

**gINT TRAINING SUMMIT**  
**Day 1**  
**Fundamentals of gINT -- Course Outline**

**Introductions**

**8:30 - 9:00: Overview of gINT**

- A Database Manager for Subsurface Exploration
- Separation of Data from Reports
- The Data Template -- Key to Data Standardization
- Computation and Decision Logic in Reports
- Some gINT Report Samples
- Report Design and Drawing Tools
- Additional Overview Topics
  - Grid Data Entry    ➤ Graphical Data Entry    ➤ Data Import and Export
  - Exporting Reports to Graphic Files    ➤ Symbols and Symbol Design    ➤ Online Resources

**9:00 - 10:00: Understanding the gINT Work Environment**

- The gINT Main Menu
- Projects, Data Templates and Libraries
- Changing Libraries
- System Properties Window
- The SETUP.GSH File
- gINT Application Groups:
  - INPUT            ➤ OUTPUT            ➤ DATA DESIGN            ➤ REPORT DESIGN
  - SYMBOL DESIGN    ➤ DRAWINGS    ➤ UTILITIES

**10:00 - 10:15: Break**

**10:15 - 12:00: Data Entry and Basic Output**

- What we will Create
- Creating a New Project Database
- Grid Input of Field Data
- The OUTPUT Tab
- Formatting Table Grids in INPUT
- Modifying Field Properties
- Using Lookup Lists and Library Tables

**12:00 - 1:00: Lunch**

**1:00 - 1:45: Data Entry and Basic Output (continued)**

- Importing and Exporting Data
- Viewing a Fence Report
- Graphical Data Input

- Grid Input Tricks and Tips

### **1:45 - 2:15: The UTILITIES Tab**

- Extract from Zip
- Library Merge/Copy
- Print Object Lists

### **2:15 - 3:15: Advanced Output**

- Exporting to PDF
- Exporting to DXF
- Exporting to Bitmap Graphics (JPG and BMP)
- Filtering
- Scripts

### **3:15 - 3:30: Break**

### **3:30 - 4:00: Site Maps**

- Importing a Site Map
- Using a Site Map to Navigate to Borehole Records
- Customizing the PointID Markers
- Assigning Coordinates to Unplaced Boreholes using the Site Map
- Positioning New Boreholes on the Site Map
- Using the Site Map to Select Boreholes at Output Time
- Creating and Selecting Zones
- Printing a Site Map Report
- Site Map Entities in Logs and Fences

### **4:00 - 4:30: Fence Output Options**

- 3-D Output of Fence Reports
- Depth and Elevation Scales
- Specifying a Custom Baseline
- Using Min, Max and Scale

**gINT TRAINING SUMMIT**  
**Day 2**  
**Developing Your gINT Environment - Course Outline**

**8:30 - 9:45: Data Design**

- Relational Databases and gINT
- Creating and Customizing a Database
- Generating a Project and Importing the Data
- Defensive Design
- Library Tables
- Reading Lists
- Correspondence Files
- User System Data

**9:45 - 10:00: Break**

**10:00 - 10:45: Report Design Overview**

- Report Properties
- Using glDraw
- The Data Tool

**10:45 - 12:00: Building a Log Report Form**

- Specifying Report Properties
- Header Text Entities
- Depth Column
- Sample Type Column
- Sample Num Column
- Material Graphic Column

**12:00 - 1:00: Lunch**

**1:00 - 1:45: Building a Log Report Form (continued)**

- Material Description Column
- Elevation Column
- Water Depth Symbols
- Adding a Tracking Code Block
- Blocks

### **1:45 - 2:15: Adding a Column to an Existing Log Report**

- Creating a Duplicate of the Report Form
- Making Space for a New Column
- Adjusting Header Text for a Wider Report
- Creating the Moisture Content Column

### **2:15 - 3:00: Building a Fence Report**

- Understanding Fences
- Specifying Report Properties
- Adding a Graphic Column Entity
- Previewing the Report Output

### **3:00 - 3:15: Break**

### **3:15 - 3:45: Building a Fence Report (continued)**

- Adding Grid Lines
- Adding a Borehole Number to Each Fencepost
- Offsetting the Fenceposts from the Axes
- Inserting a Frame and Title Block
- Creating Water Depth Symbols
- Adding Two Report Headings (one of them user input)
- Adding Axis Labels
- Setting the Print Order and Background Fill

### **3:45 - 4:00: Overview of Designing Other Report Types**

- Graphs
- Histograms
- Graphic Tables
- Text Tables
- Graphic Text Docs
- Text Documents

### **4:00 - 4:30: Site Maps**

- Importing a Site Map
- Using a Site Map as a Project GIS
- Customizing the PointID Markers
- Laying Out a Drilling Program with a Site Map
- Assigning Coordinates to Unplaced Boreholes using the Site Map
- Using Site Maps to Select Boreholes at Output Time
- Including Site Maps in Reports

**gINT TRAINING SUMMIT**  
**Day 3**  
**Supercharging gINT - Course Outline**

**8:30 - 9:30: Modeling Your gINT Data**

- Contouring Data Using Surfer and gINT
- gINT and Rockworks
- Surface Grids and Fence Report Baselines
- Fence Cross-Sections
- 9:00 - 9:30: Surface Exercises
  - Enable Surfaces Support and Export Surface Data
  - Import Surface Data
  - Draw a Cross-Section on Fence Reports
  - Optional: Complete Fence Report Cross-Sections
  - Optional: Add/Change Baseline in Fence Report

**9:30 - 10:00 Smart Report Forms**

- Building Smart Report Forms
- Conditional Output
- Visibility Rules
- Depth Log Page

**10:00 - 10:15 Break**

**10:15 - 11:00 Smart Report Forms (continued)**

- 10:15 - 11:00: Smart Report Forms Exercises
  - Conditional Visibility of Report Elements
  - Conditional Font Changes to Data
  - Conditional Placement of Log Columns
  - Variable Depth Scales on Logs
  - Optional: Variable Graphic Legends

**11:00 - 12:00 Component Lithology Descriptions**

- Setting Up the Component Model in the Database
- Configuring the Output Format of Component Descriptions
- 11:30 - 12:00: Component Model Exercises
  - Merge Tables from Project with Component Description Tables
  - Convert Non-Component Descriptions
  - Advanced: Add Formatting Elements
  - Advanced: Customize Component Lithology Tables and Lookups

## **12:00 - 1:00 Lunch**

## **1:00 - 1:30 Variable Graphic Legends on Reports**

- Log Report Legend
- Fence Report Legend
- Graphic Text Doc Legends
- Symbol Legend Positions

## **1:30 - 2:45 gINT Rules**

- Creating a gINT Rule
- Invoking a gINT Rule from the Add-Ins Menu
- Accessing gINT Properties from a Rule
- How the Tab Visibility Rule Changes Tab Visibility for Different Users
- Acquiring gINT Rules from the Web Site
- 2:00 - 2:45: gINT Rule Exercises
  - Acquire and Use gINT Rules from the Web site
  - Advanced: Improve the Tab Visibility Rule

## **2:45 - 3:00 Break**

## **3:00 - 4:15 Test Pit Log -- Using Photo Fields and Multiple-Page Setup**

- Photo Fields
- Multi-Page Log Design
- Creating and Configuring Blocks
- 3:30 - 4:15: Exercises
  - Merge Borehole Photos Table
  - Import Borehole Photos Data
  - Create the Test Pit Report

## **4:15 - 4:30 Securing the gINT Library**