

Monitoring Kīlauea's Vital Signs

A hands-on exploration of the technologies that monitor

Hawai`i's dynamic volcano

Saturday, July 25th, 2009

8:00 AM - 1:30 PM

Join the *Friends of Hawai`i Volcanoes National Park* for our
7th Annual Kīlauea Seminar and Kīlauea Lodge luncheon,
featuring Volcano wine and fresh island cuisine.

This year's program provides still another way of understanding our famous volcano. Hosted by geophysicist **Michael Poland** of the U.S. Geological Survey, the morning's adventure begins at 8 AM in the Kīlauea Visitor Center Auditorium with a brief PowerPoint overview of current tools and methods used to detect the constant changes in Kīlauea including an introduction to deformation and gas emissions.

Following this introduction, we proceed to the Steaming Bluffs parking area for a morning of conducting volcano monitoring exercises. The group will divide in two for more individual hands-on opportunities. Each group will have the opportunity to measure volcanic gases with geochemist Jeff Sutton and, when the groups switch mid-morning, conduct leveling and kinematic GPS surveys with geophysicist Mike Poland.

After several hours in the field the entire group will reconvene at Hawaiian Volcano Observatory. There, participants will be able to compare data collected during the morning with previously collected scientific measurements. A synthesis of the day including current eruption theories as they relate to recent volcanic events will be discussed. Specifically, our presenters will delve into noteworthy recent events, including the change in the east rift zone eruption site in mid 2007 and the start of a summit eruption in March of 2008. There will be an opportunity to tour the Hawaiian Volcanoes Observatory and see real time data feeds from a variety of monitoring instruments.

After the field portion of the seminar, the group reconvenes at Volcano's famed Kīlauea Lodge, where our seminar leaders will join us for lunch and continuing informal discussion of the morning's expedition.

This program is rated easy to moderate with light hiking along established trails and roads. Snacks and lunch at Kilauea Lodge are included. The maximum number of participants is 30. Registration deadline is July 21st.

The cost of this field seminar is \$60 for Friends' members,
\$70 for non-members.

\$30 and \$40, respectively, are tax deductible.

Reservations are made by calling the Friends' Office at **985-7373** or emailing **admin@fhvnp.org**. Your participation is confirmed when we receive a check payable to the

Friends of Hawai`i Volcanoes National Park

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