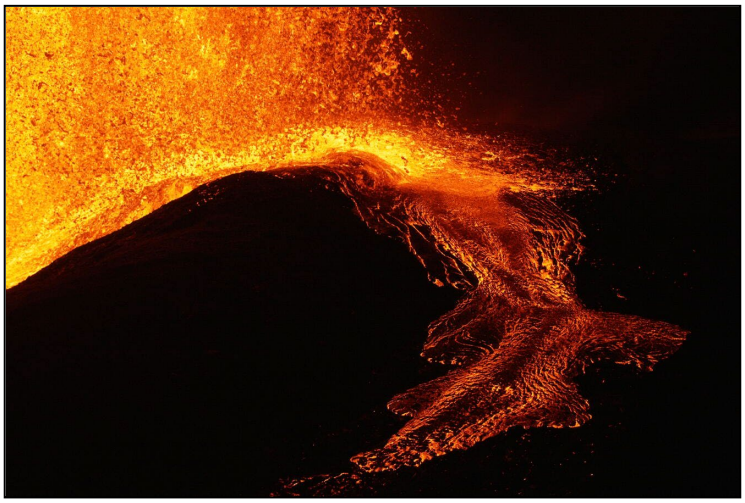


Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Events are free and open to the public! *Come learn from scientists who monitor earthquakes and volcanic activity in Hawaii.*				**1** *Holiday*	**2 Table** 10 am–2 pm **Pacific Tsunami Museum** *Volcanoes and Tsunamis*
4	**5 Talk** 7 pm **Hawai‘i Volcanoes National Park** *Kīlauea update*	**6**	**7 Talk Story** 9 am **Hawai‘i Volcanoes National Park** *Kīlauea volcanic gas emissions*	**8**	**9**
11	**12 Talk** 7 pm **Hawai‘i Volcanoes National Park** *Volcanoes in Art & History*	**13 Talk** 2 pm **Kailua-Kona Library** *Earthquake hazards*	**14 Talk** 6 pm **UH-Hilo** *Volcanoes in the movies*	**15 Talk Story** 10 am **Hawai‘i Volcanoes National Park** *Monitoring network*	**16 Talk** 10 am **Hawai‘i Volcanoes National Park Kahuku Unit** *Kīlauea update*
18 *Holiday* **Hike** 10 am **Hawai‘i Volcanoes National Park** *Koa‘e cracks*	**19 Talk** 7 pm **Hawai‘i Volcanoes National Park** *Scientist-in-Charge reflections*	**20 Talk** 4 pm **Kealakekua Library** *Earthquake Hazards*	**21 Talk** 5:30 pm **Imiloa Astronomy Center** *Kīlauea update*	**22 Hike** 10 am **Hawai‘i Volcanoes National Park** *Maunaulu*	**23 Table** 8 am–2:30 pm **UH-Hilo** *Astronaut Ellison Onizuka Science Day*
25 Talk 6 pm **UH-Hilo** *Can Artificial Intelligence help monitor Kīlauea?*	**26 Talk** 7 pm **Hawai‘i Volcanoes National Park** *Disaster recovery project update*	**27 Talk Story** 1–4 pm **Nā‘ālehu Library** *HVO monitoring and resources*	**28 Talk** 6 pm **UH-Hilo** *Kīlauea update*	**29 Talk Story** 10 am **Hawai‘i Volcanoes National Park** *What’s shaking? Seismic Team*	**30**

Details are provided on the following pages.

Questions? Email askHVO@usgs.gov.



Saturday, January 2: TABLE

Volcanoes and Tsunamis—Come to Know the Flows

The USGS Hawaiian Volcano Observatory monitors earthquakes and volcanoes in Hawaii and American Samoa. Several local earthquakes within the past two centuries have generated local tsunamis in Hawaii. Join **USGS-Hawaiian Volcano Observatory geologist Kendra J. Lynn and field engineer Miki Warren** as they share volcano and earthquake resources during the Pacific Tsunami Museum First Saturday free admission event, which honors volcanic heritage, explores the connection between volcanoes and tsunamis, and promotes community awareness and preparedness. *USGS photo: Spatter-fed lava flow during episode 53 of lava fountaining from the north vent in Halemaʻumaʻu at Kīlauea summit on August 12, 2026.*

- **When:** 10 a.m.–2 p.m.
- **Where:** Pacific Tsunami Museum, 130 Kamehameha Avenue, Hilo, HI 96720 (https://tsunami.org/)

Tuesday, January 5: TALK

Kīlauea update: Eruptions, insights, and what's next…



More than 50 episodes of lava fountains have erupted within the summit caldera of Kīlauea since December 23, 2024. Scientists have been able to provide forecast windows for when fountaining could start, and they document changes to the landscape, including growth of a cone on the crater rim and tephra deposits downwind. The tallest lava fountains in the first part of 2026 resulted in tephra fall in areas around Kīlauea summit, causing temporary closures of Hawaiʻi Volcanoes National Park and Highway 11. In August 2026, activity shifted away from lava fountaining, with new vents passively erupting on the caldera floor briefly in September and an intrusion beneath the surface accompanied by earthquakes and new ground cracks at the beginning of October. How was this activity monitored? What does this shift in eruptive style mean? What might Kīlauea do next? Join **USGS Hawaiian Volcano Observatory geologist Mike Zoeller** as he answers these questions and more. Variations of this presentation will be repeated by different speakers at the Kahuku Unit of Hawaiʻi Volcanoes National Park on January 16, Imiloa Astronomy Center on January 21, and the University of Hawaiʻi at Hilo on January 28. *USGS photo: Lava fountains from the north vent in Halemaʻumaʻu during episode 54 on August 25, 2026.*

- **When:** 7 p.m.
- **Where:** Kīlauea Visitor Center Auditorium in Hawaiʻi Volcanoes National Park, 1 Crater Rim Drive, Volcano, HI 96785 (entrance fees may apply, http://www.nps.gov/havo/planyourvisit/directions.htm)

Thursday, January 7: TALK STORY

Kīlauea's summit volcanic gas emissions & monitoring challenges



During and between eruptive episodes at the summit of Kīlauea, volcanic gas is emitted. The amounts vary greatly depending on eruptive activity, and challenges to measuring emission rates have been introduced by shifting wind conditions, access roads being buried by tephra, and monitoring equipment being buried and damaged. As sulfur dioxide is transported downwind, it reacts in the atmosphere to form the visible haze that is observed downwind of Kīlauea, known as vog. Come talk story with **USGS-Hawaiian Volcano Observatory volcano gas specialist Tricia Nadeau**, as she describes the gas characteristics of Kīlauea and the far-reaching hazards associated with emissions. *USGS photo: Outgassing plume from Kīlauea during episode 53 of lava fountaining on August 12, 2026.*

- **When:** 9 a.m.
- **Where:** Uēkahuna Overlook in Hawai'i Volcanoes National Park (entrance fees may apply, https://www.nps.gov/havo/planyourvisit/directions.htm)



Tuesday, January 12: TALK

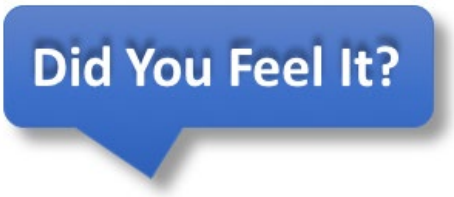
Volcanoes in art and history

What do Mary Shelley's Frankenstein, impressionist art, the French Revolution, and the Panama Canal have in common? They were all influenced by volcanic activity! Volcanoes impact where people live, what people eat, art, literature, and even the outcomes of wars in ways we don't often think about. Join **University of Hawai'i at Hilo geology professor Lis Gallant** as she highlights the deep ties between art, history, and volcanoes and breaks down the science behind what has captivated humans for millennia. *USGS photo: Kīlauea summit eruption on December 9, 2021.*

- **When:** 7 p.m.
- **Where:** Kīlauea Visitor Center Auditorium in Hawai'i Volcanoes National Park, 1 Crater Rim Drive, Volcano, HI 96785 (entrance fees may apply, http://www.nps.gov/havo/planyourvisit/directions.htm)

Wednesday, January 13: TALK

When the ground shakes: understanding earthquake hazards in Hawaii



The magnitude-6 earthquake beneath the west side of the Island of Hawai'i on May 22 this year was felt statewide. It damaged homes, triggered rockfalls, and caused power outages. This earthquake was just one among tens of thousands of earthquakes that occur each year in Hawaii, which is one of the most seismically active locations in the United States. Join **Ninfa Bennington, USGS Hawaiian Volcanic Observatory seismologist**, as she talks about the different types of earthquakes in Hawaii and which have been most damaging in the recent past. Learn how earthquakes are monitored, how you can participate in the process of earthquake monitoring and ways that you can prepare and react when you experience the ground shaking. This presentation will be repeated by a different speaker at the Kealakekua Public Library on January 20. *USGS graphic: Did You Feel It? Report felt earthquakes here: https://earthquake.usgs.gov/data/dyfi/index.php.*

- **When:** 2 p.m.
- **Where:** Kailua-Kona Public Library, 75-138 Hualalai Rd, Kailua Kona, HI 96740 (https://www.librarieshawaii.org/branch/kailua-kona-public-library/)



Thursday, January 14: TALK

Lights, camera, action! Volcanoes in the movies

What happens when you mix Hollywood and volcanoes? We'll examine how volcanic eruptions are portrayed on the silver-screen and separate cinematic fiction from scientific fact. Join **University of Hawai'i at Hilo geology professor Thomas Lee** for an entertaining look at whether blockbuster favorites such as *Dante's Peak* and *Volcano* get a passing grade in Geology! *UH-Hilo photo: Thomas Lee in 2025.*

- **When:** 6 p.m.
- **Where:** University of Hawai'i at Hilo Wentworth Building (Bldg 348) Room 1, Main Campus, 200 West Kawili Street, Hilo, HI 96720 (https://hilo.hawaii.edu/uhh/maps.php)

Friday, January 15: TALK STORY

Talk Story with HVO Field Engineers



Field engineers maintain the network of instrumentation in Hawaii that allows scientists to monitor volcanic activity below and above the ground surface. Eruption and weather-related challenges to maintaining instrumentation over the past year have included tephra fall from lava fountains at the summit of Kīlauea, which have buried monitoring equipment and shattered solar panels, as well as historic Kona Low storms and hurricanes that affected the network telemetry. Join **USGS Hawaiian Volcano Observatory field engineers Kevan Kamibayashi and Miki Warren** as they describe creative solutions to these challenges, which enable scientists to continue monitoring volcanic activity. *USGS photo: Field engineers service a volcano-monitoring station on the west flank of Mauna Loa.*

- **When:** 10–11 a.m.
- **Where:** Uēkahuna Overlook in Hawai'i Volcanoes National Park (entrance fees may apply, https://www.nps.gov/havo/planyourvisit/directions.htm)



Saturday, January 16: TALK

Kīlauea update: Eruptions, insights, and what's next…

More than 50 episodes of lava fountains have erupted within the summit caldera of Kīlauea since December 23, 2024. Scientists have been able to provide forecast windows for when fountaining could start, and they document changes to the landscape, including growth of a cone on the crater rim and tephra deposits downwind. The tallest lava fountains in the first part of 2026 resulted in tephra fall in areas around Kīlauea summit, causing temporary closures of Hawai'i Volcanoes National Park and Highway 11. In August 2026, activity shifted away from lava fountaining, with new vents passively erupting on the caldera floor briefly in September and an intrusion beneath the surface accompanied by earthquakes and new ground cracks at the beginning of October. How was this activity monitored? What does this shift in eruptive style mean? What might Kīlauea do next? Join **USGS Hawaiian Volcano Observatory geologist Natalia Deligne** as she answers these questions and more. Variations of this presentation will be repeated by different speakers

at Hawai‘i Volcanoes National Park on January 5, Imiloa Astronomy Center on January 21, and the University of Hawai‘i at Hilo on January 28. *USGS photo: Scientists monitor Kīlauea summit lava fountaining episode 49 on June 14, 2026.*

- **When:** 10 a.m.
- **Where:** Kahuku Unit Visitor Contact Station, Hawai‘i Volcanoes National Park, mile marker 70.5 on Highway 11 (https://www.nps.gov/havo/images/HAVO_Kahuku-Map.jpg)

Monday, January 18: GUIDED HIKE

Following the cracks: the Koa‘e fault system of Kīlauea



The Koa‘e fault system connects Kīlauea’s East and Southwest Rift Zones south of the caldera. Faults here appear as low cliffs, or “scarps,” along Hilina Pali Road in Hawai‘i Volcanoes National Park and the area provides an important long-term record of Kīlauea south flank motion. These faults slip during major earthquakes, such as those of May 4, 2018—near the beginning of Kīlauea’s 2018 eruption. Join **University of Hawai‘i at Hilo geology professor Steve Lundblad** as he describes how geology students track ground movements in the Koa‘e fault system, measuring active faults and tracking magmatic intrusions. Explore the fault system on-the-ground and learn how their measurements complement USGS Hawaiian Volcano Observatory geodetic instruments to keep track of this active part of Kīlauea volcano. *USGS photo: UH-Hilo students take level readings during a Koa‘e fault system survey.*

- **When:** 10 a.m.–12 p.m.
- **Where:** Kulanaokuaiki Campground in Hawai‘i Volcanoes National Park (entrance fees may apply, https://www.nps.gov/havo/planyourvisit/directions.htm)
- **Amenities:** vault toilet at the parking lot; no running water
- **Estimated distance:** 1 mile (1.6 km) round-trip
- **Walk rating:** easy, but crosses loose, gravel-like lava fragments and rough, uneven surfaces
- **For your safety:** wear sturdy closed-toe walking shoes; bring protective gear for sun and rain; bring drinking water
- **More info:** https://www.nps.gov/havo/planyourvisit/kulanaokuaiki-campground.htm



Tuesday, January 19: TALK

An eruptive tenure: reflections on six years as Scientist-in-Charge

After six years leading the USGS Hawaiian Volcano Observatory, Ken Hon will retire in December 2026. Ken’s career spans nearly four decades—from the Pu‘u‘ō‘ō eruption on the East Rift Zone of Kīlauea in the late 1980s to leading the observatory through nine eruptions at Kīlauea and Mauna Loa and thousands of earthquakes across Hawaii and American Samoa between 2020–2026. Under Ken’s leadership, the USGS Hawaiian Volcano Observatory launched its first livestreaming cameras, expanded monitoring networks, strengthened partnerships, and supported communities through rapidly changing volcanic conditions. He also helped move forward new USGS facilities that will serve future generations of scientists. **Join Ken Hon, former Scientist-in-Charge at the USGS Hawaiian Volcanic Observatory,** as he reflects on the activity and challenges during his tenure of leadership at the observatory. *USGS photo: Ken Hon monitors fountaining episode 4 at the summit of Kīlauea on January 17, 2025.*

- **When:** 7 p.m.
- **Where:** Kīlauea Visitor Center Auditorium in Hawai‘i Volcanoes National Park, 1 Crater Rim Drive, Volcano, HI 96785 (entrance fees may apply, http://www.nps.gov/havo/planyourvisit/directions.htm)



Wednesday, January 20: TALK

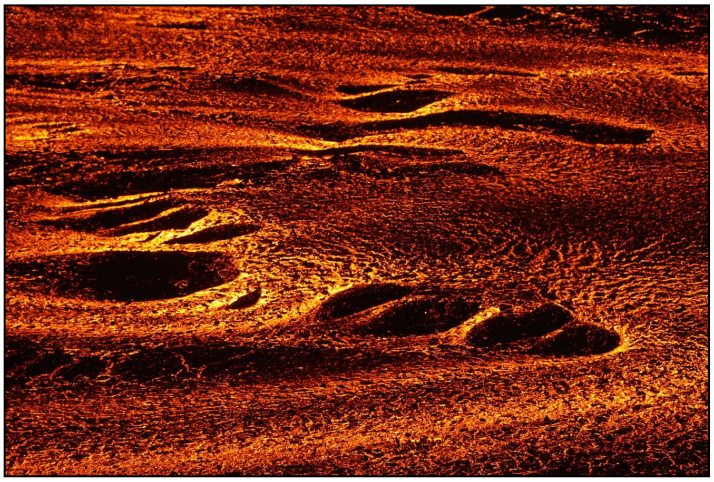
When the ground shakes: understanding earthquake hazards in Hawaii

The magnitude-6 earthquake beneath the west side of the Island of Hawai‘i on May 22 this year was felt statewide. It damaged homes, triggered rockfalls, and caused power outages. This earthquake was just one among tens of thousands of earthquakes that occur each year in Hawaii, which is one of the most seismically active locations in the United States. Join **Jefferson Chang, USGS Hawaiian Volcanic Observatory seismologist,** as he talks about the different types of earthquakes in Hawaii and which have been most damaging in the recent past. Learn how earthquakes are monitored, how you can participate in the process of earthquake monitoring and ways that you can prepare and react when you experience the ground shaking. This presentation will be repeated by a different speaker at the Kailua-Kona Public Library on January 13. *USGS photo: cracks on Kīlauea caldera formed as earthquakes and ground deformation accompanied an intrusion beneath the area on September 30–October 1, 2026.*

- **When:** 4 p.m.
- **Where:** Kealakekua Public Library, 81-6619 Hawaii Belt Rd, Kealakekua, HI 96750 (https://www.librarieshawaii.org/branch/kealakekua-public-library/)

Thursday, January 21: TALK

Kīlauea update: Eruptions, insights, and what’s next…



More than 50 episodes of lava fountains erupted within the summit caldera of Kīlauea since December 23, 2024. Scientists have been able to provide forecast windows for when fountaining could start, and they document changes to the landscape, including growth of a cone on the crater rim and tephra deposits downwind. The tallest lava fountains in the first part of 2026 resulted in tephra fall in areas around Kīlauea summit, causing temporary closures of Hawai‘i Volcanoes National Park and Highway 11. In August 2026, activity shifted away from lava fountaining, with new vents passively erupting on the caldera floor briefly in September and an intrusion beneath the surface accompanied by earthquakes and new ground cracks at the beginning of October. How was this activity monitored? What does this shift in eruptive style mean? What might Kīlauea do next? Join **USGS Hawaiian Volcano Observatory acting Scientist-in-Charge David Phillips** as he answers these questions and more. Variations of this presentation will be repeated by different speakers at Hawai‘i Volcanoes National Park on January 5, the Kahuku Unit of Hawai‘i Volcanoes National Park on January 16, and the University of Hawai‘i at Hilo on January 28. *USGS photo: small lava channels on Halema‘uma‘u crater floor during episode 45 of lava fountaining at Kīlauea summit on April 23, 2026.*

- **When:** 5:30 p.m.
- **Where:** Imiloa Astronomy Center, 600 Imiloa Place, Hilo, HI 96720 (entrance fees may apply, https://imiloahawaii.org/)

Friday, January 22: GUIDED HIKE

Hike where lava fountained and flowed: the 1969–74 Maunaulu eruption



Volcanologist Cheryl Gansecki will lead a guided walk beginning along the fissure that started the Maunaulu eruption on the upper East Rift Zone of Kīlauea on May 24, 1969. The eruption went on for another five years and was characterized by 12 lava fountaining episodes that transitioned to continuous eruption of lava flows which eventually reached the ocean. The eruption ultimately built a lava shield, Maunaulu ("growing mountain"). The first part of the walk is an exploration of the initial fissures and remarkable volcanic features in the area for about 1 hour/1 mile (1.6 km). For those wanting a little more adventure, the hike will then continue to the Maunaulu shield and explore features such as a perched pond, lava channels and summit crater. That part of the walk will be an additional 2 hours and 2.8 miles (4.5 km) roundtrip. During the walk, Cheryl will describe the Maunaulu eruptions and discuss how fissures form, lava fountains erupt, and how these eruptions create the landscape you see. *USGS photo: Maunaulu fissure features in foreground, with Maunaulu shield visible in the background.*

- **When:** 10 a.m.–11 a.m. or 1:00 p.m.
- **Where:** Maunaulu in Hawai'i Volcanoes National Park (entrance fees may apply, https://www.nps.gov/havo/planyourvisit/directions.htm)
- **Amenities:** vault toilet at the parking lot; no running water
- **Estimated distance:** 1 mile (1.6 km) or 4 miles (6.4 km) total round-trip (with optional longer hike)
- **Walk rating:** easy, but crosses loose, gravel-like lava fragments and rough, uneven surfaces; longer hike is moderate with about 240 feet (75 meters) of elevation change
- **For your safety:** wear sturdy closed-toe walking shoes; bring protective gear for sun and rain; bring drinking water and snacks or lunch if you plan to do the longer hike option
- **More info:** https://www.nps.gov/havo/planyourvisit/upload/mauna_ulu_trail_guide.pdf and https://www.nps.gov/havo/planyourvisit/hike_day_puuhuluhulu.htm



Saturday, January 23: BOOTH

Ellison Onizuka Day

With the blessing of the Onizuka family, the team at the Pacific International Space Center for Exploration Systems (PISCES), along with the Hawaii Science and Technology Museum, invite you to participate in Astronaut Ellison Onizuka Science Day at the University of Hawai'i at Hilo on January 23, 2027! This free, family friendly event is open to the public and will feature exciting exhibits from local organizations and companies, plus fun, hands-on workshops for keiki in grades 3-12. **USGS Hawaiian Volcano Observatory field engineers Miki Warren and Raymond Adams,** both graduates of the University of Hawai'i at Hilo, will be hosting a table with volcano information at this event. More information on this event is available at: https://pacificspacecenter.com/onizuka-science-day/. *USGS photo: Scientists host a volcano information table at a Hawaii County event in July 2025.*

- **When:** 8 a.m.–2:30 p.m.
- **Where:** University of Hawai'i at Hilo main campus, 200 West Kawili Street, Hilo, HI 96720 (https://hilo.hawaii.edu/uhh/maps.php)

Monday, January 25: TALK

Can Artificial Intelligence (AI) help monitor Kīlauea?



VULCAN-AI is a University of Hawai‘i (UH) research project exploring where artificial intelligence can support volcano monitoring. In this talk, **a student team from UH-Hilo and UH-Mānoa, including Kye Steele, Samuel Watson, and Cee Cee Crabtree**, shares what they are building using data and updates from the USGS Hawaiian Volcano Observatory (HVO): tools that help count, compare, and explain data, with every result checked against the observatory's official record. We will be honest about what worked, what did not, and why authoritative forecasts and warnings stay with HVO. Bring your questions about how these tools work, what they can and cannot see, and how they might help the people who live with Kīlauea. *USGS photo: The final stages of lava fountaining during episode 49 at the summit of Kīlauea on June 14, 2026.*

- **When:** 6 p.m.
- **Where:** University of Hawai‘i at Hilo Wentworth Building (Bldg 348) Room 1, Main Campus, 200 West Kawili Street, Hilo, HI 96720 (https://hilo.hawaii.edu/uhh/maps.php)



Tuesday, January 26: TALK

The road to recovery: an update on projects after the 2018 disaster

Following the destructive lower East Rift Zone eruption and summit collapse of Kīlauea in 2018, the U.S. Geological Survey and National Park Service were supported by the Additional Supplemental Appropriations for Disaster Relief Act of 2019 (H.R. 2157) for recovery and rebuilding activities. Join **Hawai‘i Volcanoes National Park environmental protection specialist Danielle Foster and USGS Hawaiian Volcano Observatory acting Scientist-in-Charge David Phillips** as they describe progress on various recovery projects, including Kīlauea Visitor Center renovations and construction of the USGS Hawaiian Volcano Observatory field station. *USGS photo: A portion of Crater Rim Drive in Hawai‘i Volcanoes National Park that was damaged in 2018; photograph taken in 2021.*

- **When:** 7 p.m.
- **Where:** Kīlauea Visitor Center Auditorium in Hawai‘i Volcanoes National Park, 1 Crater Rim Drive, Volcano, HI 96785 (entrance fees may apply, http://www.nps.gov/havo/planyourvisit/directions.htm)



Wednesday, January 27: TALK STORY

Hawaiian Volcano Observatory resource table and talk story

Come talk story with **USGS Hawaiian Volcano Observatory chief field engineer Kevan Kamibayashi** as he hosts a table of resources from 1:00–4:00 p.m. at the Nā‘ālehu Public Library. Do you have questions about the Kīlauea summit eruption, volcanic hazards, how eruptions are monitored, or what it's like working for a volcano observatory? Kevan, who has worked for the Hawaiian Volcano Observatory for over 25 years, will be available to answer those questions and more. Come talk story, browse resources, and learn more about the volcanoes in your backyard. *USGS photo: Kevan Kamibayashi conducts maintenance on a volcano-monitoring station located in American Samoa in 2023.*

- **When:** 1–4 p.m.
- **Where:** Nā‘ālehu Public Library, 95-5669 Mamalahoa Highway, Naalehu, HI 96772 (https://www.librarieshawaii.org/branch/naalehu-public-library/)



Thursday, January 28: TALK

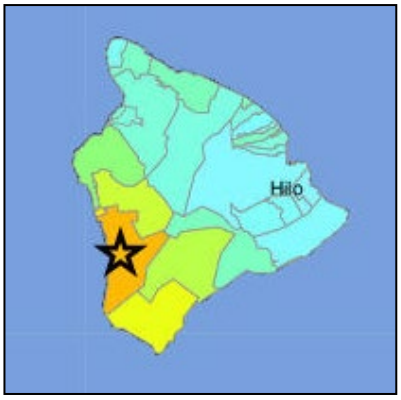
Kīlauea update: Eruptions, insights, and what's next…

More than 50 episodes of lava fountains have erupted within the summit caldera of Kīlauea since December 23, 2024. Scientists have been able to provide forecast windows for when fountaining could start, and they document changes to the landscape, including growth of a cone on the crater rim and tephra deposits downwind. The tallest lava fountains in the first part of 2026 resulted in tephra fall in areas around Kīlauea summit, causing temporary closures of Hawai'i Volcanoes National Park and Highway 11. In August 2026, activity shifted away from lava fountaining, with new vents passively erupting on the caldera floor briefly in September and an intrusion beneath the surface accompanied by earthquakes and new ground cracks at the beginning of October. How was this activity monitored? What does this shift in eruptive style mean? What might Kīlauea do next? Join **USGS Hawaiian Volcano Observatory geologist Matt Patrick** as he answers these questions and more. Variations of this presentation will be repeated by different speakers at Hawai'i Volcanoes National Park on January 5, the Kahuku Unit of Hawai'i Volcanoes National Park on January 16, and the Imiloa Astronomy Center on January 21. *USGS photo: Dual lava fountains erupted at the summit of Kīlauea on February 15, 2026, during lava fountaining episode 42.*

- **When:** 6 p.m.
- **Where:** University of Hawai'i at Hilo Wentworth Building (Bldg 348) Room 1, Main Campus, 200 West Kawili Street, Hilo, HI 96720 (https://hilo.hawaii.edu/uhh/maps.php)

Friday, January 29: TALK STORY

What's shaking? Seismic update



The Island of Hawai'i is among areas of the United States with the highest seismic hazard. The thousands of earthquakes that occur in the State of Hawaii each year are monitored by the USGS Hawaiian Volcano Observatory. Join **USGS Hawaiian Volcano Observatory seismic analyst Peter Dotray and Research Corporation of the University of Hawai'i geophysicist Maddie Hawk,** as they describe their role in determining an earthquake's magnitude, location, and depth, as well as the network of instrumentation across the landscape that allows these determinations to be made. *USGS figure: shaking intensity during the magnitude-6 earthquake that occurred beneath the west side of the Island of Hawai'i on May 22, 2026.*

- **When:** 10 a.m.
- **Where:** Wahinekapu (Steming Bluff) overlook in Hawai'i Volcanoes National Park (entrance fees may apply, http://www.nps.gov/havo/planyourvisit/directions.htm)