

USACE Wave Information Study (WIS) Team Provides Upgraded Portal for Enhanced User Experience

Impact Statement: The USACE Wave Information Study (WIS) has released an updated user interface for the Wave Information Study (WIS) data portal, enhancing overall performance with streamlined maintenance, improved bug fixes, and a user-centric design optimized for both desktop and mobile platforms.

The Wave Information Study (WIS) team is pleased to announce an updated user interface for the WIS data portal (Figure 1). This update transitions the interface from OceanMap to OceanMap3, delivering a more streamlined and efficient user experience, while maintaining access to the trusted data and products that the USACE and broader user community rely on. The upgrade ensures seamless navigation, optimized functionality across devices, and improved system maintenance. A complete list of upgrades and added capabilities is available online at https://wis.erdc.dren.mi./portal_update.html/.

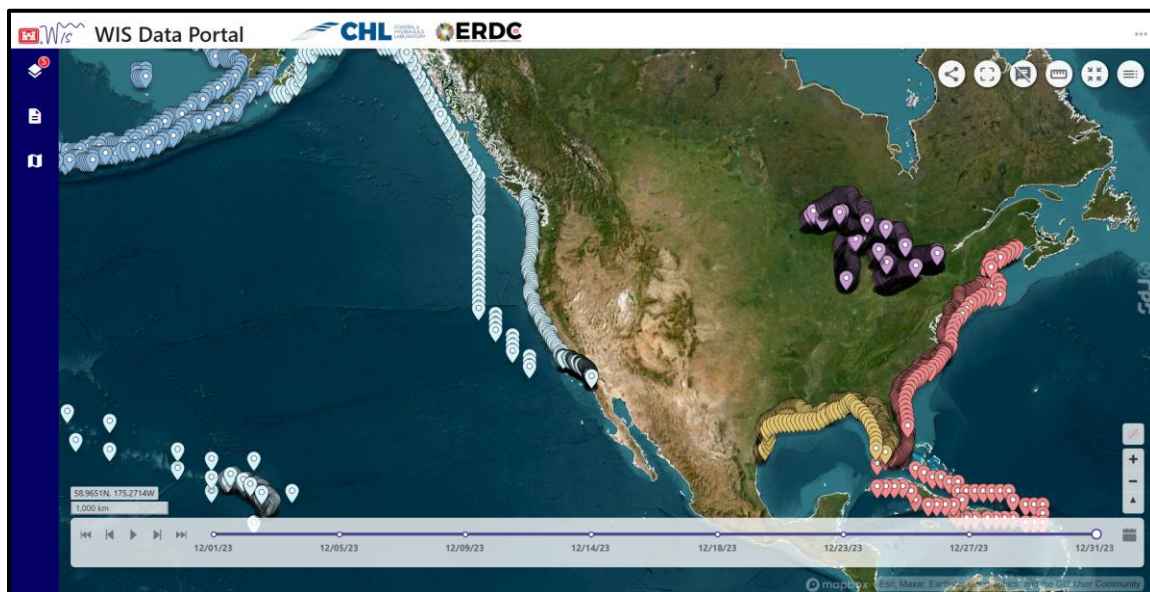


Figure 1. Updated Wave Information Study (WIS) Data Portal.

The WIS delivers a nationally recognized resource of long-term wave climatologies for all U.S. coastal waters. It utilizes high-resolution wind fields, mean daily ice concentration fields (where applicable), and advanced third-generation phase-averaged wave modeling technologies. The model results are rigorously evaluated against point-source measurements and satellite-based altimetry to provide high-quality wave estimates.

Users can easily access WIS estimates and tailored, interactive products through the WIS Data Portal: <https://wisportal.erdc.dren.mil/>. In 2024, WIS and its Data Portal were recognized as one of the Top 10 Civil Works products, highlighting their value and impact.

For more information on the WIS Program, please see the WIS Program website: <https://wis.erdcdren.mil>. We greatly appreciate your feedback on the WIS and how you utilize our products. Please feel free to email us at WISInfo@erdcdren.mil.

Primary funding for the WIS Operations work unit is provided by the USACE Coastal and Ocean Data System (CODS) Base Program, with supplementary funding provided by the USACE Hydrology, Hydraulics, and Coastal Software Engineering Tools (HH&C SET) Program.

This work contributes to multiple USACE Flood Risk Management (FRM), Navigation (NAV), and Environmental (ENV) Civil Works Statements of Need (SoN) – anywhere historical wave climate conditions are required. WIS fully supports the Technology Support Mission of the USACE FRM, NAV, and ENV Civil Works Programs.

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