USGS *U.S. Geological Survey*

California Earthquake History 1769-Present

Includes California, Baja California, and Nevada events

The **magnitude** listed here is the "summary magnitude". For most events prior to 1898 this is the adjusted intensity magnitude, and for events after 1898 it is the surface wave magnitude. The list includes known earthquakes with a magnitude of at least 6 and selected smaller events. The smaller events since 1898 all have at least one reported magnitude of at least 5.8, even if the summary magnitude is smaller. Some of these magnitudes may be different than what is reported in the Southern California or Northern California Earthquake Catalog. In the future, we will adjust some of these magnitudes to reflect the best measure of the earthquake and label the type of magnitude being reported.

The **date and time** for each earthquake are given as "24 hour" time referenced to Greenwich Mean Time (now UTC). To convert a time to Pacific Standard Time (PST), subtract 8 hours. To convert a time to Pacific Daylight Time (PDT), where appropriate, subtract 7 hours. **Example:** The 1989 Loma Prieta earthquake occurred at 00:04 UTC on October 18, 1989 or 5:04pm PDT on October 17, 1989.

Source:
Ellsworth, William L., "Earthquake History, 1769-1989" in USGS Professional Paper 1515, Robert E. Wallace, ed.,1990; William Ellsworth, personal communication; and USGS earthquake catalogs.

DATE year	mth	dy	TIME(GMT) hr	min	LATITUDE (N)	LONGITUDE (W)	MAG	LOCATION
1769	7	28	0	0	34 0.00	118 0.00	6.0	Los Angeles Basin
1800	11	22	21	30	33 0.	117 18.00	6.5	San Diego region
1808	6	24	0	0	37 48.00	122 30.00	6.0	San Francisco region
1812	12	8	15	0	34 22.00	117 39.00	7.0	Wrightwood
1812	12	21	19	0	34 12.00	119 54.00	7.0	Santa Barbara Channel
1827	9	24	4	0	34 0.	119 0.	5.5	Los Angeles region
1836	6	10	15	30	37 48.00	122 12.00	6.75	Hayward Valley
1838	6	0	0	0	37 36.00	122 24.00	7.0	San Francisco Peninsula
1852	11	29	20	0	32 30.00	115 0.	6.5	Volcano Lake, B.C.
1855	7	11		415	34 6.00	118 6.00	6.0	Los Angeles region
1856	2	15	13	25	37 30.00	122 18.00	5.5	San Francisco Peninsula
1857	1	9	16	0	35 42.00	120 18.00	8.25	Great Fort Tejon earthquake
1857	9	3	3	5	39 18.00	120 0.	6.25	W. Nevada or E. Sierra Nevada
1858	11	26		835	37 30.00	121 54.00	6.25	San Jose region
1858	12	16	10	0	34 0.	117 30.00	6.0	San Bernardino region
1860	3	15	19	0	39 30.00	119 30.00	6.5	Carson City, Nevada region
1861	7	4		011	37 48.00	122 0.	5.75	San Ramon Valley
1862	5	27	20	0	32 42.00	117 12.00	6.0	San Diego region
1864	2	26	13	47	37 6.00	121 42.00	6.0	S. Santa Cruz Mountains
1864	3	5	16	49	37 42.00	122 0.	5.75	E. of San Francisco Bay
1865	10	8	20	46	37 0.00	122 00.00	6.5	S. Santa Cruz Mountains
1866	7	15	06	30	37 30.00	121 18.00	6.0	W. San Joaquin Valley
1868	5	30		510	39 18.00	119 42.00	6.0	Virginia City, Nevada
1868	10	21	15	53	37 42.00	122 6.00	7.0	Hayward fault

1869	12	27	155	39	24.00	119	42.00	6.25	Olinghouse fault, Nevada
1869	12	27	10 0	39	6.00	119	48.00	6.0	Carson City, Nevada region
1870	2	17	2012	37	12.00	122	6.00	6.0	Los Gatos
1871	3	2	21 5	40	24.00	124	12.00	6.0	Cape Mendocino
1872	3	26	1030	36	42.00	118	6.00	7.6	Owens Valley
1872	3	26	14 6	36	54.00	118	12.00	6.75	Owens Valley
1872	4	3	1215	37	0.	118	12.00	6.25	Owens Valley
1872	4	11	19 0	37	30.00	118	30.00	6.75	Owens Valley
1872	5	3	1 0	33	0.	115	0.	5.75	Imperial Valley (?)
1872	11	12	0 0	39	0.	117	0.	6.0	Austin, Nevada region (?)
1873	11	23	5 0	42	0.	124	0.	6.75	Crescent City
1875	1	24	1200	40	42.	120	30.	6.0	Honey Lake
1875	11	15	2230	32	30.00	115	30.00	6.25	Imperial Vly to Colorado R. delta
1878	5	9	425	40	6.00	124	0.	6.0	Punta Gorda region
1881	2	2	011	36	0.	120	30.00	5.75	Parkfield
1881	4	10	10 0	37	24.00	121	24.00	6.0	W. San Joaquin Valley
1882	3	6	2145	36	54.	121	12.	5.75	Hollister
1883	9	5	1230	34	12.00	119	54.00	6.25	Santa Barbara Channel
1884	1	28	730	41	6.	123	36.	5.75	Klamath Mountains
1884	3	26	40	37	6.	122	12.	6.0	Santa Cruz Mountains
1885	1	31	545	40	24.	120	36.	5.75	Susanville
1885	4	12	4 5	36	24.00	121	0.	6.25	S. Diablo Range
1887	6	3	1048	39	12.00	119	48.00	6.5	Carson City, Neveda region
1888	4	29	448	39	42.00	120	42.00	6.0	Mohawk Valley
1889	5	19	1110	38	0.	121	54.00	6.25	Antioch
1889	6	20	6 0	40	30.00	120	42.00	6.0	Susanville
1889	9	30	520	37	12.	118	42.	5.75	Bishop region
1890	2	9	12 6	33	24.00	116	18.00	6.5	San Jacinto or Elsinore fault region
1890	4	24	1136	36	54.00	121	36.00	6.25	Pajaro Gap
1890	7	26	940	40	30.00	124	12.00	6.25	Cape Mendocino
1891	7	30	1410	32	0.	115	0.	6.0	Colorado R. delta region
1892	2	24	720	32	33.00	115	38.00	7.0	Laguna Salada, B.C.
1892	4	19	1050	38	24.00	122	0.	6.5	Vacaville
1892	4	21	1743	38	30.00	121	54.00	6.25	Winters
1892	5	28	1115	33	12.00	116	12.00	6.5	San Jacinto or Elsinore fault region
1892	11	13	1245	36	48.00	121	30.00	5.75	Hollister
1893	5	19	035	34	6.00	119	24.00	5.75	Pico Canyon
1894	7	30	512	34	18.00	117	36.00	6.0	Lytle Creek region
1894	9	30	1736	40	18.	123	42.	6.0	Cape Mendocino region
1894	10	23	23 3	32	48.00	116	48.00	5.75	E. of San Diego
1896	8	17	1130	36	42.00	118	18.00	6.0	SE Sierra Nevada
1897	6	20	2014	37	0.	121	30.00	6.25	Gilroy
1898	3	31	743	38	12.00	122	24.00	6.5	Mare Island
1898	4	15	7 7	39	12.00	123	48.00	6.5	Mendocino
1899	4	16	1340	41	0.	126	0.	7.0	W. of Eureka
1899	7	6	2010	37	12.	121	30.	5.75	Morgan Hill
1899	7	22	2032	34	18.00	117	30.00	5.75	Lytle Creek region
1899	12	25	1225	33	48.00	117	0.	6.4	San Jacinto and Hemet
1901	3	3	745	36	0.	120	30.00	6.4	Parkfield
1903	1	24	527	31	30.00	115	0.00	6.6	Colorado R. delta region
1903	6	11	1312	37	24.00	121	54.00	5.5	San Jose
1903	8	3	649	37	18.00	121	48.00	5.5	San Jose
1906	4	18	1312	37	42.00	122	30.00	8.25	Great 1906 earthquake
1906	4	19	030	32	54.00	115	30.00	6.2	Imperial Valley
1906	4	23	910	41	0.	124	0.	6.4	Arcata
1907	9	20	154	34	12.00	117	6.00	5.3	San Bernardino region
1908	11	4	837	36	0.	117	0.	6.0	Death Valley region

1909	10	29	645	40	30.00	124	12.00	5.8	Cape Mendocino
1910	3	11	652	36	54.00	121	48.00	5.8	Watsonville
1910	3	19	011	40	0.	125	0.	6.0	W. of Cape Mendocino
1910	5	15	1547	33	42.00	117	24.00	5.5	Glen Ivy Hot Springs
1910	8	5	131	42	0.	127	0.	6.6	W. of Crescent City
1911	7	1	22 0	37	15.00	121	45.00	6.5	Calaveras fault
1914	2	18	1817	39	30.00	119	48.00	5.5	Truckee region
1914	4	24	834	39	30.00	119	48.00	6.0	Truckee region
1915	5	6	12 9	40	0.00	126	0.	6.2	W. of Cape Mendocino
1915	6	23	359	32	48.00	115	30.00	6.0	Imperial Valley
1915	6	23	456	32	48.00	115	30.00	5.9	Imperial Valley
1915	10	3	652	40	30.00	117	30.00	7.3	Pleasant Valley, Nevada
1915	11	21	013	32	0.	115	0.	7.1	Volcano Lake, B.C.
1915	12	31	1220	41	0.	126	0.	6.5	W. of Eureka
1916	2	3	5 3	41	0.	117	48.00	5.9	N. of Pleasant Valley, Nevada
1916	10	23	244	34	54.00	118	54.00	5.3	Tejon Pass region
1916	11	10	911	35	30.00	116	0.	6.1	S. of Death Valley
1918	4	21	2232	33	48.00	117	0.	6.9	San Jacinto
1918	7	15	023	41	0.	125	0.	6.5	W. of Eureka
1922	1	26	931	41	0.	126	0.	6.0	W. of Eureka
1922	1	31	1317	41	0.	125	30.00	7.3	W. of Eureka
1922	3	10	1121	36	0.	120	30.00	6.3	Parkfield
1923	1	22	9 4	40	30.00	124	30.00	7.2	Cape Mendocino
1923	7	23	730	34	0.	117	18.00	6.0	San Bernardino region
1925	6	4	12 2	41	30.00	125	0.	6.0	W. of Eureka
1925	6	29	1442	34	18.00	119	48.00	6.3	Santa Barbara
1926	10	22	1235	36	37.00	122	21.00	6.1	Monterey Bay
1926	10	22	1335	36	33.00	122	11.00	6.1	Monterey Bay
1926	12	10	838	40	45.00	126	0.	6.0	W. of Cape Mendocino
1927	9	18	2 7	37	30.00	118	45.00	6.0	Bishop region
1927	11	4	1350	34	42.00	120	48.00	7.3	SW of Lompoc
1932	6	6	844	40	45.00	124	30.00	6.4	Eureka
1932	12	21	610	38	45.00	118	0.	7.2	Cedar Mountain, Nevada
1933	1	5	651	38	46.00	117	44.00	5.9	Cedar Mountain, Nevada
1933	3	11	154	33	37.00	117	58.00	6.3	Long Beach
1933	6	25	2045	39	4.00	119	20.00	6.1	Yerington, Nevada
1934	1	30	2016	38	18.00	118	24.00	6.3	Excelsior Mountain, Nevada
1934	6	8	447	36	0.	120	30.00	6.0	Parkfield
1934	7	6	2248	41	15.00	125	45.00	6.5	W. of Eureka
1934	12	30	1352	32	15.00	115	30.00	6.5	Laguna Salada, B.C.
1934	12	31	1845	32	0.	114	45.00	7.0	Colorado R. delta
1935	2	24	145	31	59.00	115	12.00	5.3	Colorado R. delta
1936	6	3	915	40	0.	125	30.00	5.9	W. of Cape Mendocino
1937	3	25	1649	33	24.00	116	16.00	6.0	Buck Ridge
1940	2	8	8 5	39	45.00	121	15.00	6.0	Chico
1940	5	19	436	32	44.00	115	30.00	7.1	Imperial Valley
1940	12	7	2216	31	40.00	115	5.00	5.5	Colorado R. delta
1941	2	9	944	40	42.00	125	24.00	6.6	W. of Cape Mendocino
1941	4	9	1708	31	0.00	114	0.00	5.3	Gulf of California
1941	5	13	16 1	40	18.00	126	24.00	6.0	W. of Cape Mendocino
1941	7	1	750	34	22.00	119	35.00	5.9	Carpenteria
1941	9	14	1643	37	34.00	118	44.00	5.8	Tom's Place
1941	9	14	1839	37	34.00	118	44.00	6.0	Tom's Place
1941	10	3	1613	40	24.00	124	48.00	6.4	W. of Cape Mendocino
1942	10	21	1622	33	3.00	116	5.	6.5	Fish Creek Mountains
1942	12	3	944	39	42.00	119	18.00	5.9	N. of Wadsworth, Nevada
1945	5	19	15 7	40	24.00	126	54.00	6.2	W. of Cape Mendocino
1945	9	28	2224	41	54.00	126	42.00	6.0	W. of Crescent City

1946	3	15	1349	35	44.00	118	3.00	6.3	Walker Pass
1947	4	10	1558	34	59.00	116	33.00	6.4	Manix
1948	12	4	2343	33	56.00	116	23.00	6.5	Desert Hot Springs
1948	12	29	1253	39	33.00	120	5.00	6.0	Verdi, Nevada
1949	3	25	456	41	18.00	126	0.	6.2	W. of Eureka
1949	5	2	1125	34	1.	115	41.00	5.9	Pinto Mountain
1951	10	8	410	40	15.00	124	30.00	6.0	W. Of Cape Mendocino
1951	12	26	046	32	48.00	118	18.00	5.9	San Clemente Island
1952	7	21	1152	35	0.	119	1.00	7.7	Kern County earthquake
1952	7	21	12 5	35	0.	119	0.	6.4	Kern County
1952	7	23	038	35	22.00	118	35.00	6.1	Kern County
1952	7	29	7 3	35	23.00	118	51.00	6.1	Bakersfield
1952	11	22	746	35	44.00	121	12.00	6.0	Bryson
1954	1	12	2333	35	0.	119	1.00	5.9	W. of Wheeler Ridge
1954	3	19	954	33	17.00	116	11.00	6.2	Arroyo Salada
1954	7	6	1113	39	25.00	118	32.00	6.6	Rainbow Mountain, Nevada
1954	7	6	22 7	39	18.00	118	30.00	6.4	Rainbow Mountain, Nevada
1954	8	24	551	39	35.00	118	27.00	6.8	Stillwater, Nevada
1954	8	31	2220	39	30.00	118	30.00	6.3	Stillwater, Nevada
1954	10	24	944	31	30.00	116	0.	6.0	W. of Santo Tomas, B.C.
1954	11	12	1226	31	30.00	116	0.	6.3	W. of Santo Tomas, B.C.
1954	11	25	1116	40	16.00	125	38.00	6.5	W. of Cape Mendocino
1954	12	16	11 7	39	19.00	118	12.00	7.1	Fairview Peak, Nevada
1954	12	16	1111	39	30.00	118	0.	6.8	Dixie Valley, Nevada
1954	12	21	1956	40	56.00	123	47.00	6.6	E. of Arcata
1956	2	9	1432	31	45.00	115	55.00	6.8	San Miguel, B.C.
1956	2	9	1524	31	45.00	115	55.00	6.1	San Miguel, B.C.
1956	2	14	1833	31	30.00	115	30.00	6.3	San Miguel, B.C.
1956	2	15	120	31	30.00	115	30.00	6.4	San Miguel, B.C.
1956	10	11	1648	40	40.00	125	46.00	6.0	W. of Cape Mendocino
1956	12	13	1315	31	0.	115	0.	6.0	W. shore, Gulf of California
1959	3	23	710	39	36.00	118	1.00	6.3	Dixie Valley, Nevada
1959	6	23	1435	39	5.00	118	49.00	6.1	Schurz, Nevada
1960	8	9	739	40	19.00	127	4.00	6.2	W. of Cape Mendocino
1966	6	28	426	36	0.	120	30.00	6.0	Parkfield
1966	8	7	1736	31	48.00	114	30.00	6.3	Gulf of California
1966	9	12	1641	39	25.00	120	9.00	6.0	Truckee
1968	4	9	228	33	11.00	116	8.00	6.5	Borrego Mountain
1968	6	26	142	40	14.00	124	16.00	5.4	Punta Gorda
1971	2	9	14 0	34	25.00	118	24.00	6.5	San Fernando
1973	2	21	1445	34	4.00	119	2.00	5.2	Point Mugu
1976	11	26	1119	41	18.00	125	42.00	6.3	W. of Orick
1979	8	6	17 5	37	7.00	121	31.00	5.7	Coyote Lake
1979	10	15	2316	32	36.00	115	18.00	6.5	Imperial Valley
1980	01	24	1900	37	50.00	121	47.00	5.8	Livermore
1980	5	25	1633	37	36.00	118	50.00	6.1	Mammoth Lakes
1980	5	25	1649	37	39.00	118	54.00	5.9	Mammoth Lakes
1980	5	25	1944	37	33.00	118	49.00	5.8	Mammoth Lakes
1980	5	27	1450	37	29.00	118	48.00	6.0	Mammoth Lakes
1980	6	9	328	32	12.00	115	5.00	6.4	Victoria, B.C.
1980	11	8	1027	41	7.00	124	40.00	7.2	W. of Eureka
1981	4	26	1209	33	8.00	115	39.00	6.0	Westmorland
1981	9	4	1550	33	40.00	119	7.00	5.9	N. of Santa Barbara Island
1981	9	30	1153	37	35.00	118	52.00	5.8	Mammoth Lakes
1983	5	2	2342	36	14.00	120	19.00	6.5	Coalinga
1983	7	22	239	36	14.00	120	25.00	5.7	Coalinga
1984	4	24	2115	37	19.00	121	39.00	6.1	Morgan Hill

1984	9	10	314	40	23.00	127	9.00	6.7	Mendocino Fracture Zone
1984	11	23	18 8	37	27.00	118	36.00	5.7	Round Valley
1985	8	4	12 1	36	8.00	120	10.00	5.9	North Kettleman Hills
1986	7	8	920	34	0.	116	36.00	6.0	North Palm Springs
1986	7	20	1429	37	34.00	118	26.00	5.6	Chalfant Valley
1986	7	21	1442	37	32.00	118	26.00	6.2	Chalfant Valley
1986	7	31	722	37	28.00	118	22.00	5.2	Chalfant Valley
1987	10	1	1442	34	3.00	118	5.00	5.8	Whittier Narrows
1987	11	24	153	33	4.00	115	47.00	6.2	Elmore Ranch fault
1987	11	24	1316	33	1.00	115	51.00	6.6	Superstition Hills
1989	10	18	0004	37	2.19	121	52.98	7.1	Loma Prieta
1991	8	16	2226	41	38.00	125	52.00	6.3	W. of Crescent City
1991	8	17	1929	40	17.00	124	14.00	6.2	Punta Gorda
1991	8	17	2217	41	41.00	126	3.00	7.1	W. of Crescent City
1992	4	23	450	33	58.00	116	19.00	6.1	Joshua Tree
1992	4	25	1806	40	20.00	124	14.00	7.2	Cape Mendocino
1992	4	26	741	40	26.00	124	36.00	6.5	Cape Mendocino
1992	4	26	1118	40	23.00	124	35.00	6.6	Cape Mendocino
1992	6	28	1157	34	12.00	116	26.00	7.3	Landers
1992	6	28	1505	34	12.00	116	50.00	6.2	Big Bear
1993	5	17	2320	37	9.00	117	50.00	6.1	Big Pine
1994	1	17	1230	34	13.00	118	32.00	6.7	Northridge
1994	9	01	1515	40	27.00	125	54.00	6.9	Mendocino Fracture Zone
1994	9	12	1223	38	49.00	119	37.00	6.0	Carter's Station, Nevada
1995	2	19	403	40	37.00	125	54.00	6.6	W. of Eureka
1995	9	20	2327	35	46.00	117	38.00	5.5	Ridgecrest
1996	7	24	2016	41	47.04	125	54.66	5.7	W. of Eureka
1997	1	22	717	40	16.32	124	23.64	5.7	Punta Gorda
1999	8	1	1606	37	23.40	117	4.80	5.7	Scotty's Junction, Nevada
1999	10	16	947	34	35.64	116	16.26	7.1	Hector Mine
2000	3	16	1520	40	23.16	125	16.74	5.9	Mendocino Fracture Zone

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