Abstract

Evaluating Soil Conditions for Site Redevelopment Using GIS

Track: System Implementation for GIS

Author(s): Mark Tinianow, Paul Murphy

This paper describes how GIS became the cornerstone for both data management and data presentation for a Naval Air Station redevelopment project. A database was created that combined data collected during construction of the base with data from previous environmental explorations and new explorations conducted for site redevelopment. The GIS, which incorporated customization and data from other software applications, was used in early stages of project planning to develop various maps depicting subsurface conditions. The GIS approach provided substantial time savings over more traditional methods used in the past and helped to champion the use of GIS within our organization.

Mark Tinianow
GZA GeoEnvironmental, Inc.
One Edgewater Drive
Norwood, MA 02062
USA
Phone: 781-278-3832
Fax: 781-278-5701
E-mail: mtinianow@gza.com

Paul Murphy
GZA GeoEnvironmental, Inc.
One Edgewater Drive
Norwood 02062
USA
Phone: 781-278-5806
Fax: 781-278-5701
E-mail: pmurphy@gza.com