

TerraBase Training Course Outline

Day 1 Section 1: TerraBase V2.71 Data Users Training

TerraBase Overview

What Is TerraBase?
TerraBase Components
TerraBase Databases
TerraBase Editions: Workstation
TerraBase Editions: Workgroup and Enterprise
TerraBase Editions: Web-Enabled

The TerraBase Explorer

Starting TerraBase
Selecting a Database
Opening the Explorer
Using the Explorer
Accessing TerraBase Help

Performing Analytical Queries

Analytical Reporting Screen
Frequency Analysis
Chemicals of Concern
Time Trend Analysis
Query Database
Query Output Formats
Analytical Query Reports
Advanced Query Tab (Enterprise Query)

Using the TerraBase Enterprise Query

Getting Started in Enterprise Query
Connecting to Databases
Selecting Query Parameters
Exporting Your Query Results
Saving Your Query Statements

Performing Geotechnical Queries

Geotechnical Querying Screen
Query Export Formats
Well Construction Queries
Groundwater Level Queries
Lithology Queries

Generating Reports

Company Report
Site Report
Project Report
SDG Reports
Sample Reports
Sample Location Report
Well Construction Report
Groundwater Report
Lithology Report

Exporting Your Data

The Export Process
Level 2 Format
TerraBase Delimited File Format
SDG Level Exports
Geotechnical Export Formats

TerraBase Training Course Outline

Day 1 Section 2: TerraBase ArcView Extension V2.71 Training

Getting Started

- Starting the Extension
- Selecting a Database
- Using the DrillDown
- Performing DrillDown Queries
- Using the Site Map

Querying TerraBase

- Querying Analytical Data
- Data Quality Levels, Units, and Summary Options
- Query Output Options
- Performing Fraction Analysis
- Querying Geotechnical Data
- Querying Data with the Timeline
- Viewing Related Query Information
- Displaying Analytical Data at a Location
- Displaying Geotechnical Data at a Location
- Creating Spider Diagrams

Generating Reports

- Creating Boring Logs and Cross Section Diagrams
- Creating Hydrographs
- Creating Soil Profiles: Getting Started
- Creating Soil Profiles: Using Soil Boxes
- Creating Soil Profiles: Using Soil Layers

Generating Reports (Con't)

- Editing Soil Zips
- Creating Map Layouts
- Creating Charts
- Viewing Linked Documents

Using the TerraBase 3DExtension

- Generating Groundwater Contours
- Contouring Methods: IDW and Spline
- Contouring Methods: Kriging and Trend
- Contours and Flow Lines
- Generating Analyte Contours
- Plotting Query Results in 3D
- Animating a 3D Scene

Managing Site GIS Data

- Using the Site Wizard
- Building a Theme List
- Adding Sample Locations
- Matching Locations to Analytical Data
- Upgrading GIS Data

Maintaining the Extension

- Editing the Timeline
- Editing the Linked Document List
- Changing User Options
- Cleaning Up the Extension

TerraBase Training Course Outline

Day 2 Section 1: TerraBase V2.71 Data Managers Training

TerraBase Data Management

Overview

- Planning Your Database
- Creating a New Database
- Building the Hierarchy
- Populating the Database
- Linking Data to ArcView

Entering Administrative Data

- Data Entry Overview
- Using the Data Entry Forms
- Company Data Entry
- Site Data Entry
- Project Data Entry

Entering Analytical Data

- Chemical Data Entry
- Using the Chemical Admin Tools
- Target Compound Lists
- SDG and Fraction Data Entry
- Lab Sample Data Entry
- Lab Result Data Entry
- Lab Sample Lookup Lists

Entering Geotechnical Data

- Sample Point Data Entry
- Well Construction Data Entry
- Groundwater Level Data Entry

- Lithology Data Entry
- Geotechnical Lookup Lists

CheckMate Overview

- What is CheckMate?
- Locating Databases
- Managing Lookups
- Data Compression
- Checking A Data File
- Fixing File Structure Errors
- Fixing Format/Logic Consistency Errors
- Creating Reports

Importing Analytical Data

- The Process: Lab to TerraBase
- Importing Level 2 Format
- Correcting Data Problems
- Saving Data to the Database
- Georeferencing Your Data
- Copying Across Data Quality Levels
- Importing TerraBase Delimited File Format

Importing Geotechnical Data

- The Process: From Field to TerraBase
- Importing Field Data Format
- Reconciling Data Conflicts



On Site TerraBase Training Class Requirements

Hardware:

PC* for each student
Projector (for instructor pc)
Projection screen or wall

Software:

TerraBase V 2.7x
CheckMate V 1.4 or later
ArcView V 3.2a
ArcView 3D Analyst V 1.0
Enterprise Query V 1.36 or later
MS Office Professional (97 or later)
Internet Explorer V 5 or later
Default print drivers for each PC (do not need to be connected to printer)
Internet Connection (Recommended)
Training files and manuals

Other:

List of student names (to appear on training certificates)
Training manuals (3 for each student)

*** Training PC System Requirements**

This is the minimum hardware requirement for TerraBase Workstation to function in your environment. Integrate recommends more powerful systems for optimum performance.

PC with a Pentium 133 recommended
Microsoft Windows 98, NT4, 2000 or XP operating system
32 MB RAM
200 MB of available hard-disk space
CD-ROM drive
Super VGA monitor; 1MB of VRAM