



Experimental NWM High Flow Magnitude

Depicts the magnitude of the National Water Model (NWM) streamflow forecast for river reaches where the NWM is signaling high water. Current streamflow used is from the NWM analysis and assimilation run, while forecast streamflow is from the short-range and medium-range NWM runs over the contiguous U.S. and a few locations outside the contiguous U.S. (OCONUS). Only reaches with flow at or above high water thresholds are shown. Reaches are colored by the annual exceedance probability (AEP) of the respective model flow, from the current or maximum flow of the given model time period. High water thresholds (regionally varied) and AEPs were derived using the 40-year NWM v2.1 reanalysis simulation.

- Configurations Available:**
- Current Analysis
 - Past 7-Day & 14-Day Analysis
 - Short-Range 18-Hour Forecast
 - Medium-Range 3, 5, & 10-Day Forecast

- Domains Available:**
- ConUS (All Configurations)
 - Hawaii (Current Analysis & Short-Range)
 - Puerto Rico / Virgin Islands (Current Analysis & Short-Range)

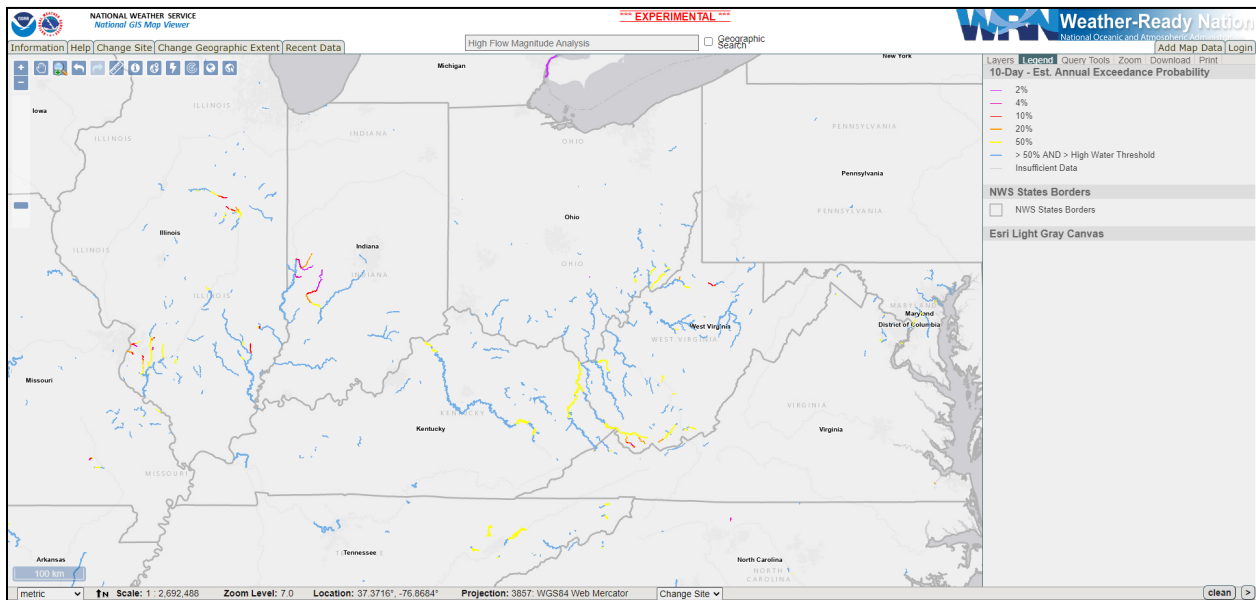


Figure: National GIS Map Viewer, depicting NWM-HydroVIS High Flow Magnitude 10-Day Forecast. Image from 03 Aug 2022

[Public Handbook: NWC Visualization Services](#)

The NWS is accepting comments through December 31, 2022 on the Experimental NWC Visualization Services. This service is one of many Experimental NWC Visualization Services. Please provide feedback on the Experimental NWC Visualization at: https://www.surveymonkey.com/r/Exp_NWCVisSvc_2022