



Hands On Using the RI State Enterprise Geocoding Service

Desktop Tip

Using the RISEGIS geocoding service in ArcGIS Desktop (ArcMap)

From within ArcMap, open ArcCatalog. In the Catalog Tree, expand GIS Servers. Double click Add ArcGIS Server. Retain the default to Use GIS services and click Next. Enter the following as the Server URL

<https://risegis.ri.gov/gpserver/rest/services>

Click Finish. A few seconds may pass while you are being connected to the Server. Ultimately, you will see gpserver on risegis.ri.gov (user) appear in the list of GIS Servers. When this server connection is expanded, the E911_Sites_AddressLocator will be listed, and available to use for geocoding your table of addresses.

In ArcToolBox > Geocoding Tools > Geocode Addresses

Proceed as follows:

The screenshot shows two windows from ArcMap. The top window is a table titled 'Table' with the following data:

| TYPE | LEVEL | DISTRICT | NAME | ADDRESS | TOWN | STATE | ZIP_CODE | PHONE | FAX |
|--------|----------|--------------------|--|---------------------------|----------------|-------|----------|----------|----------|
| Public | Sr. High | Burrillville | Burrillville High School | 425 East Avenue | Burrillville | RI | 02830 | 568-1310 | 568-1363 |
| Public | Sr. High | Providence | Classical High School | 770 Westminster Street | Providence | RI | 02903 | 456-9145 | 456-9155 |
| Public | Sr. High | Cumberland | Cumberland High School | 2600 Mendon Road | Cumberland | RI | 02864 | 658-2600 | 658-3124 |
| Public | Sr. High | Providence | E-Cubed Academy | 812 Branch Avenue | Providence | RI | 02904 | 456-0694 | 456-0696 |
| Public | Sr. High | Exeter-W Greenwich | Exeter-West Greenwich Regional High School | 930 Nooseneck Hill Road | West Greenwich | RI | 02817 | 397-6893 | 392-0134 |
| Public | Sr. High | Providence | Hope High School | 324 Hope Street | Providence | RI | 02906 | 456-9161 | 456-1747 |
| Public | Sr. High | Lincoln | Lincoln Senior High School | 135 Old River Road | Lincoln | RI | 02865 | 333-1850 | 334-8753 |
| Public | Sr. High | Providence | Mount Pleasant High School | 434 Mount Pleasant Avenue | Providence | RI | 02908 | 456-9181 | 453-8655 |

The bottom window is the 'Geocode Addresses' tool. The 'Input Table' is set to 'Sheet1\$'. The 'Input Address Locator' is set to 'GIS Servers\gpserver on risegis.ri.gov (user)\E911_Sites_AddressLocator.GeocodeServer'. The 'Input Address Fields' are set to 'Multiple Fields' with the following mappings:

| Field Name | Alias Name |
|------------------------|------------|
| Street or Intersection | Address |
| City or Placename | TOWN |
| State | State |
| ZIP Code | ZIP_CODE |

The 'Output Feature Class' is set to 'C:\MyGeocodedSchools.shp'. The 'Country' field is set to 'your output directory and data file name'. Green arrows indicate the flow of data from the table to the tool's input fields and the output file path.

ArcToolBox
Geocode Addresses
Geoprocessing Tool

The new point spatial data file will be added to your Data Frame in your Table of Contents.