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PNSWSH

Public Information Statement 22-49 Updated  
National Weather Service Headquarters Silver Spring MD  
420 PM EDT Tue Sep 27 2022

To:           Subscribers:  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:         Greg Schoor  
              Chief, Marine, Tropical and Tsunami Services Branch

Subject: Updated: Soliciting Comments on Experimental Coastal Waters  
Forecast Wave Component Update through July 31, 2023

Updated to add WFO Mobile as a participating office.

The NWS is accepting public comments through July 31, 2023 on the  
Experimental Coastal Waters Forecast (CWF) Wave Component Update.

The NWS, through this experimental product, will now provide wave height,  
period, and direction in the CWF. Currently, some Weather Forecast Offices  
(WFOs) only provide significant wave height, while others only provide  
wind wave and swell, creating inconsistencies. The Experimental CWF Wave  
Component Update will enable NWS WFOs to provide enhanced wave information  
in the CWF as follows:

1) Significant wave height (mandatory) with range (optional). The term  
"Seas" will be used for coastal WFOs and "Waves" will be used for the  
bays, sounds, and other bodies of water.

For example:

Seas 6 ft. (wave height)  
Seas 4 to 6 ft. (wave height with range)

2) Occasional wave height (statistically highest 1/10 wave  
height) (optional).

For example:

Seas 6 ft. with occasional seas to 8 ft.

3) Wave detail information (optional) - height, period, and direction for  
one or more waves systems. Wave detail will be provided out to six  
forecast periods. Beyond six forecast periods, only significant wave  
height will be provided. For example,

Seas 6 ft with occasional seas to 8 ft.  
Wave Detail: NE 5 ft at 5 seconds and SE 3 ft at 15 seconds.  
Seas 4 to 6 ft  
Wave Detail: NW 4 ft at 5 seconds and SW 4 ft at 15 seconds.

4) This experimental product will not be utilizing the terms "wind wave" and "swell." These terms were useful to infer something about the characteristics of a given wave before we had modern wave models, which can precisely describe a wave's characteristics using height, period and direction.

The amount of detailed wave information provided will depend on the conditions and the specific NWS Region.

Table 1: NWS Offices Participating in the Experimental CWF Wave Component Update (web product only)

Participating WFO	Web Address
Boston, MA (BOX)	<a href="https://www.weather.gov/box/proposedcwf">https://www.weather.gov/box/proposedcwf</a>
Caribou, ME (CAR)	<a href="https://www.weather.gov/car/proposedcwf">https://www.weather.gov/car/proposedcwf</a>
Charleston, SC (CHS)	<a href="https://www.weather.gov/chs/proposedcwf">https://www.weather.gov/chs/proposedcwf</a>
Corpus Christi, TX (CRP)	<a href="https://www.weather.gov/crp/proposedcwf">https://www.weather.gov/crp/proposedcwf</a>
Eureka, CA (EKA)	<a href="https://www.weather.gov/eka/proposedcwf">https://www.weather.gov/eka/proposedcwf</a>
Honolulu, HI (HFO)	<a href="https://www.weather.gov/hfo/proposedcwf">https://www.weather.gov/hfo/proposedcwf</a>
Miami, FL (MFL)	<a href="https://www.weather.gov/mfl/proposedcwf">https://www.weather.gov/mfl/proposedcwf</a>
Mobile, AL (MOB)	<a href="https://www.weather.gov/mob/proposedcwf">https://www.weather.gov/mob/proposedcwf</a>
Morehead City, NC (MHX)	<a href="https://www.weather.gov/mhx/proposedcwf">https://www.weather.gov/mhx/proposedcwf</a>
Mount Holly, NJ (PHI)	<a href="https://www.weather.gov/phi/proposedcwf">https://www.weather.gov/phi/proposedcwf</a>
Portland, OR (PQR)	<a href="https://www.weather.gov/pqr/proposedcwf">https://www.weather.gov/pqr/proposedcwf</a>
San Diego, CA (SGX)	<a href="https://www.weather.gov/sgx/proposedcwf">https://www.weather.gov/sgx/proposedcwf</a>
San Francisco, CA (MTR)	<a href="https://www.weather.gov/mtr/proposedcwf">https://www.weather.gov/mtr/proposedcwf</a>
Upton, NY (OKX)	<a href="https://www.weather.gov/okx/proposedcwf">https://www.weather.gov/okx/proposedcwf</a>
Wakefield, VA (AKQ)	<a href="https://www.weather.gov/akq/proposedcwf">https://www.weather.gov/akq/proposedcwf</a>
Wilmington, NC (ILM)	<a href="https://www.weather.gov/ilm/proposedcwf">https://www.weather.gov/ilm/proposedcwf</a>

Comments and feedback on the Experimental CWF Wave Component Update at the offices listed above can be provided via the NWS Survey at:

[https://www.surveymonkey.com/r/ExpCWFWaveComponentUpdate\\_2022](https://www.surveymonkey.com/r/ExpCWFWaveComponentUpdate_2022)

The Product Description Document for the Experimental CWF Wave Component Update can be accessed from:

[https://nws.weather.gov/products/PDD/PDD\\_ExpCoastalWatersForecastWaveComponentUpdate\\_2022.pdf](https://nws.weather.gov/products/PDD/PDD_ExpCoastalWatersForecastWaveComponentUpdate_2022.pdf)

If feedback is favorable at the end of the comment period, the results will be evaluated to determine whether the Experimental CWF Wave Component Update will be expanded to all coastal and Great Lakes offices.

If you have questions or comments, please contact:

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National Public Information Statements are online at:

<https://www.weather.gov/notification/>

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