

**Table 5.20-- EARTHQUAKES OF MAGNITUDE 6.2 OR GREATER: 1905 TO 2021**

[As of April 4, 2022. Includes all earthquakes with magnitudes of 6.2 or greater]

| Date and time (HST) |           | Location                         | Magnitude        |     |
|---------------------|-----------|----------------------------------|------------------|-----|
| 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              |     |
| 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              |     |
| 2021: October 10    | 11:48 AM  | Na'alehu, Hawaii                 | 6.2              |     |

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/>> accessed March 28, 2022 and records.