

Correlation of Earthquakes and Volcanic Eruptions

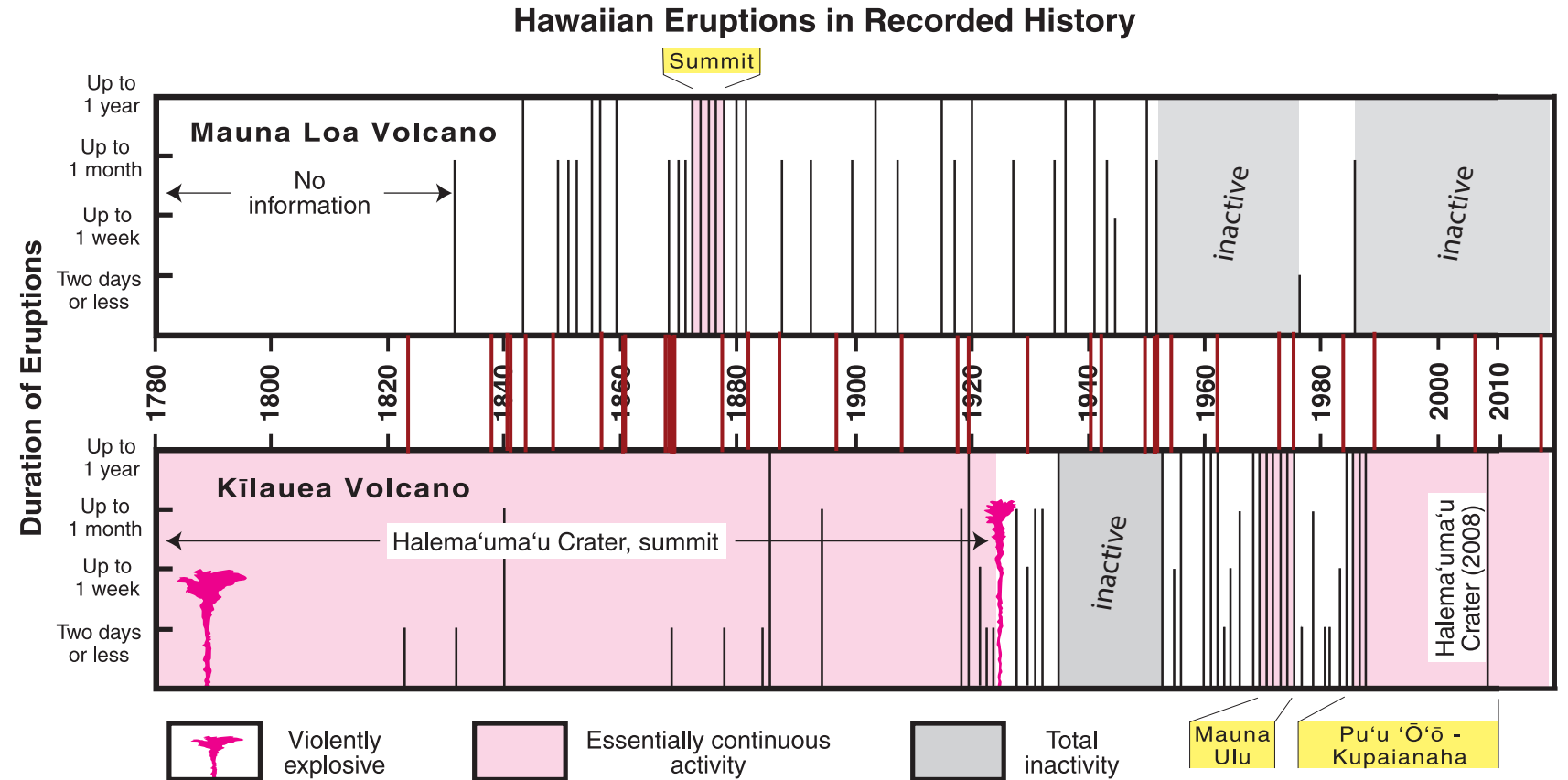
Paul Okubo

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Graph summarizing the eruptions of Mauna Loa and Kīlauea Volcanoes during the past 200 years. The Pu'u 'Ō'ō-Kupaianaha eruption has continued into the 21st century. Information is sketchy for eruptions before 1823, when the first missionaries arrived on the Island of Hawai'i. The total duration of eruptive activity in a given year, shown by the length of the vertical bar, may be for a single eruption or a combination of several separate eruptions.

Figure from Tilling and others [2010], USGS General Information Product 117, adapted to include M6 and larger earthquakes beneath the Island of Hawai'i and adjacent regions since 1823, as reported by USGS National Earthquake Information Center. Earthquakes are shown as vertical red bars between the volcano timelines. Periods of complete volcanic inactivity also indicated.