ENTERPRISE VISUALIZATION AND ANALYTICS

WESTON SOLUTIONS

We push the bounds of innovation and collaboration so you get results when and how you need them. Turning complexity into clarity.

MAKE INFORMED DECISIONS IN REAL-TIME

No matter how complex an information management process may seem, it can be distilled down to the way information is structured, processed, and communicated. Weston's Enterprise Visualization and Analytics (EVA) professionals, including geospatial specialists, developers, and data scientists are masters of these foundational principles who are frequently deployed to the field to gain firsthand knowledge of the data quality objectives.

Our value does not stop with data capture and analysis. Effective sharing of real-time project information is a critical step in decision-making and community involvement. Weston develops flexible, customized data portals such as web-based geospatial viewers, public-facing websites, and document collaboration portals. We bring science and technology together to solve your most complex issues.

We remove barriers to understanding, increase clarity, and drive critical decisions. Our ability to scale solutions to accommodate the size and complexity of this work enables us to customize, enhance, and accelerate delivery of the high-quality environmental solutions the Weston brand is built upon.

**PLAN** · **COLLECT** · **MANAGE** · **VISUALIZE** · **ANALYZE** · **SHARE**
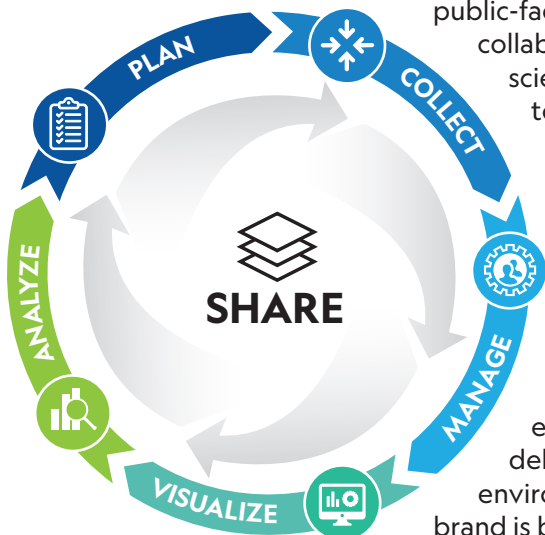
TECHNICAL CAPABILITIES AND EXPERTISE

- Enterprise Geospatial Solutions
- Predictive and Descriptive Analytics
- Data Visualization
- GIS Data Management, Analysis, and Mapping
- Field Mobile Data Collection
- Enterprise Information Management Architecture
- Time Critical Data Management
- 3D Conceptual Modeling and Visualization
- Web Development and Customization
- Unmanned and Remote Data Analysis and Visualization
- Geospatial Modeling
- Remote Sensing and Photogrammetry

Learn More

Trust. Performance. People.

WestonSolutions.com
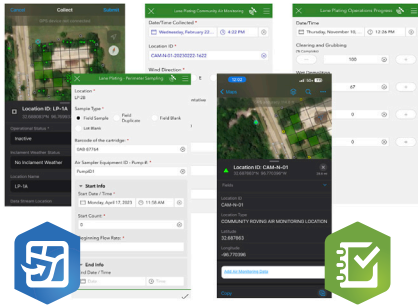
Geospatial Approach for Complex Remedial Investigations. Weston established a state-of-the-industry geospatial approach to expedite a complex PFAS Remedial Investigation at a Joint Military Installation with active operations. Weston centralized and spatially enabled historical and current site data through a secure web-based geospatial viewer to provide the teams both on-site and in the office accurate and timely information for both planning and operational execution. The field team used a map-based mobile application to assist with situational awareness and field data collection. Office personnel were able to access the data that the field team had input, which facilitated project planning discussions. Project stakeholders, including our client and tenants of the Joint Base, benefited from the near-instant project status and conditions that allowed them to make quick decisions and address issues before they became problems, keeping the project on schedule.
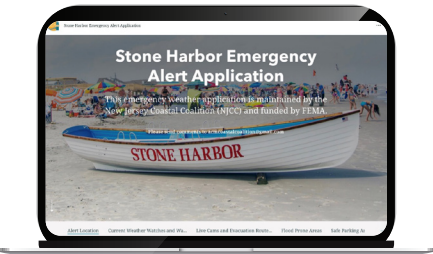
Emergency Weather Application. Weston worked with the New Jersey Coastal Coalition to develop a mobile phone application that provides individual residents with information during flooding events. The application sends a text message to the public regarding storm warnings; identifies forecasted safe areas for parking vehicles; provides a forecast map of possible flooded areas; and shows recommended evacuation routes. Weston leveraged Esri's StoryMaps^{SM} and Survey123 technologies to stream data from FEMA and NOAA to inform the public through the application. Project earned the Project Merit: Climate Change Adaptation & Resilience award in the Climate Change Business Journal.
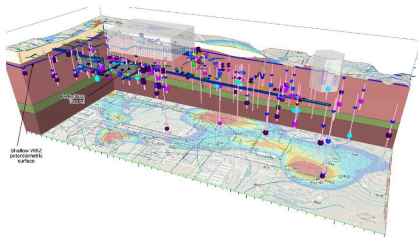
Interactive 3D Conceptual Site Model. Weston created a web-based, interactive 3D conceptual site model (CSM) to support a Supplemental Remedial Investigation (SRI) at a federal agency's aircraft maintenance and repair facility. By consolidating and standardizing more than 30 years of analytical and geospatial information, Weston created an enhanced GIS-based CSM visualization of site conditions in near real-time to support data gap analysis of 50+ chemicals of potential concern in multiple matrices. Having a dynamic, GIS-based CSM eliminates the laborious process of updating a hard-copy document and allows stakeholders spend their valuable time performing real-time analysis of the CSM and driving the site to closure.
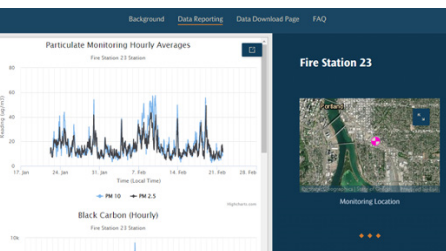
Bullseye Glass Ambient Air Monitoring, Class Action Lawsuit. In support of a settlement agreement to a class-action lawsuit, Weston constructed a physical, multi-location air monitoring network in a Portland, OR neighborhood around an active glass manufacturing facility. Weston telemetered data from the monitors, captured and validated the data, and developed an interactive dashboard displaying the data so that the local Portland community was able to stay informed of air quality conditions in near real-time. By providing the web-based dashboard, Weston delivered transparent, reliable data that allowed the neighborhood residents to see the data in near real-time.

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