

**Monthly rainfall totals at Half Moon Bay, San Mateo County, California**  
**Latitude N37.4725, Longitude W122.4433, Elevation 36 feet amsl**

**NOAA NCDC Station 43714**

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL	% of MEAN
1948				0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00	0.00	0.04	incomplete	--
1949	0.55	0.66	4.99	1.73	3.91	4.96	0.00	0.41	0.00	0.00	0.17	0.00 n	17.38	66%
1950	0.00 c	0.00 z	0.00 z	0.00 z	2.24 d	1.34	2.12	0.37	0.14	0.00	0.00	0.08	incomplete	--
1951	1.95	5.46	6.01	5.11	2.98	2.84	0.91	0.98	0.17	0.12	0.00	0.28	26.81	102%
1952	1.16	4.15	11.30	9.31	2.20	6.21	0.62	0.45	1.14	0.03	0.00	0.15	36.72	139%
1953	0.27	2.66	11.36	4.55	0.09 o	0.00 z	3.17 f	0.60	0.56	0.00	0.53	0.12	incomplete	--
1954	0.67	3.33	1.04	4.18	2.58	5.03	1.49	0.06	0.64	0.10	0.55	0.08	19.75	75%
1955	0.23	1.96	4.53	5.06	1.37	0.28	2.50	0.36	0.07	0.17	0.12	0.28	16.93	64%
1956	0.21	2.32	13.81	11.38	2.81	0.00	1.88	1.37	0.07	0.25	0.45	0.45	35	133%
1957	1.75	0.00	0.57	3.31	4.42	5.98	1.65	4.10	0.08	0.00	0.08	1.08	23.02	87%
1958	3.17	1.78	3.88	6.23	10.79	9.38	5.83	0.68	0.71	0.38	0.00	0.18	43.01	163%
1959	0.27	0.50	1.89	5.07	5.64	0.64	0.42	0.36	0.00	0.00	0.21	3.66	18.66	71%
1960	0.40	0.00	1.97	5.29	4.66	1.90	1.27	0.71	0.00	0.00	0.00	0.00	16.2	62%
1961	0.88	5.12	1.70	2.98 a	1.89	3.25	1.06	1.73	0.22	0.00	0.10	0.57	19.5	74%
1962	0.12	3.66	3.18	2.09	8.64	3.52	0.82	0.24	0.00	0.00	0.29	0.51	23.07	88%
1963	10.97	0.60	3.57	3.44	3.65	4.33	5.08	0.64	0.00	0.00	0.03	0.09	32.4	123%
1964	2.48	4.00	1.04	5.32	0.52	2.46	0.23	0.47	0.58	0.00	0.00	0.00	17.1	65%
1965	1.89	3.11	7.50	4.41	1.40	1.58	5.22	0.00	0.06	0.00	0.23	0.00	25.4	96%
1966	0.00	5.58	4.96	3.77	3.51	0.68	0.71	0.20	0.00	0.12	0.27	0.25	20.05	76%
1967	0.00	5.18	3.62	10.44	0.25	6.18	7.43	0.25	1.44	0.00	0.00	0.00	34.79	132%
1968	0.76	2.13	2.89	6.19	2.62	5.78	0.61	0.24	0.00	0.00	0.28	0.00	21.5	82%
1969	0.65	2.69	5.90	8.06	8.68	2.07	2.76	0.06	0.40	0.00	0.00	0.21	31.48	120%
1970	1.73	0.76	4.55	8.49	2.31	2.04	0.32	0.27	0.21	0.00	0.00	0.00	20.68	79%
1971	0.90	8.41	7.67	1.61	0.76	3.49	1.51	0.53	0.08	0.28	0.36	0.40	26	99%
1972	0.23	2.29	5.10	1.27	1.33	0.19	1.25	0.11	0.28	0.00	0.00	0.98	13.03	49%
1973	6.90	6.49	3.17	8.78	7.33	0.00 z	0.23	0.21	0.05	0.00	0.09	0.62	incomplete	--
1974	3.04	9.50	6.32	4.87	2.16	7.20	3.22	0.01	0.50	1.01	0.13	0.00	37.96	144%
1975	1.36	0.64	3.64	2.95	4.88	7.11	2.14	0.10	0.28	0.52	0.59	0.02	24.23	92%
1976	4.49	0.85	0.69	0.52	2.54	1.13	2.04	0.13	0.04	0.14	1.56	0.59	14.72	56%
1977	0.30	1.73	2.41	2.26	1.31	3.15	0.20	1.23	0.00	0.16	0.27	1.59	14.61	55%
1978	0.47	3.37	5.60	9.01	5.62	5.58	4.50	0.00	0.00	0.00	0.00	0.00	34.15	130%
1979	0.05	3.04	0.83	8.11	6.27	4.83	0.89	0.85	0.00	0.29	0.13	0.00	25.29	96%
1980	3.23	3.97	5.76	5.40	7.49	1.90	1.88	0.32	0.03	0.07	0.05	0.18	30.28	115%
1981	0.18	0.65	2.44	7.48	2.42	4.71	0.24	0.33	0.00	0.00	0.42	0.37	19.24	73%
1982	3.98	7.08	6.00	12.01	5.11	7.91	5.02	0.00	0.42	0.00	0.15	1.73	49.41	188%
1983	3.82	7.03	5.41	8.98	9.14 b	13.05 a	3.33	0.89	0.03	0.00	0.14	0.80	52.62	200%
1984	1.12	8.07 b	9.46 a	0.26	2.15	2.12 a	1.09	0.20	0.46	0.06	0.33	0.18	25.50	97%
1985	3.81	9.86	3.20	1.02	2.90	5.07	0.13	0.32	0.47	0.31	0.05	0.40	27.54	105%
1986	1.51	0.00 z	3.18	4.98	11.48	7.12	0.50	0.84	0.09	0.08	0.25	2.20	incomplete	--
1987	0.42	0.32	3.10	5.10	3.87	4.16	0.95	0.06	0.08	0.00	0.10	0.00	18.16	69%
1988	2.13 b	2.63	6.03	4.48	0.58	0.12	3.04	0.69	0.29	0.15 j	0.01	0.02	20.17	77%
1989	0.94	3.55	5.17	2.01	1.30	7.95	1.83	0.31	0.10	0.13 b	0.27 a	0.95 a	24.51	93%
1990	2.05	1.95	0.03	4.29 a	2.52 a	1.33	0.29	2.82	0.46	0.24	0.14	0.33	16.45	62%
1991	0.55	0.74	2.58	0.56	4.19	8.81	0.90	0.67	0.32	0.27	0.92	0.25	20.76	79%
1992	2.63 a	1.01 a	3.60	3.18	8.70	3.45	0.40	0.06	0.84	0.02	0.18	0.12	24.19	92%
1993	2.88	0.67	8.10	9.21 a	5.59	2.79	1.68	1.38	0.48 c	0.06	0.17 f	0.21 c	33.22	126%
1994	0.62 b	1.55 g	2.77 b	2.63 b	5.61 a	0.77 b	1.85 f	1.64 d	0.11	0.13	0.17	0.09	incomplete	--
1995	0.08	5.34 a	3.93	11.38	0.26	8.71	2.35	1.54	0.78	0.05	0.05	0.15	34.62	131%
1996	0.07	0.30	8.25	8.27	7.05	3.34	1.98	2.16	0.13	0.06	0.07	0.20	31.88	121%
1997	1.47	2.71	8.83	9.86	0.29	0.59	0.96	0.44	0.57	0.13	0.77	0.08	26.7	101%
1998	0.77	7.84	3.65	12.13	15.70	2.58	2.73	4.01	0.30	0.18	0.06	0.25	50.2	191%
1999	0.99	3.75	2.12	6.40	7.60	4.82	2.73	0.12	0.46	0.05	0.34	0.21	29.59	112%
2000	0.82	2.94	0.93	7.53	11.27	2.45	3.10	1.72	0.18	0.26	0.19	0.41	31.8	121%
2001	3.74	1.30	0.69	5.75	6.44	1.67	2.19	0.02 n	0.12 b	0.28	0.39	0.26	22.85	87%
2002	0.47	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.18 a	0.21 c	0.17 b	incomplete	--
2003	0.17 f	2.70 d	9.00 m	1.34 e	3.46 j	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.25 d	incomplete	--
2004	0.22	2.27 a	8.81	3.33	6.37	1.39	0.31	0.15	0.05	0.34	0.33 a	0.29	23.86	91%
2005	4.60	1.38	8.66 a	6.11	5.28	5.52	1.69	2.32	1.31	0.23	0.04	0.15	37.29	142%
2006	0.57	1.89	9.94	4.68	2.64	9.50	5.37	0.50	0.07	0.15	0.00	0.07	35.38	134%
2007	0.54	2.38	4.26	1.43	6.03	0.91	1.96	0.46	0.1	0.38	0.06	0.27	18.78	71%
2008	2.17	1.08	3.72	8.64	3.62	0.35	0.17	0.11	0.08	0.17	0.23	0.07	20.41	78%
2009	0.42	2.66	2.65	1.17	8.76	2.66	0.41	1.39	0.15	0.21	0.17	0.53	21.18	80%
2010	3.05	0.44	2.66	6.40	3.41	2.33	3.59	2.06	0.49	0	0.28	0.30	25.01	95%
2011	1.10	2.95	7.71	5.56	4.86	4.37	1.77	0.82	0.25	0.14	0.25	0.42	30.2	115%
2012	1.82	3.51	4.10										9.43	36%
Mean	1.60	3.08	4.65	5.37	4.53	3.82	1.89	0.77	0.28	0.13	0.21	0.38	26.33	101%
Cumulative	1.60	4.68	9.33	14.69	19.22	23.05	24.94	25.70	25.98	26.11	26.32	26.70	--	--
Maximum	10.97	9.86	13.81	12.13	15.70	13.05	7.43	4.10	1.44	1.01	1.56	3.66	52.62	--
Minimum	0.00	0.00	0.03	0.26	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.43	--
Sta. Dev.	1.873	2.455	3.004	3.149	3.243	2.864	1.653	0.896	0.324	0.169	0.261	0.596	9.260	--
Skew	2.596	1.091	0.869	0.364	1.063	0.888	1.318	2.081	1.751	2.711	2.849	3.548	0.896	--
Kurtosis	9.675	0.577	0.497	-0.675	1.251	0.568	1.531	4.746	3.268	11.355	11.524	15.456	0.775	--
Sample Size	60	60	61	61	60	59	59	60	61	62	62	63	57	53

Notes: a = 1 day missing, b = 2 days missing, c = 3 days, ...etc., z = 26 or more days missing

Individual months not used for annual or monthly statistics if more than 5 days are missing.

Data can be retrieved at UC Integrated Pest Management Program website (<http://www.ipm.ucdavis.edu/calludt.cgi/WXSTATIONDATA?MAP=&STN=HALFMOON.C>)

Multi-year droughts highlighted in yellow