

Table 5.20-- EARTHQUAKES OF MAGNITUDE 6.2 OR GREATER: 1823 TO 2019

[As of December 31, 2019. Includes all earthquakes with magnitudes of 6.2 or greater]

Date and time (HST)		Location	Magnitude
1823:	June 1 10:00 PM	Kaimu, Hawaii	7.0
1825:	January 6 11:30 PM	Kona, Hawaii	6.2
1832:	January 10 6:00 PM	Kilauea, south flank, Hawaii	6.2
1841:	April 7 11:45 PM	Kilauea, south flank, Hawaii	6.5
1849:	July 15 4:05 AM	Hilea, Hawaii	6.2
1852:	March 31 4:15 PM	Kaoiki, Hawaii	6.2
1865:	March 3 12:45 AM	West Hawaii, deep	6.5
1868:	March 28 1:28 PM	Hilea, Hawaii	7.0
	April 2 4:00 PM	Hilea, Hawaii	7.9
	April 3 1:45 AM	Hilea, Hawaii	6.2
	April 4 12:30 AM	West Hawaii, deep	6.5
	May 24 12:00 AM	Kilauea, south flank, Hawaii	6.2
1870:	March 21 8:30 PM	South Hawaii	6.2
	August 7 4:13 AM	Molokai	6.4
1871:	February 19 10:15 PM	Lanai	6.8
1877:	May 31 4:20 AM	Kilauea, caldera deep, Hawaii	6.3
1880:	September 23 3:15 PM	Kaoiki, Hawaii	6.6
1881:	September 30 4:53 AM	Mauna Kea, deep, Hawaii	6.4
1887:	January 23 11:30 PM	Hilea, Hawaii	6.5
1890:	August 6 11:10 PM	Kilauea, south flank, Hawaii	6.5
1894:	December 3 3:30 AM	Molokai, deep	6.4
1895:	January 22 10:00 PM	Molokai	6.5
	December 8 11:04 PM	Kona offshore, Hawaii	6.8
1896:	September 13 4:59 AM	East Maui	6.6
1905:	May 3 4:07 PM	Kilauea, south flank, Hawaii	6.2
1908:	September 20 8:15 PM	Kilauea, south flank, Hawaii	6.7
1915:	March 28 8:26 AM	Kaoiki, Hawaii	6.4
1918:	November 1 11:33 PM	Kaoiki, Hawaii	6.4
1927:	March 20 4:52 AM	Mauna Kea, offshore deep, Hawaii	6.8
1929:	September 25 6:20 PM	Hualalai, Hawaii	6.2
	October 5 9:22 PM	Hualalai, Hawaii	6.5
1938:	January 22 10:03 PM	Maui	6.8
1950:	May 29 3:17 PM	Kona, Hawaii	6.3
1951:	April 22 2:52 PM	Kilauea, caldera deep, Hawaii	6.2
	August 21 12:57 AM	Kona, Hawaii	6.9
1952:	March 29 11:59 PM	Kilauea, south flank, Hawaii	6.2
1954:	March 30 8:42 AM	Kalapana, Hawaii	6.5
1962:	June 27 6:27 PM	Kaoiki, Hawaii	6.2
1973:	April 26 10:26 AM	Honomu, Hawaii	6.2

Continued on next page.

**Table 5.20-- EARTHQUAKES OF MAGNITUDE 6.2 OR GREATER:
1823 TO 2019 -- Con.**

Date and time (HST)		Location	Magnitude
1975: November 29	4:47 AM	Kalapana, Hawaii	7.7
1983: November 16	6:13 AM	Kaoiki, Hawaii	6.7
1989: June 25	5:27 PM	Kalapana, Hawaii	6.2
2006: October 15	7:07 AM	Kiholo Bay, Hawaii	6.7
2018: May 4	12:32 PM	Kalapana, Hawaii	6.9

Source: Klein, F.C. and T.L. Wright (2000), "Catalog of Hawaiian Earthquakes, 1823-1959", U.S. Geological Survey Professional Paper 1623, 98 pp; Klein, F.C., et al. (2001), *Seismic Hazard in Hawaii: High Rate of Large Earthquakes and Probabilistic Ground-Motion Maps*, Bulletin of the Seismological Society of America, Vol. 91, No. 3, pp. 479-498; Wyss, M. and R.Y. Koyanagi (1992), *Isoseismal maps, macroseismic epicenters, and estimated magnitudes of historical earthquakes in the Hawaiian Islands*, U.S. Geological Survey Bulletin 2006, 93 pp; U.S. Geological Survey, Hawaiian Volcano Observatory, Seismic Catalog; <<https://earthquake.usgs.gov/earthquakes/>>; and records.