

Geospatial Tools Aid Water Resources, Simulation Programs

The Army Geospatial Center (AGC) and Engineer Research and Development Center have released the Hydrologic Data Resources Application (HyDRA), a web-based data survey and analysis tool created to provide the Department of Defense logistics and geospatial intelligence-related water communities with information on water resources data collection, visualization and dissemination in a mobile, enterprise-enabled environment.

HyDRA allows users to view, collect and edit unclassified water resources features via Android 2.2+ OS smart devices using Google Maps and Google Earth applications. Wells, water tanks, water storage points, dams, treatment plants and other features may be added, queried and edited in “connected” and “disconnected” modes, and collected features may also be edited through a Web page using the same functionality.

The Web page and app were created to assist Army engineers and the water community working in infrastructure and reconstruction operations with feature collection

and identification. A compass feature is also included to assist the user in finding the nearest water feature and its bearings.

The mobile application may be downloaded from the AGC’s website at www.agc.army.mil/wrapp/hydralogin.cfm. An offline version of the mobile application, currently under development, will allow the user to store collected data locally and sync to the server after an Internet connection becomes available.

HyDRA’s database was initially populated with over 1.6 million features from across the globe. Information collected is added to the AGC’s Water Resources Data Base, an enterprise geodatabase containing information on the location, quantity and quality of land-based surface, ground and existing water facility features designed to support overseas DoD water resource missions. Both databases are maintained by the center’s water resources program, which serves as DoD’s primary agent for military water resource analysis and detection.

In addition, AGC recently announced that it has begun distributing modeling and simulation (M&S) terrain databases along with operational geospatial products on its Common Map Background (CMB) website, with the goal of providing a single repository for all geospatial products. There are 161 free synthetic terrain databases that support live, virtual and constructive simulations used in training, testing and experimentation hosted on CMB.

These M&S terrain databases are available in multiple formats suitable for use in Joint Semi-Automated Forces, One Semi-Automated Forces, Virtual Battle Space 2 and other DoD simulations. Available terrain databases include selected Army training areas as well as areas of recent Army deployments.

The terrain databases are available for download for free to DoD users with Common Access Cards at https://agcwfs.agc.army.mil/cmb_online/default.aspx. CMB’s graphical interface is easy to use and users can select M&S terrain databases using a simple map interface.

PEOPLE



Betty Sapp

Betty Sapp, who has been serving as principal deputy director of the National Reconnaissance Office, has been named as NRO director. She replaces **General Bruce Carlson (Ret.)**, who is retiring.

Army **Lieutenant General Michael T. Flynn** has been nominated for reappointment to the rank of lieutenant general and

reassignment as the next director of the Defense Intelligence Agency. Flynn is currently serving as assistant director of national intelligence for partner engagement for the Office of the Director of National Intelligence.

Army **Major General Theodore C. Nicholas**, who is currently serving as deputy director of the Signals Intelligence Directorate at the National Security Agency, has been nominated for appointment to the rank of lieutenant general and reassignment as assistant director of national intelligence for partner engagement for the Office of the Director of National Intelligence.

Wiser Company has hired **Steven Fones** as GEOINT production division manager.

Dr. Dean May has joined ManTech as vice president of intelligence solutions for its Mission, Cyber and Intelligence Solutions group. He recently retired from the CIA after more than 30 years of service in the intelligence community, including the National Reconnaissance Office.

General Dynamics Information Technology has appointed **Stanley Tyliczszak** to the new role of staff vice president for technology integration and chief engineer. In this role, Tyliczszak will be responsible

for managing the company’s long-term technology plan and roadmap.



Marianne Meins

Agilex, a provider of mission and technology solutions to the national and homeland security, health care and public sectors, has appointed **Marianne Meins** as president of the company’s intelligence and defense sector business.