

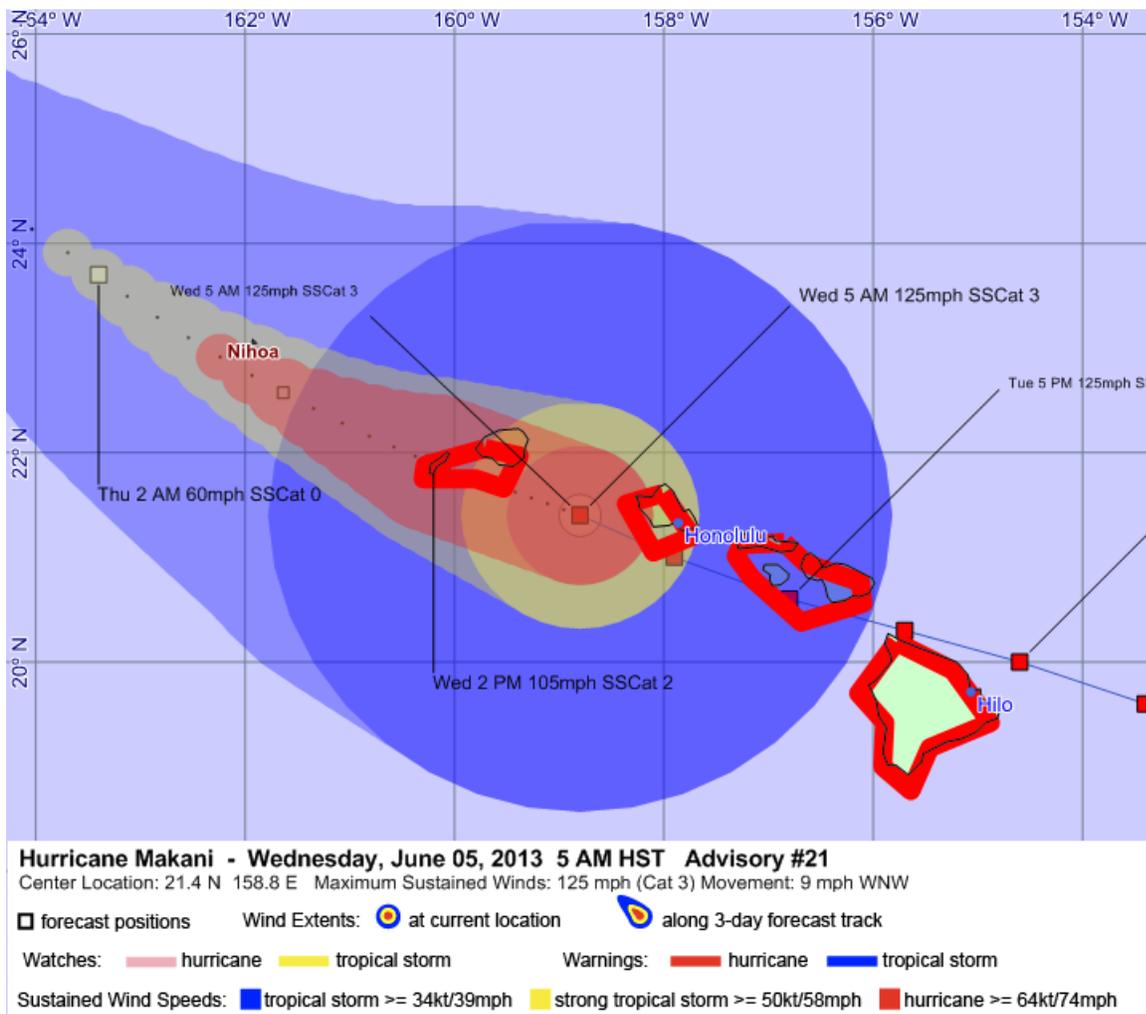
Storm Summary for Hurricane Makani

Wednesday, June 5, 2013 at 5 AM HST

(Output from Hurrevac, based on Central Pacific Hurricane Center Forecast Advisory # 21)

Hurricane Makani is currently a Category 3 major hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 125 mph (110 kts), moving west-northwest at 9 mph. The estimated minimum central pressure is 958 mb. Hurricane-force winds extend outward up to 45 miles (75 km) from the storm center. Tropical storm-force winds extend outward up to 195 miles (315 km) from the storm center.

Certain coastal locations are under Hurricane Warning as illustrated in the map below. The geographic extents of these watches and warnings are detailed in the advisory text at the end of this report.



Wind Analysis for Kauai, HI

(Based upon Hurricane Makani Advisory #21)

Wind Probabilities

LIHUE, the closest reporting location, has within the 5-day forecast period of this advisory, a 80% chance of at hurricane-force (64kt/74mph) winds, a 96% chance of at least strong tropical storm-force (50kt/58mph) winds, and a 99% chance of at least tropical storm-force (34kt/39mph) winds.

Peak Wind*

Winds in Kauai, HI are projected to peak at 100kt/115mph around 10:00 AM on Wednesday, June 05, 2013

Wind Arrival and Duration*

Tropical storm-force winds (34kt/39mph) are forecast to begin in Kauai, HI on Wednesday, June 05, 2013 at 5:00 AM. Winds of this magnitude or higher are forecast to continue for 16 hours.

Strong tropical storm-force winds (50kt/58mph) are forecast to begin in Kauai, HI on Wednesday, June 05, 2013 at 5:00 AM. Winds of this magnitude or higher are forecast to continue for 11 hours.

Hurricane-force winds (64kt/74mph) are forecast to begin in Kauai, HI on Wednesday, June 05, 2013 at 6:00 AM. Winds of this magnitude or higher are forecast to continue for 10 hours.

* These wind estimations are limited to the first 72 hours (3 days) following advisory issuance, and are subject to considerable forecast uncertainty and generalization, especially if the storm is distant. Maximum sustained winds (the highest surface wind maintained over a 1 minute period) are reported here. Wind gusts and winds at higher elevations will be greater.

ZCZC HFOTPCP1 ALL
TTAA00 PHFO DDHHMM

BULLETIN
HURRICANE MAKANI ADVISORY NUMBER 21
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP862013
500 AM HST WED JUN 05 2013

EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE

...IMPACTS FROM MAKANI CONTINUE...

SUMMARY OF 500 AM HST...1500 UTC...INFORMATION

LOCATION...21.4N 158.8W
ABOUT 60 MI...95 KM W OF HONOLULU HAWAII
ABOUT 55 MI...90 KM SE OF LIHUE HAWAII
MAXIMUM SUSTAINED WINDS...125 MPH...205 KM/H
PRESENT MOVEMENT...WNW OR 300 DEGREES AT 9 MPH...15 KM/H
MINIMUM CENTRAL PRESSURE...958 MB...28.29 INCHES

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- *HAWAII COUNTY
- *MAUI COUNTY
- *HONOLULU COUNTY
- *KAUAI COUNTY

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM HST...1500 UTC...THE CENTER OF HURRICANE MAKANI WAS LOCATED NEAR LATITUDE 21.4 NORTH...LONGITUDE 158.8 WEST. MAKANI IS MOVING TOWARD THE WEST-NORTHWEST NEAR 9 MPH...15 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 12 TO 18 HOURS BEFORE MAKANI MAKES A SHARP TURN TO THE NORTHWEST AND NORTH.

MAXIMUM SUSTAINED WINDS ARE NEAR 125 MPH...205 KM/H...WITH HIGHER GUSTS. MAKANI IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. MAKANI IS EXPECTED TO BEGIN TO WEAKEN...ESPECIALLY AFTER THE NEXT 12 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 45 MILES...75 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 195 MILES...315 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 958 MB...28.29 INCHES.

HAZARDS AFFECTING LAND

WINDS...STRONG AND DAMAGING WINDS WILL CONTINUE TO IMPACT THE STATE OVER THE NEXT 12 TO 18 HOURS WHILE MAKANI TRACKS TO THE WEST AND NORTHWEST. THE STRONGEST IMPACTS WILL BE FROM MAUI COUNTY WESTWARD...ESPECIALLY FOR HONOLULU AND KAUAI COUNTIES.

SURF...LARGE BREAKING WAVES AND EXTREME CURRENTS WILL IMPACT ALL SHORES OF ALL ISLANDS OVER THE NEXT 24 HOURS. SEVERE COASTAL EROSION AND WAVE RUN-UP IS LIKELY.

SURGE...STORM SURGE OF 2 TO 8 FEET IS LIKELY ACROSS ALL COASTAL AREAS...ESPECIALLY WEST OF THE BIG ISLAND. SURGE AMOUNTS WILL BE MAXIMIZED OVER EASTERN AND SOUTHERN SHORES. SIGNIFICANT COASTAL INFRASTRUCTURE DAMAGE IS LIKELY.

RAINFALL...RAINFALL OF 6 TO 14 INCHES IS EXPECTED WITH SIGNIFICANT FLOODING LIKELY. LOCALLY HIGHER AMOUNTS OF RAIN...UP TO 24 INCHES...IS POSSIBLE.

NEXT ADVISORY

NEXT COMPLETE ADVISORY...1100 AM HST.

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FORECASTER CRAIG

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