



National Weather Service

Storm Data and Unusual Weather Phenomena



November 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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HAWAII

Honolulu County

Waianae	05	0900HST 1200HST			0	0			Urban/Sml Stream Fld
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Thunderstorms with heavy showers flooded roads from Waianae to Nanakuli where the Farrington Highway was temporarily closed due to high water.

Honolulu County

Ewa/Pearl City/Aiea	05	1200HST 1800HST			0	0	20K		Flash Flood
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Heavy rainfall caused widespread flooding in Ewa, Honolai Hale, and the Pearl City/Aiea areas. Maximum WSR-88D rainfall estimates were 12.5 inches over ungaged areas of the Ewa Plain. Kunia received 3.74 inches in 2 hours, a rate statistically expected only once in 100 years. People were evacuated from their homes along Renton and Puuloa Roads. Rain destroyed some small farms in the Pearlridge area. Runoff from the Waianae Mountains near Honolai Hale closed the H1 Freeway in both directions. The flood carried mud, rocks, and debris onto the highway, cutting the Leeward Coast off from the rest of Oahu for several hours. Rainfall totals (in inches) for the period 1000 to 1700 HST include: Ewa Beach 12.10, Kunia Substation 8.50, Palisades 8.00, Waiwa 7.15, Waipio 5.87, and Mililani 5.54.

Kauai County

Anahola To Lihue	06	0500HST 1000HST			0	0			Urban/Sml Stream Fld
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Heavy showers caused ponding on roads and small streams to flood from Lihue to Anahola. The showers were associated with the Big Island plume and moved into the area from the southeast.

Kauai County

Hanapepe	07	0830HST 1130HST			0	0			Urban/Sml Stream Fld
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Heavy showers produced minor flooding of roads in the Hanapepe area.

Kauai County

South Of Poipu	07	0910HST			0	0			Funnel Cloud
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A funnel cloud associated with a northeast to southwest oriented line of thunderstorms just offshore from Poipu was reported by a Skywarn weather spotter.

Kauai County

Hanapepe/Hanalei	12	0730HST 0900HST			0	0			Flash Flood
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Heavy rains of 2.5 to 4 inches in a 2 hour period caused flooding along the Hanalei River. Rising waters prompted the evacuation of residents from the east side of the Hanapepe River.

Kauai County

6 S Poipu	12	1405HST			0	0			Waterspout
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A Waterspout was reported 6 miles offshore.

Maui County

Molokai	12 13	2030HST 0130HST			0	0			Urban/Sml Stream Fld
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Flooding occurred across the Kamehameha Highway in the vicinity of Kawela Stream, near mileposts 7 and 8, and near Kamalo. Water was on the Maunawainui Bridge, and minor street flooding occurred in Hoolehua.

Honolulu County

Waianae/Cntrl Oahu	12 13	2345HST 0315HST			0	0			Urban/Sml Stream Fld
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A line of heavy showers moved across Oahu, with 3 to 4 inch rainfall estimates from the WSR-88D in a 2 hour period. Police reported minor street flooding in the Waianae and central Oahu.



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					Killed	Injured	Property	Crops

HAWAII

Maui County

West Maui to Maui, Molokai, Lanai	13	0545HST 1515HST			0	0		Urban/Sml Stream Fld
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Several lines of heavy showers and thunderstorms moved across Maui County from the southwest. On Maui, the Honoapiilani Highway was flooded and some mudslides occurred from McGregor Point to Napili. The Piilani Highway was closed due to high water in spots from Milepost 36 to 37 between Kaupo and Kipahulu. Minor flooding and ponding of roads was common across Maui.

Hawaii County

Nw Of Upolu Pt	13	1230HST			0	0		Waterspout
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A waterspout was spotted from Upolu Point over the Alenuihaha Channel.

Honolulu County

Entire Island	14	0030HST 0700HST			0	0		Flash Flood
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Heavy rains over the already saturated parts of west, central, and north shore areas of Oahu produced widespread flooding. On the Waianae Coast, the Makaha Valley Tower complex was hit by a massive mudslide at about 2 a.m., with extensive damage to the first floor of the complex and to many cars in the adjacent parking lot. Major flooding occurred along Kamehameha Highway between Kahuku and Haleiwa. Farrington Highway, Lagoon Drive, and the Nimitz Highway were closed in several spots due to high water. Significant flooding also occurred in parts of windward Oahu and Honolulu where rainfall rates of nearly 1 inch in 15 minutes were recorded during the early morning hours, producing widespread ponding on roads that hampered commuters. A Kaneohe resident was temporarily trapped in a sinkhole near Aumoana Place.

Maui County

Molokai	14	1100HST 1700HST			0	0		Urban/Sml Stream Fld
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Showers producing heavy rainfall caused minor flooding of roads and streams throughout Molokai

Honolulu County

Waianae, Ewa Beach	14 15	2000HST 0300HST			0	0		Urban/Sml Stream Fld
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Showers produced heavy rainfall over the west, central, and Honolulu portions of Oahu, with minor flooding of roads throughout Waianae, Ewa Beach, Waipahu, and sections of Honolulu.

Maui County

East Maui	15	0710HST 1030HST			0	0		Urban/Sml Stream Fld
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Heavy runoff from showers over the mountain slopes of east Maui caused overflowing streams from Hana to Kaupo

Kauai County

South, East Kauai	16	0545HST 1000HST			0	0		Urban/Sml Stream Fld
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Heavy showers produced minor flooding of roadways in the Hanapepe, Lihue, and Anahola areas.

Honolulu County

Sw,Cntrl,E,Wnwd Oahu	16	1530HST 1945HST			0	0		Flash Flood
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Heavy showers produced widespread flooding of roads. Rainfall included 3.26 inches at Kunia and 3.74 at Waipio in a 3 hour period. Rainfall rates of 1 to 3 inches per hour occurred near Barbers Point, Pearl City, downtown Honolulu, Kailua, Maunawili, and Waimanalo. Numerous roads were closed due to mudslides and high water throughout southwest, south central, east, and windward parts of Oahu.