

Geocode Oregon Addresses with ArcGIS Pro

March 2024

The ESRI World Geocoder is the default locator used on ArcGIS Online but it costs credits to use it. However, if your addresses are in Oregon use the free Oregon Address geocode locator instead. The steps below will show how to geocode the addresses in a CSV (Comma Separated Values) text file with the Oregon Address geocoder in ArcGIS Pro.

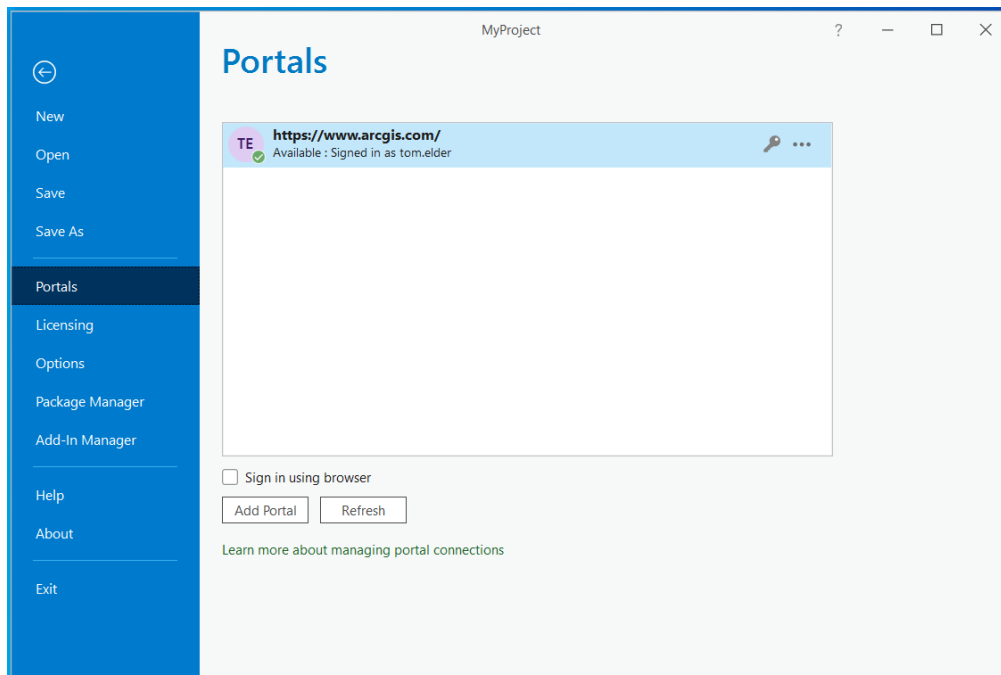
Steps

Start ArcGIS Pro

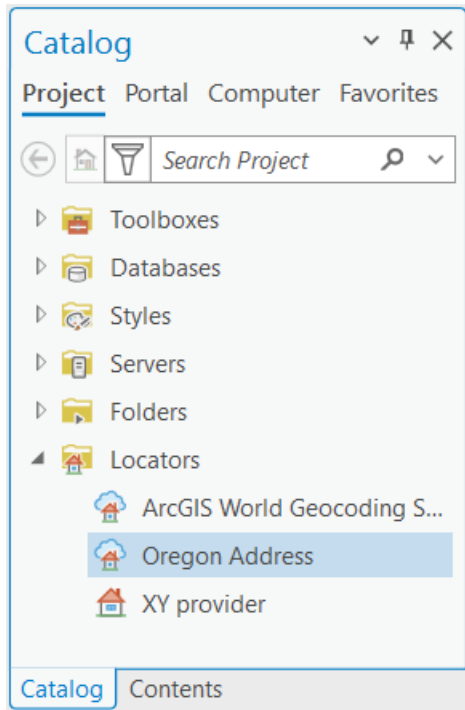
Click on the **Project** tab then **Portals**

You must be connected to the State of Oregon ArcGIS Online organization as the *active* portal (shown with a green check).

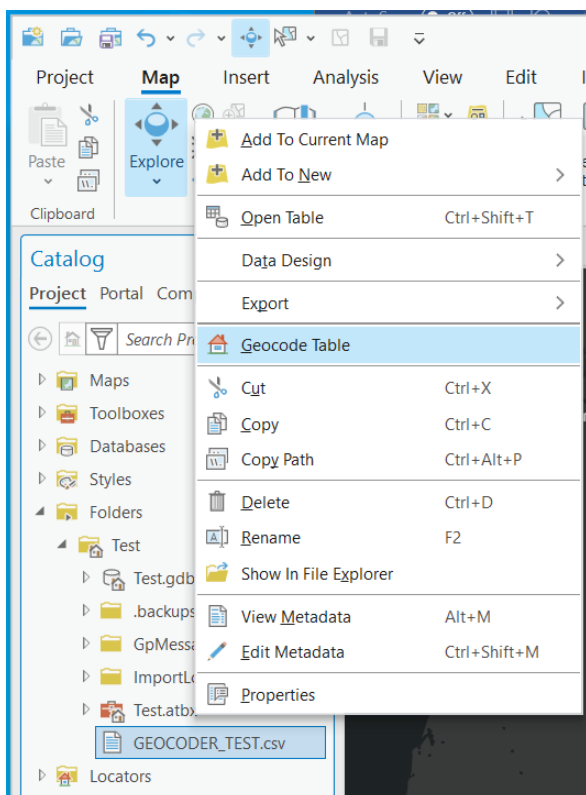
Go back to the Catalog pane.



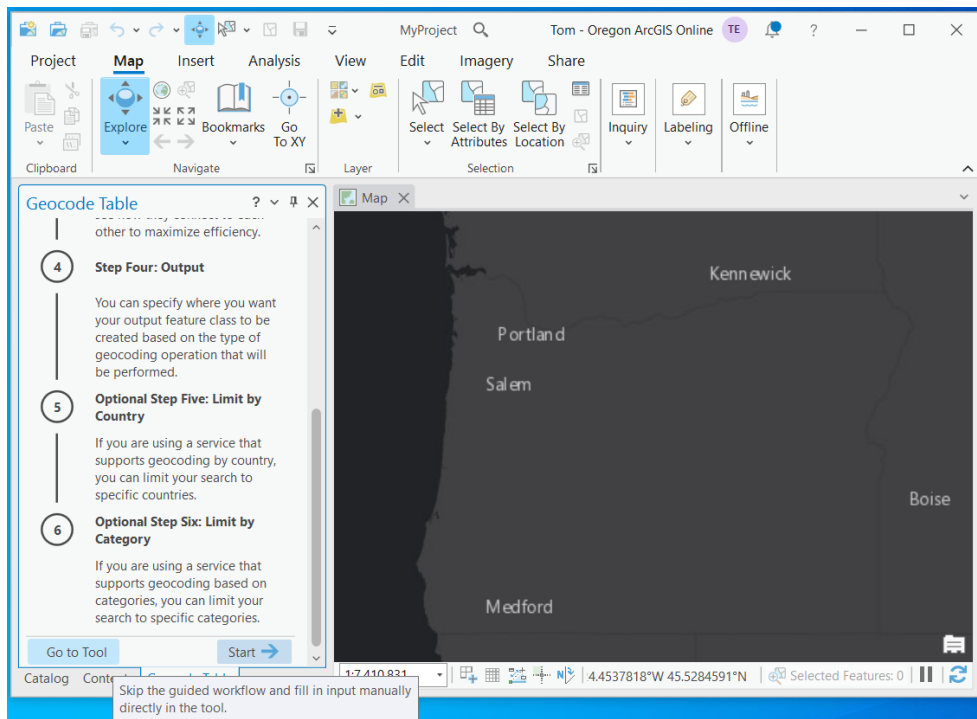
When you are connected all of the locators on ArcGIS Online are automatically available under Locators in the Catalog pane.



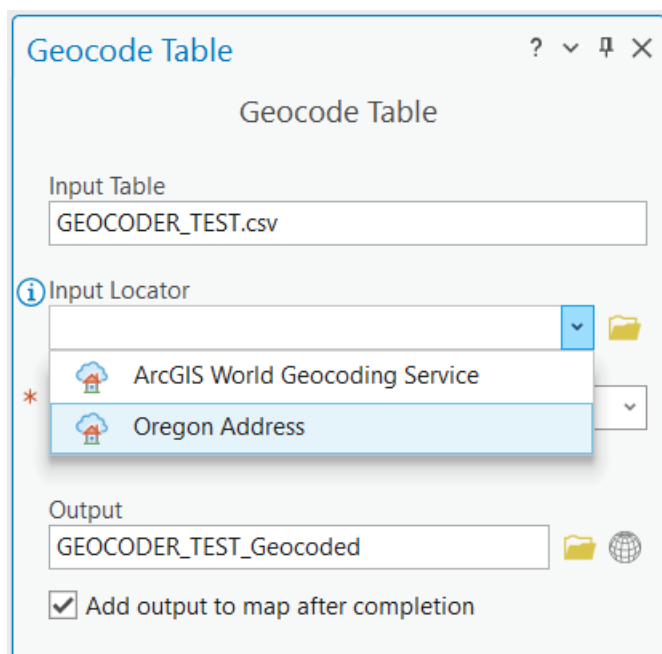
Right-click the CSV file containing the addresses you want to geocode and select **Geocode Table**.



You can use **Start a Guided Workflow (Start)** or **Go to the Tool**. This example skips straight to the tool.



IMPORTANT! Select the Oregon Address locator from the **Input Locator** pull-down menu.



Select the fields for the address, city, state, and ZIP Code in the **Input Address Fields**.

Geocode Table

Input Table
GEOCODER_TEST.csv

Input Locator
Oregon Address

Input Address Fields
More than one field

Locator Field
Data Field

Address or Place
ADDRESS

Address2
<None>

Address3
OBJECTID

Neighborhood
ADDRESS

City
CITY

County
STATE

State
ZIP

ZIP
STATE

ZIP4
<None>

Country
<None>

Output
GEOCODER_TEST_Geocoded

☒ Add output to map after completion

Preferred Location Type
Routing Location

Output Fields
All

Scroll down past the Input Address Fields and **Run**.

Geocode Table

Input Table
GEOCODER_TEST.csv

Input Locator
Oregon Address

Input Address Fields
More than one field

Locator Field
Data Field

Address or Place
ADDRESS

Address2
<None>

Address3
<None>

Neighborhood
<None>

City
CITY

County
<None>

State
STATE

ZIP
ZIP

ZIP4
<None>

Country
<None>

Output
GEOCODER_TEST_Geocoded

☒ Add output to map after completion

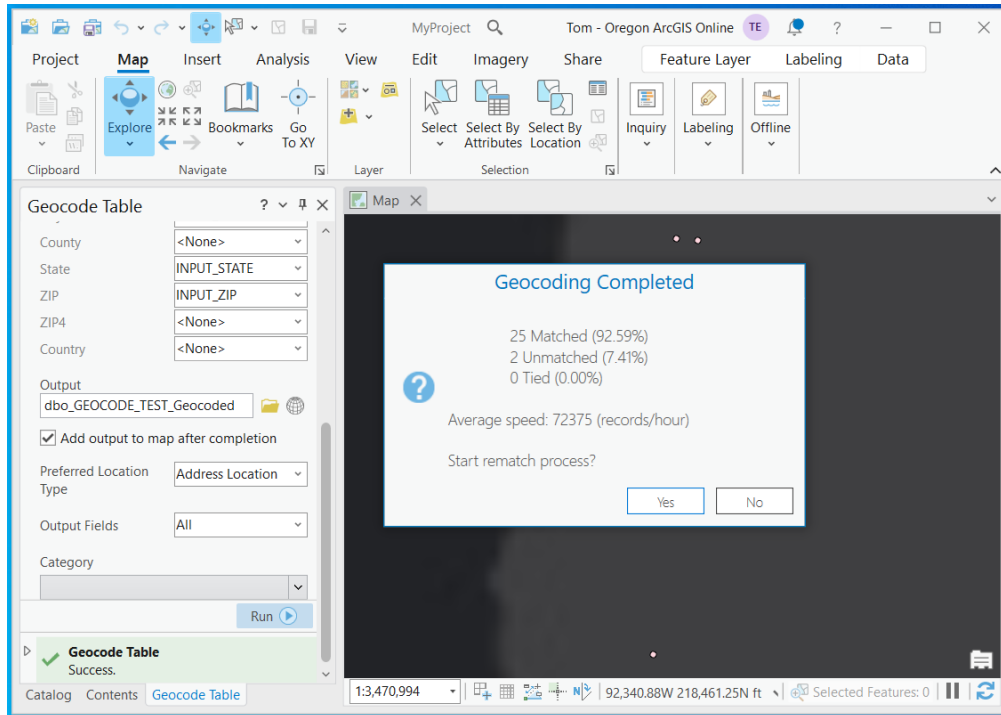
Preferred Location Type
Routing Location

Output Fields
All

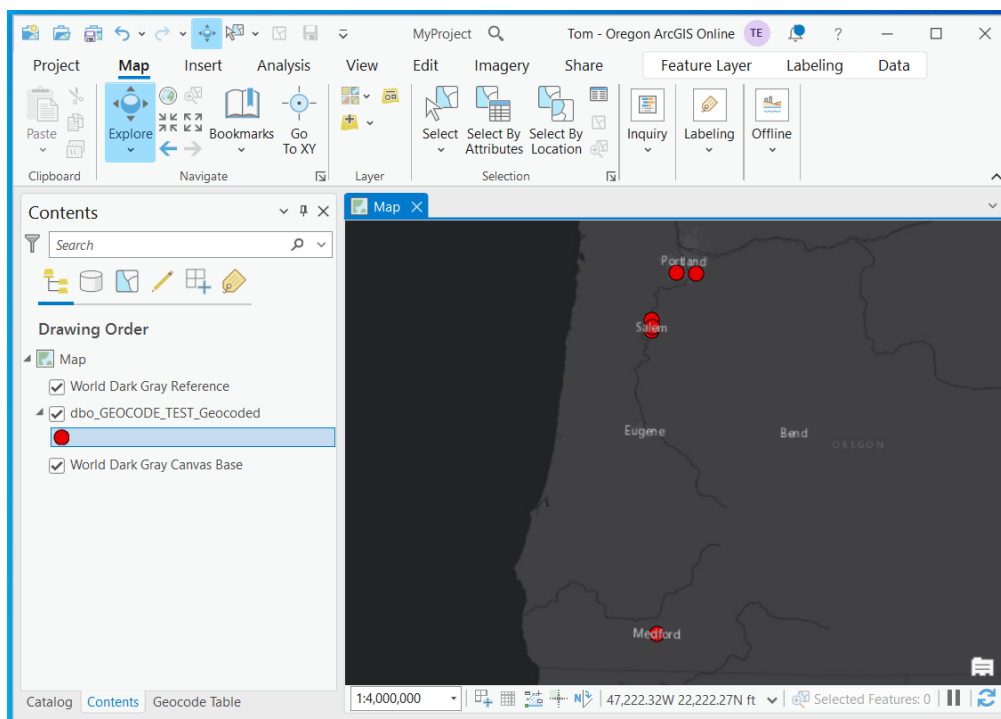
Category

Run

When the addresses have been geocoded, you have the option to try to match any addresses that failed.



The addresses will be shown on the map as a new Feature Class which is stored in the default File Geodatabase in the ArcGIS Pro project.



For more information –

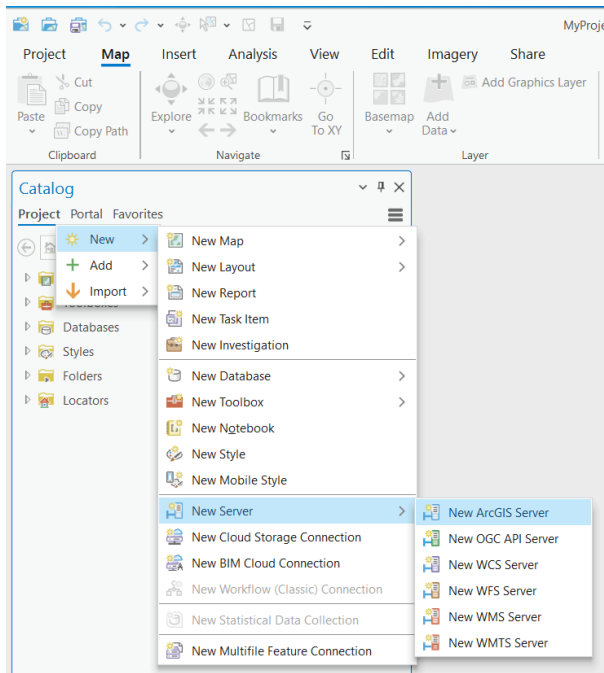
<https://pro.arcgis.com/en/pro-app/latest/help/data/geocoding/tutorial-geocode-a-table-of-addresses.htm>

What if I don't have an ArcGIS Online account?

If you do not have a login to ArcGIS Online you can still use the Oregon Address geocoder. Add the new geocode locator directly from ArcGIS Server to ArcGIS Pro

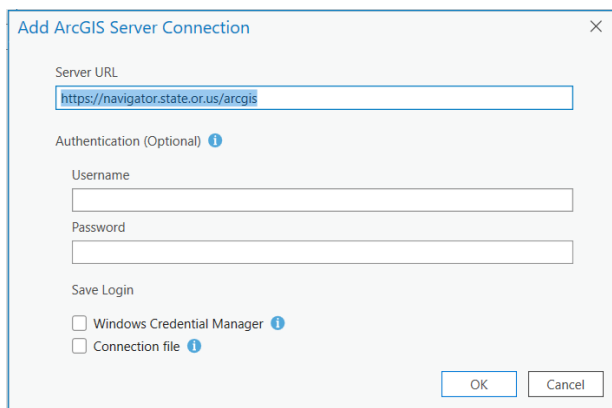
Start ArcGIS Pro and in the Catalog pane...

Right click Project → New → New Server → New ArcGIS Server



Add the Navigator server URL and press OK. No username or password is needed.

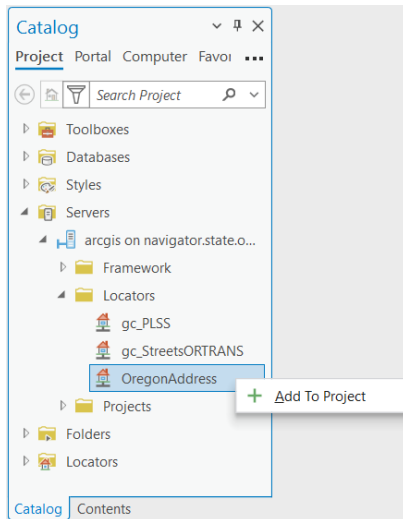
<https://navigator.state.or.us/arcgis>



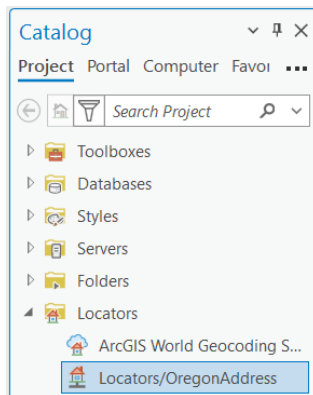
The new server will appear in the Catalog pane under Servers.

Expand the ArcGIS server → Locators folder

Right-click on the OregonAddress locator and click Add To Project



The new locator is now ready to use under the project Locators.



For assistance with the Oregon geocode locators contact GIS.Info@das.oregon.gov



Oregon Department of Administrative Services
Enterprise Information Services
Data Governance and Transparency
Geospatial Enterprise Operations