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Public Information Statement 22-49
National Weather Service Headquarters Silver Spring MD
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From: Kate Abshire
 Acting Chief, Marine, Tropical and Tsunami Services Branch

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

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

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/ExpCWFWaveComponentUpdate2022>

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

https://nws.weather.gov/products/PDD/PDD_ExpCoastalWatersForecastWaveComponentUpdate2022.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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