

## Use of Avenza Maps for Project WAfLS (optional)

### What is Avenza Maps:

Avenza Maps is a free application for iPhone and Android-based phones that enable a user to load a PDF map onto their phone and locate their physical position on the map. Avenza sells for-fee maps, but Project WAfLS provides free “One-page Maps” that can be loaded into the application. The application itself can be loaded for free from your app store.

### Should you use Avenza Maps:

The power of Avenza maps for Project WAfLS is that it will show you if you are within the grid. It is particularly useful if your grid lacks landmarks, road junctions, or other attributes that would otherwise indicate your physical location. If your grid has these landmarks, it may not be worth your effort to use Avenza maps.

Avenza maps does not help you to navigate to your grid, but once you get close it will tell you when you have entered it. Avenza maps does provide you the coordinate information for your survey points, but there are simpler applications available for that purpose (listed in the protocol guide).

### How to use Avenza Maps:

1. Load the Avenza Maps application via your appropriate app store
2. Get your map
  - a. With your web browser on your phone, browse to <http://bit.ly/WAfLSMaps> (this is case sensitive...sorry)
  - b. Select you state
  - c. Select your grid map
  - d. Once you can view it, click to “share...” or “send to...” or “open with...”
  - e. Select “Original file” if asked
  - f. Choose the Avenza Map icon as the destination
  - g. The map should load into Avenza Maps. It may require a minute or two of processing
  - h. You only have to do this once. You map is now installed on your phone
3. Now, when you open Avenza Maps you should see your map listed. Select the map and you should view your map.
4. You can zoom in and out on the map.
5. In the upper left of the screen, you should see a cross-hairs symbol that is not filled in. Pressing this will center the map at your location and the symbol should appear filled in. If you do this while not “on the map” you will be told that you are not on the map.
6. When on the map, your location will be pin-pointed on the center of the screen and your coordinates will appear at the top of the screen.
7. Note: if you then move the map, the coordinates at the top will reflect what the center is pointed to and not your location. Thus, be careful to only use the coordinates at the top after you have centered the screen on your location.