

POST TROPICAL CYCLONE REPORT

Storm Name	Lowell
NWS Office	Honolulu
Begin/End Date	09/05/2026 - 09/10/2026
Fatalities	3 - Direct 0 - Indirect
Tornadoes	[TBD]

Event Summary

Hurricane Lowell caused catastrophic damage in Kauai County on the night of September 7th as it passed about 35 miles west of Niihau as a Category 2 hurricane. Hurricane-force wind gusts were observed at several locations. Widespread damage caused over 90% of the residents to lose power. The strongest winds were observed over the higher elevations of Pu'u Lua in western Kauai. While hurricane-force winds caused major damage across Kauai, the most devastating damage resulted from high surf and storm surge along the south and west-facing shores of Kauai. The community of Poipu saw catastrophic destruction where the combination of large waves and storm surge swept cars and homes off their foundations and obliterated roads.

Two fatalities occurred on Kauai and one on Oahu. On Kauai, a 74 year old male fatality at Nomilu Fishpond was attributed to storm surge and a 69 year old male fatality in Wainiha was attributed to flash flooding. On Oahu, a 31 year old male in Waimanalo was killed when a tree fell on his tent.

NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.

Highest 10 Land Winds (kts)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Sustained</i>
Lihue, Lihue Airport	HI	ASOS/AWOS	49
Kekaha, Pacific Missile Test Facility Barl	HI	ASOS/AWOS	44
WAIMEA HTS	HI	RAWS	39
MAKAHA RIDGE	HI	RAWS	37
PUU OPAE	HI	RAWS	37
PUU LUA	HI	RAWS	36
MANA	HI	RAWS	35
MOKOLELAU 1	HI	RAWS	34
ILIO 1	HI	RAWS	32
MOLOAA DAIRY	HI	RAWS	31

* Anemometer heights < 20 m

Highest 10 Land Gusts (kts)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Gust</i>
PUU LUA	HI	RAWS	80
Kekaha, Pacific Missile Test Facility Barl	HI	ASOS/AWOS	73
Lihue, Lihue Airport	HI	ASOS/AWOS	73
HECO Makaha Valley Rd	HI	HECO	71
WAIMEA HTS	HI	RAWS	69
PUU OPAAE	HI	RAWS	68
MAKAHA RIDGE	HI	RAWS	67
KUAOKALA	HI	RAWS	65
Waipa	HI	U-HAWAII	64
MOLOAA DAIRY	HI	RAWS	64

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>
1611400 - Nawiliwili HI	NOS	47
NORTHWESTERN HAWAII ONE - 188NM	NDBC	41
1615680 - Kahului Harbor HI	NOS	26
1612480 - Mokuoloe HI	NOS	24
SOUTHWEST HAWAII - 215NM SSW of	NDBC	21
1612401 - Pearl Harbor HI	NOS	20
1612340 - Honolulu HI	NOS	15
Lono Circle He'eia Reserve HI	NERRS	8

* Anemometer heights < 20 m

Highest 10 Marine Gusts (kts)*

<i>Station</i>	<i>Type</i>	<i>Gust</i>
1611400 - Nawiliwili HI	NOS	75
NORTHWESTERN HAWAII ONE - 188NM	NDBC	52
1612480 - Mokuoloe HI	NOS	33
1615680 - Kahului Harbor HI	NOS	32
1612401 - Pearl Harbor HI	NOS	32
SOUTHWEST HAWAII - 215NM SSW of	NDBC	27
1612340 - Honolulu HI	NOS	24

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Kilohana (USGS)	HI	HADS	21.72
Wainiha (HI41)	HI	COOP	21.29
Mount Waialeale (USGS)	HI	HADS	18.85
Mohihi Crossing (USGS)	HI	HADS	18.05
Lower Limahuli	HI	U-HAWAII	17.60
N Wailua Ditch (USGS)	HI	HADS	17.24
Waialae (USGS)	HI	HADS	15.75
WAIAKOALI RAINGAGE NEAR HANAIE	HI	HADS	15.11
Waipa	HI	U-HAWAII	13.94
West Wailuaiki (USGS)	HI	HADS	13.67

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Kawaihae	HI	MHHW	1.08
Kahului Harbor	HI	MHHW	1.06
Nawiliwili	HI	MHHW	1.00
Honolulu	HI	MHHW	0.89
Hilo Bay, Kuhio Bay	HI	MHHW	0.85
Pearl Harbor	HI	MHHW	0.75
Mokuoloe	HI	MHHW	0.71

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Lower Limahuli	HI	U-HAWAII	985.5
GW5892 WAIMEA	HI	APRSWXNET/	989.7
Waipa	HI	U-HAWAII	989.9
Kekaha, Pacific Missile Test Facility Barl	HI	ASOS/AWOS	990.5
Hanamaulu	HI	U-HAWAII	994.1
NORTHWESTERN HAWAII ONE - 188NM NW of Kauai		NDBC	994.1
Kealia	HI	U-HAWAII	994.5
Lawai NTBG	HI	U-HAWAII	995.2
Common Ground	HI	U-HAWAII	995.5
1611400 - Nawiliwili HI		NOS	996.0

Report Last Updated on 09/16/2026:

The following files have been updated: Wind and Pressure, Rainfall, Water Level.

Remarks:

PWS as network indicates personal weather station. HECO anemometer heights may range from 20 to 25 ft (6.1 to 7.6 m). UHawaii anemometer heights may range from 10 to 12 ft (3.0 to 3.7 m). Select rainfall totals above 3 inches included. Rainfall start time of 1800 UTC Sep 5 was selected to include the flash flooding event on Oahu, associated with, but ahead of, Lowell's closest approach to Hawaii. Rainfall end time of 1800 UTC Sep 10 was selected to include flash flooding on Hawaii Island associated with trailing moisture as Lowell departed. Some small storm surge was noted in tide gauge observations. Because the storm surge did not occur at the maximum water level, peak storm surge values are listed in the remarks for each station that observed a notable deviation from forecast tide.