

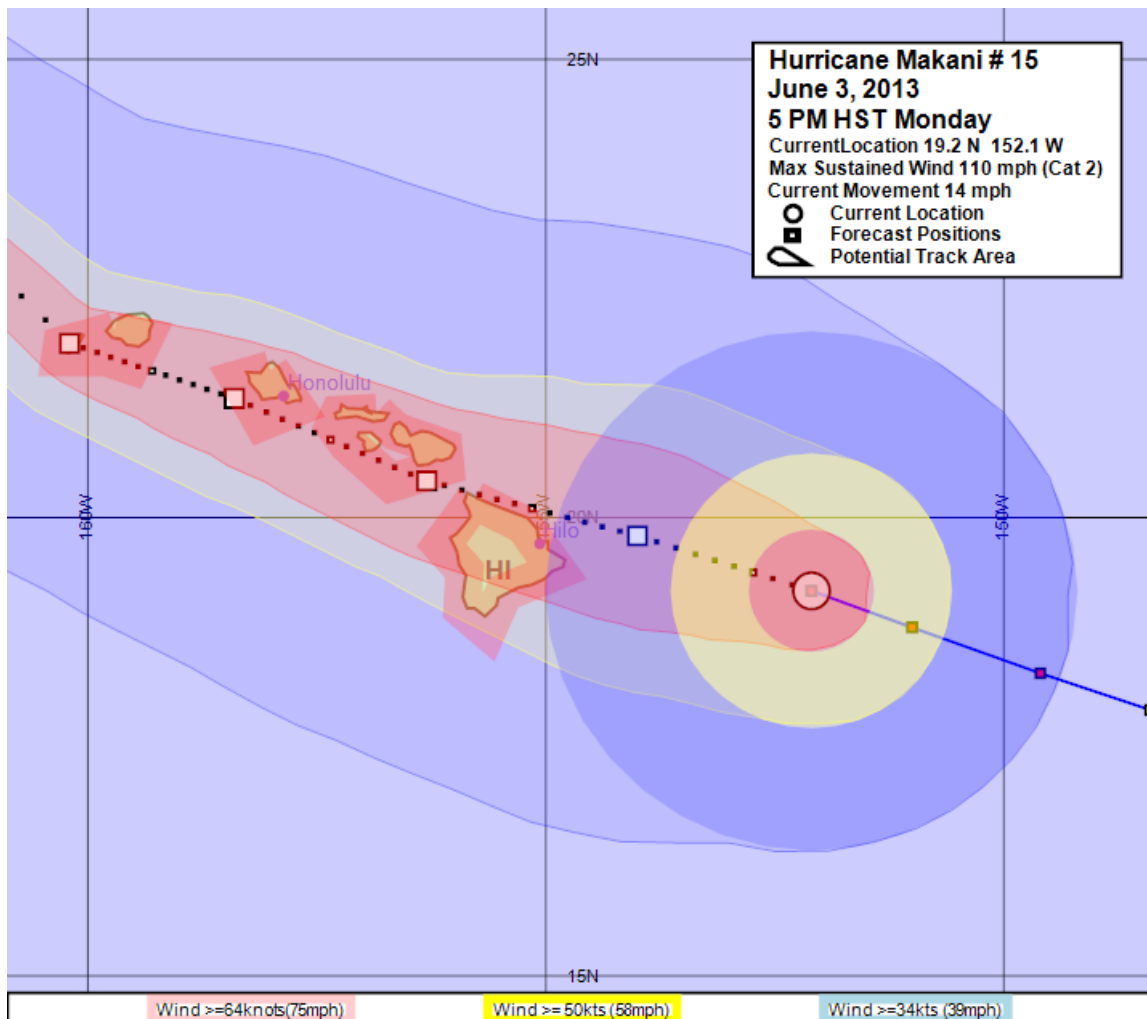
Storm Summary for Hurricane Makani2013

Monday, June 3, 2013 at 5 PM HST

(Output from Hurrevac, based on Central Pacific Hurricane Center Forecast Advisory # 15)

Hurricane Makani2013 is currently a Category 2 hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 110 mph (95 kts), moving west-northwest at 14 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 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 Maui, HI

(Based upon Hurricane Makani2013 Advisory #15)

Wind Probabilities

LANAI CITY, the closest reporting location, has within the 5-day forecast period of this advisory, a 56% chance of at hurricane-force (64kt/74mph) winds, a 82% chance of at least strong tropical storm-force (50kt/58mph) winds, and a 96% chance of at least tropical storm-force (34kt/39mph) winds.

Peak Wind*

Winds in Maui, HI are projected to peak at 110kt/126mph around 3:00 PM on Tuesday, June 04, 2013

Wind Arrival and Duration*

Tropical storm-force winds (34kt/39mph) are forecast to begin in Maui, HI on Monday, June 03, 2013 at 10:00 PM. Winds of this magnitude or higher are forecast to continue for 35 hours.

Strong tropical storm-force winds (50kt/58mph) are forecast to begin in Maui, HI on Tuesday, June 04, 2013 at 6:00 AM. Winds of this magnitude or higher are forecast to continue for 18 hours.

Hurricane-force winds (64kt/74mph) are forecast to begin in Maui, HI on Tuesday, June 04, 2013 at 9:00 AM. Winds of this magnitude or higher are forecast to continue for 13 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 16
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP862013
1100 PM HST MON JUN 03 2013

EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE

...MAKANI POISED TO IMPACT HAWAII...

SUMMARY OF 1100 PM HST...0900 UTC...INFORMATION

LOCATION...19.6N 153.4W
ABOUT 110 MI...180 KM E OF HILO HAWAII
ABOUT 315 MI...505 KM ESE OF HONOLULU HAWAII
MAXIMUM SUSTAINED WINDS...125 MPH...205 KM/H
PRESENT MOVEMENT...WNW OR 290 DEGREES AT 14 MPH...22 KM/H
MINIMUM CENTRAL PRESSURE...955 MB...28.20 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

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHING THE WARNING AREA. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD EITHER BE COMPLETE OR RUSHED TO COMPLETION.

CHECK WITH LOCAL EMERGENCY MANAGEMENT OFFICIALS FOR EVACUATION NOTICES.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM HST...0900 UTC...THE CENTER OF HURRICANE MAKANI WAS LOCATED NEAR LATITUDE 19.6 NORTH...LONGITUDE 153.4 WEST. MAKANI IS MOVING TOWARD THE WEST-NORTHWEST NEAR 14 MPH...22 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 48 HOURS.

MAXIMUM SUSTAINED WINDS ARE NEAR 125 MPH...205 KM/H...WITH HIGHER GUSTS. MAKANI IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SLIGHT WEAKENING IS FORECAST DURING THE NEXT 48 HOURS...HOWEVER...MAKANI IS EXPECTED TO REMAIN A STRONG CATEGORY 3 TO 4 STORM FOR THE NEXT 24 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES...95 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 215 MILES...345 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 955 MB...28.20 INCHES.

HAZARDS AFFECTING LAND

WINDS...HURRICANE FORCE WINDS ARE EXPECTED TO IMPACT VIRTUALLY ALL AREAS IN THE STATE OF HAWAII OVER THE NEXT 24 PLUS HOURS. MAKANI WILL GENERATE A SWATH OF DAMAGING WIND CREATING WIDESPREAD DAMAGE AND LIKELY POWER OUTAGES.

SURF...LARGE BREAKING WAVES WILL IMPACT ALL SHORES...ESPECIALLY EAST AND SOUTH FACING...OVER THE NEXT 24 TO 30 HOURS AS MAKANI PASSES. SEVERE COASTAL OVERWASH...FLOODING...AND EROSION IS LIKELY.

SURGE...SIGNIFICANT STORM SURGE WILL BE ASSOCIATED WITH MAKANI AND WILL IMPACT ALL ISLANDS OVER THE NEXT 24 TO 30 HOURS. THE SURGE WILL BE MAXIMIZED ALONG THE NORTHERN EDGE OF THE CENTER OF THE STORM...IN THE RIGHT FRONT QUADRANT. DANGEROUS INUNDATION IS LIKELY AS MAKANI MIGRATES THROUGH THE STATE.

RAINFALL...RAINFALL AMOUNTS OF 6 TO 14 INCHES ARE LIKELY IN MOST AREAS. LOCALIZED HIGHER AMOUNTS ARE POSSIBLE.

NEXT ADVISORY

NEXT COMPLETE ADVISORY...500 AM HST.

\$\$
FORECASTER CRAIG

NNNN