




GPS Data Collection Fulcrum Guide

1. Create/Access Data Entry App

- Go to the Fulcrum website (www.FulcrumApp.com) to either set-up a pre-made app for use or to create a new custom app for you data collection
- Additionally you can access previously collected data by opening an app and clicking **View Data** to see the points on a map – this can be helpful for determining where to survey next or what data to update

2. Collect Data

- Open the Fulcrum App on your mobile device (phone or tablet),
- If this is your first time using Fulcrum, choose “Smith College Spatial Analysis Lab”
- locate the app in your list (you may need to **synchronize** to refresh the list) – you need a  wifi connection to do this -- click the app to open in the map
- You can collect data without a wifi connection, but need to set up the app in wifi before going out in the field – see Fulcrum’s online instructions for more details
- You should see any previously collected data in this app
- This  will **locate your current position** – clicked twice it will identify your heading
- The plus sign  (pencil on tablets) will **create a new feature**
- If collecting data simultaneously with another person, click the **synchronize** button to view the data points they have collected
- When finished collecting data, click the **synchronize** button to sync your points with the online app (you will need to be in wifi range) so they can be accessed in the Fulcrum website

3. Access Data and Map in Computer Browser




- Return to the website (www.FulcrumApp.com) and open the app you used to collect data and select **View Data** to view the results on the map
- Click the points to view their individual attributes, here you can also edit the data

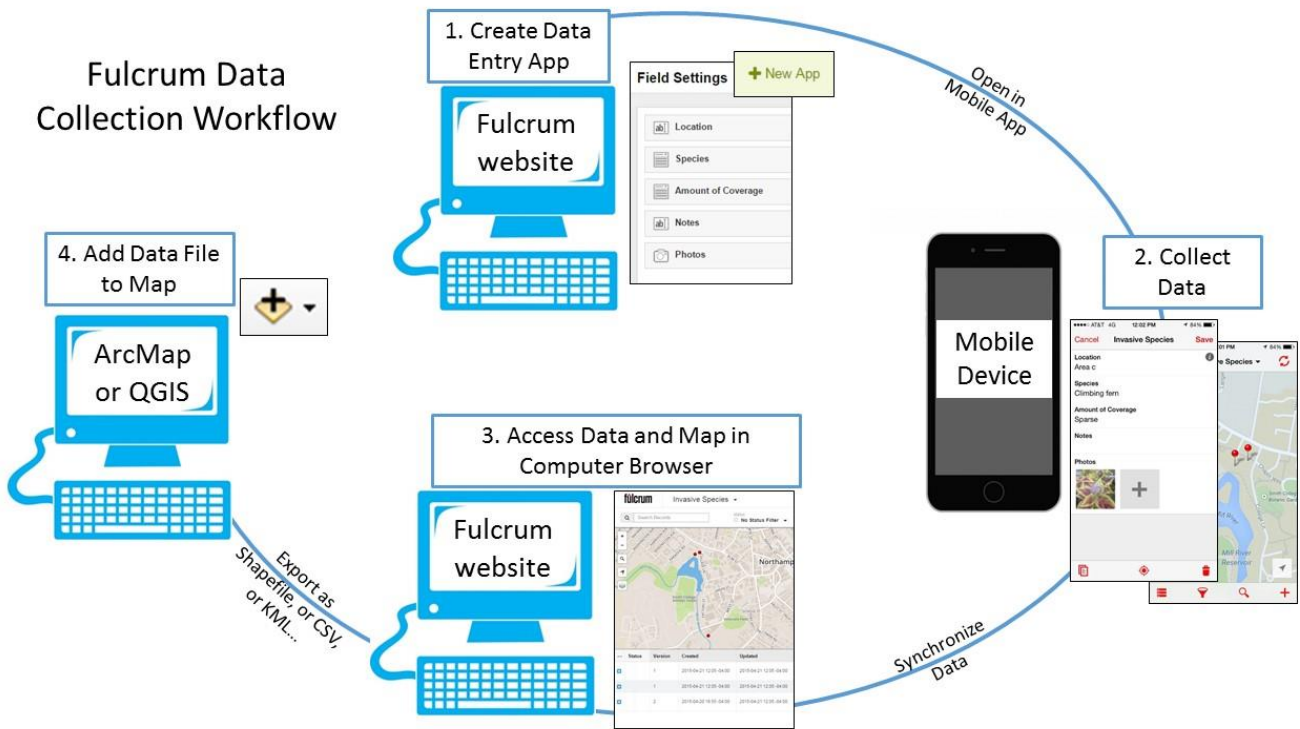
- Use these buttons to switch between viewing only the map, only the table, and half map/half table
- To export the data for use in another map program go back to the app and select **Export Data**, which provides you the following export formats:



- CSV (.csv)
 - Excel XLSX (.xlsx)
 - ESRI File Geodatabase (.gdb)
 - ESRI Shapefile (.shp)
 - Spatialite (.sqlite)
 - SQLite (.sqlite)
 - PostGIS (.sql)
 - KML (.kml)
 - GeoJSON (.geojson)
- For use in ArcMap use an Esri File Geodatabase (.gdb) or Esri Shapefile (.shp)
 - For use in Google Earth use an KML (.kml) file

4. Add Data File to Map

- For ArcMap: open ArcMap  and click **add data**  to navigate to the data file in Catalog and add to map
- For Google Earth: open Google Earth  and go to **Tools** → **GPS** then select **Import from File** and locate the KML file



For additional support visit Fulcrum’s help page (<http://fulcrumapp.com/help/>) here you can find FAQ as well as contact them directly with questions – they are very responsive!