

# Geocoding Services in ArcGIS Desktop

\*Questions about this document can be directed to [njgin@oit.state.nj.us](mailto:njgin@oit.state.nj.us)



The following NJOGIS geocoding services can be integrated into ArcGIS Desktop and used for a majority of geocoding workflows in ArcGIS:

## **Addr\_NJ\_cascade**

[http://geodata.state.nj.us/arcgis/rest/services/Tasks/Addr\\_NJ\\_cascade/GeocodeServer](http://geodata.state.nj.us/arcgis/rest/services/Tasks/Addr_NJ_cascade/GeocodeServer)

## **Background**

The Addr\_NJ\_cascade geocoding service is regularly updated with addresses from both the NJ Address Points & NJ Road Centerlines datasets. This service allows for general geocoding and reverse geocoding for street address and road intersection locations. The service can be used directly in ArcMap in lieu of a local copy of the address locator.

**Note:** If you require geocoding of greater than 1000 addresses, it is recommended that you download a local copy of the address locators instead of using the service. Locators can be downloaded directly from the [NJGIN Address Information](#) page.

## **Matching Hierarchy:**

- Address Point Street Addresses
  - ▼ Road Range Street Addresses
  - ▼ Road Intersections

## **Supported ArcGIS Workflows:**

- Geocoding Toolbar (Single)
- Geocode Addresses (Batch)

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## Setting the Addr\_NJ\_cascade service as a Default locator in ArcMap:

- \* Default locators will always appear as an optional locator in ArcMap sessions
- \* This workflow assumes you are running Windows 7 or higher
- \* This change has to be applied on a user-by-user basis.

- 1) Open Windows Explorer and type `%appdata%` (with the percent signs) into the address bar at the top, and it will take you to your user profile directory.
- 2) From there, navigate to `ESRI\Desktop10.3\Locators` (If you are running a different 10.x version, use that folder name instead).
- 3) In that folder you will find `DefaultLocators.xml`.
- 4) Save a copy of this file as an original for backup.
- 5) Open the `DefaultLocators.xml` file in a text editor (ex NotePad or NotePad++ )
- 6) Paste the following code in between the `<default_locators>` tags:

```
<locator_ref>
  <name>Tasks/Addr_NJ_cascade</name>
  <display_name>NJOGIS Addr_NJ_cascade</display_name>
  <workspace_properties>
    <factory_progid>esriGISClient.AGSServerConnectionFactory</factory_progid>
    <ags_connection_properties>
      <url>http://geodata.state.nj.us/arcgis/services</url>
    </ags_connection_properties>
  </workspace_properties>
</locator_ref>
```

- 7) Launch ArcMap and confirm that it works. There should now be an entry for the locator as “NJOGIS Addr\_NJ\_cascade” in the Find locations window and Geocoding toolbar.

