



Information Technology and Geospatial Data Management

Every organization has the challenge of organizing, storing, sharing and visualizing their data. Both government and private organizations find that effectively collating and analyzing data that has been collected over time can be resource intensive.

Data integration and visualization is a more efficient approach to utilizing historical and current information than traditional methods. Information technology tools allow you to manipulate data into visual, easy to comprehend, formats thereby simplifying reports. By effectively integrating your data, trends can be analyzed allowing you to focus resources and respond to questions. When these tools are used during the decision-making process you can streamline remedial processes, identify site locations, expedite permit approvals, and gain regulatory agency concurrence faster. Let the data help you make the decision.

Information technology and geospatial data management puts your data to work, by organizing, storing, sharing, and creating visual models of your information. The environmental professionals at BB&E can provide assistance to your organization by:

- Developing and managing databases on a wide range of software platforms;
- Creating custom data entry forms and reports;
- Developing internet-based user applications for data, file, and map sharing;
- Conducting space allocation analysis of existing resources;
- Creating standardized compliance plans that can be updated by on-site personnel;
- Conducting suitability analysis for site selection considering zoning, existing landcover, and pollution controls;
- Designing geospatial interfaces to view site locations, and areas of concern with aerial imagery;
- Organizing and store soil and groundwater analytical data;
- Displaying analytical data spatially and temporally to reveal trends; and
- Producing 3-Dimensional lithology models.

These information technology solutions can be customized to meet your specific needs. Your company can avoid difficult licensing issues, expensive training fees, and lower costs by incurring only development fees. Customized applications allow you to define the resources you need, which can eliminate unwanted options and menus compared to off-the-shelf software packages.

BB&E lets you communicate your needs directly to the in-house information technology professionals and helps you to optimize your dollars spent. If your organization is concerned with such issues as property management, cultural resources assessments, environmental compliance, groundwater and soil remediation, space allocation, public safety, and/or natural resource information, BB&E can develop a customized information technology and/or geospatial data management tool for your needs.