



GPS Data Collection & Processing

An InfoGeographics Training Program Course



Overview

GPS Data Collection & Processing is a hands-on, 2-day training course that provides a strong foundation in the theory and application of GPS technology for professional data collection. Unlike recreational GPS, professional GPS must integrate into existing data maintenance procedures and workflows. In addition to finding locations, professional GPS is used to collect data about field locations and assets. This data is often used to populate specific records and fields within the organization's enterprise database.

Properly configured units can be distributed for data collection with minimal training of field staff. Many common database settings and configuration options carry through to the GPS units, automatically generating pull down menus and pick lists when appropriate, minimizing the need to manually enter text in the field. Using Trimble and ESRI technology, this course will provide a complete GPS solution for professional data collection.

The training will involve both indoor training and outdoor field data collection, using weatherproof GPS units. Participants should expect to be hiking outside in rugged terrain regardless of weather conditions. Raingear, boots, and parkas are NOT provided!

Topics Covered

- GPS Overview
- GeoCollector – ArcPad, GPScorrect, and Trimble GPS
- Safety in the field – protecting yourself and your equipment
- Common GPS workflows
- Planning a field collection
- Using QuickProjects to get started fast
- Collecting in poor coverage areas
- Collection Tips and Tricks
- Getting the Data Out
- Post-processing for higher accuracy

