

Field GPS Workshop Outline

Maribeth Price—Instructor

Day 1. ArcPad

Lesson 1. GIS basics

Shapefiles and feature classes
Coordinate systems
Planning your GPS data fields
Creating shapefile data sets

Exercise: Creating shapefiles for data collection

Lesson 2. Intro to ArcPad

Using ArcPad on a computer
Tour of menus and buttons
ArcPad map documents
Editing data with ArcPad

Exercise: Editing in ArcPad on the computer

Lesson 3. Collecting shapefiles

Connecting GPS to computer
Copying data to the GPS
Setting GPS options
Collecting data

Exercise: Collect shapefile data with the GPS

Lesson 4. Geodatabases and domains

Geodatabases and feature classes
Creating GDB's and feature classes
Setting up domains

Exercise: Create geodatabase feature classes and domains

Lesson 5. Working with AXF files

Getting data for ArcPad
Collecting data
Checking data back in
Good data management practices

Exercise: Collect geodatabase data with a GPS

Day 2. Mobile data collection

Lesson 6. Intro to ArcGIS Online

ArcGIS Online
Feature services
Web maps

Exercise: Create and share a web map

Lesson 7. Prepare for mobile collection

Publishing a feature service
Creating a web map for editing
Collector and ArcGIS

Demo: Create and host data for mobile collection

Lesson 8. Collecting mobile data

Using the mobile apps
Implementing photos

Exercise: Collect data on your mobile

Lesson 9. Using hosted data

Downloading feature services

Exercise: Create and host data for mobile collection