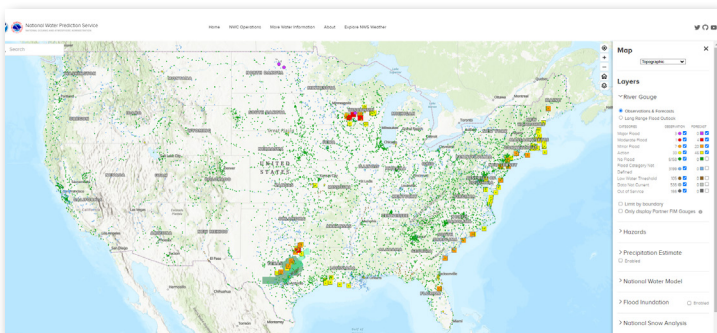


# Introducing the New National Water Prediction Service (NWPS)

The National Water Prediction Service (NWPS) is the one-stop shop for critical National Weather Service (NWS) water resources information including river observations, forecasts, site data, and data services. The service can be found at [water.noaa.gov](http://water.noaa.gov) and replaces the legacy Advanced Hydrologic Prediction Service (AHPS).

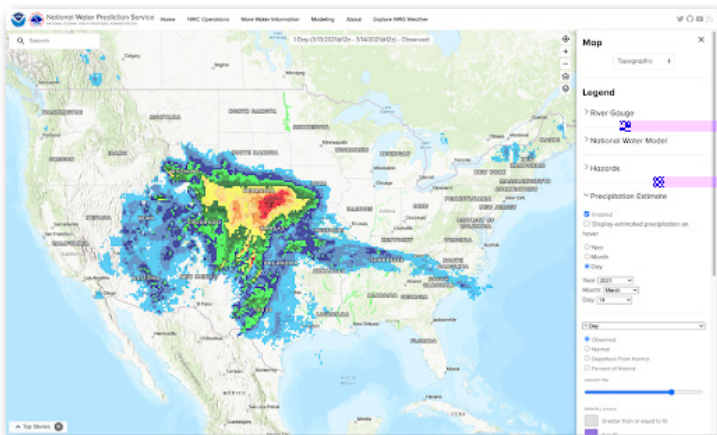
## National Map

The national map defaults to displaying river observation and forecast locations that are color-coded according to the flood status of their most recent stage or flow observation, or according to the maximum stage or flow forecast through the entire forecast period.



## Accumulated Precipitation Maps

Users may access accumulated historical precipitation in addition to climatic trends across the conterminous United States, Puerto Rico, and Alaska.

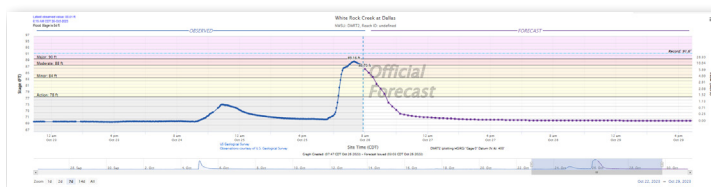


## Dynamic Hydrographs

Dynamic hydrographs on NWPS depict recent river stage and/or flow observations. For many locations across the U.S., it shows a display of the official NWS forecast for the next few days along with complementary National Water Model guidance.

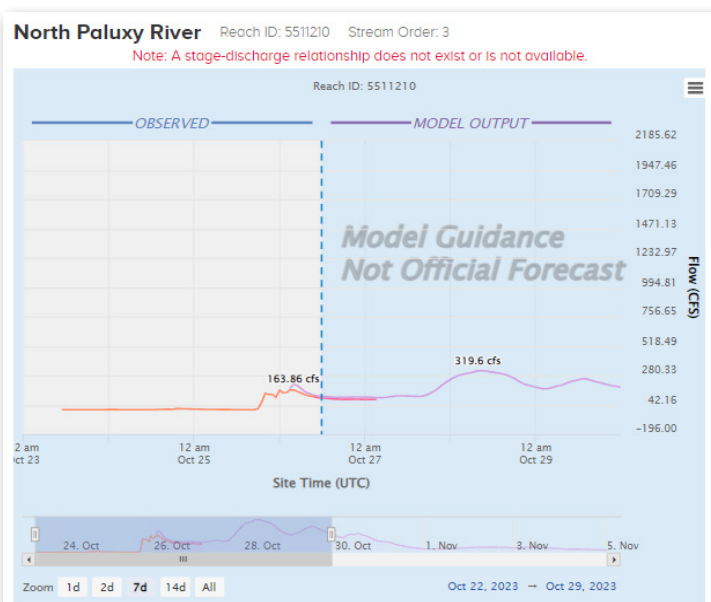
### Hydrograph with the Official NWS Forecast

The hydrograph page with the official NWS forecast may include flood impact information, gauge information and photos, recent crests, probability information, a list of collaborative agencies, and other resources.



### Hydrograph with National Water Model Guidance

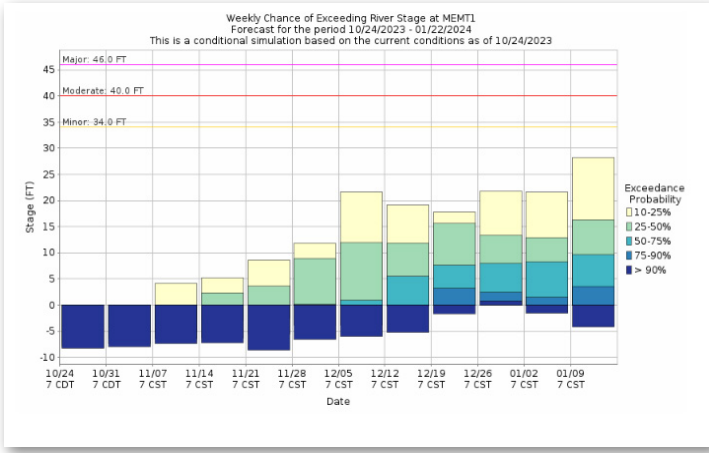
Users may choose to toggle on and off the (National Water Model (NWM) streamflow guidance including the latest Analysis and Short-Range forecast, and Medium-Range and Long-Range ensemble forecasts. NWM guidance is available across 3.4 million river miles of the United States.



# Probabilistic Forecasts

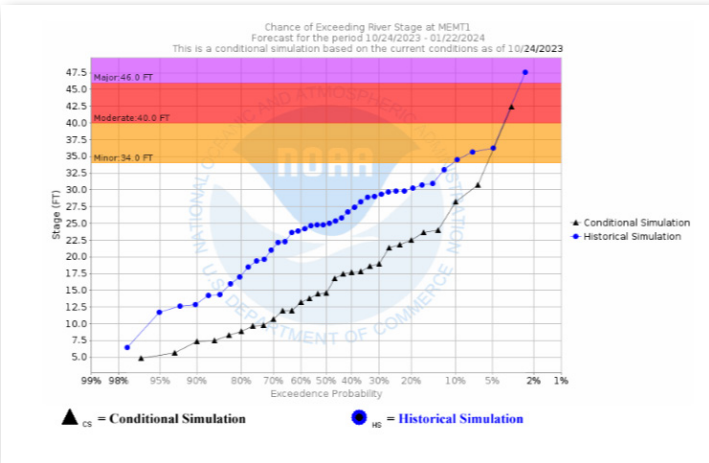
## Weekly Chance of Exceeding Levels

This graphical product shows the probability of the maximum stage, flow, or volume exceeding a threshold value for 7-day increments over a 90-day period.



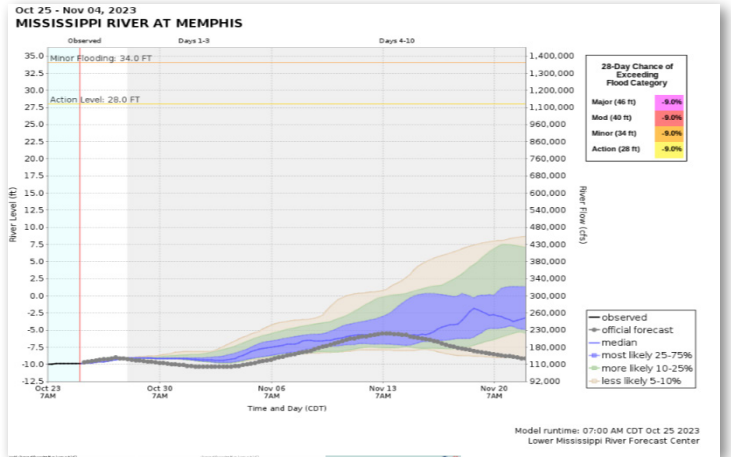
## Chance of Exceeding Levels during Entire Period

This graphical product shows the probability of the river stage, flow, or volume going above threshold levels during the forecast period labeled above the graph (usually 30 or 90 days).



# Short-term Probabilistic Guidance

This graphical product depicts short-range river forecast uncertainty and conveys the range of possible river stages and flows at each forecast timestep. These forecast scenarios are shaded using different categories of forecast probability, ranging from most likely to least likely, and are derived from ensemble river forecasts produced by NWS River Forecast Centers.



# Flood Inundation Maps

Detailed flood inundation maps of extent and depth of water are available on gauge pages for select NWS forecast points where static flood inundation map libraries have been developed through partnerships. Within an area that encapsulates 10% of the United States population, experimental forecast flood inundation maps are also available downstream of RFC flood forecast locations and where NWM forecast guidance depicts anomalous high flow. Visit <https://www.weather.gov/owp/operations> for more information on NWS experimental flood inundation map services.

