OWP | OFFICE OF WATER PREDICTION

Website: https://water.noaa.gov
Email: nws.nwc@noaa.gov
Locations: Tuscaloosa, AL - Silver Spring, MD - Chanhassen, MN

THE NATIONAL WATER CENTER

Located in Tuscaloosa, Alabama, the NWC plays a vital role in developing a series of real-time data services that process and visualize NWM output in such a way that it can be used by the NWS's stakeholders to make quick, informed hydrologic decisions.

BACKGROUND

Ten years ago, Congressional leaders noted the growing risks of flooding and severe weather across the country, leading them to call for a new national center to address our Nation's increasing water challenges. At the same time, the National Oceanic and Atmospheric Administration (NOAA) was already collaborating with the U.S. Geological Survey (USGS) and U.S. Army Corps of Engineers (USACE) through the Integrated Water Resource Science and Services (IWRSS) consortium to develop shared plans for a national center to advance water resources prediction nationwide. When Congressional vision met agency planning, the National Water Center (NWC) was established and is the cornerstone facility of the Office of Water Prediction (OWP) within NOAA's National Weather Service (NWS).

Designed and built at the University of Alabama in Tuscaloosa (UA), the facility opened on May 26, 2015, receiving a Leadership in Energy and Environmental Design (LEED) Gold certification. At the OWP, our mission is to collaboratively research, develop and deliver timely and consistent, state-of-the-science national hydrologic analyses, forecast information, data, guidance, and decision-support services to inform essential emergency management and water resources decisions across all time scales. The OWP fosters a creative and collaborative environment supporting scientific leadership, workforce excellence, consistent mission execution, effective communication and partnerships to enable the NWS to collectively deliver impact-based decision support services across the nation.

The OWP is a geographically distributed organization which includes elements in Maryland, Minnesota and Alabama. Since 2015, the NWC has developed a cadre of Federal staff, contractors, and scientists from NOAA Cooperative Institutes, and has hosted more than 80 scientific and technical meetings with over 2,600 participants.

OUR MISSION

NWC's mission is to promote collaboration across the scientific community, serving as both a catalyst to accelerate the transition of research into operations and a center of excellence for water resources, science, information, and prediction services. These services inform essential emergency management and water resources decisions across all time scales, including drought, low-flow risks, and information needs for routine and long-range water management and planning.

THESE SERVICES WILL:

- Strengthen the Nation's water forecast capabilities by serving as an innovation incubator and research accelerator to bring the most cutting edge technologies to bear on national water challenges
- Improve national preparedness for water-related disasters through delivery of high-resolution flood forecast inundation maps and other associated services
- Support integrated water resource management at the local, state, regional, and national levels
- Inform event-driven, high impact, and routine, high-value water decisions at the local, state, regional, and national levels
- Provide water information that supports and promotes informed water stewardship

HOW CAN YOU WORK WITH THE NWC?
HIRING & COLLABORATION OPPORTUNITIES

Come join us on the front lines transforming how our nation responds to water events. Our workforce at the National Water Center (NWC) consists of Federal employees, contractors and grant recipients. We hire GIS, software engineers, hydrologists, social scientists, software architects, inland and coastal hydraulic modelers, computational scientists, emergency managers, and more.

To learn more about what OWP has to offer, reach out to us at **nws.nwc@noaa.gov** or visit us at **https://water.noaa.gov/** for more information.

Employment Opportunities:

- Cooperative Institute for Research to Operations in Hydrology (CIROH)
- USAjobs.gov

Student Opportunities:

- The National Water Center Innovators Program: Summer Institute (CUAHSI)
- Pathways Internship Program

SEE WHAT OUR INTERNS HAVE TO SAY

Funding Opportunities:

- Office of Oceanic and Atmospheric Research (OAR)
- Joint Technology Transfer Initiative (JTTI)
- U.S. Weather Research Program (USWRP)
- NWS Collaborative Science, Technology, and Applied Research Program (CSTAR)
- The Cooperative Program for Operational Meteorology, Education and Training (COMET)