

Geographical Information Systems (GIS)

The spatial nature of natural resource projects often requires specialized geographic data management. Anderson Consulting Engineers, Inc. (ACE) offers a full range of a Geographic Information System (GIS) services to help you collect, manage, analyze, and display that spatial data. ACE utilizes Environmental Systems Research Institute, Inc. (ESRI) products such as ARC/INFO and ArcView to build and maintain GIS products.

Data Collection

ACE can help you collect spatial data by utilizing Global Positioning System (GPS) technology, digitizing existing data sources, or by translating information from other data formats such as AutoCAD.

Data Management

Database design and development are critical components of any GIS project. Our experience will ensure that your projects' spatial data component is well organized and robust right from the start.

Data Analysis

The amount of spatial data can increase quickly depending on the size of your project. But whether you need to analyze large geographic data sets or small ones, a GIS can be a great tool to show spatial relationships and clarify complex geographic conditions.

Data Display

By linking tabular and spatial data it becomes possible to visualize otherwise abstract data. Conveying a message with a picture can be much more powerful than presenting the same data in tabular form.

All of the above tasks can be automated with the help of Avenue or ARC Macro Language (AML) programming to provide you with powerful desktop GIS solutions. A customized Desktop GIS is easy to use and will put your geographical data right at your fingertips.

