

Fundamentals of QGIS and Avenza Maps

Friday, May 18, 2018

9am-4pm

Course Outline:

Welcome and introductions

Introduction to QGIS

- Project background

- Download and install QGIS v2.18.14

Importing Data into QGIS

- Add GIS data to a QGIS project

- Convert XYZ data in a spreadsheet or CSV file to GIS data.

Break

Mapping Fundamentals in QGIS

- Symbolize vector and raster layers.

- Add labels to vector features.

- Create and edit attribute fields.

- Create and edit point, line, and polygon features.

- Create georeferenced basemaps using QGIS for integration in the Avenza Maps mobile application.

Lunch

Employing Avenza Maps

- Overview of the Avenza maps application.

- Importing and sharing georeferenced maps.

- Collecting points and tracks.

- Exporting map data.

Import Avenza Maps data into QGIS

- Import GPX files.

- Create lines from tracks.

Break

Create a map layout using Print Composer.

- Creating print composer documents.

- Add map elements (i.e. map figure, title/subtitle, legend, scale bar, north arrow, text)

- Creating inset maps.

Wrap-up/Questions

Departure