

NOUS41 KWBC 251530 AAB  
PNSWSH

Public Information Statement 22-43 Updated  
National Weather Service Headquarters Silver Spring MD  
1130 AM EDT Wed Sep 25 2024

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

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

Subject: Updated: Extending Comment Period on the National Water Center's  
Experimental Area Hydrologic Discussion Product through June 30, 2025

Updated to extend the comment period through June 30, 2025.

Reference: Public Information Statement (PNS) 22-43, issued April 27,  
2023:

[https://www.weather.gov/media/notification/pdf\\_2023\\_24/pns22-43\\_area\\_hydrologic\\_discussion\\_aaa.pdf](https://www.weather.gov/media/notification/pdf_2023_24/pns22-43_area_hydrologic_discussion_aaa.pdf)

The NWS is extending the comment period for the Experimental Area Hydrologic Discussion (AHD) Product through June 30, 2025. The AHD was updated during the previous comment period to remove the seconds from the valid and issuance times listed on the graphics, and only show the legends for layers that are present on the product graphics.

The NWS is soliciting comments and feedback on the Experimental AHD Product through June 30, 2025. The experimental AHD provides 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 includes 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 is 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 is not supported 24x7 during this experimental phase.

The experimental AHD features a graphic and text combination to represent the potential developing flood related impacts. The text includes a list of the threat (what), areas 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 National Water Prediction Service (NWPS) at: <https://water.noaa.gov>

Please provide comments and feedback through the NWS official survey:

[https://www.surveymonkey.com/r/ExpAreaHydroDisc\\_2024-25](https://www.surveymonkey.com/r/ExpAreaHydroDisc_2024-25)

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

[https://nsdesk.servicenowservices.com/api/g\\_noa/nwspc/res2/598467bf47981e90f6550c03e16d4396](https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/598467bf47981e90f6550c03e16d4396)

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

Russ Barton  
National Water Center  
Tuscaloosa, AL  
Email: [russ.barton@noaa.gov](mailto:russ.barton@noaa.gov)

The Public Information Statement announcing the initial comment period for the experimental AHD product is online at:

[https://www.weather.gov/media/notification/pdf\\_2023\\_24/pns22-43\\_area\\_hydrologic\\_discussion\\_aaa.pdf](https://www.weather.gov/media/notification/pdf_2023_24/pns22-43_area_hydrologic_discussion_aaa.pdf)

National Public Information Statements are online at:

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

NNNN