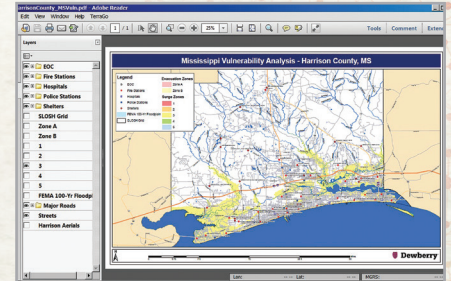**TERRAGO**
LOCATION DEFINED, INTELLIGENCE DELIVERED

ENHANCING DISASTER PLANNING AND EMERGENCY RESPONSE WITH LOCATION-BASED INTELLIGENCE

The Dewberry Hurricane Preparedness Team, a subgroup of the Hazard Engineering Services group, assists federal, state and county authorities by conducting various types of hurricane and natural disaster impact studies, including vulnerability analyses, evacuation planning, post-storm assessments and many more hazard preparedness analyses. Dewberry studies serve as an important baseline for decision making during the disaster preparedness, response and recovery processes.

CHALLENGE

Dewberry customers include emergency managers who are interested in accurate, timely data for understanding the possible impacts of varying levels of natural disaster threats, as well as emergency responders who rely on Dewberry maps when disaster strikes and are often in a disconnected environment. Both of these client groups require maps that are easy to access, update and share with their peers and headquarters. The Hurricane Preparedness Team at Dewberry needed a way to deliver location-based data in an electronic map format that could be easily accessed, updated and shared by its clients.
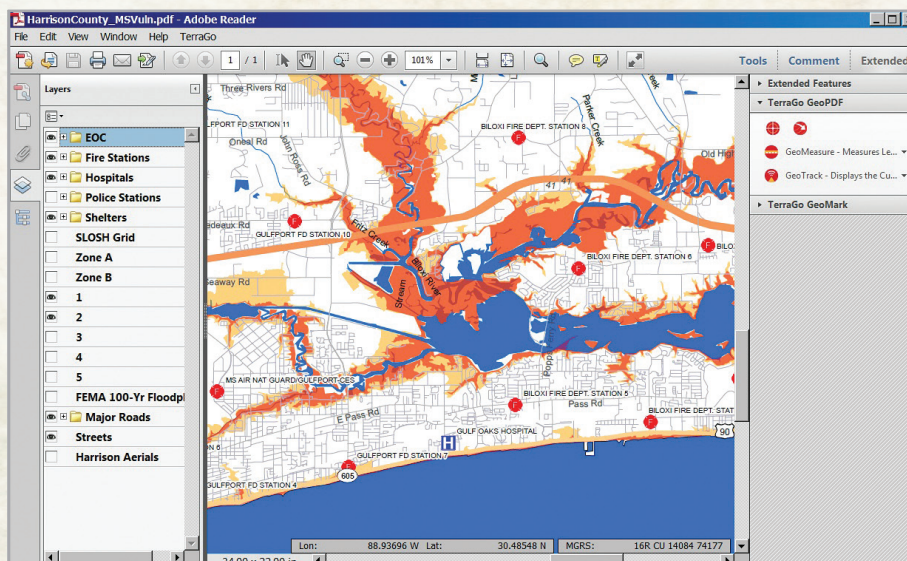
RESULTS

IMPROVE EMERGENCY RESPONSE BY DELIVERING LOCATION–BASED INTELLIGENCE

ENHANCE DISASTER PLANNING WITH ACCURATE AND TIMELY MAPS AND IMAGERY

ENABLE NON–GIS PERSONNEL TO EASILY ACCESS MAPS

INTERACT AND UPDATE GEOSPATIAL MAPS IN OFFLINE ENVIRONMENTS

PRODUCE RICH, CUSTOMIZABLE MAPS IN A COMPACT FILE SIZE

Map features are not only displayed on the map for visualization purposes, but they can also be queried to obtain information about the object or feature.

DEWBERRY HURRICANE PREPAREDNESS TEAM

SOLUTION

The Dewberry team selected the TerraGo® platform to deliver maps showing a comprehensive picture of their study findings to their clients. Using TerraGo, Dewberry now has the ability to produce customized GeoPDF® maps and imagery using its existing Esri ArcGIS® assets and deliver those maps to non-GIS field users, who are often working in offline environments. GeoPDF maps provide Dewberry clients with easy end-user access because they are contained within a PDF format. Since GeoPDF map layers can easily be turned on and off, Dewberry's maps can include multiple detailed layers that can be tailored to the needs of the end user and reduce file size, while remaining easy to read and understand. In addition, emergency managers using the GeoPDF maps can add information to the maps in the form of photo and video attachments, hyperlinks, icons and markups.

RESULTS

Using TerraGo software has enabled Dewberry to alter the way data is presented to clients, as most of the users are not GIS professionals, providing the ability to not only access the data, but to also interact with it to make critical decisions. The Dewberry team now uses GeoPDF maps and imagery to present study findings to clients in the disaster planning phase or to provide location-based intelligence to emergency managers responding to a crisis event.

The GeoPDF maps can include storm surge inundation, evacuation zones, critical facilities and community infrastructure, roadway networks, satellite imagery and much more. Map features are not only displayed on the map for visualization purposes, but they can also be queried to obtain information about the object or feature, providing critical information that assists emergency managers in the decision making process.

TESTIMONIAL

"With TerraGo, our study findings are presented in a way that our clients can immediately open and understand."

"This is incredibly important, for example, when they are making a possible life-and-death decision about who should stay and who should go during a planned evacuation process. And when these guys are responding to a disaster — since critical infrastructure such as phones and Internet are often cut off — GeoPDF maps can be distributed on print-outs, USBs or DVDs."

Bill Massey
Senior Project Manager,
Dewberry Hazard Engineering Services Team

ABOUT TERRAGO

TerraGo develops powerful location intelligence, geospatial collaboration and field data collection solutions that help the world's leading defense and intelligence departments, government agencies and commercial enterprises achieve mission success. From news feeds, blog posts and social media to documents, maps and imagery, TerraGo enables organizations to discover location intelligence, integrate geospatial intelligence and deliver situational awareness to the edge of operations and back. Founded in 2005, TerraGo developed some of the industry's most widely adopted geospatial integration and collaboration solutions, based on its innovative GeoPDF® technology and software, and pioneered place-based data discovery and visualization through its acquisition of Geosemble in 2012. Find the location intelligence solutions that matter to your mission at www.terragotech.com.

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