



U.S. Army Corps of Engineers Interagency and International Services

US Army Corps of Engineers.
Buffalo District
BUILDING STRONG_®

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Story Maps and Web Mapping Applications

The Buffalo District develops web-based GIS products and services to tell it's story through interfaces that incorporate interactive mapping, project photos and descriptions, and links to project fact sheets. The District currently has both [public facing](#) and internal Story Maps. The GIS web mapping applications which allow for viewing and analysis of both project-specific and broad scale geospatial information.

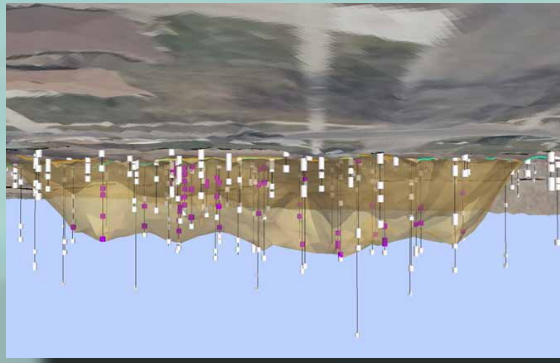


Timothy J. Crockett
Geospatial Coordinator

The USACE IIS Team is excited to share examples of our Geographic Information Systems (GIS) capabilities. Showcased are examples of web-based GIS applications and 3-D Modeling and Analysis that we can provide to improve public and internal understanding of complex projects, and assist with geospatial analysis and visualization of site conditions.

3-D Modeling and Analysis

GIS is utilized to visualize hydrographic survey information and to produce 3-D models of the bottom structure of the sediment within underwater project areas. Using GIS, our team is able to delineate and differentiate aquatic material types, bathymetry, and geography of study/survey areas.



GIS is also being used to help statistically estimate and visualize volumetric amounts of contaminated soils, sediment and groundwater at sites contaminated by activities related to the nation's early atomic energy program. This methodology is currently being applied at all Buffalo District Formerly Utilized Sites Remedial Action Program sites and provides an accurate estimate of contaminated soils for cost estimating purposes. This process also has improved public outreach by creating realistic 3D visualizations of contaminated soils.

[Click here to visit IIS GIS web page](#)

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