



National Weather Service

Storm Data and Unusual Weather Phenomena



June 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

HIZ001>003-005>008 **Niihau - Kauai Windward - Kauai Leeward - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau**

01	0000HST	0	0	Drought
30	2359HST			

Persistent but weaker than normal trade winds characterized the month of June across the Hawaiian Islands. Ample amounts of shower-bearing clouds embedded within the trade flow helped boost rainfall totals in many of the windward areas of the islands. Upper level lows near the island chain on 13-14 June, 25-27 June, and 29 June also helped destabilize the air mass and triggered heavy localized afternoon showers. These showers somewhat eased the drought situation, especially over the leeward areas of the Big Island and Maui.

Island of Kauai

In marked contrast to a very dry May, June saw rainfall totals near or above average at most of the reporting gages on the island of Kauai. Daily rainfall amounts (mainly less than 0.25 of an inch) were generally well distributed throughout the month, though the upper level low on 29 June pushed up 24-hour amounts to between 1 and 2 inches at Hanalei, Wailua, and Kalaheo. The highest rainfall total recorded for the month came from the Wainiha gage at 5.94 inches (97 percent of average), while the highest positive anomaly was from the gage at Wailua (5.88 inches, 137 percent of average).

Despite the wet conditions during June, rainfall totals for the year across Kauai remained below average, with five gages below 50 percent of average.

Island of Oahu

While Kauai benefitted from widespread rainfall during June, precipitation over the island of Oahu was much more erratic with anomalies ranging from 6 percent of average at Honolulu Airport (0.03 of an inch) to 232 percent of average at Waialua (2.09 inches). Nearly half of the month's rainfall at Waialua can be accounted for by one hour of rainfall on the afternoon of 14 June, triggered by the previously mentioned upper level low.

For the year-to-date, all gages on Oahu were still below average, with windward gages mostly within the 30 to 60 percent of average range and leeward gages within 20 to 40 percent of average.

Maui County

Rainfall in the month of June helped bring much needed drought relief to portions of Maui. Two of the gages in Upcountry Maui recorded above average rainfall, with the Kula site at 167 percent of average (1.84 inches) and Ulupalakua at 174 percent (3.30 inches). The islands of Lanai and Molokai, and much of Maui, saw another month of below average rainfall, thus worsening the existing drought conditions.

In terms of rainfall for the year, the islands of Maui County continued to fare the worst of all the islands statewide. Most of the gages showed year-to-date totals below 50 percent of average

Island of Hawaii

Like Kauai, the Big Island went from a very dry May to a wet June where most of the gages reported totals near or above average. Rains were especially welcome in parched areas of the Kau and South Kohala districts. Noteworthy was the 1.83 inches at the Kamakoa gage, an amount well above the June average of 0.30 of an inch, and the highest amount since May 1997. Active trade showers supported by an upper level low brought 3 to 5 inches of rain over the windward areas of the island on 25 June. These rains helped push windward totals into the 100 to 130 percent of average range.

Year-to-date totals for all gages were still below average at all sites. Windward locales were mainly 50 to 70 percent of average, while leeward areas were 20 to 40 percent of average.

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

	Jun 00	Avg.	%Avg.	YTD	YTD %Avg .
Kauai					
Kokee	2.67	2.40	111	22.56	44
Hanalei	5.87	5.30	111	33.30	54
Anahola	1.70	1.60	106	9.26	3 5
Lihue VS	2.09	3.60	58	11.24	3 2



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Lihue Airport	1.12	1.70	66	8.12	3	7			
Hanapepe	0.56	1.00	56	4.97	3	1			
Oahu									
Honolulu Airport	0.03	0.50	6	2.24	2	0			
Manoa Lyon	8.32	11.70	71	63.50	8	5			
Waimanalo	0.62	1.50	41	8.79	31				
Waihee Pump	4.07	4.00	102	20.87	38				
Kahuku	1.38	1.80	77	8.58	36				
Waianae	0.17	0.30	57	0.75	7				
Kunia	0.66	0.50	132	4.48	2	9			
Maui									
Kahului	0.09	0.30	30	2.80	2	2			
Hana	3.96	3.80	104	M		M			
Kihei	0.02	0.10	20	0.15	2				
Lahainaluna	0.10	0.20	50	0.57	5				
Wailuku	0.21	0.40	52	5.20	30				
Kula	1.84	1.10	167	4.34	2	5			
Ulupalakua	3.30	1.90	174	5.97	3	0			
Molokai									
Kaunakakai	M	0.30	M	M		M			
Kamalo	0.48	1.30	37	M		M			
Lanai									
Lanai City	1.04	1.40	74	5.07	2	3			
Island of Hawaii									
Hilo Airport	8.19	6.20	132	43.00	6	6			
Pahala	1.60	2.20	73	9.01	29				
Honaunau	4.55	7.00	65	11.44	36				
Kamuela (Upper)	2.82	3.00	94	24.92	7	8			
Glenwood	.60	7.30	118	58.01	65				
Laupahoehoe	3.67	6.20	59	45.57	5	5			
Kamakoa	1.83	0.30	610	2.41	24				
Kapapala	2.16	2.20	98	7.03	20				

HIZ001>003-005>008 Niihau - Kauai Windward - Kauai Leeward - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau

04 1000HST 0 0 High Surf
06 2100HST

A deep storm low near New Zealand in the previous week produced surf of 6 to 8 feet along the south shores of all the Hawaiian Islands. Although there were no reports of serious injuries or damage from this event, lifeguards in Waikiki on Oahu assisted 400 individuals in precarious circumstances and rescued 65 others who had themselves initiated calls for help. This was over the two-day period 4-5 June.

Honolulu County

Kawailoa 04 1200HST 0 0 Wild/Forest Fire
06 1800HST

An unknown number of acres were burned in the Kawailoa Forest Reserve above Waimea Falls Park. The dry conditions in the area contributed to the fire's initiation and persistence. No serious injuries or damage were reported

Honolulu County

Whitmore Village 14 1510HST 0 0 Urban/Sml Stream Fld
1700HST

Heavy showers caused ponding of roadways and minor flooding along small streams in north central parts of Oahu, between Wahiawa and Haleiwa. There were no reports of serious injuries or damage.



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HAWAII

Honolulu County

Central Portion	26	1430HST 1600HST			0	0			Urban/Sml Stream Fld
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Heavy showers produced some overflowing of streams and minor flooding along roadways in central Oahu, between the Waianae and Koolau ranges and from Waipio, Kunia, and Waipahu northward to Waialua and Haleiwa. There were no reports of serious injuries or damage.

Hawaii County

Volcano to Naalehu	26	1845HST 2145HST			0	0			Urban/Sml Stream Fld
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Heavy rainfall caused ponding of roadways and minor stream flooding on the Big Island, mainly along Highway H-11 (Hawaii Belt Road) from near Kilauea volcano southwest to Naalehu. No serious injuries or damage were reported.