**Fundamentals of QGIS and Avenza Maps**

**Friday, January 26, 2018**

**9 am-4 pm**

**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