

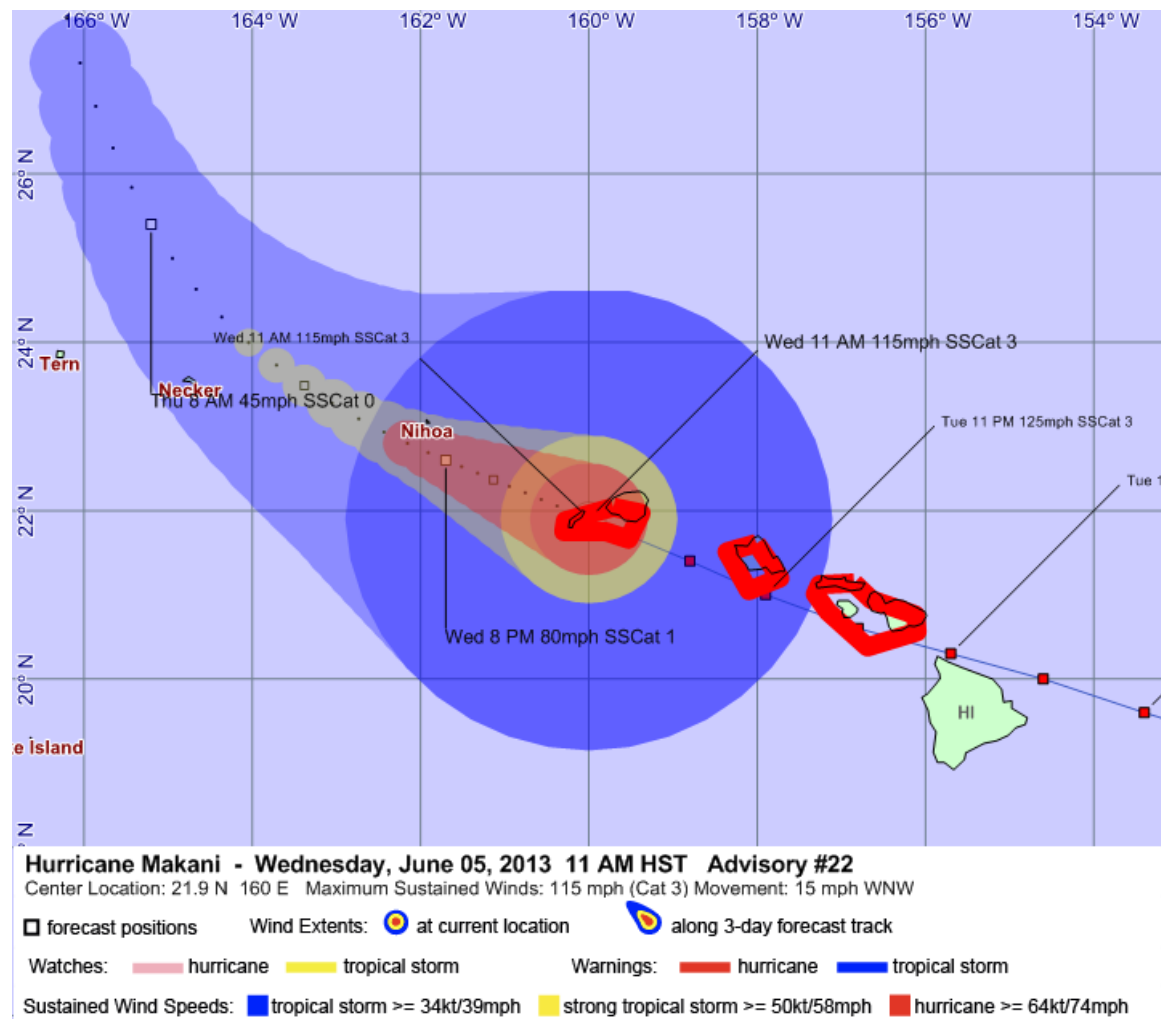
# Storm Summary for Hurricane Makani

Wednesday, June 5, 2013 at 11 AM HST

(Output from Hurrevac, based on Central Pacific Hurricane Center Forecast Advisory # 22)

Hurricane Makani is currently a Category 3 major hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 115 mph (100 kts), moving west-northwest at 15 mph. The estimated minimum central pressure is 962 mb. Hurricane-force winds extend outward up to 45 miles (75 km) from the storm center. Tropical storm-force winds extend outward up to 190 miles (305 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 #22)*

### Wind Probabilities

LIHUE, the closest reporting location, has within the 5-day forecast period of this advisory, a 99% chance of at hurricane-force (64kt/74mph) winds, a 99% 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 89kt/102mph around 11:00 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 11:00 AM. Winds of this magnitude or higher are forecast to continue for 10 hours.

Strong tropical storm-force winds (50kt/58mph) are forecast to begin in Kauai, HI on Wednesday, June 05, 2013 at 11:00 AM. Winds of this magnitude or higher are forecast to continue for 4 hours.

Hurricane-force winds (64kt/74mph) are forecast to begin in Kauai, HI on Wednesday, June 05, 2013 at 11:00 AM. Winds of this magnitude or higher are forecast to continue for 3 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 22  
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP862013  
1100 AM HST WED JUN 05 2013

EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE

...MAKANI REMAINS STRONG...

#### SUMMARY OF 1100 AM HST...2100 UTC...INFORMATION

-----

LOCATION...21.9N 160.0W  
ABOUT 140 MI...225 KM WNW OF HONOLULU HAWAII  
ABOUT 40 MI...65 KM W OF LIHUE HAWAII  
MAXIMUM SUSTAINED WINDS...115 MPH...185 KM/H  
PRESENT MOVEMENT...WNW OR 300 DEGREES AT 15 MPH...24 KM/H  
MINIMUM CENTRAL PRESSURE...962 MB...28.41 INCHES

#### WATCHES AND WARNINGS

-----

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

\*MAUI COUNTY  
\*HONOLULU COUNTY  
\*KAUAI COUNTY

#### DISCUSSION AND 48-HOUR OUTLOOK

-----

AT 1100 AM HST...2100 UTC...THE CENTER OF HURRICANE MAKANI WAS LOCATED NEAR LATITUDE 21.9 NORTH...LONGITUDE 160.0 WEST. MAKANI IS MOVING TOWARD THE WEST-NORTHWEST NEAR 15 MPH...24 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS BEFORE MAKANI TAKES A SHARP TURN TO THE NORTH.

MAXIMUM SUSTAINED WINDS ARE NEAR 115 MPH...185 KM/H...WITH HIGHER GUSTS. MAKANI IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SIGNIFICANT WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 45 MILES...75 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 190 MILES...305 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 962 MB...28.41 INCHES.

#### HAZARDS AFFECTING LAND

-----

WINDS...TROPICAL STORM FORCE WINDS WILL IMPACT AREAS FROM MAUI COUNTY WESTWARD OVER THE NEXT 12 TO 18 HOURS. HURRICANE FORCE WINDS WILL IMPACT HONOLULU AND KAUAI COUNTIES OVER THE NEXT 12 HOURS AS WELL. SIGNIFICANT WIND DAMAGE HAS OCCURRED AND REMAINS VERY LIKELY.

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...WITH MAXIMIZED AMOUNTS ON EASTERN AND SOUTHERN SHORES. THE SURGE WILL CAUSE SIGNIFICANT COASTAL INFRASTRUCTURE DAMAGE AND POSES A DEADLY HAZARD TO ANYONE WHO VENTURES NEAR THE WATER.

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

NEXT ADVISORY

-----

NEXT COMPLETE ADVISORY...500 PM HST.

\$\$

FORECASTER CRAIG

NNNN