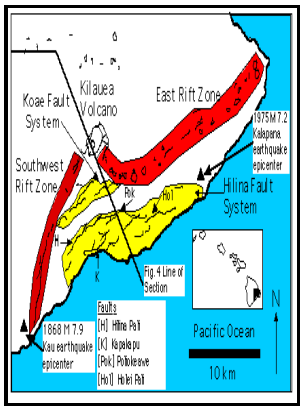
Ground deformation associated with the 1975 magnitude-7.2 earthquake and resulting changes in activity of Kilauea Volcano, Hawaii

U.S. G.P.O. - Volcano Updates



Description: -
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Kilauea Volcano (Hawaii) -- Eruption, 1975.
Earthquakes -- Hawaii.
Earth movements -- Hawaii -- Kilauea Volcano.Ground deformation associated with the 1975 magnitude-7.2 earthquake and resulting changes in activity of Kilauea Volcano, Hawaii
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Biblical introduction series
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U.S. Geological Survey professional paper ;Ground deformation associated with the 1975 magnitude-7.2 earthquake and resulting changes in activity of Kilauea Volcano, Hawaii
Notes: Bibliography: p. 44-45.
This edition was published in 1985

Filesize: 34.49 MB

Tags: #The #Ninole #Basalt #— #Implications #for #the #structural #evolution #of #Mauna #Loa #volcano, #Hawaii

Quaternary Fault and Fold Database of the United States

Mauna Loa 1974-1984: a decade of intrusive and eruptive activity. The aviation color code is being raised to RED and the volcano alert level to WARNING.

References Cited

Shallow normal faulting on the south flank coast has several implications regarding kinematic models of wedge-shaped mobile volcanic flanks, geodetic measurements of displacement on volcanic flanks, and hazard assessment. Thermal springs and fumaroles located on and near the volcano indicate an active hydrothermal system.

Olancha Earthquake Sequence (2009)

James Kellogg and William Chadwick provided fault offset data from their Hilina fieldwork. Kalapana Earthquake Ground Fracture and Fault Offset Data The first step in understanding past faulting behavior of the Hilina fault system requires study of the ground fracture and fault offsets from the Kalapana earthquake. This underscores the extremely hazardous nature of Kīlauea caldera rim surrounding Halema‘uma‘u crater, an area that has been closed to the public since late 2007.

The 2012 Kilauea Volcano, Hawai'i, Slow

This means volcanic activity has decreased significantly but continues to be closely monitored for renewed activity. Rapid detection of an ash-producing eruption would be accomplished using a combination of seismic, infrasound, lightning, and satellite data. AVO is evaluating all data sources and will provide more information as it becomes available.

Ground Deformation, Gravity, and Magnetics

AVO also uses satellite imagery to monitor Great Sitkin Volcano.

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