Hawaiian Volcanoes - Recent Eruptions

Recent Eruptions of Kilauea

Chain of Craters Road, Kilauea volcano, on Hawaii


Pu’u O’o Flows: 1983 – present

Mauna Ulu Flows -

A’a (blocky, rough, jagged, spiny surface)

Pahoeheoe (smooth, billowy, ropy surface)

Lava Cascade into Aloi Crater - Mauna Ulu eruption

Road was Destroyed

Mauna Ulu Aa lava flow

Mauna Ulu Pahoeheoe Flows

Pali = steep slope formed by faulting
SE coast of Kilauea

Current eruptions from Pu’u O’o and Kapaianaha vents further east, began 1/83
Longest continuous Hawaiian eruption in 5 centuries

Destroyed coastal road, village of Kalapana and Royal Gardens development

Jan. 1983 - Pu‘u O’o eruption begins

Lava has covered the Coastal Road

Lava Tube empties into Ocean - 1995

Pu‘u O’o Vent

Map – Recent Eruptions – updated Nov. 2004

January 2001 lava flows – lava enters Royal Gardens Subdivision

January 2002 lava flows – lava erupts on Kamoamoa Beach

January 2003 – lava eruption at Paliuli (Pali Uli)

January 2004 – activity in Pu‘u O’o crater – source of recent eruptions

Map showing locations of Kamoamoa and Pali Uli and Pu‘u O’o

That was Kilauea, now Mauna Kea

Mauna Kea from Saddle Road

Cinder Cones on Mauna Kea

Review Volcanic History - (see handout)

The Hawaiian Islands

Geologic Map of Maui – represents renewed volcanism stage #5
Waterfalls and Black Sand Beaches, Hana highway, NE Maui Coast

Seven Sacred Pools (SE of Hana)

Geologic Map of Maui

Weird rocks on north Maui

Haleakala Summit at Sunrise

Rocks at Haleakala Summit (renewed volcanism stage)

The Bikers

Hawaiian Sunset

Pele’s tears

Tree molds

Volcanic Bombs