

Table 5.20-- MAJOR EARTHQUAKES: 1838 TO 2015

[As of December 31, 2015. Includes all earthquakes with magnitudes of 6.0 or greater, 1838 to 1983, and 5.0 or greater, 1984 to present. Except for the earthquake of April 2, 1868, magnitudes of earthquakes prior to 1929 are conjectural]

Date and time (HST)	Location	Magnitude
1838: December 12	Hawai'i	6.0
1841: April 7	Hawai'i	6.0
1852: March 31	Hawai'i	6.0
1868: March 28	Mauna Loa, south flank, Hawai'i	6.5-7.0
April 2	Mauna Loa, south flank, Hawai'i	7.5-8.1
1871: February 19	Molokai or Maui	6.5
1875: November 23	Hawai'i	6.0
1887: January 24	Hawai'i	6.0
1913: October 25	Hawai'i	6.5
1918: November 1	Hawai'i	6.5
1919: September 14	Hawai'i	6.5
1929: October 5	Hualalai, Hawai'i	6.5
1938: January 23	North of Pauwela Point, Maui	6.8
1940: June 17	Hawai'i	6.0
1941: September 25	South east of Mauna Loa, Kaoiki fault zone, Hawai'i	6.0
1950: May 29	Mauna Loa, south west rift, Hawai'i	6.2
1951: April 22	Kilauea, Hawai'i	6.3
August 21	Kona, Hawai'i	6.9
1952: May 23	Kona, Hawai'i	6.0
1954: March 30	Kilauea, south flank, Hawai'i	6.5
1961: September 25	Hawai'i	5.75-6.0
1962: June 27	South east of Mauna Loa, Kaoiki fault zone, Hawai'i	6.1
1973: April 26	North of Hilo, Honomu, Hawai'i	6.2
1975: Nov. 29, 4:47 AM	Kilauea, south flank, Kalapana, Hawai'i	7.2
1983: Nov. 16, 6:13 AM	South east of Mauna Loa, Kaoiki fault zone, Hawai'i	6.7
1984: June 8, 5:34 PM	80 miles south of Honolulu, Oahu	5.3
1986: April 26, 7:19 AM	28 miles north east of Maui	5.1
1987: Feb. 3, 4:22 PM	26 miles south of Kahoolawe	5.0
1989: June 25, 5:27 PM	Kilauea, south flank, Kalapana, Hawai'i	6.2
1994: Feb. 1, 12:01 AM	12 miles south of Kilauea, offshore, Hawai'i	5.2
1997: June 30, 5:47 AM	5 miles west of Kalapana, Hawai'i	5.2
1999: April 16, 2:56 PM	4 miles north of Pahala, Hawai'i	5.6
2000: April 1, 8:18 PM	7 miles south east of Kilauea Summit, Hawai'i	5.0
2003: August 26, 8:24 PM	6 miles north west of Kaena Point, Oahu	5.0
2005: May 13, 12:06 AM	27 miles south of Naalehu near Loihi, Hawai'i	5.0
2005: July 15	49 miles north of Hilo, Hawai'i	5.2
2005: July 17, 9:15 AM	Near seamount Loihi, Hawai'i	5.2

Continued on next page.

Table 5.20-- MAJOR EARTHQUAKES: 1838 TO 2015 -- Con.

Date and time (HST)	Location	Magnitude
2006: October 15, 7:07:49 AM	Just offshore of Kiholo Bay, Hawai'i	6.7
2006: October 15, 7:14:12 AM	6 miles west of Mahukona, Hawai'i	6.0
2006: November 23, 9:20:10 AM	Just offshore of Kiholo Bay, Hawai'i	5.1
2007: August 13, 7:38 PM	Kilauea, south flank, Hawai'i	5.4
2009: April 14, 12:44 PM	8 miles southeast of Kilauea summit, Hawai'i 1/	1/ 5.2
2013: June 4, 2:12 PM	31 miles south of Kalapana, Hawai'i 1/	5.3
2015: June 27, 10:10 PM	7 miles south-southeast of Kilauea summit, Hawai'i	5.2

1/ Revised from previous *Data Book*.

Source: Augustine S. Furumoto, N. Norby Nielsen, and William R. Phillips, *A Study of Past Earthquakes, Isoseismic Zones of Intensity and Recommended Zones for Structural Design for Hawaii* (University of Hawaii, Center for Engineering Research, Engineering Bulletin, June 15, 1972); information supplied by Wm. Mansfield Adams and Augustine S. Furumoto, Institute of Geophysics, University of Hawaii; Hawaii Institute of Geophysics, records; U.S. Geological Survey, National Earthquake Information Service; U.S. Geological Survey, Hawaiian Volcano Observatory, records; and U.S. Geological Survey, Earthquake Hazards Program, <<http://earthquake.usgs.gov/eqcenter/eqinthenews/>> and records.