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From: Dr. Thomas Graziano
 Director, Office of Water Prediction

Subject: Soliciting Comments on the National Water Center's Experimental
 Area Hydrologic Discussion Product through December 31, 2022

The NWS is soliciting comments and feedback on the Experimental Area Hydrologic Discussion Product (AHD) through December 31, 2022. The experimental AHD will provide a near-term discussion of the potential for the rapid-onset of flooding and its related impacts, by concentrating on very specific areas of the continental United States (CONUS). Information contained in the AHD will include analysis of the National Water Model (NWM) Short-Range Forecast (SRF) 12-hour rapid-onset flooding probabilities and other outputs, such as high water probabilities, high flow magnitude analysis, and/or past 7- or 14-day average high flow magnitude analysis.

This NWC product is intended to be used by NWS field offices to aid in the flash flood watch and warning decision making process, and support Impact-based Decision Support Services (IDSS) and NOAA's mission of saving lives and property. The product may also be used by NWS Core Partners as part of IDSS and is available publicly. The AHD will be issued only during times in which the atmospheric and current antecedent conditions support potential hydrologic and flood related impacts with respect to flash, urban, or small stream flooding and will not be supported 24x7 during this experimental phase.

The experimental AHD will feature a graphic and text combination to represent the potential developing flood related impacts. The text will include a list of the threat (what), locations affected (where), and timing (when) in the header, applicable current conditions (e.g., Quantitative Precipitation Estimates, soil moisture, streamflow status), and a discussion on how antecedent conditions, combined with forecast rainfall, could potentially result in rapid-onset flooding.

The experimental AHD is accessible from the following landing page:
<https://www.weather.gov/owp/operations>.

Please provide comments and feedback through the NWS official survey:
https://www.surveymonkey.com/r/ExpAreaHydroDisc_2022

More information about the experimental AHD can be found in the Product Description Document at:

https://nws.weather.gov/products/PDD/PDD_ExpAreaHydrologicDiscussion_2022.pdf

For additional questions or comments on this product, please contact:

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National Public Information Statements are online at:

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

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