Google Earth Pro: Batch Geocoding

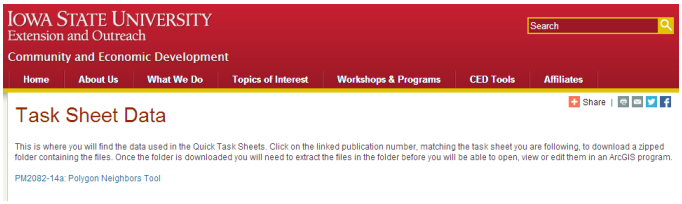
Google Earth System requirements
PC -Windows XP, Vista or 7 **Mac** -Mac OS X 10.6.0 or later

Welcome to the Essential ArcGIS Task Sheet Series. This series supplements the Iowa State University GIS Geospatial Technology Training Program short course series. The task sheets are designed to provide quick, easy instructions for performing mapping and GIS tasks.

On January 30, 2015 Google announced they were making Google Earth Pro licenses free. Pro users can now view demographic, parcel and traffic data layers, use advanced GIS data importing features, batch geocode, measure area, radius and circumference on the ground and on 3D buildings, print high-resolution screenshots, record HD video virtual flights, and more for free. This task sheet will take you through the steps of geocoding a text file containing addresses in Google Earth Pro. Google Earth Pro supports geocoding for the following countries: United States, United Kingdom, Canada, France, Italy, Germany and Spain.

1. Download the Data

a. To download the data used in this task sheet, navigate to http://www.extension.iastate.edu/communities/GIS/quicktasksheets/data in a web browser. Click on the publication number that matches this task sheet. In this case, the publication number is **PM2082-15c**.



b. Open the **Addresses.txt** file containing addresses you will geocode in this tutorial.

2. Download Google Earth Pro

a. Download Google Earth Pro from http://www.google.com/earth/download/gep/agree.html.

b. When the software download is complete, open the program and sign in using your email address and the key **GEPFREE**.

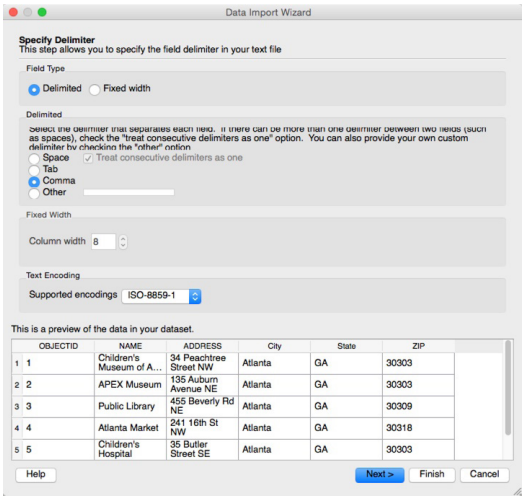
2. Import Text Document

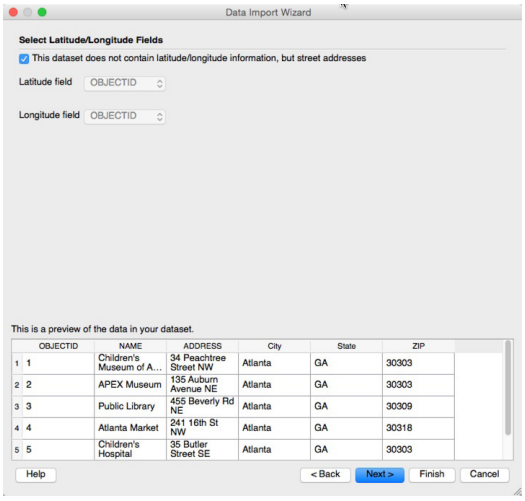
a. Click **File** > **Import** and select the **Addresses.txt** file downloaded from **step 1a**.

b. The **Data Import Wizard** window will appear. Follow the series of images and directions in this tutorial to complete the import.

c. In the **Data Import Wizard** make sure **Delimited** and **Comma** are selected. Click **Next >**. In the window that follows, make sure the check box next to **This dataset does not contain latitude/longitude information, but street addresses** is checked. Click **Next >**.

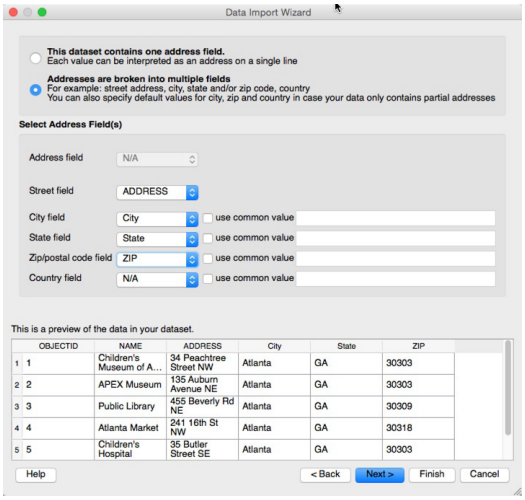
d. The radio button next to **Address are broken into multiple fields** should be selected. Click **Next >**.



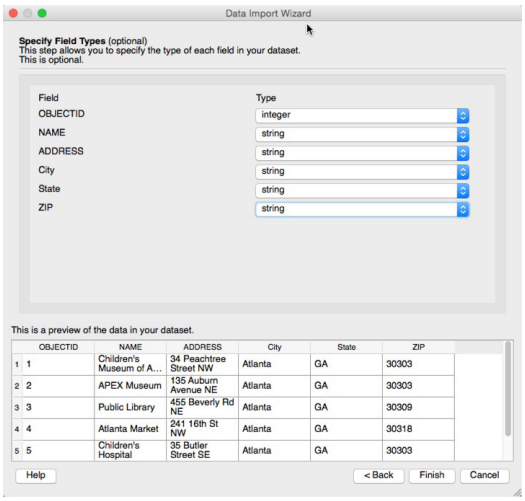


e. Now match up the address fields from the **Addresses.txt** file and Google Earth's address fields. Click **Next >** when you are finished. *Note: you could check the box next to use common value for the country field and type in United States but it works without doing this.*

- Street field: **ADDRESS**
- City field: **City**
- State field: **State**
- Zip/postal code field: **ZIP**
- Country field: **N/A**



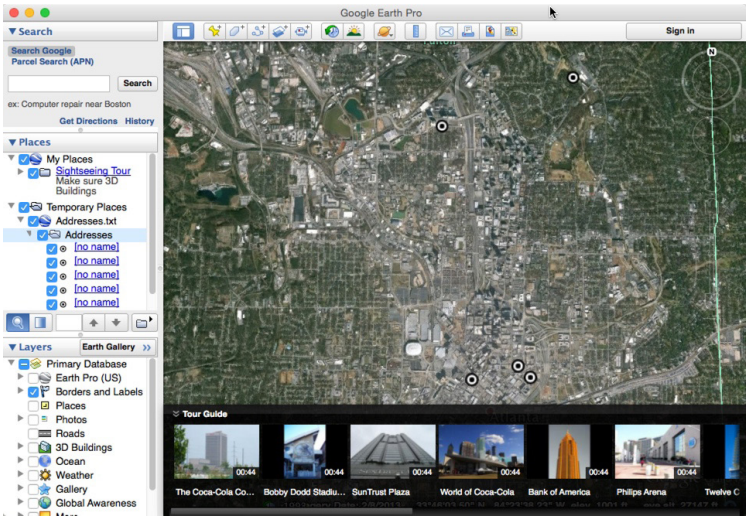
f. In the final screen on the **Data Import Wizard**, change **ZIP** to **string** and click **Finish**.

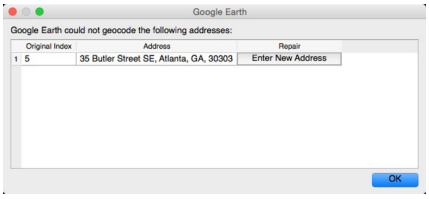


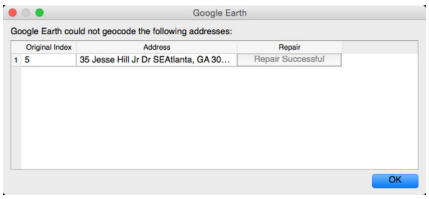
g. If you completed these steps using the sample data you should now have an error message stating **"Google Earth could not geocode the following addresses"**. Click in the **Repair** box where it says **Enter New Address**. Put in the following address: **35 Jesse Hill Jr Dr SE Atlanta, GA 30303 United States**. Click **OK**. It should say **Repair Successful** in the **Repair** box.

h. The Google Earth Pro map window will zoom to the location of the geocoded address points and you will see them listed in the menu bar under **Temporary Places**.

i. To save these points right-click on **Addresses** and select **Save to My Places**.







Contact:

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