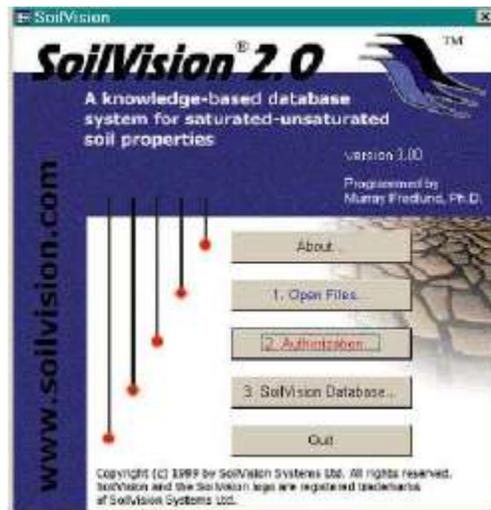


Soil Vision

Description:

Our most popular package, SoilVision Professional provides extreme database functionality with the benefit of laboratory data on over 6000 soils. The database is designed to provide a central data warehouse for soils data and allow data to be presented in multiple formats including borehole logs, GIS, finite element models, and (ASTM) laboratory test reports. SoilVision automates the entire process from the laboratory to the final reports.

The knowledge-based component can provide input for analysis of unsaturated soils. SoilVision provides over 20 journal published algorithms for the estimation of soil properties required for unsaturated seepage modeling. A soils database including laboratory data on over 6000 soils is also included. SoilVision can assist the modeler in estimating suitable input for the modeling of unsaturated soil processes independent of extensive laboratory testing programs.



Key Features:

- Database of over 6000 soils included
- Over 20 journal published estimation methods - estimate soil properties for seepage modeling!
- Sophisticated windows interface
- Mathematical fitting of soil functions
- Single-User
- Professional reporting Manage borehole, well, and project information
- Theoretical estimation of soil properties
- Pre-existing laboratory database of over 6000 soils
- Geostatistics module allows quick statistical analysis of your laboratory data
- Soils data is centralized on a server
- Only commercial database application in the world capable of managing unsaturated soils information
- Management of geoenvironmental data
- Automatic soil texture classification by the USDA or USCS (ASTM) methods
- Mathematical fits of soil property functions allows soils in certain "bands" to be selected
- Levels of software implementation allow the software solution to grow as your company grows
- Globally standardized soils database format which is the same in Access, SQL Server, and Oracle
- Free form Search Wizard
- Mathematical model provides input for finite element and finite difference models

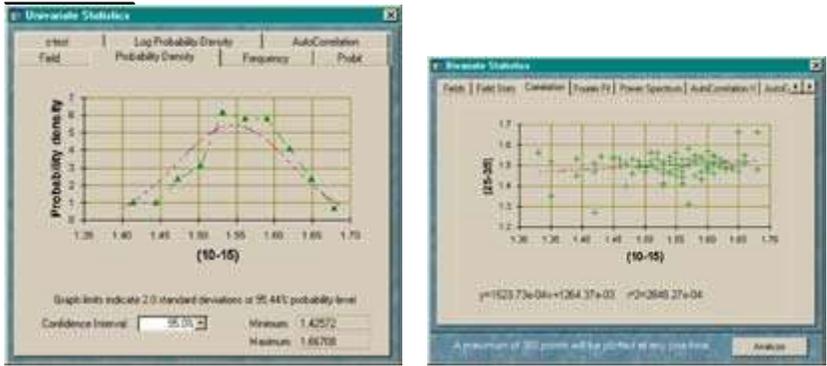
A capable query interface is critical to unlocking the power of your data. SoilVision provides the most flexible, free-form query wizard currently available in a soils database system. The query wizard can be used to create complex queries across multiple tables. Select all Silty Loam soils with a porosity between 0.30 and 0.42. You will never lose track of subsets of data since queries are stored for later use within SoilVision.



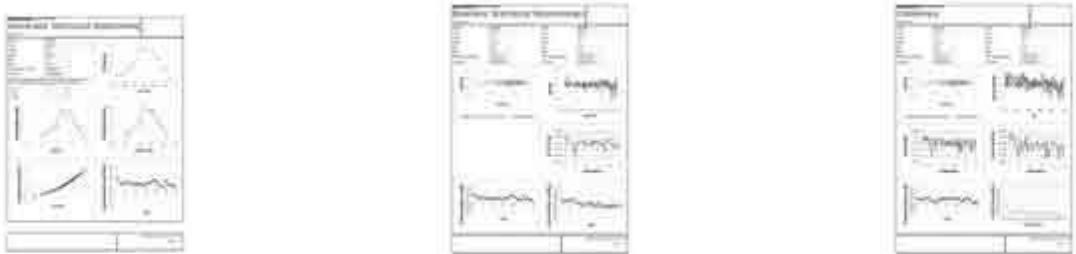
Unlock the full value of your data. Search for hidden correlations between soil parameters. Calculate confidence limits on your normally distributed or logarithmically distributed soil parameters. Interested in the variation of the saturated permeability of Silty Loams? Now you can know.

SoilVision provides you with all the geostatistical methods necessary for the univariate or bivariate analysis of any soil parameter. The mean, standard deviation, or the variance of any soil parameter may be calculated. For univariate analysis, the user can analyze whether a parameter is normally distributed with the Probit plot or analyze confidence limits with the z-test. Statistical calculations can be developed based on a linear or lognormal scale. The user may also check the similarity of data with the autocorrelation function. Bivariate and coherency analysis allow the user to analyze the relationship between two variables. Users may plot a correlation, perform a spectral analysis, or evaluate a cross-correlation.

Plotting/Graphing:



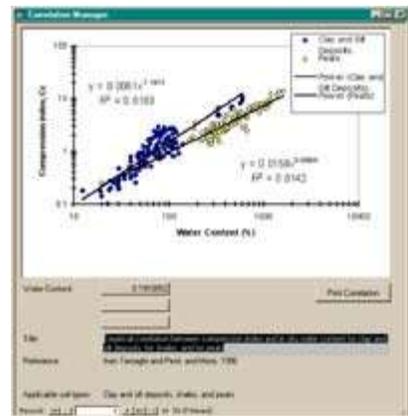
Reporting:



Unsure of your soils compression index? Interested in the shrinkage limit of your soil? Search our database of correlations gathered from industry verified research. Over 50 graphs and tables are provided, complete with references, for your convenience.

SoilVision is written in Microsoft Access™ and is designed to run within Windows 95/98/NT/2000. Optimum performance of the software requires sufficient RAM and fast hard drive access times due to the memory intensive nature of databases. The following hardware platform is suggested.

- Pentium 333
- 128 MB RAM
- 60 MB Hard Disk Storage
- CD ROM Drive



SoilVision® Interfaces

Moving data into and out of SoilVision was considered of great importance in our development efforts. Import data from previous versions of SoilVision or from any table format with the click of a button. Export personal data to other software packages such as Excel or Surfer on a user-defined format using our table builder query wizard. The open database architecture allows complete flexibility in extracting data on any format from SoilVision.

SoilVision provides the ability to transfer your data between applications in a simple, straightforward manner. SoilVision adheres to Windows standards of cutting and pasting data exchange to allow exchange between Windows compatible software. Soil property functions from within SoilVision may be output in point or equation form and therefore may be cut and pasted into many modeling programs. Whether its transferring data to a seepage model, or a borehole logging program, SoilVision provides data filters to make the task simple.

Modeling:	SoilVision is the world's only knowledge-based database system which will provide the specific information you need to perform complex geoenvironmental or geotechnical modeling. If you don't have the data, SoilVision can estimate complex unsaturated or saturated soil properties for you. The following list is a partial list of the modeling software packages for which SoilVision provides input soil properties: SEEP/W, FEFLOW, FEMWater, Visual Modflow, GMS, SoilCover, CRISP, Plaxis, SIGMA/W, SLOPE/W, CTRAN/W
Graphics:	Excel, Surfer
GIS:	ArcView GIS, Sylvan Maps
Report Writers:	Crystal Reports, Word, CrossTab
Borehole Logs:	WinLog, QuickLog, QuickCross/Fence
Customized:	Want a customized link to your existing software? Contact us for pricing.