

Geocoding with Niagara Geocoding Locator – Street Addresses

The Niagara Address Locator was created using Niagara Open Data and therefore is available publically. However, in order to use this locator, your table of addresses must adhere to the following specifications:

1. Include a single field for street number and name (e.g. 153 Church Street)
2. Include a single field for city (e.g. St. Catharines)
3. Save table in CSV format or an older version of Excel (.xls)
4. [Download sample table here](#). (Source: Niagara Region)

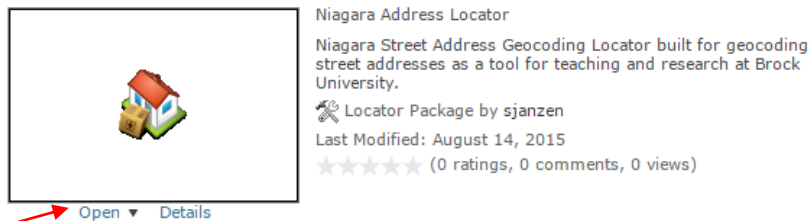
Address	City
153 Church Street	St. Catharines
83 Church Street	St. Catharines
149 Church Street	St. Catharines
84 Henry Street	St. Catharines

Accessing the Geocoding Locator

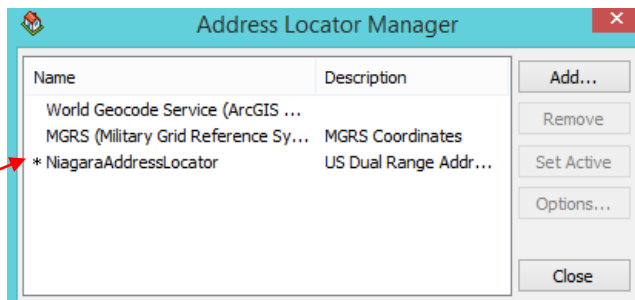
1. Run a web browser (Chrome, Firefox, Safari).
2. Navigate to <https://www.arcgis.com/home/>

NOTE: you DO NOT need to sign in to access the Locator!

3. From the search box at the top right, enter **Niagara Address Locator** and hit enter on the keyboard. If the locator doesn't appear, make sure the box beside "Show ArcGIS Desktop Content" is checked.



4. Click **Open > Open in ArcGIS for Desktop** (this action downloads a .pkinfo file automatically)
5. Navigate to your downloads and double-click **item.pkinfo** (this action will automatically run ArcGIS desktop **Address Locator manager**).



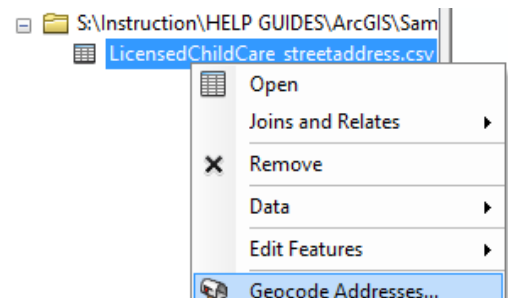
Save the **item.pkinfo** file to your personal storage space. When you want to geocode in the future you can simply double-click this file to load the Niagara Address Locator.

*An internet connection is required.

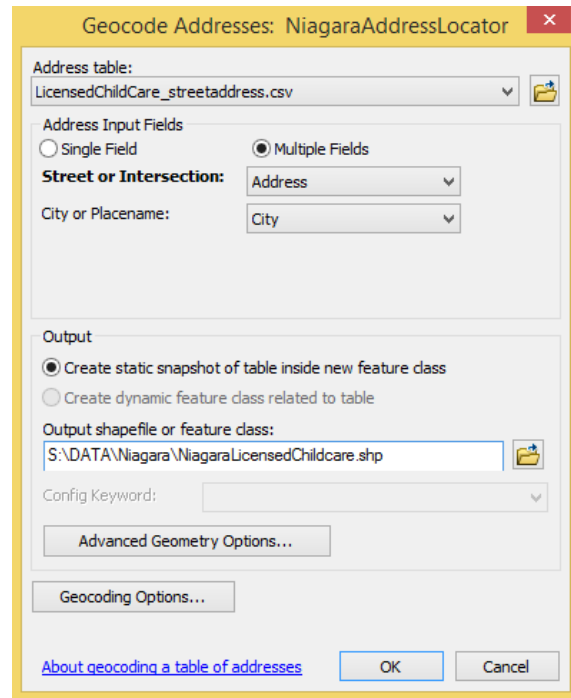
6. The asterisk indicates the locator is the selected default. Click Close.

Geocoding a table of street addresses

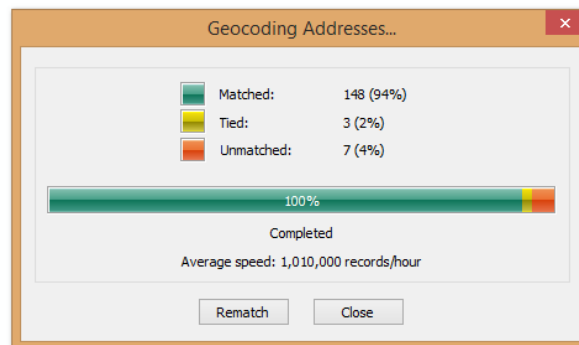
7. In ArcMap, add a table of addresses.
8. Right-click the table and select Geocode Addresses.
9. The default locator should be **NiagaraAddressLocator**.
10. Click OK.



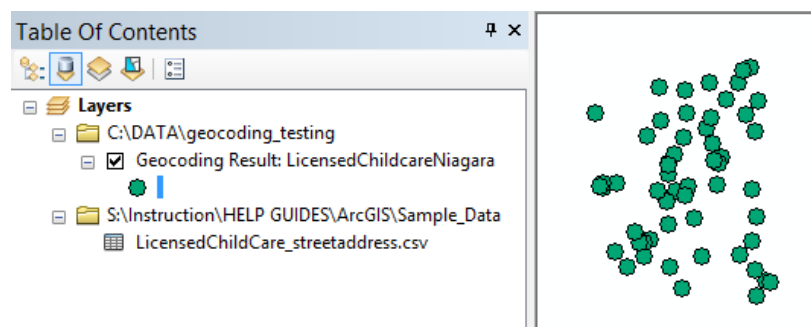
11. From the Geocode Addresses dialogue box, select the **Street or Intersection** (Address) field then the **city or placename** (City).
12. Browse to an appropriate output location, change the file type to shapefile and provide a suitable name.



13. Click OK.



14. If you are not satisfied with the result, you have the option at this point to Rematch. Jump to the next section for instructions regarding **Rematch**.
15. If you ARE satisfied with the result, click **Close** when the prompt indicates Completed.
16. The address table is now represented by points on the map.



Using the Rematch option

The result above shows 3 tied records and 7 unmatched records. Using the Rematch function, you can interactively examine each record and make corrections that might facilitate a correct match. For example:

1. From the **Show Results** dropdown, select **Unmatched Addresses**.
2. With the first record selected, an examination of the details reveals a **slight typo** (there needs to be a space between the street number and street name).
3. At the bottom left of the window you can **make the correction** then hit **Search** to attempt to find a suitable match. In this case, we have a suitable match.
4. Click **Match** and continue with the rest of the records.

1 → Show results: Unmatched Addresses

ARC_City	Program	Address	City
Fort Erie	ACW Early Learning - Stevensville	3521Main Street	Fort Erie
Fort Erie	Top of the Ridge Day Care	536 Prospect Point	Fort Erie
Lincoln	YMCA Child Care - St. John	5684 Regional Road 81	Lincoln
Niagara-On-The-Lake	YMCA Child Care - St. Michael	387 Line 3 Road, R.R. 2	Niagara-On-The-Lake
Pelham	YMCA Child Care - Glynn A Green	1353 South Pelham Road	Pelham
St. Catharines	Garderie Touche a Tout	35 Promenade Prince Charles	St. Catharines
Thorold	YMCA Child Care - St. Charles	25 Whyte Street	Thorold

Matched: 148 (94%)
Tied: 3 (2%)
Unmatched: 7 (4%)

Address: Street or Intersection: 3521 MAIN STRE
City or Placename: FORT ERIE

1 Candidate

Score	Side	Match_addr	FromAddr	ToAddr	PreDir	PreType	StreetName
90.87	L	3521 East Main Street, Fort Erie	3467	3521	East	Main	

Candidate details:

FromAddr	3467
ToAddr	3521
PreDir	East
PreType	
StreetName	Main
SufType	Street
SufDir	
City	Fort Erie
State	

Geocoding Options... Zoom to Candidates Pick Address from Map Search Match Unmatch Save Edits Close

3a → 3b, 4 → 6 →

5. Repeat the above steps for records that were tied.
6. When you are finished, click **Close**.

If you require assistance with a geocoding project please contact maplib@brocku.ca We would be happy to help put your data on the map!