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| **[Guide to BaSIC MAP PRODUCTION]** |
| American Red Cross International Services  http://americanredcross.github.io |

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# Introduction

The Geographic Information Systems (GIS) office at American Red Cross is deeply involved in international disaster response and disaster preparedness programs throughout the world. Accurate and quality surveys to establish baseline and monitoring data allows Red Cross chapters around the world better implement programs. GIS specialists are able to use collected data for map production and advanced analysis. It is likely that volunteers and field staff will be increasingly requested to participate in geospatial data collection. Those people responsible for the data collection should also be able to use it directly instead of having to make all requests through GIS specialists.

This guide provides a simple method for non-technical users to make their own data visualizations and maps. More information and resources can be found at [http://americanredcross.github.io](http://americanredcross.github.io/).

# Technology Used

## CaerusGeo

CaerusGeo (<http://caerusgeo.com>) drastically simplifies GIS data collection for Red Cross projects. Volunteers and staff can create GIS data with nothing more than pen and paper. Users draw important features on paper and note additional attributes on an accompanying spreadsheet; when Red Cross staff later enter data through the simple web interface, it's automatically transformed into usable digital data. The CaerusGeo website provides data visualization but importantly also facilitates data export. In this guide we will cover using data export to combine information from multiple surveys.

## geojson.io

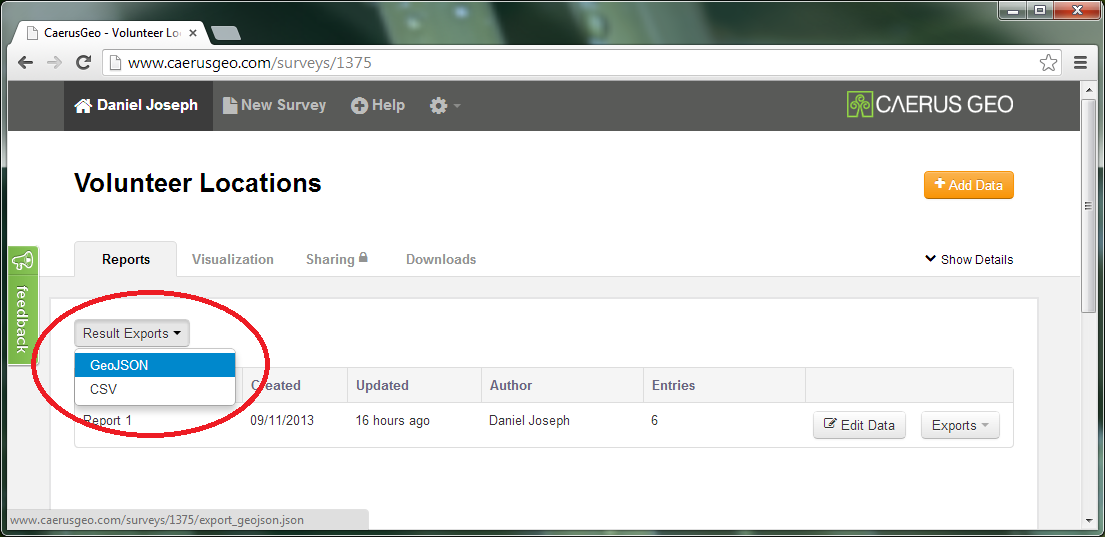
geojson.io (<http://geojson.io>) is a fast, simple, online tool to edit map data.

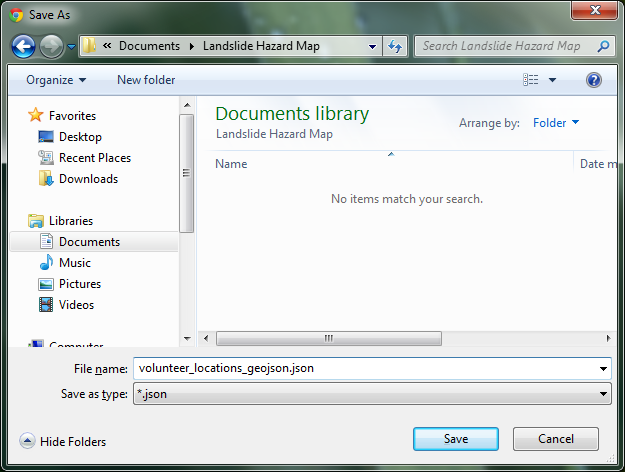
## Inkscape

Inkscape is an open source graphics editor. We will use it to create our map by adding a title, legend, custom markers, and other features. Download and install the program. Go to <http://inkscape.org/download/> and under ‘Official Release Packages’ choose the Windows installer.

# C:\Users\GIS3\Documents\GitHub\Guides\SimplestMapProduction\img\CaerusGeo_VolunteerLocations.pngData Export from CaerusGeo

This guide assumes that you have already completed survey(s) using CaerusGeo. In this survey we will use fake data for volunteer locations, emergency shelter locations, and landslide hazard zones. For each survey with data you want to include on your map: navigate to the ‘Reports’ tab, click Result Exports, choose the GeoJSON option, and save the file to your computer.





The survey name is used for the file name and should be descriptive. You can change the file name if necessary, but don’t change the file type. It is a good idea to make a new folder for a map project and to save all your data files to it.

# Adding Data to geojson.io

Open up your web browser and navigate to <http://geojson.io>

