

Table 5.10-- VOLCANIC ERUPTIONS ON HAWAII ISLAND: 1750 TO 2001

(Complete through April 30, 2001)

Volcano and date of outbreak	Duration (days)	Area (sq. miles)	Volume (cubic yards)
Kilauea:			
1750 (?)	NA	1.57	19,500,000
1790 (?)	NA	3.04	37,670,000
1790: Nov. (?)	NA	no lava flow	no lava flow
1823: Feb.-July	short	3.86	15,000,000
1832: Jan. 14	short	NA	NA
1840: May 30	26	6.60	281,000,000
1868: April 2	short	0.07	NA
April 2 (?)	short	0.04	250,000
1877: May 4	1 (?)	NA	NA
May 21 (?)	NA	0.04	NA
1884: Jan. 22	1	NA	NA
1885: March	80 (?)	NA	NA
1894: March 21	6 +	NA	NA
July 7	4 (?)	NA	NA
1918: Feb. 23	14	0.04	250,000
1919: Feb. 7	294	1.60	34,500,000
Dec. 21	221	5.00	62,000,000
1921: Mar. 18	7	0.77	8,800,000
1922: May 28	2	0.04	NA
1923: Aug. 25 (?)	1	0.20	100,000
1924: May 10	17	no lava flow	no lava flow
July 19	11	0.02	320,000
1927: July 7	13	0.04	3,160,000
1929: Feb. 20	2	0.06	1,920,000
July 25	4	0.08	3,600,000
1930: Nov. 19	19	0.09	8,480,000
1931: Dec. 23	14	0.12	9,640,000
1934: Sept. 6	33	0.16	9,500,000
1952: June 27	136	0.23	64,000,000
1954: May 31	3	0.44	8,500,000
1955: Feb. 28	88	6.10	120,000,000
1959: Nov. 14	36	0.24	51,000,000
1960: Jan. 13	36	4.10	155,000,000
1961: Feb. 24	1	0.02	30,000
Mar. 3	22	0.10	350,000

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1961: July 10	7	0.40	17,300,000
Sept. 22	3	0.30	3,000,000
1962: Dec. 7	2	0.02	430,000
1963: Aug. 21	2	0.06	1,100,000
Oct. 5	1	1.30	9,000,000
1965: Mar. 5	10	3.00	23,000,000
Dec. 24	<1	0.23	1,160,000
1967: Nov. 5	251	0.25	110,000,000
1968: Aug. 22	5	0.01	50,000
Oct. 7	15	0.80	9,000,000
1969: Feb. 22	6	2.30	22,000,000
May 24	867	19.30	242,000,000
1971: Aug. 14	<1	0.80	12,000,000
Sept. 24	5	1.50	10,500,000
1972: Feb. 4	455	13.50	163,800,000
1973: May 5	<1	0.10	1,600,000
Nov. 10	30	0.40	3,700,000
Dec. 12	203	3.10	39,300,000
1974: July 19	3	1.20	9,000,000
Sept. 19	<1	0.40	14,000,000
Dec. 31	<1	2.90	19,600,000
1975: Nov. 29	<1	0.10	300,000
1977: Sept. 13	18	3.00	45,000,000
1979: Nov. 16	1	0.10	800,000
1982: April 30	<1	0.10	260,000
Sept. 25	<1	0.30	3,900,000
1983: Jan. 3 1/	6,688	40.50	2,704,000,000
Mauna Loa:			
1832: June 20	21	NA	NA
1843: Jan. 9	90	20.20	250,000,000
1849: May	15	NA	NA
1851: Aug. 8	21	6.90	90,000,000
1852: Feb. 17	20	11.00	140,000,000
1855: Aug. 11	450	12.20	150,000,000
1859: Jan. 23	300	32.70	600,000,000

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1865: Dec. 30	120	NA	NA
1868: Mar. 27	15	9.10	190,000,000
1870: Jan. 1 (?)	14	NA	NA
1871: Aug. 1 (?)	30	NA	NA
1872: Aug. 10	60	NA	NA
1873: Jan. 6	2 (?)	NA	NA
Apr. 20	547	NA	NA
1875: Jan. 10	30	NA	NA
Aug. 11	7	NA	NA
1876: Feb. 13	short	NA	NA
1877: Feb. 14	10	NA	NA
1880: May 1	6	NA	NA
Nov. 1	280	24.00	300,000,000
1887: Jan. 16	10	11.30	300,000,000
1892: Nov. 30	3	NA	NA
1896: April 21	16	NA	NA
1899: July 4	19	16.20	200,000,000
1903: Oct. 6	60	NA	NA
1907: Jan. 9	15	8.10	100,000,000
1914: Nov. 25	48	NA	NA
1916: May 19	14	6.60	80,000,000
1919: Sept. 29	short	9.20	350,000,000
1926: Apr. 10	short	13.40	150,000,000
1933: Dec. 2	17	2.00	100,000,000
1935: Nov. 21	42	13.80	160,000,000
1940: Apr. 7	133	3.90	100,000,000
1942: Apr. 26	13	10.60	100,000,000
1943: Nov. 21	3	NA	NA
1949: Jan. 6	145	5.60	77,000,000
1950: June 1	23	35.00	600,000,000
1975: July 5	<1	5.20	35,000,000
1984: March 25	22	11.00 ±	230,000,000

NA = Not available.

1/ Still in progress, May 2001. As of that time, there have been 55 separate episodes. These had destroyed 185 housing units and added over 550 acres to the area of the island.

Source: Hawaii State Department of Planning and Economic Development, Hawai'i, the Natural Environment (1974), p.22; Hawaii State Department of Business and Economic Development, State of Hawaii Data Book, 1988 (November 1988), table 151; and U.S. Geological Survey's Hawaiian Volcano Observatory, records.

