

GPS to GIS with AEJEE

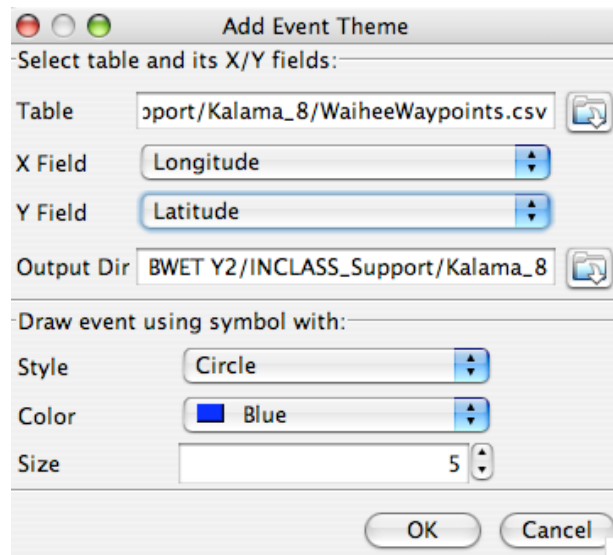
Using ESRI GIS Software: Arc Explorer Java Edition for Education (AEJEE)



1. Mark waypoints with GPS in the field. The waypoints consist of the latitude, longitude, and elevation of your location. Ideally, use a clipboard to describe each location (i.e. fire hydrant, storm drain, plant species).
2. Create a table of your data and save it as a .csv file. You can use most spreadsheet applications, such as MS Excel. Make sure your GPS units are set to decimal degrees, then manually scroll through the saved waypoints to enter the waypoints into your table. It should look something like this:

site	latitude	longitude	name
1	20.93422	-156.50418	lagoon
2	20.93333	-156.50473	roadxstream
3	20.9344	-156.50414	delta
4	20.9341	-156.50352	sandybeach

3. In AEJEE, go to View: Add Event Theme. Choose the appropriate Table by finding your newly created “.csv” file.
4. Set the X and Y Fields as follows:



5. Click OK, then you should see blue dots show up on your map AND you should see your waypoints show up as a 'Layer' on the left. Zoom in on the points on the map. You can also control click on the layer, and select “zoom to layer” .

Note: If your points do not show up in the appropriate location, check your table and make sure it has the appropriate lat/long decimal numbers (and positive or negative values!).