

GEOENVIRON



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GeoEnviron Site Survey Manager

Site Investigations and Data Management

Management of geo-environmental data is a vital part of the work of any contaminated land professionals work. Once collected, geo-environmental data is used for a variety of purposes, including performing risk assessments and deciding the extent to which a site should be remediated.

The way the data is managed is crucial in determining the outcome of the decision-making process. When the project is completed this valuable data needs to be archived safely so that it can easily be retrieved in case enquiries regard the project are received in the future.

What is the GeoEnviron Site Survey Manager?

- ▶ The GeoEnviron Site Survey Manager has been designed to address the data management needs of geo-environmental professionals working within local authorities, consultancies and utility companies.
- ▶ GeoEnviron offers a single centralized data store for all your geo-environmental data allowing you to easily, quickly and efficiently retrieve the specific data relevant for your needs any time, anywhere.
- ▶ Besides effective data management, GeoEnviron also facilitates efficient interpretation and decision making as the data is collected and analyzed. This allows mapping and modeling of contaminants and maturation of the conceptual site model. GeoEnviron enables you to fully incorporate all your data into your site characterization activities so you can better hone cleanup or other decisions.

Key Benefits of using the Site Survey Manager

- ▶ Spatial and temporal data are easily managed by the database.
- ▶ The database is directly linked to a GIS allowing clearer information visualization and interpretation.
- ▶ The use of the GIS allows you to rapidly highlight the areas of concern on a site..
- ▶ Improved efficiency due to shorter timescales for data analysis and reporting and the consequent savings in resources.
- ▶ Allows for electronic data transfer between labs, consultants and regulators which results in significant time savings and minimizes the human error introduced by data manipulation.

Overview of the Site Survey Manager

The Site Survey Manager is sub-divided into three sub-modules, known as Survey, Boreholes and Samples. The Survey sub-module provides an overview of all the surveys that have been undertaken. With a few mouse clicks, you are able produce a listing of all the boreholes, samples and analyses related to a particular site survey.

- ▶ The Borehole module stores information such as the borehole location, measured elevations and depths, geology and sample details. A built-in profile generator allows you to easily create professional borehole logs.

- ▶ The Sample sub-module stores information on samples taken during the survey. Data that can be stored includes sample dates, types, location, analytical lab details, sampling methodology and sample analysis results.
- ▶ Other meta-data that can be managed within the system include digital site reports, photos and project action and progress notes.
- ▶ The systems powerful querying facilities allow you to quickly and efficiently retrieve the data you are interested in. In addition, powerful Import/Export facilities mean that it is a painless process getting data into and out of the system. For example, soil analysis data can easily be retrieved and exported to Micro-soft Excel for conducting statistical tests such as the mean value tests for contaminated soils or for charting.

- ▶ The Site Survey Manager is fully integrated with standard GIS software's including MapInfo, ArcView, Cadcorp and Microstation. The integrations provide a seamless two-way interactivity between the GIS and the database allowing you to query the map from the database and vice versa. To view analysis data on a soil sample displayed on the map, simply double click on the sample feature and the relevant data will be displayed in the database. Similarly whenever survey, borehole or sample records are retrieved in the database, they are automatically selected and centered in the GIS, allowing you to quickly visualize their location.

System Requirements

- ▶ GeoEnviron requires a minimum of Windows 98 as an operating system. For a single user system, a minimum of a Pentium PC with at least 64MB RAM and 30 MB free disc space is recommended. Operating systems such as NT or 2000, UNIX, and Novell Netware are recommended when running GeoEnviron in a multi-user client/server environment.

Training and On-going Support and Maintenance

- ▶ We provide top quality training and support services to make sure you get the most out of the system. Training can be arranged to take place on site or at our premises in Copenhagen. There is also a lively User Group and on-line discussion forum.
- ▶ We recognize that environmental health professionals work in an industry where change occurs frequently and consequently we try to design our systems such that they are able to rapidly adapt to these changes. To this end we are continuously developing our systems to ensure that they remain in line with the latest legislative and technological developments.