

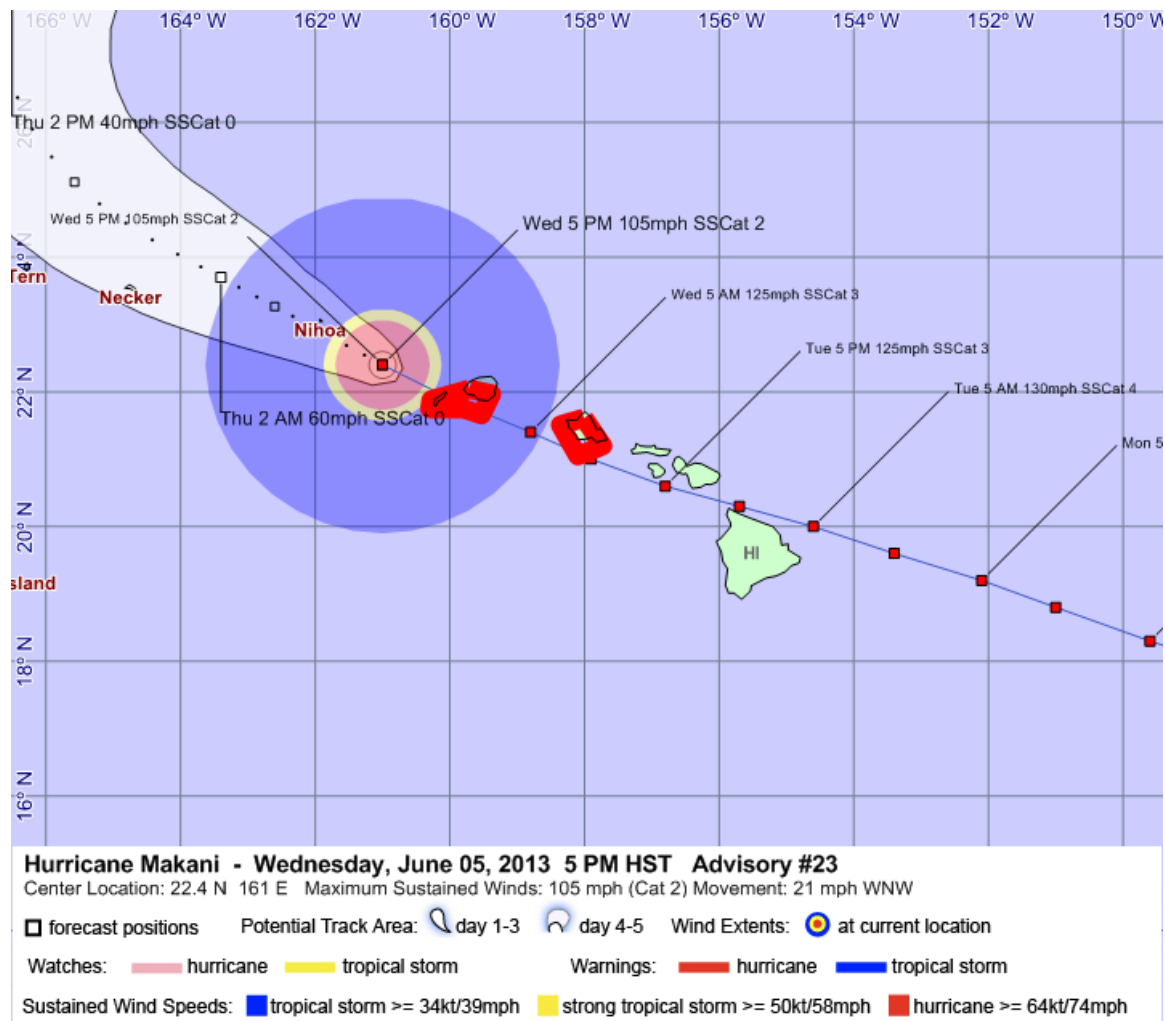
Storm Summary for Hurricane Makani

Wednesday, June 5, 2013 at 5 PM HST

(Output from Hurrevac, based on Central Pacific Hurricane Center Forecast Advisory # 23)

Hurricane Makani is currently a Category 2 hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 105 mph (90 kts), moving west-northwest at 21 mph. The estimated minimum central pressure is 975 mb. Hurricane-force winds extend outward up to 45 miles (75 km) from the storm center. Tropical storm-force winds extend outward up to 175 miles (280 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 #23)

Wind Probabilities

LIHUE, the closest reporting location, has within the 5-day forecast period of this advisory, a 99% chance of at least tropical storm-force (34kt/39mph) winds.

Peak Wind*

Winds in Kauai, HI are projected to peak at 46kt/53mph around 5:00 PM 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 PM. Winds of this magnitude or higher are forecast to continue for 4 hours.

50kt/58mph winds are not forecast for Kauai, HI.

64kt/74mph winds are not forecast for Kauai, HI.

* 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 23
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP862013
500 PM HST WED JUN 05 2013

EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE

...MAKANI MOVING THROUGH WESTERN PORTIONS OF HAWAII...

SUMMARY OF 500 PM HST...0300 UTC...INFORMATION

LOCATION...22.4N 161.0W
ABOUT 105 MI...170 KM WNW OF LIHUE HAWAII
MAXIMUM SUSTAINED WINDS...105 MPH...165 KM/H
PRESENT MOVEMENT...NW OR 305 DEGREES AT 21 MPH...33 KM/H
MINIMUM CENTRAL PRESSURE...975 MB...28.79 INCHES

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...
*HONOLULU COUNTY
*KAUAI COUNTY

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM HST...0300 UTC...THE CENTER OF HURRICANE MAKANI WAS
LOCATED NEAR LATITUDE 22.4 NORTH...LONGITUDE 161.0 WEST. MAKANI IS
MOVING TOWARD THE NORTHWEST NEAR 21 MPH...33 KM/H...AND THIS MOTION
IS EXPECTED TO INCREASE IN A NORTH TO NORTHWESTERLY DIRECTION OVER
THE NEXT 12 TO 24 HOURS.

MAXIMUM SUSTAINED WINDS ARE NEAR 105 MPH...165 KM/H...WITH HIGHER
GUSTS. MAKANI IS A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON
SCALE. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS...WITH
SIGNIFICANT WEAKENING LIKELY AFTER 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 175
MILES...280 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 975 MB...28.79 INCHES.

HAZARDS AFFECTING LAND

WINDS...TROPICAL STORM FORCE WINDS ARE IMPACTING MOST OF HONOLULU
AND KAUAI COUNTIES. THIS WILL CONTINUE OVER THE NEXT 12 HOURS.
HURRICANE FORCE WINDS WILL CONTINUE TO IMPACT KAUAI
COUNTY...ESPECIALLY NIIHAU...OVER THE NEXT 6 TO 12 HOURS. SEVERE
IMPACTS REMAIN VERY LIKELY WITH ADDITIONAL INFRASTRUCTURE DAMAGE.

SURF...LARGE BREAKING WAVES AND EXTREME CURRENTS WILL CONTINUE TO
IMPACT ALL SHORES OF ALL ISLANDS...WITH HONOLULU AND KAUAI COUNTIES
EXPERIENCING THE BRUNT. SEVERE COASTAL EROSION AND RUN-UP WILL
CONTINUE.

SURGE...STORM SURGE OF 2 TO 8 FEET WILL CONTINUE TO IMPACT MOST OF KAUAI COUNTY...ESPECIALLY THE EAST AND SOUTH FACING SHORES. THE SURGE WILL CAUSE CONTINUED COASTAL INFRASTRUCTURE DAMAGE.

RAINFALL...ADDITIONAL RAINFALL OF 6 TO 14 INCHES IS LIKELY.

NEXT ADVISORY

NEXT COMPLETE ADVISORY...1100 PM HST.

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FORECASTER CRAIG

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