



# Santa Barbara County - Flood Control District

130 East Victoria Street, Santa Barbara, CA 93101  
805.568.3440 - [www.countyofsb.org/pwd](http://www.countyofsb.org/pwd)

## Monthly and Yearly Rainfall Record

*(Monthly Depth Durations and Average Recurrence Intervals)*

Station: 230 Station Type: Alert, Data Logger w/TB & Standard Latitude: 343121 Longitude: 1194056  
Station Name: Gibraltar Dam Elevation (ft): 1500 Rainfall (in.)

WY	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	WY
1919-20	0.90	0.30	0.00	4.50	0.46	7.74	6.56	1.20	0.00	0.05	0.00	0.00	21.71
1920-21	0.00	0.70	1.92	1.59	8.88	2.65	2.66	0.35	3.57	0.00	0.00	0.00	22.32
1921-22	0.29	0.50	0.07	17.21	7.66	8.98	6.02	0.45	0.57	0.00	0.00	0.00	41.75
1922-23	0.00	0.44	3.43	10.25	3.37	1.68	0.09	2.98	0.00	0.12	0.00	0.00	22.36
1923-24	0.00	1.10	0.10	0.27	1.00	0.10	6.95	0.88	0.00	0.00	0.00	0.00	10.40
1924-25	0.00	0.73	0.96	1.78	0.40	1.67	5.82	3.50	2.42	0.13	0.00	0.00	17.41
1925-26	0.00	1.17	1.13	2.18	3.67	6.79	0.10	12.10	0.00	0.00	0.00	0.00	27.14
1926-27	0.00	0.02	7.90	0.95	2.02	13.47	2.79	1.11	0.00	0.00	0.00	0.00	28.26
1927-28	0.00	4.13	1.15	4.33	0.10	5.83	3.81	0.28	0.44	0.00	0.00	0.00	20.07
1928-29	0.00	0.00	3.93	6.26	2.14	2.28	2.81	2.00	0.00	0.20	0.00	0.00	19.62
1929-30	0.03	0.00	0.00	0.00	7.24	0.91	8.27	0.31	1.19	0.10	0.00	0.00	18.05
1930-31	0.00	0.00	2.49	0.00	5.03	3.44	0.00	2.82	2.91	0.00	0.00	0.65	17.34
1931-32	0.00	0.00	5.42	11.28	4.94	10.80	0.11	0.30	0.43	0.00	0.00	0.00	33.28
1932-33	0.00	0.16	0.00	0.81	14.39	0.00	0.26	0.09	0.00	0.72	0.00	0.00	16.43
1933-34	0.00	0.48	0.00	8.96	4.67	4.09	0.00	0.00	0.00	1.52	0.00	0.00	19.72
1934-35	0.00	2.71	2.85	5.26	7.83	1.18	5.09	4.54	0.07	0.00	0.00	0.17	29.70
1935-36	0.00	0.44	0.77	1.98	0.35	14.02	2.79	1.03	0.00	0.00	0.00	0.25	21.63
1936-37	0.00	0.62	0.00	13.67	5.00	7.58	9.17	0.10	0.00	0.00	0.00	0.00	36.14
1937-38	0.00	0.17	0.04	5.20	2.32	15.62	15.99	1.59	0.00	0.00	0.00	0.00	40.93
1938-39	0.37	0.22	0.12	7.10	4.73	1.93	5.65	0.06	0.27	0.00	0.00	0.00	20.45
1939-40	0.68	0.11	0.17	2.36	7.03	5.52	1.51	1.43	0.00	0.00	0.00	0.00	18.81
1940-41	0.00	0.88	0.44	11.16	9.31	18.62	17.97	8.26	0.07	0.00	0.00	0.00	66.71
1941-42	0.00	1.11	0.75	7.96	1.55	1.01	2.27	4.22	0.03	0.00	0.00	0.05	18.95
1942-43	0.00	0.92	0.30	1.56	21.90	6.72	5.03	1.06	0.00	0.00	0.00	0.00	37.49
1943-44	0.00	0.57	0.19	6.76	2.83	15.03	2.20	1.83	0.00	0.00	0.00	0.00	29.41
1944-45	0.00	0.00	5.57	1.54	0.70	7.61	5.59	0.06	0.00	0.00	0.00	0.00	21.07
1945-46	0.00	1.97	0.64	9.86	0.41	2.80	9.58	0.02	0.00	0.00	0.00	0.00	25.28
1946-47	0.00	0.18	8.15	4.36	0.42	0.82	1.96	0.14	0.07	0.00	0.00	0.00	16.10
1947-48	0.00	0.04	0.02	0.48	0.00	2.73	5.23	2.87	0.63	0.39	0.00	0.00	12.39
1948-49	0.00	0.09	0.00	4.88	2.22	1.22	4.88	0.19	1.61	0.01	0.00	0.00	15.10
1949-50	0.00	0.02	2.53	4.62	4.16	2.38	1.42	1.40	0.00	0.00	0.02	0.00	16.55
1950-51	0.29	1.48	2.28	0.64	2.27	1.33	1.56	1.50	0.01	0.00	0.00	0.00	11.36
1951-52	0.00	1.04	2.83	5.80	25.21	0.78	11.75	1.99	0.00	0.00	0.03	0.00	49.43
1952-53	0.00	0.08	4.85	8.06	1.32	0.00	0.19	1.28	0.37	0.23	0.00	0.00	16.38
1953-54	0.00	0.00	2.83	0.25	7.70	3.29	6.26	0.21	0.00	0.00	0.00	0.00	20.54
1954-55	0.00	0.00	3.27	3.17	6.39	2.69	0.75	4.64	0.54	0.00	0.00	0.07	21.52
1955-56	0.00	0.00	1.63	8.66	5.48	0.99	0.00	5.06	2.00	0.00	0.00	0.00	23.82
1956-57	0.00	0.08	0.00	0.38	8.60	4.39	0.67	3.34	1.31	0.04	0.04	0.00	18.85
1957-58	0.00	2.01	0.84	9.94	3.57	13.35	9.70	11.95	0.70	0.00	0.00	0.02	52.08
1958-59	0.61	0.00	0.13	0.05	5.75	10.48	0.00	0.57	0.02	0.00	0.00	0.00	17.61
1959-60	0.16	0.00	0.00	1.96	5.58	3.64	0.43	3.36	0.00	0.00	0.00	0.00	15.13
1960-61	0.00	0.09	7.37	0.63	2.67	0.02	0.85	0.47	0.00	0.00	0.00	0.00	12.10
1961-62	0.00	0.03	5.51	3.01	2.71	23.05	1.83	0.00	0.00	0.00	0.00	0.00	36.14
1962-63	0.00	0.30	0.00	0.30	1.96	6.90	5.25	3.12	0.28	0.44	0.00	0.00	18.55
1963-64	1.49	0.89	3.63	0.00	4.40	0.04	3.50	2.16	0.14	0.02	0.00	0.00	16.27
1964-65	0.00	1.15	4.18	5.21	0.93	0.37	2.87	7.94	0.11	0.00	0.00	0.00	22.76
1965-66	0.00	0.00	17.00	9.36	2.24	0.86	0.24	0.00	0.00	0.00	0.00	0.00	29.70
1966-67	0.00	0.04	7.48	9.38	8.22	0.00	6.86	7.15	0.06	0.00	0.00	0.00	39.19
1967-68	0.12	0.00	5.11	1.51	1.84	1.30	3.50	1.67	0.00	0.00	0.00	0.00	15.05
1968-69	0.00	1.19	1.07	2.22	31.18	18.23	1.67	2.81	0.00	0.00	0.00	0.00	58.37
1969-70	0.00	0.00	2.59	0.31	4.34	3.57	6.58	0.00	0.00	0.00	0.00	0.00	17.39
1970-71	0.00	0.08	9.38	8.87	1.10	1.64	0.00	0.94	0.47	0.00	0.00	0.00	22.48
1971-72	0.00	0.47	1.09	13.20	0.19	0.32	0.00	0.24	0.11	0.00	0.00	0.00	15.62
1972-73	0.00	0.55	9.10	1.06	8.38	14.89	4.27	0.00	0.00	0.00	0.00	0.00	38.25
1973-74	0.00	0.70	3.19	2.83	12.26	0.05	5.35	0.85	0.02	0.00	0.00	0.00	25.25
1974-75	0.00	0.89	0.06	9.53	0.35	5.62	8.96	2.13	0.08	0.00	0.00	0.01	27.63
1975-76	0.00	0.40	0.44	0.22	0.00	10.93	2.02	1.08	0.00	0.00	0.00	0.05	15.14
1976-77	4.28	0.25	0.44	0.83	5.42	0.26	2.89	0.00	5.19	0.00	0.00	0.38	19.94
1977-78	0.00	0.00	0.14	9.23	11.91	14.42	18.28	4.27	0.00	0.00	0.00	0.00	58.25
1978-79	1.63	0.00	2.76	2.51	8.49	6.08	7.26	0.00	0.00	0.00	0.00	0.00	28.73



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## Monthly and Yearly Rainfall Record

*(Monthly Depth Durations and Average Recurrence Intervals)*

Station: 230 Station Type: Alert, Data Logger w/TB & Standard

Latitude: 343121 Longitude: 1194056

Station Name: Gibraltar Dam

Elevation (ft): 1500

Rainfall (in.)

WY	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	WY
1979-80	1.01	0.58	0.96	2.02	8.13	17.69	4.39	1.10	0.24	0.00	0.00	0.00	36.12
1980-81	0.00	0.00	0.00	1.74	6.17	2.99	9.98	1.05	0.00	0.00	0.00	0.00	21.93
1981-82	0.00	0.38	2.57	0.47	6.14	0.65	7.55	5.02	0.05	0.00	0.00	0.00	22.83
1982-83	1.70	1.30	7.87	5.62	15.07	8.47	15.11	8.86	0.00	0.20	0.00	0.79	64.99
1983-84	0.59	5.46	4.18	6.75	0.25	0.18	0.95	0.24	0.00	0.00	0.00	0.07	18.67
1984-85	0.23	0.49	4.09	7.05	1.17	1.16	2.65	0.14	0.00	0.00	0.00	0.00	16.98
1985-86	0.05	0.36	6.32	1.02	3.63	11.33	6.70	1.04	0.00	0.00	0.00	0.00	30.45
1986-87	0.84	0.00	0.91	0.42	2.61	2.02	5.16	0.07	0.00	0.20	0.00	0.00	12.23
1987-88	0.00	1.71	1.41	4.97	5.19	4.12	1.97	5.30	0.13	0.05	0.00	0.00	24.85
1988-89	0.00	0.00	1.04	5.88	0.36	5.38	1.39	0.00	0.60	0.00	0.00	0.00	14.65
1989-90	0.24	0.68	0.51	0.00	6.03	3.34	0.04	0.24	0.75	0.00	0.00	0.00	11.83
1990-91	0.00	0.00	0.26	0.18	1.71	4.88	22.76	0.00	0.00	0.21	0.00	0.00	30.00
1991-92	0.00	0.33	0.13	6.54	4.72	19.42	6.89	0.04	0.16	0.00	0.00	0.00	38.23
1992-93	0.00	1.78	0.00	8.17	14.30	16.43	8.12	0.00	0.34	0.47	0.00	0.00	49.61
1993-94	0.00	0.19	1.51	2.92	1.74	10.46	2.83	0.65	0.48	0.00	0.00	0.00	20.78
1994-95	0.09	2.19	1.29	1.54	34.46	3.39	13.97	0.33	1.64	0.02	0.00	0.00	58.92
1995-96	0.00	0.00	0.18	2.85	2.93	10.30	2.21	1.00	0.39	0.00	0.00	0.00	19.86
1996-97	0.00	7.05	1.89	7.81	7.45	0.13	0.00	0.00	0.00	0.00	0.04	0.00	24.37
1997-98	0.09	0.00	5.48	10.17	6.81	34.90	4.59	4.43	6.62	0.03	0.00	0.00	73.12
1998-99	0.55	0.13	1.22	0.65	4.25	2.26	4.97	3.13	0.00	0.05	0.24	0.00	17.45
1999-00	0.02	0.00	1.82	0.00	2.35	18.05	4.49	6.27	0.00	0.19	0.00	0.01	33.20
2000-01	0.00	4.04	0.00	0.15	11.24	8.85	13.67	2.97	0.01	0.00	0.00	0.00	40.93
2001-02	0.00	0.65	4.48	2.90	1.03	0.33	0.84	0.08	0.09	0.00	0.00	0.00	10.40
2002-03	0.06	0.00	4.61	6.45	0.12	5.26	4.43	3.87	2.82	0.00	0.06	0.00	27.68
2003-04	0.00	0.00	2.29	3.10	0.39	8.56	0.40	0.00	0.00	0.00	0.00	0.00	14.74
2004-05	0.00	8.39	0.46	17.37	21.45	15.66	3.35	1.04	1.34	0.05	0.00	0.00	69.11
2005-06	0.14	0.59	1.38	0.66	9.61	5.33	5.35	8.12	1.27	0.00	0.00	0.00	32.45
2006-07	0.00	0.37	0.23	1.63	2.62	3.40	0.16	0.81	0.00	0.00	0.00	0.02	9.24
2007-08	0.79	0.37	0.10	4.32	23.40	3.04	0.00	0.15	0.27	0.00	0.00	0.00	32.44
2008-09	0.00	0.04	2.04	3.78	0.81	7.22	0.95	0.33	0.02	0.08	0.00	0.00	15.27
2009-10	0.00	5.55	0.00	4.83	11.08	6.40	0.65	4.84	0.07	0.00	0.02	0.00	33.44
2010-11	0.00	1.86	2.04	13.02	1.90	4.81	13.70	0.14	1.03	0.49	0.00	0.00	38.99
2011-12	0.04	0.67	2.74	0.32	1.12	0.37	5.49	2.79	0.00	0.00	0.00	0.00	13.54
2012-13	0.06	0.32	2.40	2.52	1.30	0.29	0.81	0.22	0.58	0.00	0.00	0.00	8.50
2013-14	0.00	0.06	1.13	0.26	0.00	4.61	4.38	0.80	0.59	0.00	0.00	0.05	11.88
2014-15	0.00	0.00	1.13	7.60	0.88	0.75	0.63	0.39	0.57	0.95	0.21	0.00	13.11
2015-16	0.13	0.22	0.33	0.70	4.88	2.28	4.17	0.25	0.12	0.00	0.00	0.00	13.08
2016-17	0.00	1.12	1.27	3.18	10.42	13.19	1.18	0.36	0.43	0.00	0.00	0.00	31.15
2017-18	0.24	0.00	0.09	0.00	3.75	0.37	6.79	0.16	0.30	0.00	0.00	0.00	11.70
2018-19	0.00	0.18	4.11	0.84	10.97	11.88	4.73	0.13	1.92	0.04	0.00	0.00	34.80
2019-20	0.00	0.00	1.75	7.38	0.48	0.48	8.83	5.50	0.08	0.01	0.00	0.00	24.51



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*(Monthly Depth Durations and Average Recurrence Intervals)*

Station: 230 Station Type: Alert, Data Logger w/TB & Standard Latitude: 343121 Longitude: 1194056  
 Station Name: **Gibraltar Dam** Elevation (ft): 1500 Rainfall (in.)

WY	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	WY
Mean	0.18	0.78	2.24	4.32	5.64	5.99	4.59	1.96	0.48	0.07	0.01	0.03	26.28
Max	4.28	8.39	17.00	17.37	34.46	34.90	22.76	12.10	6.62	1.52	0.24	0.79	73.12
StdDev	0.53	1.43	2.76	4.08	6.44	6.31	4.55	2.57	1.04	0.21	0.03	0.11	14.08
Yrs of Recd	101	101	101	101	101	101	101	101	101	101	101	101	101

**Average Recurrence Intervals (in Years)**

2	0.00	0.50	1.71	3.74	4.37	4.93	3.87	1.37	0.16	0.00	0.00	0.00	24.20
5	0.30	1.42	3.88	7.07	9.10	10.44	7.58	3.39	0.90	0.13	0.01	0.04	34.95
10	0.66	2.09	5.34	9.18	12.40	13.94	9.93	4.83	1.56	0.29	0.03	0.11	41.77
25	1.23	2.96	7.16	11.71	16.62	18.22	12.81	6.70	2.48	0.53	0.06	0.25	50.10
50	1.71	3.62	8.48	13.53	19.77	21.36	14.92	8.07	3.20	0.72	0.09	0.37	56.23
100	2.20	4.26	9.79	15.27	22.87	24.33	16.92	9.43	3.94	0.93	0.12	0.50	62.01
200	2.72	4.91	11.09	16.97	25.91	27.24	18.87	10.80	4.69	1.14	0.15	0.64	67.67
500	3.76	5.99	13.12	19.44	30.94	31.51	21.75	13.06	5.98	1.57	0.21	0.93	76.00