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PNSWSH

SERVICE CHANGE NOTICE 09-11
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1030 AM EST TUE FEB 24 2009

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAA WEATHER WIRE SERVICE
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
-NOAAPORT
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: THERESE Z. PIERCE
CHIEF...MARINE AND COASTAL SERVICES BRANCH

SUBJECT: SERIES OF PROBABILISTIC HURRICANE STORM SURGE PRODUCTS BECOME
OPERATIONAL AND EXPAND IN THRESHOLDS: EFFECTIVE JUNE 1 2009

THE NWS PROVIDED THE PROBABILITIES OF STORM SURGE FROM TWO /2/ TO 10
FEET...AT ONE FOOT INTERVALS ON AN EXPERIMENTAL BASIS FOR THE 2008
ATLANTIC HURRICANE SEASON. THE ONLY EXCEPTION WAS THE PROBABILITY OF
STORM SURGE AT FIVE /5/ FEET...PROVIDED AS AN OPERATIONAL PRODUCT IN 2008.

BASED ON COMMENTS FROM USERS...A NUMBER OF PROBABILISTIC STORM SURGE
PRODUCTS WILL BECOME OPERATIONAL FOR THE 2009 ATLANTIC HURRICANE SEASON.
IN ADDITION...THERE WILL BE AN INCREASE IN THE NUMBER OF PRODUCTS
PRODUCED.

SPECIFICALLY...FOR THE 2009 ATLANTIC SEASON...THE NWS WILL ADD THE
PROBABILITIES OF STORM SURGE OUTPUT FROM 11 TO 25 FEET...AT ONE FOOT
INTERVALS. THE COMPLETE SUITE OF PRODUCTS...FROM TWO /2/ THROUGH 25
FEET...AT ONE FOOT INTERVALS...IS DEEMED OPERATIONAL FOR 2009.

THESE PROBABILISTIC STORM SURGE PRODUCTS WILL ONLY BE GENERATED WHEN
HURRICANE WATCHES AND/OR WARNINGS ARE IN EFFECT FOR THE ATLANTIC AND GULF
COASTS OF THE CONTINENTAL UNITED STATES /CONUS/.

WHEN PRODUCED...GRAPHICAL VERSIONS OF THE PRODUCTS WILL BE POSTED ONLINE
AT /USE LOWER CASE/:

[HTTP://WWW.NHC.NOAA.GOV](http://www.nhc.noaa.gov)

A COMPREHENSIVE DESCRIPTION AND EXAMPLE OF THE PRODUCTS IS POSTED ONLINE
AT /USE LOWER CASE/:

[HTTP://WWW.NHC.NOAA.GOV/ABOUTNHCGRAPHICS.SHTML](http://www.nhc.noaa.gov/aboutnhcgraphics.shtml)

IN ADDITION...GRIDDED BINARY VERSION TWO /GRIB2/ FILES OF THE PRODUCTS
WILL BE TRANSMITTED ON NOAAPORT. THE COMPLETE SUITE OF WORLD
METEOROLOGICAL ORGANIZATION /WMO/ HEADERS FOR THE GRIDDED PRODUCTS
FOLLOWS:

WMO HEADER	PRODUCT
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LGXT02 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 2 FEET
LGXT03 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 3 FEET
LGXT04 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 4 FEET
LGXT05 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 5 FEET
LGXT06 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 6 FEET
LGXT07 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 7 FEET
LGXT08 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 8 FEET
LGXT09 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 9 FEET
LGXT10 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 10 FEET
LGXT11 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 11 FEET
LGXT12 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 12 FEET
LGXT13 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 13 FEET
LGXT14 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 14 FEET
LGXT15 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 15 FEET
LGXT16 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 16 FEET
LGXT17 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 17 FEET
LGXT18 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 18 FEET
LGXT19 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 19 FEET
LGXT20 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 20 FEET
LGXT21 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 21 FEET
LGXT22 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 22 FEET
LGXT23 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 23 FEET
LGXT24 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 24 FEET
LGXT25 KNHC	PROBABILITY OF STORM SURGE GREATER THAN 25 FEET

THE OUTPUT PROBABILITIES ARE BASED OFF FEET ABOVE THE NATIONAL GEODETIC VERTICAL DATUM...COMMONLY ANNOTATED AS NGVD.

IF YOU HAVE ANY QUESTIONS...PLEASE CONTACT:

TIMOTHY SCHOTT
 NATIONAL WEATHER SERVICE
 MARINE AND COASTAL SERVICES BRANCH
 SILVER SPRING MARYLAND
 PHONE: 301-713-1677 EXTENSION 122

NATIONAL SERVICE CHANGE NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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