0.00	0.23	0.80	1.16	7.67
54	1.36	1.63	3.20	1.54	0.26	0.14	0.00	0.00	0.00	0.00	2.16	2.86	13.15
55	3.59	0.79	0.33	2.22	0.40	0.00	0.00	0.00	0.01	0.02	1.71	8.05	17.12
56	4.65	0.69	0.00	1.73	0.92	0.00	0.00	0.00	0.40	0.89	0.00	0.32	9.60
57	2.11	2.22	1.51	1.73	1.07	0.27	0.00	0.00	0.15	1.72	0.37	2.09	13.24
58	3.29	5.07	5.60	3.55	0.76	0.15	0.02	0.00	0.13	0.02	0.02	0.68	19.29
59	3.48	4.02	0.30	1.61	0.00	0.00	0.00	0.02	3.00	0.00	0.00	0.90	13.33
60	1.99	3.05	0.70	0.73	0.14	0.00	0.00	0.00	0.05	0.00	2.18	0.48	9.32
61	3.06	0.69	1.44	0.74	0.69	0.02	0.00	0.16	0.38	0.03	2.36	1.11	10.68
62	1.09	6.00	1.02	0.30	0.14	0.00	0.02	0.00	0.00	1.32	0.45	1.69	12.03
63	4.29	2.50	2.84	3.12	0.46	0.13	0.00	0.00	0.26	1.44	4.05	0.04	19.13
64	1.99	0.05	0.94	0.14	0.47	0.66	0.00	0.29	0.00	1.68	2.55	5.33	14.10
65	2.62	0.61	2.17	2.08	0.03	0.00	0.00	0.35	0.01	0.16	3.52	3.01	14.56
66	1.60	1.75	0.18	0.27	0.20	0.04	0.14	0.00	0.02	0.00	3.63	3.86	11.69
67	6.80	0.33	2.84	2.81	0.18	0.07	0.00	0.00	0.03	0.15	1.27	1.33	15.81
68	4.10	1.74	2.68	1.01	0.19	0.00	0.00	0.03	0.00	0.62	2.63	4.38	17.38
69	6.24	5.43	0.91	1.60	0.03	0.00	0.00	0.00	0.22	1.07	0.60	2.43	18.53
70	7.06	1.42	2.56	0.95	0.00	0.07	0.00	0.00	0.00	0.95	6.12	3.61	22.74
71	0.95	0.83	1.88	0.98	0.86	0.01	0.00	0.00	0.19	0.28	0.81	3.82	10.61
72	0.69	0.70	0.07	0.57	0.11	0.15	0.00	0.00	0.66	0.74	6.22	2.38	12.29
73	6.31	4.19	3.18	0.23	0.04	0.00	0.00	0.00	0.08	2.08	3.66	3.87	23.64
74	1.73	0.74	2.59	2.79	0.00	0.34	0.61	0.00	0.00	0.97	0.78	2.15	12.70
75	0.93	2.15	3.08	0.74	0.00	0.00	0.02	0.81	0.01	1.36	0.25	0.12	9.47
76	0.14	1.23	0.63	1.11	0.00	0.03	0.07	0.52	0.39	0.26	0.59	0.63	5.60
77	0.83	0.79	0.95	0.50	0.80	0.00	0.01	0.00	0.55	0.02	0.86	2.46	7.77
78	4.33	2.50	5.56	2.09	0.02	0.00	0.00	0.00	0.47	0.00	1.70	0.58	17.25
79	4.29	3.53	1.15	0.78	0.05	0.00	0.22	0.00	0.00	1.36	0.99	1.76	14.13
80	3.06	2.73	1.12	0.90	0.27	0.00	0.50	0.00	0.00	0.06	0.04	1.22	9.90
81	4.30	0.59	3.18	1.02	0.05	0.00	0.00	0.00	0.02	1.48	3.68	1.72	16.04

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82 3.87 M1.31 6.48 1.55 0.00 0.18 0.00 0.00 2.47 2.22 3.93 2.60 24.61
83 5.80 3.49 5.10 2.10 0.16 0.02 0.00 0.00 1.79 0.50 4.23 3.46 26.65
84 0.22 1.20 0.65 0.37 0.01 0.06 0.00 0.01 0.06 1.47 3.53 1.69 9.27
85 0.67 0.85 2.21 0.13 0.00 0.22 0.05 0.01 0.07 1.25 2.49 1.72 9.67
86 1.69 5.82 M3.64 0.93 0.15 0.00 0.02 0.00 0.80 0.01 0.03 0.67 13.76
87 2.03 3.28 2.84 0.12 0.02 0.00 0.00 0.00 0.00 1.04 1.31 2.41 13.05
88 1.97 0.31 0.19 1.98 0.54 0.23 0.00 0.00 0.00 0.01 1.36 2.28 8.87
89 0.37 1.07 2.16 0.07 0.07 0.21 0.00 0.00 2.06 0.87 1.11 0.03 8.02
90 2.23 1.30 0.86 0.52 2.33 0.00 0.00 0.00 0.00 0.20 0.45 0.91 8.80
91 0.17 2.32 5.35 0.45 0.12 0.11 0.02 0.07 0.00 1.98 0.34 0.76 11.69
92 1.39 5.37 1.30 0.72 0.00 0.12 0.00 0.00 0.00 0.52 0.20 3.49 13.11
93 4.91 3.87 3.22 0.26 0.83 0.42 0.00 0.00 0.00 0.31 2.04 1.01 16.87
94 1.56 2.79 0.18 1.18 1.68 0.00 0.00 0.00 0.24 0.42 2.05 1.15 11.25
95 6.88 0.38 4.90 1.16 0.55 0.08 0.00 0.00 0.00 0.00 0.00 4.29 18.24
96 4.07 4.02 2.10 1.19 1.39 0.09 0.00 0.00 0.00 1.09 2.56 4.54 21.05
97 4.05 0.29 0.12 0.11 0.28 0.20 0.00 0.02 0.00 0.22 3.76 1.94 10.99
98 5.39 8.22 2.16 1.92 3.73 0.14 0.00 0.00 0.00 1.02 2.31 0.30 25.19
99 2.86 2.81 0.87 1.13 0.17 0.00 0.00 0.00 0.08 0.08 1.70 0.30 10.00
0 3.72 5.07 0.76 1.22 0.68 0.03 0.00 0.00 0.08 2.68 0.20 0.40 14.84
1 2.84 2.33 1.52 1.13 0.00 0.06 0.00 0.00 0.25 0.28 1.98 4.99 15.38
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WETS Station : STOCKTON FIRE STN # 4, CA8560 Creation Date: 08/29/2002
 Latitude: 3800 Longitude: 12119 Elevation: 00010
 State FIPS/County(FIPS): 06077 County Name: San Joaquin
 Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
					30% chance will have		avg	
							# of	avg
	avg	avg	avg	avg	less	more	days	total
	daily	daily			than	than	w/.1	snow
	max	min					or	fall
							more	

January	54.7	36.6	45.7	3.34	1.42	4.07	6	0.0
February	62.2	39.8	51.0	3.12	1.44	3.81	6	0.0
March	67.0	42.8	54.9	2.66	1.03	3.22	6	0.0
April	73.6	45.3	59.5	1.15	0.51	1.42	3	0.0
May	80.9	50.2	65.5	0.55	0.02	0.65	1	0.0
June	87.9	54.7	71.3	0.11	0.00	0.13	0	0.0
July	92.2	56.9	74.6	0.04	0.00	0.00	0	0.0
August	91.7	56.0	73.8	0.05	0.00	0.00	0	0.0
September	88.3	53.5	70.9	0.34	0.00	0.29	0	0.0
October	79.7	47.7	63.7	0.99	0.31	1.21	2	0.0
November	65.2	40.6	52.9	2.01	0.70	2.45	4	0.0
December	55.5	35.3	45.4	2.26	1.08	2.80	5	0.0
-----	-----	-----	-----	-----	-----	-----	-----	-----
Annual	-----	-----	-----	-----	12.50	18.92	--	-----
Average	74.9	46.6	60.8	-----	-----	-----	--	-----
Total	-----	-----	-----	16.62	-----	-----	33	0.0
-----	-----	-----	-----	-----	-----	-----	-----	-----

GROWING SEASON DATES

Temperature			
Probability	24 F or higher	28 F or higher	32 F or higher

Beginning and Ending Dates			
Growing Season Length			
50 percent *	> 365 days	1/ 3 to -----	2/24 to 11/23
	> 365 days	364 days	272 days
70 percent *	> 365 days	> 365 days	2/13 to 12/ 4
	> 365 days	> 365 days	294 days

 * Percent chance of the growing season occurring between the Beginning
 and Ending dates.

total 1948-2002 prcp

Station : CA8560, STOCKTON FIRE STN # 4
 ----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
48							0.00	0.00	0.00	0.87	0.44	2.51	3.82
49	1.11	1.67	4.41	0.00	0.14	0.00	0.02	0.05	0.28	0.15	0.80	1.47	10.10
50	3.87	1.73	1.53	0.52	0.13	M0.02	0.00	0.00	0.53	1.40	4.21	3.66	17.60
51	2.55	1.38	1.74	0.83	0.83	0.00	0.00	M0.00	0.00	1.01	1.95	5.74	16.03
52	4.39	1.57	3.08	1.67	0.09	0.06	0.05	0.00	0.03	0.00	1.50	4.91	17.35
53	1.81	0.02	0.93	1.76	0.64	0.42	0.00	0.02	0.00	0.20	0.69	1.12	7.61
54	1.50	1.67	3.27	1.41	0.28	0.40	0.00	0.00	0.00	0.00	2.23	3.19	13.95
55	3.84	1.03	0.57	2.38	1.02	0.00	0.00	0.00	0.01	0.12	1.30	8.42	18.69
56	M4.61	0.94	0.04	1.75	0.98	0.00	0.00	0.00	0.40	0.95	0.02	0.32	10.01
57	2.52	2.59	1.91	2.13	1.49	0.24	0.00	0.00	0.16	1.58	0.46	2.58	15.66
58	3.91	6.09	4.90	4.64	0.74	0.19	0.00	0.00	0.12	0.12	0.03	0.80	21.54
59	3.58	4.12	0.32	1.00	0.00	0.00	0.00	M0.00	2.31	0.00	0.00	0.87	12.20
60	M2.98	2.95	0.88	0.96	0.28	0.00	0.00	0.00	0.00	0.00	2.87	0.98	11.90
61	3.25	0.83	2.17	0.72	0.18	0.08	0.00	0.08	M0.39	0.00	2.13	1.28	11.11
62	M0.07	6.26	1.17	0.42	0.20	0.00	0.00	0.02	0.02	1.80	0.28	1.86	12.10
63	M1.96	5.84	2.87	3.72	0.92	0.17	0.00	0.00	0.31	1.81	M3.50	0.17	21.27
64	2.27	0.10	0.89	0.31	0.33	0.78	0.07	0.16	0.08	1.79	2.13	4.82	13.73
65	2.42	0.49	1.44	1.64	0.04	0.00	0.00	0.32	0.01	0.07	3.75	2.04	12.22
66	1.28	1.95	0.32	0.36	0.30	0.02	0.00	0.00	0.04	0.00	M3.99	3.70	11.96
67	5.87	0.11	3.74	3.30	0.04	0.25	0.00	0.00	0.06	0.18	0.85	1.85	16.25
68	3.30	1.46	2.28	0.40	0.14	0.00	0.00	0.00		0.44	2.34	4.52	14.88
69	6.09	4.60	1.02	0.89	0.06	0.01	0.00	0.00	0.29	1.08	0.74	2.99	17.77
70	6.55	1.30	1.35	0.50	0.00	0.13	0.00	0.00	0.00	0.68	5.88	3.79	20.18
71	0.84	0.53	1.84	0.90	0.90	0.00	0.00	0.00	0.03	0.30	0.74	3.29	9.37
72	0.28	0.68	0.03	0.86	0.09	0.17	0.00	0.00	0.82	1.21	4.49	M1.79	10.42
73	5.62	3.67	2.82	0.10	0.03	0.00	0.00	0.00	0.20	2.11	3.18	2.90	20.63
74	2.52	0.69	2.23	1.90	0.00	0.24	0.45	0.00	0.00	1.17	0.25	2.35	11.80

75	0.47	4.23	2.86	1.19	0.00	0.02	0.10	0.55	0.01	2.05	0.21	0.18	11.87
76	0.20	1.02	0.90	1.50	0.00	0.05	0.00	0.65	1.14	0.22	0.52	0.92	7.12
77	1.06	0.91	1.06	0.04	1.39	0.00	0.00	0.00	0.34	0.06	1.28	4.38	10.52
78	6.01	3.29	4.39	2.71	0.06	0.00	0.00	0.00	0.24	0.01	1.75	0.38	18.84
79	5.11	3.96	2.34	0.55	0.00	0.00	0.17	0.00	0.00	1.38	1.53	3.10	18.14
80	4.63	M4.62	1.45	1.20	0.39	0.00	0.56	0.00	0.00	0.05	0.14	1.53	14.57
81	5.49	0.60	3.58	1.46	0.10	0.00	0.00	0.00	0.00	1.99	2.98	2.80	19.00
82	5.55	2.46	7.00	3.45	0.00	0.40	0.00	0.00	2.18	1.81	5.21	2.98	31.04
83	4.53	4.43	6.77	2.91	0.59	0.00	0.00	0.00	1.11	0.43	6.06	M4.54	31.37
84	0.33	1.35	1.09	0.54	0.00	0.00	0.00	0.00	0.00	1.48	4.24	1.80	10.83
85	0.86	1.35	2.59	0.27		0.21	0.00	0.00	0.22	1.01	3.71	2.69	12.91
86	2.48	7.46	4.75	1.59	0.19	0.00	0.04	0.00	0.92	0.00	0.07	0.98	18.48
87	2.67	4.13		0.14	0.00		0.00	0.00	0.00	0.58	2.52	3.02	13.06
88	2.51	0.35	0.20	2.70	0.49	0.32	0.00	0.00	0.00	0.22	1.82	3.12	11.73
89	0.60	1.93	3.50	0.24	0.05		0.00	0.08	2.51	1.18	1.16	0.00	11.25
90	1.65	2.56	0.69	0.65	2.15	0.00	0.00	0.00	0.04	0.29	0.12	0.46	8.61
91	0.29	2.63	6.54	0.60	0.31	0.08	0.03	0.05	0.00	3.47	0.40	1.29	15.69
92	1.93	5.33	2.37	0.00	0.00	0.06	0.00	0.00	0.00	0.89	0.35	4.26	15.19
93	6.91	4.22	3.71		1.07	0.69	0.00	0.00	0.00	0.68	2.64	1.38	21.30
94	1.76		0.15	1.32	1.12	0.00	0.00	0.00	M0.05		2.36	1.30	8.06
95	8.44	0.43	6.87	1.04	0.78	0.41	0.00	0.00	0.00	0.00	0.00	5.86	23.83
96	4.86	4.87	2.33	1.31	1.62	0.00	0.00	0.00	0.00	1.70	M2.67	6.49	25.85
97	7.66	0.46	0.08	0.55	0.30	0.14	0.00	0.11	0.00	0.37	5.03	2.50	17.20
98	5.28	9.93	2.57		3.23	0.18	0.00	0.00	0.07	0.98	2.60	1.08	25.92
99	3.45	4.05	M1.32	1.16	0.24	0.02	0.00	0.00	0.28	0.18	1.87	0.31	12.88
	0M6.22	M8.34	1.17	1.32	0.73	0.04	0.00	0.04	0.06	2.79	0.39	0.20	21.30
	1M3.33	2.64	1.94	1.99	0.00	0.08		0.00	0.24	0.44	2.91	6.60	20.17
	2												

WETS Station : TRACY CARBONA, CA8999 Creation Date: 08/29/2002
 Latitude: 3742 Longitude: 12125 Elevation: 00140
 State FIPS/County(FIPS): 06077 County Name: San Joaquin
 Start yr. - 1971 End yr. - 2000

Temperature (Degrees F.)	Precipitation (Inches)

Month	30% chance will have		avg # of days w/.1 or more	avg total snow fall
	less than	more than		
Month	avg daily max	avg daily min	avg	avg
January	54.9	36.8	45.8	1.84
February	61.7	40.0	50.8	1.84
March	66.6	42.9	54.7	1.67
April	73.2	45.4	59.3	0.74
May	80.9	50.2	65.5	0.61
June	88.0	54.7	71.4	0.08
July	93.1	56.8	74.9	0.04
August	91.9	55.6	73.7	0.06
September	87.7	54.0	70.8	0.26
October	78.8	48.7	63.8	0.66
November	64.8	41.5	53.2	0.99
December	55.5	35.9	45.7	1.39
Annual	-----	-----	-----	-----
Average	74.7	46.9	60.8	-----
Total	-----	-----	-----	10.19

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
	Beginning and Ending Dates Growing Season Length		

50 percent *	----- > 365 days	> 365 days > 365 days	2/19 to 12/ 5 290 days
70 percent *	----- > 365 days	> 365 days > 365 days	2/12 to 12/12 304 days

 * Percent chance of the growing season occurring between the Beginning
 and Ending dates.

total 1950-2002 prcp

Station : CA8999, TRACY CARBONA
 ----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	annl
50	3.46	0.57	0.95	0.30	0.07	0.00	0.00	0.00	0.00		2.61	M3.11	11.07
51	1.53	1.41	1.22	M0.72	0.28	0.00	0.00	0.00	0.00	M0.74	1.83	3.62	11.35
52	2.77	0.65	2.10	1.78	0.00	M0.00	0.00	0.00	0.02	0.00	1.06	3.40	11.78
53	0.56	0.00	0.75	1.15	0.39	0.23	0.00	0.06	0.00	0.17	0.32	0.48	4.11
54	1.21	0.67	1.44	0.96	M0.37	0.42	0.00	0.00	0.00	0.00	1.45	1.85	8.37
55	2.94	0.77	1.91	1.12	0.83	0.00	0.00	0.00	0.00	0.03	0.98	4.99	13.57
56	3.62	0.40	0.01	1.59	1.01	0.00	0.00	0.00	0.52	0.05	0.00	M0.20	7.40
57	1.54	1.72	1.96	0.93	M1.75	0.11	0.00	0.00	0.31	1.55	0.10	1.81	11.78
58	2.22	3.40	M3.04	2.21	0.77	0.20	0.00	0.00	0.08	0.02	0.07	0.62	12.63
59	1.42	3.01	0.09	0.34	0.00	0.00	0.00	0.00	2.31	0.00	0.00	0.54	7.71
60	1.69	1.84	0.21	0.54	0.14	0.00	0.00	0.00	0.11	0.00	2.28	0.49	7.30
61	2.26	0.73	1.11	0.27	0.27	0.00	0.00	0.06	0.28	0.00	1.78	0.73	7.49
62	0.64	5.01	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.34	1.29	8.51
63	1.07	1.82	1.41	2.11	0.11	0.00	0.00	0.00	0.27	1.07	1.51	0.10	9.47
64	1.63	0.06	0.39	0.12	0.13	0.63	0.04	0.12	0.09	0.95	1.52	2.29	7.97
65	1.28	0.47	1.36	2.06	0.00	0.00	0.22	0.31	0.00	0.03	2.84	1.66	10.23
66	0.98	1.06	0.14	0.34	0.09	0.09	0.23	0.00	0.00	0.00	1.69	1.77	6.39
67	3.85	0.15	1.87	2.38	0.01	0.44	0.00	0.00	0.00	0.08	0.64	1.37	10.79
68	2.90	1.09	1.91	0.70	0.31	0.00	0.00	2.49	0.00	0.78	1.87	2.26	14.31
69	2.94	3.32	1.03	0.73	0.00	0.00	0.00	0.00	0.31	0.53	0.54	0.82	10.22

70	3.52	0.42	0.97	0.16		0.04	0.00	0.00	0.00	0.43	4.13	3.08	12.75
71	0.62	0.37	0.93	1.03	0.81	0.00	0.00	0.00	0.00	0.15	0.34	1.68	5.93
72	0.51	0.44	0.00	0.26	0.19	0.10	0.00	0.00	0.55	1.06		1.68	4.79
73	3.73	3.19	M1.91		0.00	0.00	0.00	0.00	0.00	1.24	1.84	2.77	14.68
74	1.30	0.40	1.81	1.66	0.00	0.02	0.36	0.00	0.00	0.62	0.23	1.77	8.17
75	0.34	1.99	2.66	1.44	0.00	0.01	0.04	0.89	0.00	1.23	0.10	0.27	8.97
76	0.17	1.15	0.33	0.69	0.00	0.13	0.00	0.55	1.22	1.78	0.73	0.57	7.32
77	0.84	0.38	0.58	0.12	1.93	0.00	0.05	0.00	0.41	0.19	0.92	1.78	7.20
78	3.09	1.72	3.10	1.28	0.05	0.00	0.00	0.00	0.17	0.00	1.27	0.29	10.97
79	3.38	1.92	2.06	0.48	0.00	0.00	0.15	0.00	0.00	1.14	0.74	1.85	11.72
80	2.54	2.87	0.99	0.63	0.13	0.00	0.48	0.00	0.00	0.00	0.00	0.81	8.45
81	2.28	0.80	2.61	0.64	0.07	0.00	0.00	0.00	0.00	0.62	2.67	1.52	11.21
82	1.81	1.39	3.36	2.43	0.00	0.26	0.04	0.00	2.05	1.33	3.37	1.35	17.39
83	4.89	2.14	5.87	1.62	0.09	0.00	0.00	0.00	0.63	0.48	M2.87	M2.55	21.14
84	M0.38	M1.23	0.34	0.21	0.00	0.00	0.00	0.00	0.02	1.17	M2.72		6.07
85						0.16	0.00	0.00	0.06	0.38	M1.47	1.43	3.50
86	1.26	M3.67	M3.28	M0.70	0.25	0.00	0.00	0.00	0.38	0.00	M0.00	0.46	10.00
87	1.39	2.36	1.46	0.17	0.00			0.00					5.38
88		0.60	0.20	0.76	0.70	0.52	0.00	0.00	0.00	0.00	0.95	1.52	5.25
89	0.55	1.02	1.59	0.05	0.03	0.00	0.00	0.12	1.83	0.59	0.67	0.20	6.65
90	1.17	0.86	0.49	0.35	2.96	0.00	0.00	0.00	0.03	0.09	M0.21	M1.10	7.26
91	M0.40	1.44	M2.78	0.23	0.46	0.00	0.00	0.11	0.00	0.93	M0.15M-620.8-614.		
92	M0.63	4.08	M1.76	0.59	0.00	0.12	0.00	0.00	0.00	0.32	M0.27	M4.18	11.95
93	M3.91	M3.87	2.54	0.33	1.75	0.39	0.00	0.00	0.00	0.61	M1.16	1.28	15.84
94	0.89	M2.27	0.00	0.90	2.43	0.00	0.00	0.00	0.07	0.60	M1.36	M0.71	9.23
95	M4.65	0.12	M3.71	0.40	0.42	0.27	0.00	0.00	0.00	0.00	0.00	M3.58	13.15
96	M3.28	M3.28	M1.68	0.42	M1.07	0.08	0.00	0.00	0.00	M0.93	M1.76	M3.39	15.89
97	M4.02	M0.28	0.17	0.06	0.65	M0.00	0.00	0.03	0.00	M0.08	M2.97	1.18	9.44
98	M3.34	M6.98	M1.32	M1.27	2.67	0.19	0.00	0.00	0.10	0.84	M1.12	M0.50	18.33
99	M2.66	M1.61	1.45	M1.23	0.68	0.07	0.00	0.00	0.13	0.19	M0.40	0.07	8.49
0	M2.78	M4.38	M0.53	0.74	0.44	0.04	0.00	0.00	0.03	2.54	0.64	0.36	12.48
1	M1.91	M1.36	M1.43	1.12	0.00	0.00	0.00	0.00	0.20	0.23	M1.57	M4.04	11.86
2													
