

## National Weather Service Storm Data and Unusual Weather Phenomena



February 1999 Time Local/ Path Length Number of Estimated Persons Width Damage **HAWAII** HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast **High Surf** Swell from the north of the Hawaiian Islands produced surf of 4 to 6 feet along north shores. **HIZ004 Kauai Mountains** 0000HST 0730HST Light Snow Snow showers were observed over the summit, which led to the closing of the road to the Mauna Kea summit HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast 2030HST 2030HST High Surf An increasing trade wind swell produced surf of 6 to 10 feet along east shores of all the Hawaiian islands HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast A storm that passed to the north of the Hawaiian islands generated large swells from 10 to 15 feet along north shores, and 4 to 6 feet along west shores of the islands. **HIZ003** Kauai Leeward 1100HST High Wind (59) 0400HST High winds toppled eucalyptus trees near Seabury Hall and along Kaupakalua Road. A large tree near Seabury Hall broke two power poles, leaving 125 customers in the Olinda area along Piiholo Road without electrical service. Another falling eucalyptus tree was blamed for snapping conductor wires along Kaupakalua Road that affected about 50 homes in that area and Kokomo. At 8:00 pm at Haleakala, the peak gust was 68 mph and the highest sustained wind speed was 48 mph. HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast 1200HST 0400HST **High Surf** An open ocean swell from a storm near Japan generated surf of 8 to 12 feet along north shores of the Hawaiian islands. HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast Two separate storm systems-one near Japan and one near the Gulf of Alaska-produced 8 to 12-foot surf along many north-facing beaches of the Hawaiian Islands. On Oahu, a Marine's (military) body was never found after a four-day search at sea. He had been walking on a rocky ledge at the Mokulua islands (a mile offshore from Lanikai) when a wave knocked him into the ocean on 12 February. M21IV HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast 0300HST 0830HST **High Surf** An intense storm south and east of New Zealand caused surf of 6 to 10 feet along south shores of all Hawaiian Islands. The New Zealand storm on 10 February had 50-knot winds and was 5,400 miles south of Hawaii, moving from Antarctica toward South America. On Oahu, high surf tore loose a navigational buoy marking the Ala Wai Boat Harbor channel. Lifeguards reported 20 rescues-mostly in the Waikiki area. A veteran surfer at Black Point reported that he was among about 25 surfers that were riding

waves up to 20 feet on the morning of 16 February.



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February 1999 Time Local/ Path Length Path Width Number of Estimated Persons Damage **HAWAII** HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast **High Surf** Swells from a storm far northwest of the Hawaiian Islands caused surf of 6 to 10 feet along the north and west shores of the islands. **Hawaii County** Hawi to Halaula 20 Urban/Sml Stream Fld 2000HST Heavy showers, over the district of North Kohala, caused widespread flooding of low lying areas and landslides. A landslide in the Kapa'au area caused a boulder to block half of highway 270 at mile marker 24. **Hawaii County** Honokaa to Pahala 0815HST 2000HST 0 20 0 **Urban/Sml Stream Fld** Minor flooding and small debris on roads were observed for this event, including ponding of water in low-lying areas. Hawaii County Honokaa to Hilo 1830HST 0750HST 0 Urban/Sml Stream Fld Upper level trough and moist unstable airmass produced heavy rain that caused minor flooding along the island's entire east coast. There were crop damages due to runoff and erosion, including pot holes on roads. Bayfront soccer field was flooded with water from the overflow of Alenaio flood channel. The total amount of rainfall for this event is as follows WSO Hilo 11.03 in. Wajakea Uka 9 43 in Mt. View 9.80 in. 10.18 in. Pahoa Keaau 13.26 in. Kauai Windward **HIZ002 Dust Devil** A house in Nanakuli sustained wind damage from what appeared to be a huge dust devil or vortex of strong winds. The foundation of the house was lifted off and twisted, while nearby homes were barely touched. There was a lot of debris in the air. **HIZ004 Kauai Mountains** 0 **Heavy Snow** Upper level trough and moist unstable airmass produced heavy snow that fell over the summits of Mauna Kea and Mauna Loa. Snow depth of 5 to 6 inches was reported by UH-Hilo personnel. HIZ002 Kauai Windward 1 0 **High Surf** A fisherman was reported missing on the night of 25 February, but his body was later found on 26 February at 4:00 pm on the north

A fisherman was reported missing on the night of 25 February, but his body was later found on 26 February at 4:00 pm on the north side of Kaena Point. Police reported that the victim went in his boat, and it apparently capsized because of rough water. Surf was from 4 to 6 feet along north shores.

M55BO



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Time Path Path Number of Estimated February 1999
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

**HAWAII** 

HIZ001>006 Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast

26 1200HST 0 0 High Sur

A deep storm that passed far to the north of the Hawaiian islands generated large surf from 20 to 25 feet on 16 February, along north shores of some of the islands.

On Oahu, water was observed across low-lying sections of the road at Laniakea. A house at KeWaena Road was flooded with water, and the family left for a nearby shelter at Sunset beach school. There was a report of debris across the road from Laniakea to Sunset Beach, which was deposited by very high surf along the north shore.