

## Geocoding Address Tables

Open **ArcMap-ArcView** in a Citrix connection. Click on **Browse for maps...** and navigate to **M:\prod\lojic\arcview** and click on **beginner.mxd**.

Log into the SDE Database when the Spatial Database Connection window appears. Remember, only complete the User Name and Password form fields. Keep the Database form field **blank**.

In the *File* Menu, **Save As H:\CitrixTraining\exercises\geocoding.mxd**.

**Go to the Lesson 5** directory in the **H:\CitrixTraining\exercises\** directory.

Address tables do not have to be added into a map document files to be geocoded. However, keeping source tables with shapefiles generated from them may help a user keep their work processes organized and may be helpful to others using the map document.

**Add** the table **'FUNERAL HOMES\$'** spreadsheet from the **Funeral Homes.xls** at **H:\CitrixTraining\exercises\Lesson 5** to geocoding.mxd.

'FUNERAL HOMES\$' can be viewed in the Table of Contents by **clicking** on the **Source** tab and scrolling down to the bottom of the list. It will not be visible in the **Display** tab list. **It is important to remember that Excel (.xls) spreadsheets cannot be edited in ArcGIS software.**

To add an Address Locator, **click on Tools>Geocoding>Address Locator Manager**. (Figure 1)

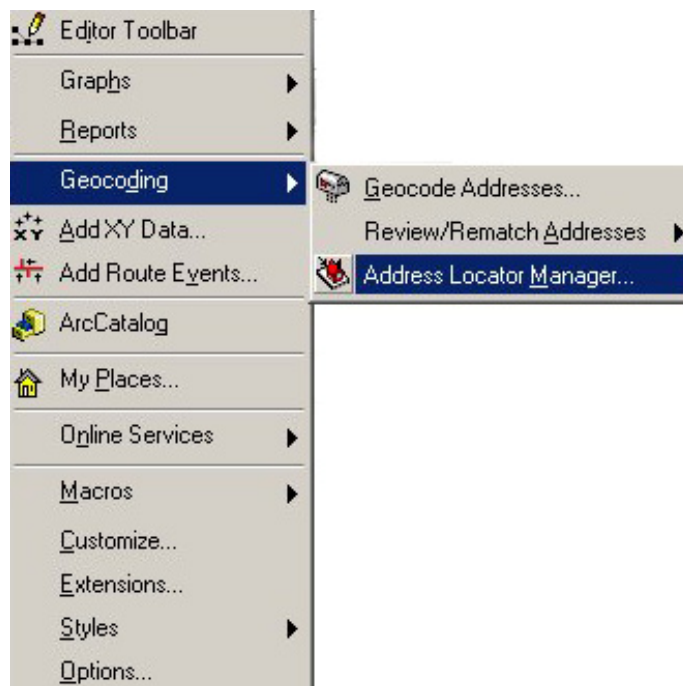


Figure 1 – Address Locator Manager.

To add the **LOJICCompositeLocator**, click on the **Add** button in the Address Locator Manager window. (Figure 2)



Figure 2 – Address Locator Manager Window.

In the Add Address Locator window (Figure 3), navigate to **L:\locators** and select the **LOJICCompositeLocator**. Click the **Add** button and **Close** the Address Locator Manager window.

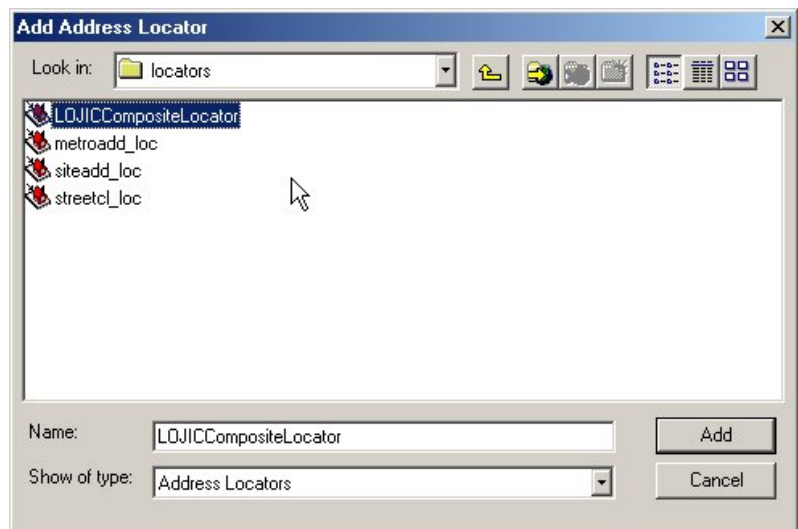


Figure 3 – Add Address Locator Window.

**Open Tools>Geocoding>Geocode Addresses.** Select the **LOJICCompositeLocator** and click **OK** in the **Address Locator Manager** window. (Figure 4)

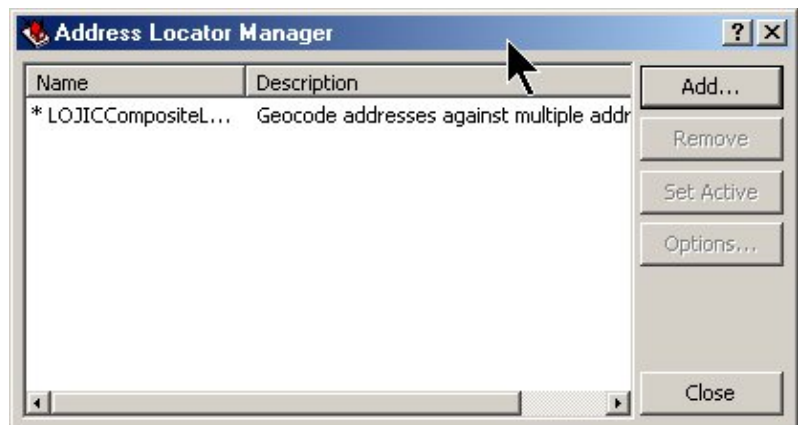


Figure 4 –Address Locator Manager window.

The **Geocode Addresses: LOJICCompositeLocator** window will appear. (Figure 5) This is the main window for setting up the parameters for geocoding a table. In the **Address table:** option, the table is selected. In this example it is automatically selected but a browse function is available. The **Address Input Fields** option automatically selects ADDRESS and ZIP if those fields are in the selected table but again a browse function is available to select other fields if necessary. In the **Output** option, the **Create static snapshot of table inside new feature class** should be selected. In the **Output shapefile or feature class:** option, enter **H:\training\exercis\Lesson 5\funeralhomes.shp**

The **Advanced Geometry Options** button opens up options in a window that would be used very rarely by the average users.

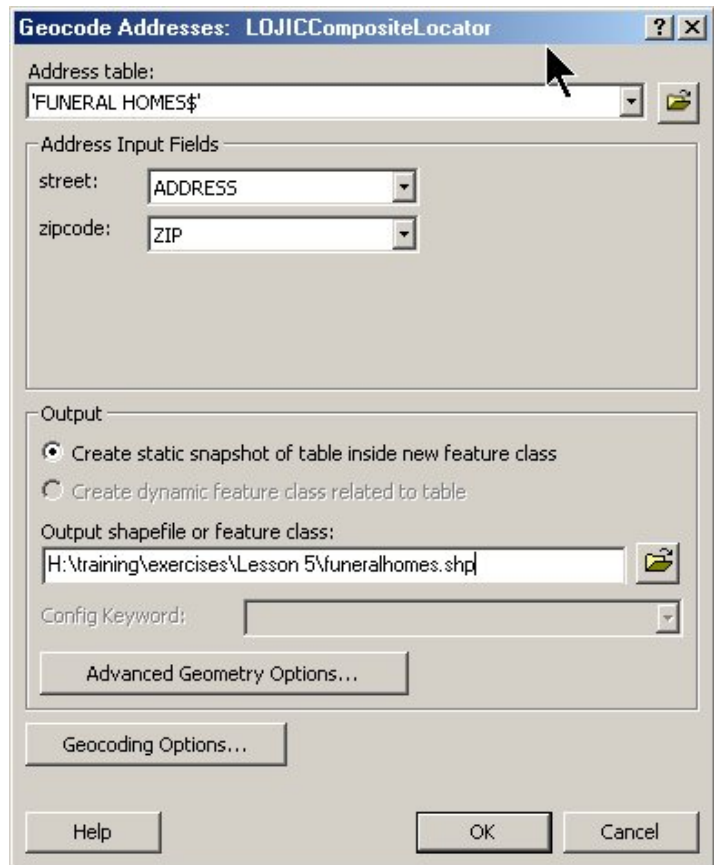


Figure 5 –Geocode Addresses: LOJICCompositeLocator window.

The **Geocoding Options** button opens a window that may be used more frequently. (Figure 6) In this window Alias tables can be accessed, spelling sensitivity and match scores can be adjusted, and intersection connectors can be identified.

For this exercise, the default selections will be used. **Click OK in the Geocoding Options window and the Geocode Address: LOJICCompositeLocator window.**

The addresses will now be geocoded.

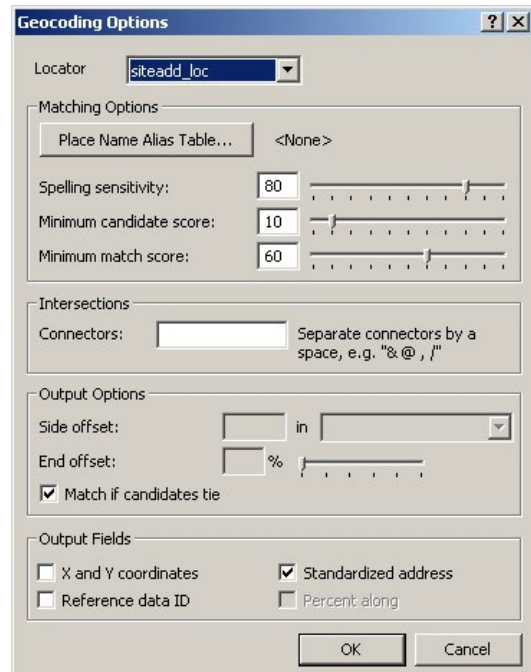


Figure 6–Geocoding Options window.

When the geocoding process is finished, the **Geocoding Addresses** window will appear showing the results. (Figure 7) In this exercise, one address was unmatched. To edit and try to match that address, **click** the **Rematch** button.

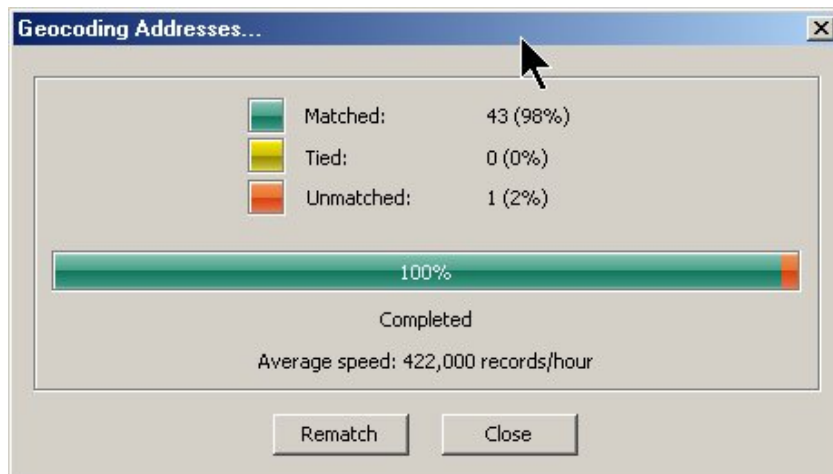


Figure 7 –Rematch Addresses window.

Selected the Unmatched Addresses from the Show results pulldown. Unmatched addresses can be edited and matched in the **Interactive Review** window. (Figure 8)

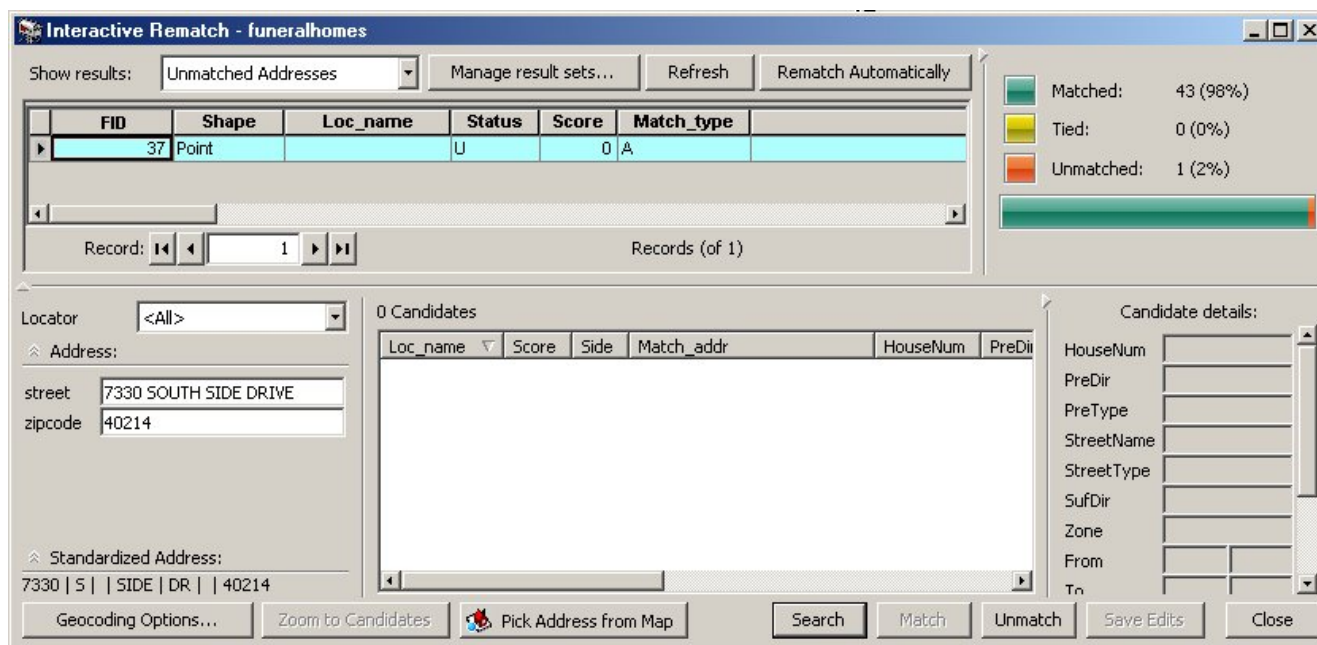


Figure 8 –Interactive Review window.

To correct the unmatched address “7330 SOUTH SIDE DRIVE”, the space between SOUTH and SIDE needs to be removed. Edit the address in the **Street:** option and **hit** the Return key on the keyboard. Address Candidates will appear for the edited address. (Figure 9)

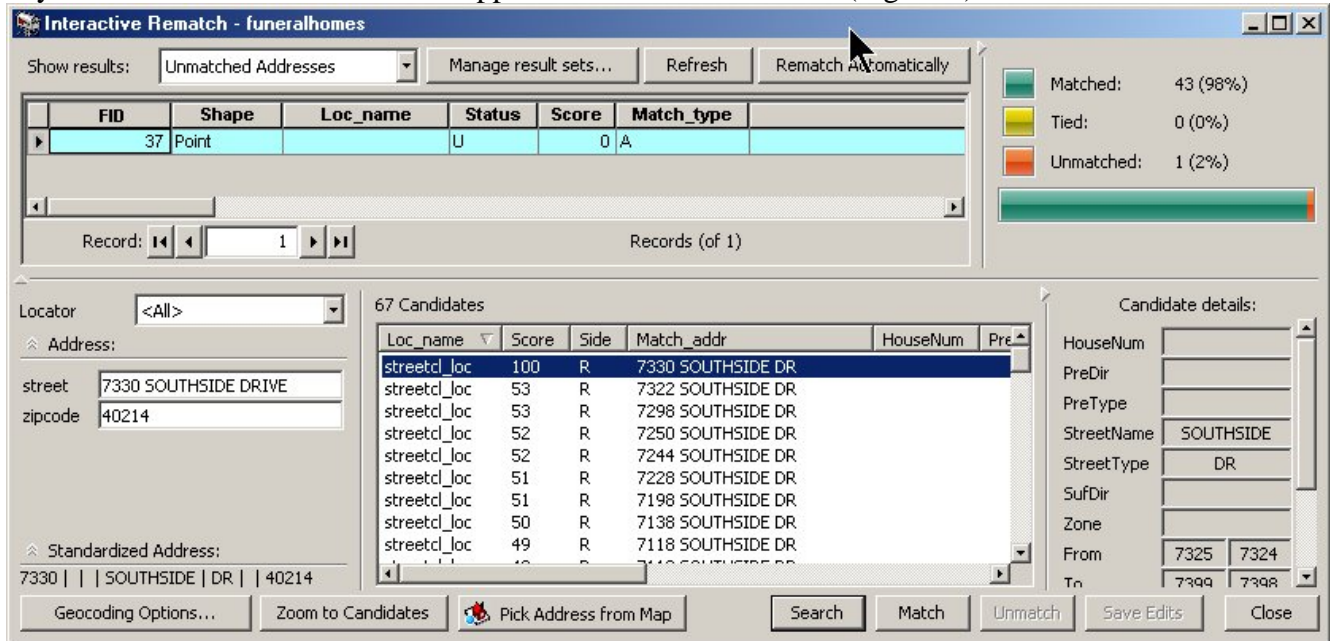


Figure 9 –Address Candidate window.

**Select** the candidate with the 100 score or “7330 SOUTHSIDE DR” and **click** the **Match** button. The **Status** Field will change to “M” or matched for the first address. **Click** the **Close** button.

**Save** the map document.