



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2000

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

HIZ003-005>008

Kauai Leeward - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau

01	0000HST	0	0	Drought
30	2359HST			

Though shear-line weather in the early part of April brought much needed rainfall to many parts of the Hawaiian Islands, dry conditions persisted in drought-stricken areas in Maui County and on the Big Island of Hawaii. Trade-wind weather, in the moderate to fresh range, was the dominant pattern for more than half the month. This pattern allowed some rainfall to occur in windward and mountain sections around the island chain, but it did not in any way alleviate the precipitation shortfall in the drought areas.

Maui County

As was the case in March, windward areas of Maui were relatively wet while leeward sections remained dry. The active showers over the windward areas of Haleakala helped sustain water levels in ditches that supply agriculture and residential areas of Upcountry Maui. The highest rainfall total came from the gage at Kahakuloa (4.51 inches, 102 percent of average). About 90 percent of this total occurred during the first ten days of April. The highest positive anomaly belonged to the Pukalani site with its 3.86 inches, which was 148 percent of average. Of this total, 2.21 inches fell on 1 April during the passage of the first shear line of the month.

The persistence of trade winds for most of April translated into very little rain over leeward areas. The gage at Kihei logged only 0.05 of an inch of rain (4 percent of average), while the Lahainaluna site reported only 0.16 of an inch (9 percent of average). Just four miles north of the Lahainaluna site is the gage at Mahinahina. The presence of strong trades during portions of the month helped force enough rainfall over and around the northern end of west Maui to push the April total at the site to 4.16 inches, or 89 percent of average.

The three Hydronet sites on the islands of Molokai and Lanai reported totals of between 20 and 40 percent of average

Island of Hawaii

As was the situation in Maui, most of the rainfall on the Big Island occurred over windward areas. Five windward sites reported over 10 inches of rain. However, these totals were not impressive by windward Big Island standards and were below the April average at four of the five sites. The lone exception was the gage at Honokaa, where 12.02 inches turned out to be 121 percent of average. Unlike the rest of the island chain, the heaviest rains on the Island of Hawaii were not associated with the shear-line weather early in the month. Instead, the highest totals occurred during a three-day period of wet trades from 9 to 11 April.

Gages in leeward areas of the island reported totals at less than 30 percent of average. The Kau District was especially dry, with the gages at Kapapala and Pahala reporting only 0.03 and 0.04 of an inch, respectively. Barring an unseasonable influx of precipitation, these drought-stricken areas will continue to deteriorate during the upcoming warm season

The following list contains rainfall statistics for selected locations from Maui County and the island of Hawaii. The first column is the observed rainfall for April. The second column is the 30-year average for that location, while the third column lists the percent of average rainfall for the month. The fourth and fifth columns are the year-to-date total and the year-to-date percent of average, respectively.

	Apr 00	Avg.	%Avg.	YTD	YT D %Avg.
Maui					
Kahului	1.26	1.80	70	2.66	2 3
Hana	3.79	9.00	42	13.26	38
Kihei	0.05	1.20	4	0.13	1
Lahainaluna	0.16	1.70	9	0.46	4
Wailuku	1.69	3.00	56	4.98	32
Kula	0.36	2.80	13	2.42	17
Ulupalakua	0.23	2.70	9	2.32	14
Molokai					
Kaunakakai	0.45	1.20	38	1.63	18
Lanai					
Lanai City	0.79	3.50	23	3.12	18
Island of Hawaii					
Hilo Airport	7.25	15.30	47	31.45	6 4
Pahala	0.04	5.00	1	6.75	27



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HAWAII

Honaunau	0.72	6.10	12	4.37	24		
Kamuela (Upper)	6.20	6.90	90	19.08	76		
Glenwood	10.32	17.20	60	43.69	62		
Laupahoehoe	13.04	18.90	69	39.14	6 0		
Kamakoa	0.12	1.70	7	0.41	5		
Kapapala	0.03	6.70	0	4.28	15		

Ranchers and farmers continued to feel the effects of the ongoing drought, especially in parts of the Big Island of Hawaii. Some ranchers on the Big Island had decided by the end of April to ship 6000 head of young cattle to Canada. The cattle, many of them weighing only about two-thirds of what they should on average, are being sent to Vancouver, British Columbia, and will be pasturing in Alberta and the northwest part of the mainland. Drought conditions have drastically reduced the normal feed for the livestock on the Island of Hawaii.

HIZ001>006

Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast

01	0000HST	0	0	High Surf
02	1800HST			

A storm low that rapidly developed north of the state produced surf of 8 to 12 feet along the north shores of all the Hawaiian Islands

HIZ001>008

Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau

01	1600HST	0	0	Wind
05	1600HST			

An area of strong high pressure north of Hawaii generated sustained trade winds of 20 to 35 mph, with higher gusts, across the island chain. Some of the gusts were strong enough to down some trees and produce occasional power outages throughout the state

Hawaii County

7 N Hilo

03	0815HST 0830HST	0	0	Waterspout
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Two waterspouts were spotted in Onamea Bay north of Hilo. No injuries or property damage were reported.

HIZ003-007

Kauai Leeward - Oahu North Shore

03	0830HST	0	0	High Wind (M52)
04	1600HST			

An area of strong high pressure north of the islands generated winds of 30 to 45 mph, with gusts as high as 60 mph, in parts of Maui and on the Big Island.

The winds were responsible for partially blowing off a roof at a Lahaina elementary school and overturning a delivery van along Honoapiilani Highway near Olowalu in Maui. Also, blowing dust for a time caused a partial closure of the Kihei Road near the Maui Zoo.

The strong and gusty winds toppled trees and caused sporadic power outages in Maui and on the Big Island as well

Kauai County

Hanalei

03	1145HST 1745HST	0	0	Urban/Sml Stream Fld
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Heavy rain and showers caused ponding of roadways and some small streams and drainage ditches to overflow in northern sections of Kauai, from Wainiha to Hanalei to Princeville. No serious property damage or injuries were reported.