

National Weather Service (NWS) Service Description Document (SDD)
Prototype National Water Model (NWM) Visualization Services
March 27, 2020

Part I - Mission Connection

a. Service Description:

The NWS Office of Water Prediction (OWP) is prototyping the National Water Model (NWM) Visualization Services consisting of geospatial representations of river network information and flood inundation mapping (FIM). A more detailed description of the proposed suite of visualizations, including update frequency and methodology for all prototype visualizations developed by the OWP, will be provided in the Handbook: OWP Visualization Services, which is available at the following website: <https://www.weather.gov/water/> These services will be available to the general public via the OWP website if/when the services are implemented operationally.

b. Feedback Method:

User feedback is extremely important to improve the development of the prototype NWM Visualization Services. Responses will also help identify new visualizations for further internal testing and/or those with the highest utility for public comment/review in future experimental and/or operational implementation. Feedback from the general public on the proposed services (as described in the Handbook of OWP Visualization Services), as well as direct feedback from River Forecast Centers, the Weather Prediction Center, select Weather Forecast Offices, and others will be collected through August 1, 2020 by email to: Water Prediction Operations Division, nws.nwc.ops@noaa.gov.

Part II - Technical Details of Standards

The Handbook: “OWP Visualization Services”, which provides descriptions, update frequencies, and methodologies for all currently available NWM Visualization Services, is available at <https://www.weather.gov/water/>.