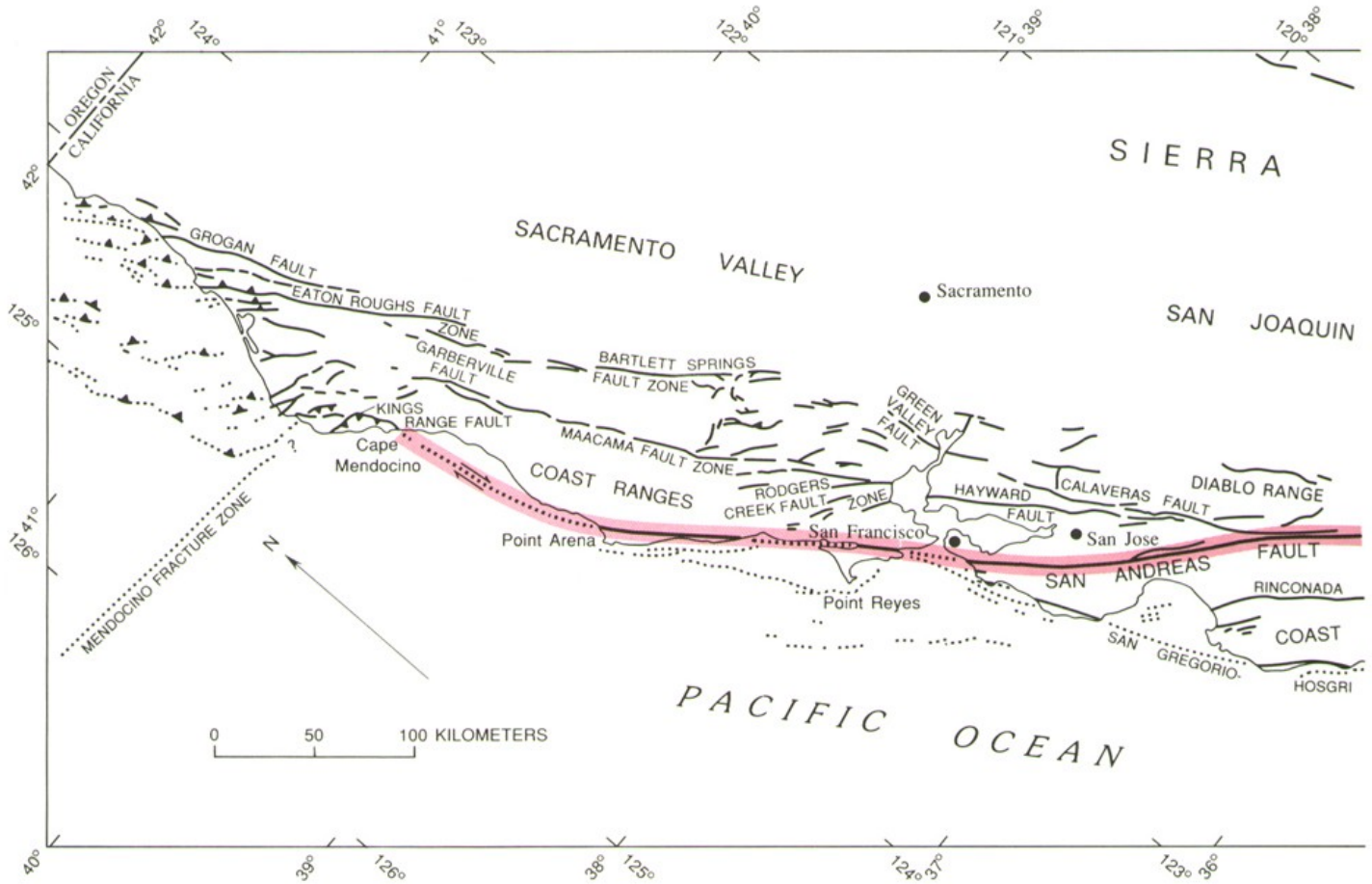
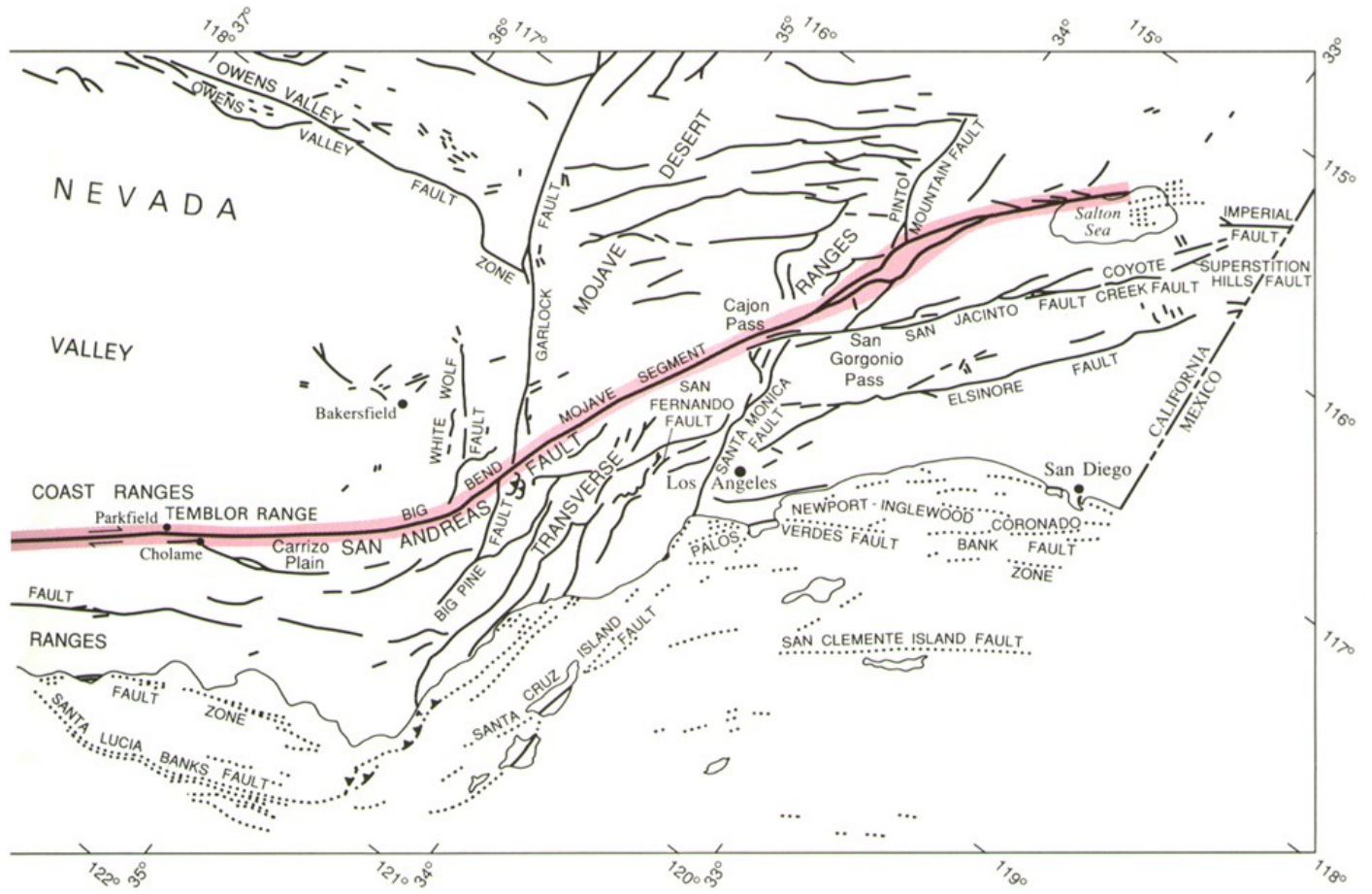


7. Appendix A

Podrobná mapa systému zlomov San Andreas (zdroj: Wallace, 1990)





8. Appendix B

Príloha popisuje zemetrasenia s magnitúdom $\geq 5,5$ v oblasti, ktorá je ohraničená šrafovanou líniou na obrázku (zdroj: Topozada, 2002).

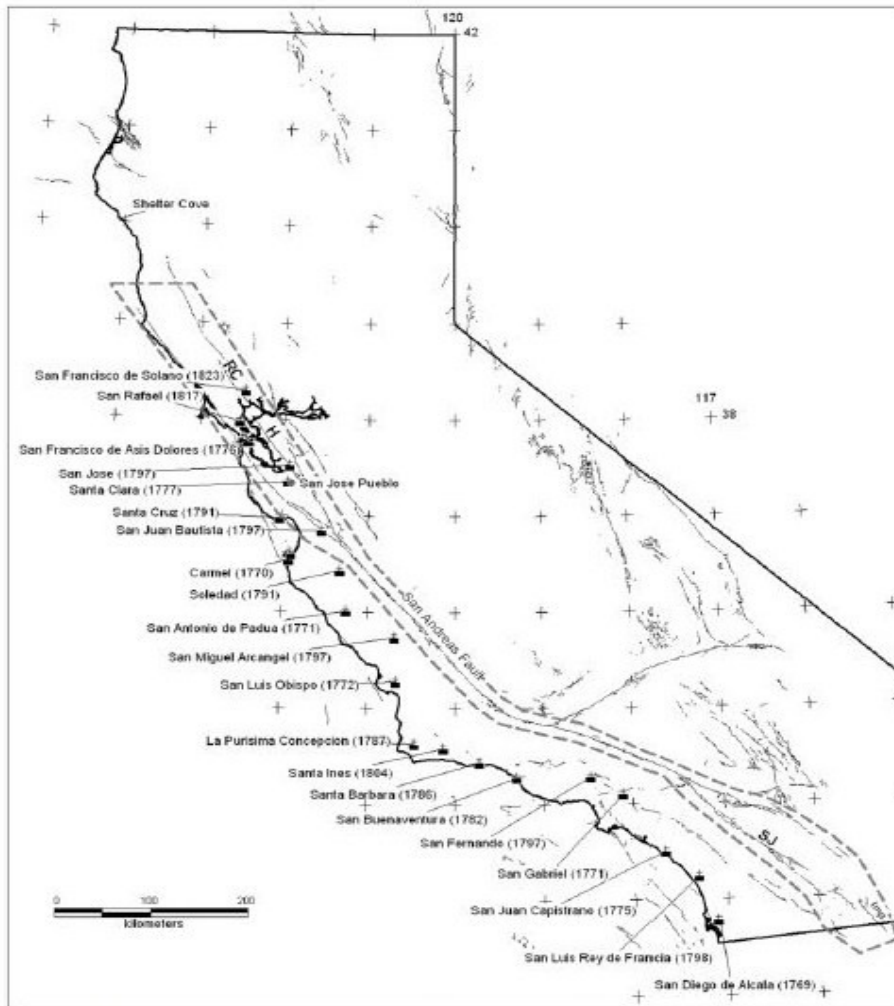


Figure 1. Index map showing the California missions. The dates the missions were established are indicated. All missions were secularized in 1834. Dashed region represents area of San Andreas fault zone considered in this article. Fault zones: H, Hayward; RC, Rogers Creek; SJ, San Jacinto; Imp, Imperial.

Dátum	Magnitúdo	Oblasť/Popis
3. marec 1901	6,4	Údolie Parkfield-Priest: Toto zemetrasenie spôsobilo značné škody v Parkfielde a susedných mestách, malé otrasy bolo cítiť aj na severe v San Francisku a na východe v Porterville. V Monterey Bay vzniklo tsunami pravdepodobne podmorským zosuvom pôdy (Lander et al., 1993). V regióne Monterey Canyon bolo zmapovaných niekoľko podmorských zosuvov pôdy (Greene and Kenedy, 1989). Boli registrované štyri následné otrasy s M 5-5,5.
11. júl 1905	6,1	San Jose: Boli zničené komíny v San Jose, Santa Clara, Santa Cruz, Watsonville, Haywarde a Livermore. V San Francisku bolo rozbitých pár okien a padala omietka. V Oaklande padal porcelán a tretky.
3. august 1903	6,2	San Jose: V San Jose padali kamenné ozdoby a omietka na ulicu. V Santa Clara padala omietka, praskali steny a rozbíjali sa okná. V Oaklande padali okná a malta z budov, ľudia vybehovali von. Podobný efekt bol aj v pocitovaný aj v San Francisku.
18. apríl 1906	7,8	Obrovské zemetrasenie v San Francisku. Obrovské San Franciské zemetrasenie vzniklo rupturou zlomu San Andreas od línie Monterey-San Benito County až po líniu Humboldt-Mendocino County. Značné škody boli spôsobené od severnej časti okresu Monterey po juh okresu Humboldt. Okolo 3000 zomrelo, straty na majetku presahovali čiastku 524 miliónov dolárov. Zemetrasenie trvalo viac ako 1 minútu.
19. apríl 1906	6,2	Imperial Valley: presná poloha neznáma.
18. máj 1906	5,6	San Juan Batista
20. september 1907	5,8	Parkfield:
11. marec 1910	5,8	Watsonville: V Chittendne padali z regálov fľaše, domy sa kývali a praskali. V Santa Cruz padala omietka, rozbíjal sa porcelánový riad a okná. Vo Watsonville boli porozbíjané okná a porcelán. V Salinas sa všetci prebudili, niektorí vystrašení ľudia vybehli von. Toto bol pravdepodobne oneskorený následný otras po obrovskom San Franciskom zemetrasení.
11. apríl 1910	5,8	Anza-Borego Springs
1. júl 1911	6,4	Juhovýchod San Jose: Tehlové steny popraskali a komíny boli zničené až vo vzdialenosti 35 km v údolí Santa Clara.
23. jún 1915	6	Imperial Valley
23. jún 1915	5,9	Imperial Valley
6. august 1916	5,6	Palcines Area: V Palcines boli zničené komíny na hoteloch, menšie škody vznikli v Hollistri. Obrovské balvany sa skotúlali na diaľnicu v Chittenden Pass v okrese Santa Cruz.
30. september 1916	5,7	Pohorie Borrego
23. október 1916	5,5	Tejon Pass región: 10 minút neskôr bolo cítiť následné otrasy s M ~ 5.

28. máj 1917	5,5	Imperial Valley
21. apríl 1918	6,8	San Jacinto: V San Jacintu a Hemete bolo zranených niekoľko občanov, jeden smrteľne. Škody na majetku presiahli sumu 200 000 dolárov.
1. máj 1918	5,6	Imperial Valley
6. jún 1918	5,5	Pohorie pri San Jacinto
16. február 1919	5,7	Tejon Pass región
10. marec 1922	6,3	Údolie Parkfield-Priest:
18. august 1922	5,7	Údolie Parkfield-Priest:
23. júl 1923	6,2	San Bernardino región
7. november 1923	5,5	Imperial Valley
1. január 1927	5,5	Mexicalli
1. jún 1927	5,8	Mexicalli
2. október 1928	5,5	San Jacinto: Lokácia je len približná
8. január 1934	6	Parkfield
25. marec 1937	5,6	Pepperwood
19. máj 1940	7	Imperial Valley: Pri zemetrasení zvanom El Centro prišlo o život 9 ľudí, škoda na majetkoch bola vyčíslená na 6 miliónov dolárov, zahŕňa tiež škody spôsobené následnými otrasmi v blízkosti Brawley. Na zlome bolo namerané pravostranné posunutie o 5,8m.
19. máj 1940	5,5	Imperial Valley: následný otras
19. máj 1940	5,5	Imperial Valley: následný otras
19. máj 1940	5,5	Imperial Valley: následný otras
20. december 1940	5,5	Fort Bragg
21. október 1942	6,4	Pohorie Fish Creek, údolie Lower Borrego: toto zemetrasenie spôsobilo len menšie škody na majetkoch.
22. október 1942	6	Saltonské more: následný otras
15. august 1945	5,7	San Jacinto
4. december 1948	6	Desert hot spring
29. júl 1950	5,5	Imperial Valley
24. január 1951	5,8	Imperial Valley
14. jún 1953	5,5	Brawley
19. marec 1954	6,3	Arroyo Salada
19. marec 1954	5,5	Arroyo Salada: následný otras
25. apríl 1954	5,6	Watsonville: Východne od Watsonvillu bolo niekoľko zle postavených domov posunutých zo svojich základov a vážne poškodených. Pozdĺž rieky Pajaro praskala zem.
9. apríl 1961	5,5	Hollister: Dve silné zemetrasenia poškodili mnoho budov v Hollistri a v susedstve, cena zničeného majetku dosahovala

		250 000 dolárov. Väčšie škody napáchalo zemetrasenie aj v okrese Courthouse. Južne od Hollistru sa objavila 15m prasklina.
9. apríl 1961	5,5	Hollister
28. jún 1966	5,5	Parkfield
28. jún 1966	6	Parkfield
9. apríl 1968	6,6	Pohorie Borrego: Toto zemetrasenie bolo sprevádzané povrchovou ruptúrou na segmente Coyot Creek, vo veľmi riedko osídlenej oblasti.
28. apríl 1969	5,8	Borrego Springs
2. október 1969	5,6	Santa Rosa: Dve 83-minút trvajúce zemetrasenia v Santa Rosa spôsobili smrť jedného človeka a poškodenia majetku v cene 8,35 miliónov dolárov. Niekoľko tehlových a drevených trámov bolo poškodených na starších budovách, padali komíny, chodníky popraskali a praskli podzemné potrubia. Obe zemetrasenia pociťovali ľudia južne od Santa Cruzu až po východ Sacramento.
2. október 1969	5,7	Santa Rosa
6. august 1979	5,7	Jazero Coyote: Bolo zranených 16 ľudí a škoda na majetku sa vyšplhala na 500 tisíc dolárov. V Hollistri a Gilroy boli poškodené komíny a rozbitý kryštál.
15. október 1979	6,5	Imperial Valley: Toto zemetrasenie zranilo 90 ľudí a spôsobilo 30 miliónové škody na majetku.
16. október 1979	5,5	Imperial Valley
25. február 1980	5,5	Anza
26. apríl 1981	5,9	Imperial Valley
24. apríl 1984	6,2	Morgan Hill: Škody na majetku presahovali 8 miliónov dolárov, 27 ľudí bolo zranených.
26. január 1986	5,5	Palcines- Hollister: Len škoda na vínnych nádržiach v Palcines sa vyšplhala na 800 tisíc dolárov, v Hollistri popraskali plynovody a vodovodné potrubia. V Tres Pinos spadli dva komíny.
8. júl 1986	6	Severný Palm Spring
24. november 1987	6,2	Zlom Elmore Ranch
24. november 1987	6,6	Superstitions Hills
18. október 1989	6,9	Loma Prieta

9. Apendix C

Tabuľky veľkých zemetrasení v Kalifornii a Nevade v rokoch 1769-1989:
(data poukazujú na podobnosť v lokácii, čase a rozsahu zemetrasenia)
(zdroj: Wallace, 1990)

TABLE 6.1. — Major California and Nevada earthquakes, 1769–1989

Date and origin time (GMT)	<i>M</i>	Lat N. and Long W.	Locality	<i>M_L</i>	<i>M_{G-R}</i>	<i>M_S</i>	<i>M_I</i>	<i>M</i>
1769/07/28	6?	34° 118°	Los Angeles Basin-----	—	—	—	6	—
1800/11/22 21:30	6½?	33° 117°18'	San Diego region-----	—	—	—	≥6½	—
1808/06/21	6?	37°48' 122°30'	San Francisco region-----	—	—	—	6	—
1812/12/08 15:00	7	34°22' 117°39'	Wrightwood-----	—	—	—	6.9	—
1812/12/21 19:00	7	34°12' 119°54'	Santa Barbara Channel-----	—	—	—	7.1	—
1827/09/24 04:00	5½?	34° 119°	Los Angeles region-----	—	—	—	5½ to 6	—
1836/06/10 15:30	6¼	37°48' 122°12'	Hayward fault-----	—	—	—	6.8	—
1838/06/? p.m.	7	37°36' 122°24'	San Francisco Peninsula-----	—	—	—	≥7.0	—
1852/11/29 20:00	6½	32°30' 115°	Volcano Lake, B.C.-----	—	—	—	6 to 7	—
1855/07/11 04:15	6?	34° 6' 118° 6'	Los Angeles region-----	—	—	—	6	—
1856/02/15 13:25	5¾	37°30' 122°18'	San Francisco Peninsula-----	—	—	—	5.5	—
1857/01/09 16:00	8¼	35°42' 120°18'	Great Fort Tejon earthquake-----	—	—	—	7.6	7.8
1857/09/03 03:05	6¼	39°18' 120°	Western Nevada or eastern Sierra Nevada-----	—	—	—	6.0	—
1858/11/26 08:35	6¼	37°30' 121°54'	San Jose region-----	—	—	—	6.1	—
1858/12/16 10:00	6	34° 117°30'	San Bernadino region-----	—	—	—	6	—
1860/03/15 19:00	6½	39°30' 119°30'	Carson City, Nev. region-----	—	—	—	6.3	—
1861/07/04 00:11	5¾	37°48' 122° 0'	San Ramon Valley-----	—	—	—	5.6	—
1862/05/27 20:00	6	32°42' 117°12'	San Diego region-----	—	—	—	5.9	—
1864/02/26 13:47	6	37° 6' 121°42'	Southern Santa Cruz Mountains-----	—	—	—	5.9	—
1864/03/05 16:49	5¾	37°42' 122°	East of San Francisco Bay-----	—	—	—	5.7	—
1865/10/08 20:46	6½	37° 0' 122° 0'	Southern Santa Cruz Mountains-----	—	—	—	6.3	—
1866/07/15 06:30	6	37°30' 121°18'	Western San Joaquin Valley-----	—	—	—	5.8	—
1868/05/30 05:10	6	39°18' 119°42'	Virginia City, Nev.-----	—	—	—	5.8, 6	—
1868/10/21 15:53	7	37°42' 122° 6'	Hayward fault-----	—	—	—	6.8	—
1869/12/27 01:55	6¼	39°24' 119°42'	Olinghouse fault, Nev. (?)-----	—	—	—	6.1	—
1869/12/27 10:00	6	39° 6' 119°48'	Carson City, Nev. region-----	—	—	—	5.9	—
1870/02/17 20:12	6	37°12' 122° 6'	Los Gatos-----	—	—	—	5.8	—
1871/03/02 21:05	6	40°24' 124°12'	Cape Mendocino-----	—	—	—	5.9	—
1872/03/26 10:30	7.6	36°42' 118° 6'	Owens Valley-----	—	—	—	7.3	7.6
1872/03/26 14:06	6¾	36°54' 118°12'	Owens Valley-----	—	—	—	6.5	—
1872/04/03 12:15	6¼	37° 118°12'	Owens Valley-----	—	—	—	6.1	—
1872/04/11 19:00	6¾	37°30' 118°30'	Owens Valley-----	—	—	—	6.6	—
1872/05/03 01:00	5¾	33° 115°	Imperial Valley (?)-----	—	—	—	≥5.5	—
1872/11/12 00:00	6	39°? 117°?	Austin, Nev. region (?)-----	—	—	—	6	—
1873/11/23 05:00	6¼	42° 124°	Crescent City-----	—	—	—	6.7	—
1875/01/24 12:00	6	40°12' 120°30'	Honey Lake-----	—	—	—	5.8	—
1875/11/15 22:30	6¼	32°30' 115°30'	Imperial Valley to Colorado River delta (?)-----	—	—	—	6.2	—
1878/05/09 04:25	6	40° 6' 124°	Punta Gorda region-----	—	—	—	5.8	—
1881/02/02 00:11	5¾	36° 0' 120°30'	Parkfield-----	—	—	—	5.6	—
1881/04/10 10:00	6	37°24' 121°24'	Western San Joaquin Valley-----	—	—	—	5.9	—
1882/03/06 21:45	5¾	36°54' 121°12'	Hollister-----	—	—	—	5.7	—
1883/09/05 12:30	6¼	34°12' 119°54'	Santa Barbara Channel-----	—	—	—	6.0	—
1884/01/28 07:30	5¾	41°6' 123°36'	Klamath Mountains-----	—	—	—	5.7	—
1884/03/26 00:40	6	37°6' 122°12'	Santa Cruz Mountains-----	—	—	—	5.9	—
1885/01/31 05:45	5¾	40°24' 120°36'	Susanville-----	—	—	—	5.7	—
1885/04/12 04:05	6¼	36°24' 121°	Southern Diablo Range-----	—	—	—	6.2	—
1887/06/03 10:48	6½	39°12' 119°48'	Carson City, Nev. region-----	—	—	—	6.3	—
1888/04/29 04:48	6	39°42' 120°42'	Mohawk Valley-----	—	—	—	5.9	—
1889/05/19 11:10	6¼	38° 0' 121°54'	Antioch-----	—	—	—	6.0	—
1889/06/20 06:00	6	40°30' 120°42'	Susanville-----	—	—	—	5.9	—
1889/09/30 05:20	5¾	37°12' 118°42'	Bishop region-----	—	—	—	5.6	—
1890/02/09 12:06	6½	33°24' 116°18'	San Jacinto or Elsinore fault region (?)-----	—	—	—	6.3	—
1890/04/24 11:36	6¼	36°54' 121°36'	Pajaro Gap-----	—	—	—	6.0	—
1890/07/26 09:40	6¼	40°30' 124°12'	Cape Mendocino-----	—	—	—	6.0	—
1891/07/30 14:10	6	32° 115°	Colorado River delta region-----	—	—	—	6.0	—

TABLE 6.1.—Major California and Nevada earthquakes, 1979–1989—Continued

Date and origin time (GMT)	M	Lat N. and Long W.	Locality	M_L	M_{G-R}	M_S	M_I	M
1892/02/24 07:20	7	32°33' 115°38'	Laguna Salada, B.C.	—	—	—	6.7, 7.2	—
1892/04/19 10:50	6½	38°24' 122° 0'	Vacaville	—	—	—	6.4	—
1892/04/21 17:43	6¼	38°30' 121°54'	Winters	—	—	—	6.2	—
1892/05/28 11:15	6½	33°12' 116°12'	San Jacinto or Elsinore fault region (?)	—	—	—	6.3	—
1892/11/13 12:45	5¾	36°48' 121°30'	Hollister	—	—	—	5.6	—
1893/05/19 00:35	5¾	34° 6' 119°24'	Pico Canyon	—	—	—	5.5, 5.9	—
1894/07/30 05:12	6	34°18' 117°36'	Lytle Creek region	—	—	—	5.9, 6.0	—
1894/09/30 17:36	6	40°18' 123°42'	Cape Mendocino region	—	—	—	5.8	—
1894/10/23 23:03	5¾	32°48' 116°48'	East of San Diego	—	—	—	5.7	—
1896/08/17 11:30	6	36°42' 118°18'	Southeastern Sierra Nevada	—	—	—	5.9	—
1897/06/20 20:14	6¼	37° 0' 121°30'	Gilroy	—	—	—	6.2	—
1898/03/31 07:43	6¼	38°12' 122°24'	Mare Island	—	—	(6.5)	6.2	—
1898/04/15 07:07	6¼	39°12' 123°48'	Mendocino	—	—	(6.7)	6.4	—
1899/04/16 13:40	7	41°? 126°?	West of Eureka	—	—	7.0	5.7	—
1899/07/06 20:10	5¾	37°12' 121°30'	Morgan Hill	—	—	(4.7)	5.8	—
1899/07/22 20:32	5¾	34°18' 117°30'	Lytle Creek region	—	—	(5.6)	6.5, 6.4	—
1899/12/25 12:25	6.4	33°48' 117° 0'	San Jacinto and Hemet	—	—	6.4	6.6, 6.7	—
1901/03/03 07:45	6.4	36° 0' 120°30'	Parkfield	—	—	6.4	5.8	—
1903/01/24 05:27	6.6	31°30' 115°	Colorado River delta region	—	7+	6.6	—	—
1903/06/11 13:12	5½	37°24' 121°54'	San Jose	—	—	(5.4)	5.8	—
1903/08/03 06:49	5½	37°18' 121°48'	San Jose	—	—	(5.3)	5.8	—
1906/04/18 13:12	8¼	37°42' 122°30'	Great 1906 earthquake	6.9	8¼, 8.3	7.8, 8.3	7.8	7.7
1906/04/19 00:30	6.2	32°54' 115°30'	Imperial Valley	—	6+	6.2	5.8	—
1906/04/23 09:10	6.4	41° 124°	Arcata	—	—	6.4	—	—
1907/09/20 01:54	5.3	34°12'? 117° 6'?	San Bernadino region	—	6	*	5.3	—
1908/11/04 08:37	6?	36°? 117°?	Death Valley region	—	6½	*	—	—
1909/10/29 06:45	5.8	40°30' 124°12'	Cape Mendocino	—	6+	5.8, (5.1)	6.4	—
1910/03/11 06:52	5.8	36°54' 121°48'	Watsonville	—	—	5.8	5.5	—
1910/03/19 00:11	6.0	40°? 125°?	West of Cape Mendocino	—	—	6.0	6.2	—
1910/05/15 15:47	5½	33°42' 117°24'	Glen Ivy Hot Springs	—	—	(5.5)	6.0, 5.3	—
1910/08/05 01:31	6.6	42° 127°	West of Crescent City	—	6.8	6.6	—	—
1911/07/01 22:00	6.5	37°15' 121°45'	Calaveras fault	—	6.6	6.5	6.2	—
1914/02/18 18:17	5½?	39°30' 119°48'	Truckee region	—	—	*	6	—
1914/04/24 08:34	6	39°30' 119°48'	Truckee region	—	—	(5.5), (5.6)	6.4	—
1915/05/06 12:09	6.2	40° 126°	West of Cape Mendocino	—	6¼	6.2, (6.0)	—	—
1915/06/23 03:59	6.0	32°48' 115°30'	Imperial Valley	—	6¼	6.0, (5.6)	5.6, 5.5	—
1915/06/23 04:56	5.9	32°48' 115°30'	Imperial Valley	—	6¼	5.9	5.6, 5.5	—
1915/10/03 06:52	7.3	40°30' 117°30'	Pleasant Valley, Nev.	—	7¼	7.6, 7.4, 7.3	—	7.2
1915/11/21 00:13	7.1	32° 115°	Volcano Lake, B.C.	—	7.1	7.1, 6.8	—	—
1915/12/31 12:20	6.5	41° 126°	West of Eureka	—	6½	6.5, (6.4)	—	—
1916/02/03 05:03	5.9	41° 117°48'	North of Pleasant Valley, Nev.	—	—	(5.1)	5.9	—
1916/10/23 02:44	5.3	34°54' 118°54'	Tejon Pass region	—	5½±	6	5.2, 5.3	(5.3)
1916/11/10 09:11	6.1	35°30' 116° 0'	South of Death Valley	—	6.1	(5.7, 5.9)	—	—
1918/04/21 22:32	6.9	33°48' 117° 0'	San Jacinto	—	6.8	7.2, 6.9	6.6	(6.8)
1918/07/15 00:23	6.5	41° 125°	West of Eureka	—	6½	6.5	5.9	—
1922/01/26 09:31	6.0	41° 126°	West of Eureka	—	6	(6.1)	—	—
1922/01/31 13:17	7.3	41° 125°30'	West of Eureka	—	7.3	7.4	—	—
1922/03/10 11:21	6.3	36° 0' 120°30'	Parkfield	—	6½	6.3	6.3	6.1
1923/01/22 09:04	7.2	40°30' 124°30'	Cape Mendocino	—	7.2	7.3	6.5, 6.8	—
1923/07/23 07:30	6.0	34° 0' 117°18'	San Bernadino region	—	6¼	—	6.0	6.0
1925/06/04 12:02	6	41°30' 125°	West of Eureka	—	6	(5.8)	—	—
1925/06/29 14:42	6.3	34°18' 119°48'	Santa Barbara	—	6¼	—	6.3	(6.9)
1926/10/22 12:35	6.1	36°37' 122°21'	Monterey Bay	—	6.1	—	6.1	—
1926/10/22 13:35	6.1	36°33' 122°11'	Monterey Bay	—	6.1	—	—	—
1926/12/10 08:38	6.0	40°45' 126°	West of Cape Mendocino	—	6.0	(6.2)	—	—

TABLE 6.1.—Major California and Nevada earthquakes, 1979–1989—Continued

Date and origin time (GMT)	<i>M</i>	Lat N. and Long W.	Locality	<i>M_L</i>	<i>M_{G-R}</i>	<i>M_S</i>	<i>M_I</i>	<i>M</i>
1927/09/18 02:07	6	37°30' 118°45'	Bishop region-----	—	6	—	5.5	—
1927/11/04 13:50	7.3	34°42' 120°48'	Southwest of Lompoc-----	—	7.3, 7.5	(7.2)	6.2	(7.3)
1932/06/06 08:44	6.4	40°45' 124°30'	Eureka-----	—	6.4	(6.4)	5.9	—
1932/12/21 06:10	7.2	38°45' 118°	Cedar Mountain, Nev.-----	—	7.2	(7.4)	—	—
1933/01/05 06:51	5.9	38°46' 117°44'	Cedar Mountain, Nev.-----	5.7	5.9	—	—	—
1933/03/11 01:54	6.3	33°37' 117°58'	Long Beach-----	6.3	6¼	(6.5)	6.2	6.2
1933/06/25 20:45	6.1	39° 4' 119°20'	Yerington, Nev.-----	—	6.1	—	—	—
1934/01/30 20:16	6.3	38°18' 118°24'	Excelsior Mountain, Nev.-----	—	6.3, 6.3	(6.4)	—	—
1934/06/08 04:47	6.0	36° 0' 120°30'	Parkfield-----	5.2, 6.0, 6.1	6.0	—	5.6	6.1
1934/07/06 22:48	6.5	41°15' 125°45'	West of Eureka-----	—	6.5	—	—	—
1934/12/30 13:52	6.5	32°15' 115°30'	Laguna Salada, B.C.-----	6.5	6.5	—	—	(6.4)
1934/12/31 18:45	7.0	32° 114°45'	Colorado River delta-----	7.1	7.0	—	—	(7.1)
1935/02/24 01:45	5.3	31°59' 115°12'	Colorado River delta-----	6.0	5¼	—	—	(≤5.3)
1936/06/03 09:15	5.9	40° 125°30'	West of Cape Mendocino-----	—	5.9	—	—	—
1937/03/25 16:49	6.0	33°28' 116°25'	Buck Ridge-----	6.0, 5.9	6.0	—	5.9	—
1940/02/08 08:05	6	39°45' 121°15'	Chico-----	5.7	6	—	—	—
1940/05/19 04:36	7.1	32°44' 115°30'	Imperial Valley-----	6.2	6.7, 7.1	7.2	6.4, 6.6	6.9, 7.1
1940/12/07 22:16	5½	31°40' 115° 5'	Colorado River delta-----	6.0	5¼	—	—	(≤5.3)
1941/02/09 09:44	6.6	40°42' 125°24'	West of Cape Mendocino-----	6.4	6.6	—	—	—
1941/04/09 17:08	5.3	31° 114°	Gulf of California-----	6.0	5¼	—	—	—
1941/05/13 16:01	6.0	40°18' 126°24'	West of Cape Mendocino-----	6.0	6	—	—	—
1941/07/01 07:50	5.9	34°22' 119°35'	Carpenteria-----	5.9	5.9	—	5.5, 6.0	(6.0)
1941/09/14 16:43	5.8	37°34' 118°44'	Tom's Place-----	5.8, 6.0	5.8	—	5.6	—
1941/09/14 18:39	6.0	37°34' 118°44'	Tom's Place-----	6.0	6.0	—	5.6	(5.5)
1941/10/03 16:13	6.4	40°24' 124°48'	West of Cape Mendocino-----	6.4	6.4	—	—	—
1942/10/21 16:22	6.5	33° 3' 116° 5'	Fish Creek Mountains-----	6.5	6½	—	6.0, 6.3	6.6
1942/12/03 09:44	5.9	39°42' 119°18'	North of Wadsworth, Nev.-----	5.5	5.9	—	—	—
1945/05/19 15:07	6.2	40°24' 126°54'	West of Cape Mendocino-----	6.0	6.2	—	—	—
1945/09/28 22:24	6.0	41°54' 126°42'	West of Crescent City-----	6.0	6.0	—	—	—
1946/03/15 13:49	6.3	35°44' 118° 3'	Walker Pass-----	6.3	6¼	—	6.1	6.0
1947/04/10 15:58	6.4	34°59' 116°33'	Manix-----	6.2	6.4	—	6.3, 6.4	6.6
1948/12/04 23:43	6.5	33°56' 116°23'	Desert Hot Springs-----	6.5	6.5±	—	6.2, 6.5	6.0
1948/12/29 12:53	6.0	39°33' 120° 5'	Verdi, Nev.-----	6.0	6.0	—	5.7	—
1949/03/24 20:56	6.2	41°18' 126°	West of Eureka-----	5.9	6.2	—	—	—
1949/05/02 11:25	5.9	34° 1' 115°41'	Pinto Mountain-----	5.9	5.9	—	—	—
1951/10/08 04:10	6	40°15' 124°30'	West of Cape Mendocino-----	5.8	6	—	—	—
1951/12/26 00:46	5.9	32°48' 118°18'	San Clemente Island-----	5.9	5.9	—	—	—
1952/07/21 11:52	7.7	35° 0' 119° 1'	Kern County earthquake-----	7.2	7.7	7.8	7.0	7.5, 7.3
1952/07/21 12:05	6.4	35° 0' 119° 0'	Kern County-----	6.4	—	—	—	—
1952/07/23 00:38	6.1	35°22' 118°35'	Kern County-----	6.1	—	—	—	5.7
1952/07/29 07:03	6.1	35°23' 118°51'	Bakersfield-----	6.1	—	—	—	6.3
1952/11/22 07:46	6.0	35°44' 121°12'	Bryson-----	6.0	6±	—	—	—
1954/01/12 23:33	5.9	35° 0' 119° 1'	West of Wheeler Ridge-----	5.9	—	—	—	5.7
1954/03/19 09:54	6.2	33°17' 116°11'	Arroyo Salada-----	6.2, 6.2	—	—	6.2	6.4
1954/07/06 11:13	6.6	39°25' 118°32'	Rainbow Mountain, Nev.-----	6.8	6.6	6.3	—	6.2
1954/07/06 22:07	6.4	39°18' 118°30'	Rainbow Mountain, Nev.-----	6.0	6.4	—	—	6.1
1954/08/24 05:51	6.8	39°35' 118°27'	Stillwater, Nev.-----	6.8	6.8	6.9	—	6.6
1954/08/31 22:20	6.3	39°30' 118°30'	Stillwater, Nev.-----	5.8	6.3	—	—	5.8
1954/10/24 09:44	6.0	31°30' 116°	East of Santo Tomas, B.C.-----	6.0	—	—	—	6.0
1954/11/12 12:26	6.3	31°30' 116°	East of Santo Tomas, B.C.-----	6.3	—	—	—	6.3
1954/11/25 11:16	6.5	40°16' 125°38'	West of Cape Mendocino-----	6.1	6.5	7.2	—	—
1954/12/16 11:07	7.1	39°19' 118°12'	Fairview Peak, Nev.-----	7.2	7.1	—	—	7.2
1954/12/16 11:11	6.8	39°30' 118° 0'	Dixie Valley, Nev.-----	7.1	6.8	—	—	7.0
1954/12/21 19:56	6.6	40°56' 123°47'	East of Arcata-----	6.5	6.6	—	—	—
1956/02/09 14:32	6.8	31°45' 115°55'	San Miguel, B.C.-----	6.8	—	—	6.3	6.5

TABLE 6.1.—Major California and Nevada earthquakes, 1979–1989—Continued

Date and origin time (GMT)	<i>M</i>	Lat N. and Long W.	Locality	<i>M_L</i>	<i>M_{G-R}</i>	<i>M_S</i>	<i>M_I</i>	<i>M</i>
1956/02/09 15:24	6.1	31°45' 115°55'	San Miguel, B.C.	6.1	—	—	—	6.0
1956/02/14 18:33	6.3	31°30' 115°30'	San Miguel, B.C.	6.3	—	—	—	6.2
1956/02/15 01:20	6.4	31°30' 115°30'	San Miguel, B.C.	6.4	—	—	—	6.2
1956/10/11 16:48	6.0	40°40' 125°46'	West of Cape Mendocino	6.0	—	—	—	—
1956/12/13 13:15	6.0	31° 115°	Western shore, Gulf of California	6.0	—	—	—	—
1959/03/23 07:10	6.3	39°36' 118° 1'	Dixie Valley, Nev.	6.3	—	—	—	—
1959/06/23 14:35	6.1	39° 5' 118°49'	Schurz, Nev.	6.1	—	—	—	—
1960/08/09 07:39	6.2	40°19' 127° 4'	West of Cape Mendocino	6.2	—	—	—	—
1966/06/28 04:26	6.0	36° 0' 120°30'	Parkfield	5.5, 5.6, 5.7	—	6.0	5.7	6.1
1966/08/07 17:36	6.3	31°48' 114°30'	Gulf of California	6.3	—	—	—	6.3
1966/09/12 16:41	6.0	39°25' 120° 9'	Truckee	6.0	—	—	—	5.9
1968/04/09 02:28	6.5	33°11' 116° 8'	Borrego Mountain	6.4, 6.3, 6.8	—	6.8	6.3	6.5
1968/06/26 01:42	5.4	40°14' 124°16'	Punta Gorda	5.9	—	5.4	—	—
1971/02/09 14:00	6.5	34°25' 118°24'	San Fernando, B.C.	6.4, 5.8	—	6.5, 6.5	6.5	6.7
1973/02/21 14:45	5.2	34° 4' 119° 2'	Point Mugu	5.9, 5.6	—	5.2	—	5.3
1979/08/06 17:05	5.7	37° 7' 121°31'	Coyote Lake	5.8	—	5.7	5.6	5.7
1979/10/15 23:16	6.5	32°36' 115°18'	Imperial Valley	6.6, 6.5, 6.4	—	6.9, 6.7	6.0	6.4 to 6.6
1980/01/24 19:00	5.8	37°50' 121°47'	Livermore	5.8	—	5.9	—	5.8
1980/05/25 16:33	6.1	37°36' 118°50'	Mammoth Lakes	6.1, 6.4, 6.2	—	6.1	—	6.2
1980/05/25 16:49	5.9	37°39' 118°54'	Mammoth Lakes	6.0, 5.9	—	—	—	—
1980/05/25 19:44	5.8	37°33' 118°49'	Mammoth Lakes	6.1, 6.6, 6.4	—	5.8	—	5.9
1980/05/27 14:50	6.0	37°29' 118°48'	Mammoth Lakes	6.2, 6.4, 5.8	—	6.0	—	5.9
1980/06/09 03:28	6.4	32°12' 115° 5'	Victoria, B.C.	6.1, 6.1	—	6.4	—	6.4
1980/11/08 10:27	7.2	41° 7' 124°40'	West of Eureka	6.9	—	7.2	—	7.4
1981/04/26 12:09	6.0	33° 8' 115°39'	Westmorland	5.6	—	6.0	—	5.9
1981/09/04 15:50	5.9	33°40' 119° 7'	North of Santa Barbara Island	5.3	—	5.9	—	5.9
1981/09/30 11:53	5.8	37°35' 118°52'	Mammoth Lakes	5.9, 6.0, 5.9	—	5.8	—	5.7
1983/05/02 23:42	6.5	36°14' 120°19'	Coalinga	6.7, 6.1, 6.1	—	6.5	—	6.4, 6.5
1983/07/22 02:39	5.7	36°14' 120°25'	Coalinga	6.0, 5.6	—	5.7	—	5.7, 6.0
1984/04/24 21:15	6.1	37°19' 121°39'	Morgan Hill	6.2	—	6.1	—	6.2, 6.5
1984/09/10 03:14	6.7	40°23' 127° 9'	Mendocino Fracture Zone	6.6	—	6.7	—	6.7
1984/11/23 18:08	5.7	37°27' 118°36'	Round Valley	6.1, 6.2	—	5.7	—	5.8
1985/08/04 12:01	5.9	36° 8' 120°10'	North Kettleman Hills	5.6	—	5.9	—	6.1, 6.1
1986/07/08 09:20	6.0	34° 0' 116°36'	North Palm Springs	5.9	—	6.0	—	6.2
1986/07/20 14:29	5.6	37°34' 118°26'	Chalfant Valley	5.9, 5.9	—	5.6	—	5.8
1986/07/21 14:42	6.2	37°32' 118°26'	Chalfant Valley	6.5, 6.0	—	6.2	—	6.3, 6.4
1986/07/31 07:22	5.2	37°28' 118°22'	Chalfant Valley	5.8, 5.9	—	5.2	—	5.5
1987/10/01 14:42	5.8	34° 3' 118° 5'	Whittier Narrows	5.9	—	5.8	—	6.1
1987/11/24 01:53	6.2	33° 4' 115°47'	Elmore Ranch fault	5.8	—	6.2	—	5.9
1987/11/24 13:16	6.6	33° 1' 115°51'	Superstition Hills	6.0	—	6.6	—	6.5
1989/10/18 00:04	7.1	37° 2' 121°53'	Loma Prieta	7.0	—	7.1	—	7.0