



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2001

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

HIZ004-008

Kauai Mountains - Oahu Koolau

01	0000HST				0	0			High Surf
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A trade wind swell caused surf of 4 to 6 feet along the east-facing shores of the island of Hawaii.

HIZ002>003-005>008

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

01	0000HST				0	0			Drought
30	2359HST								

Island of Oahu

Several gages along the central and eastern slopes of the Koolau Range on Oahu recorded near average rainfall for September. Most of the rain at these sites was from showers and thunderstorms that occurred on 16 Sep, which dropped 2 to 3 inches at Palisades, Moanalua, and Manoa Lyon, and 4.26 inches at Nuuanu. Areas not exposed to the rains on that date experienced a rather dry month with rainfall totals only 10 to 40 percent of average. This includes gages in the western and northern parts of the island as well as many windward locations.

Maui County

Most leeward locations continued to see very dry conditions through September, with Waikapu recording no rainfall for the month. Upcountry sites from Pukalani southward to Ulupalakua saw rainfall at less than 25 percent of average. Western Molokai received some precipitation to help stabilize the drought situation, though much more is needed for a recovery

Island of Hawaii

Leeward Kohala remained dry through the month. To illustrate this, the gage at Kahua Ranch recorded only 0.44 inches (15 percent of average) for September. This area of the Big Island has been in a prolonged period of agricultural drought and has not seen a near average month of rainfall since December 1999.

The following list contains rainfall statistics for selected locations from Oahu, Maui County, and the island of Hawaii where there have been drought conditions. The first column is the observed rainfall for September. The second column is the 30-year average for each location, while the third column lists the percent of average for the month. The fourth and fifth columns are the year-to-date totals and the year-to-date percent of average, respectively

	September 01	Avg.	%Avg.	YTD	YT D %Avg.
Oahu					
Honolulu Airport	0.28	0.80	35	3.43	27
Kunia	0.15	1.20	13	4.60	2 5
Waianae	0.08	0.70	11	4.10	32
Waialua	0.27	1.10	25	5.39	25
Maui					
Kihei	0.01	0.20	5	0.65	6
Lahainaluna	0.09	0.60	15	1.32	1 0
Kula	0.47	2.00	24	6.96	3 1
Ulupalakua	0.61	2.70	23	9.01	35
Molokai					
Kaunakakai	0.29	0.20	145	3.04	29
Kamalo	0.88	1.30	68	13.53	57
Lanai					
Lanai City	0.83	2.20	38	11.38	42
Island of Hawaii					
Honaunau	3.77	7.20	52	27.78	52
Kamuela (Upper)	3.72	2.30	162	32.06	7 5
Waiaha	1.80	6.20	29	26.48	4 6
Kahua Ranch	0.44	3.00	15	11.93	2 0
Kealakekua	6.02	8.20	73	35.08	58



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					Killed	Injured	Property	Crops	
<u>HAWAII</u>									
HIZ001	Pahala		1.30	3.40		38	19.33	48	
	Niihau								
	02	0700HST			0	0			High Surf
		1800HST							
	A trade wind swell produced surf of 4 to 6 feet along the east-facing shores of Kauai								
HIZ001>008	Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau								
	09	1000HST			0	0			High Surf
	11	2000HST							
	A storm low in the Southern Hemisphere generated surf of 6 to 8 feet along the southeast- and south-facing shores of all the Hawaiian Islands.								
HIZ001-004-008	Niihau - Kauai Mountains - Oahu Koolau								
	10	0700HST			0	0			High Surf
	12	1800HST							
	A trade wind swell produced surf of 4 to 8 feet along the east-facing shores of Kauai and the island of Hawaii.								
HIZ001	Niihau								
	14	0800HST			0	0			High Surf
		1800HST							
	A trade wind swell generated surf of 4 to 6 feet along the east-facing shores of Kauai								
HIZ001>008	Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau								
	16	0500HST			0	0			High Surf
	17	1700HST							
	A storm low in the Southern Hemisphere caused surf of 4 to 8 feet along the southeast- and south-facing shores of all the Hawaiian Islands.								
Honolulu County	Aiea to Waipahu								
	16	0545HST			0	0			Urban/Sml Stream Fld
		1045HST							
	Heavy showers and isolated thunderstorms caused ponding of roadways and minor stream and drainage ditch flooding in central and western parts of Oahu. However, no serious injuries or property damage was reported.								
Kauai County	Hanalei to Lihue								
	16	0945HST			0	0			Urban/Sml Stream Fld
		1245HST							
	Heavy showers and isolated thunderstorms produced ponding of roadways and minor stream and drainage ditch flooding in the eastern two-thirds of Kauai. No serious property damage or injuries were reported.								
HIZ001-004-008	Niihau - Kauai Mountains - Oahu Koolau								
	17	0800HST			0	0			High Surf
	19	1700HST							
	A trade wind swell generated surf of 4 to 8 feet along the east-facing shores of Kauai and the island of Hawaii.								
HIZ001	Niihau								
	21	0800HST			0	0			High Surf
		1700HST							



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HAWAII

A trade wind swell caused surf of 4 to 6 feet along the east-facing shores of Kauai

HIZ001

Niihau

**24 0800HST
1700HST**

0 0

High Surf

A swell from the Southern Hemisphere produced surf of 4 to 6 feet along the southeast-facing shores of Kauai.

HIZ001

Niihau

**27 0800HST
1800HST**

0 0

High Surf

A trade wind swell generated surf of 4 to 6 feet along the east- and southeast-facing shores of Kauai.