



Experimental National Hydrologic Discussion (NHD)

- WHAT:** Discussion to inform users of the current and forecast (Days 1 - 10) hydrologic conditions at the continental scale, integrate and discuss hydrologic guidance from various sources, and provide additional information on potential impacts to communities along streams and rivers.
- WHO:** National Weather Service internal and external surface water information users as part of Impact-based Decision Support Services (IDSS).
- WHY:** Provide a holistic picture of current and forecast hydrologic concerns.
- WHEN:** Issued daily at 10:30 AM CDT (1530Z).
- WHERE:** <https://www.weather.gov/owp/operations/nhd>

National Hydrologic Discussion - EXPERIMENTAL
NWS National Water Center - Tuscaloosa AL
1015 AM CDT TUE JUN 21 2022

.Synopsis...

Flash flooding impacts in the [Southwest](#)... Urban and small stream flooding is possible in the [Northeast and Mid-Atlantic](#)... Isolated flooding continues in the [Northern Plains](#)... Flooding threat winding down in the [Northern Rockies](#)... Heavy rain and an isolated river rises in [Alaska](#)...

.Discussion...

.Southwest...

Monsoonal moisture continues to impact this region today and is forecast to continue into the weekend, with flash flooding being the main focus in NM, eastern AZ, and southern CO over the next 7 days in response to 1 - 1.5" of daily rainfall forecast (WPC). Heavier rain rates could also materialize on recently saturated soils which could aid in the flash flooding threat in complex terrain and low lying areas.

The National Water Model (NWM) Medium-Range Forecast (MRF) continues to show high water flows along many headwater streams and rivers in eastern AZ, western/northern NM and far southern CO. These responses line up well with the forecast rainfall which adds confidence in the potential for flash flooding impacts over vulnerable areas like arroyos and slot canyons. Flash flooding and debris flows are also possible around recently burned areas. Widespread river flooding impacts are not expected.

Figure 1: Experimental NHD issued on June 21, 2022 at 10:30 AM CDT

The NWS is accepting comments through December 31, 2022 on the Area Hydrologic Discussion (AHD). Please provide feedback on this product at: https://www.surveymonkey.com/r/Exp_NatlHydrologicDiscussion_2022