

**Table 5.17-- VOLCANIC ERUPTIONS: MAUNA LOA 1950 TO 1984,
KILAUEA 1969 TO 2010**

[As of December 31, 2010. Four volcanoes have erupted in historical times: Haleakala, last active in 1460; Hualalai, last active in 1801; Mauna Loa, last active in 1984; Kilauea, still active]

| Volcano and date of outbreak | Repose period since previous eruption (months) | Duration (days) | Location 1/ | Altitude of main vent (meters) | Area covered (km ²) | Volume (km ³) |
|------------------------------|--|-----------------|-------------|--------------------------------|---------------------------------|---------------------------|
| Mauna Loa | | | | | | |
| 1950: June 1 | 17.0 | 23 | S, SWR | 3,840-2,380 | 112.0 | 0.3760 |
| 1975: July 5 | 301.0 | <1 | S | 3,900 | 13.5 | 0.0300 |
| 1984: March 25 | 104.6 | 22 | S, NER | 4,030-2,870 | 48.0 | 0.2200 |
| Kilauea | | | | | | |
| 1969: Feb. 22 | 4.0 | 6 | ER | 930-870 | 6.0 | 0.0161 |
| May 24 | 2.0 | 874 | ER | 940 | 50.0 | 0.1850 |
| 1971: Aug. 14 | - | <1 | C | 1,100-1,080 | 3.1 | 0.0091 |
| Sept. 24 | - | 5 | C, SWR | 1,120-820 | 3.9 | 0.0077 |
| 1972: Feb. 3 | 4.3 | 900 | ER | 940 | 46.0 | 0.1620 |
| 1973: May 5 | - | <1 | ER | 1,000-980 | 0.3 | 0.0012 |
| Nov. 10 | - | 30 | ER | 980-870 | 1.0 | 0.0027 |
| 1974: July 19 | - | 3 | C, ER | 1,080-980 | 3.1 | 0.0066 |
| Sept. 19 | 2.0 | <1 | C | 1,100 | 1.0 | 0.0102 |
| Dec. 31 | 3.4 | <1 | SWR | 1,080 | 7.5 | 0.0143 |
| 1975: Nov. 29 | 11.0 | <1 | C | 1,080-1,060 | 0.3 | 0.0002 |
| 1977: Sept. 13 | 21.5 | 18 | ER | 620-480 | 7.8 | 0.0329 |
| 1979: Nov. 16 | 26.3 | 1 | ER | 980-960 | 0.3 | 0.0006 |
| 1982: April 30 | 29.5 | <1 | C | 1,080 | 0.3 | 0.0005 |
| Sept. 25 | 4.8 | <1 | C | 1,080 | 0.8 | 0.0030 |
| 1983: Jan. 3 | 3.3 | 2/ 10,224 | ER | 900 | 2/ 123.2 | 3.5000 |
| 2008: March 19 | - | 2/ 1,017 | C | 1,080 | (3/) | (3/) |

1/ C, summit caldera; ER, east rift zone; NER northeast rift zone; S, summit area; SWR, southwest rift zone.

2/ Revised from previous *Data Book*.

3/ Primarily explosive with very little material produced.

Source: Gordon A. Macdonald, Agatin T. Abbott, and Frank L. Peterson, *Volcanoes in the Sea: The Geology of Hawaii*, 2nd ed. (1986), pp. 80-81; U.S. Geological Survey, Hawaiian Volcano Observatory <<http://hvo.wr.usgs.gov/kilauea/history/historytable.html>> accessed April 7, 2009; records.