

# FINDER Online User Manual

Updated May 6, 2026

## [FINDER Online](#)

*FINDER* Online is a tax map and real property database viewer for the state of Maryland. *FINDER* Online may be used to query data and generate maps for informational purposes. This manual will guide the user through the application.

The application is maintained by the Maryland Department of Planning.

## Usage Recommendations

This site performs best using either [Chrome](#) or [Firefox](#) browsers.

All *FINDER* Online functionality is accessible on large, medium, and small screen sizes.

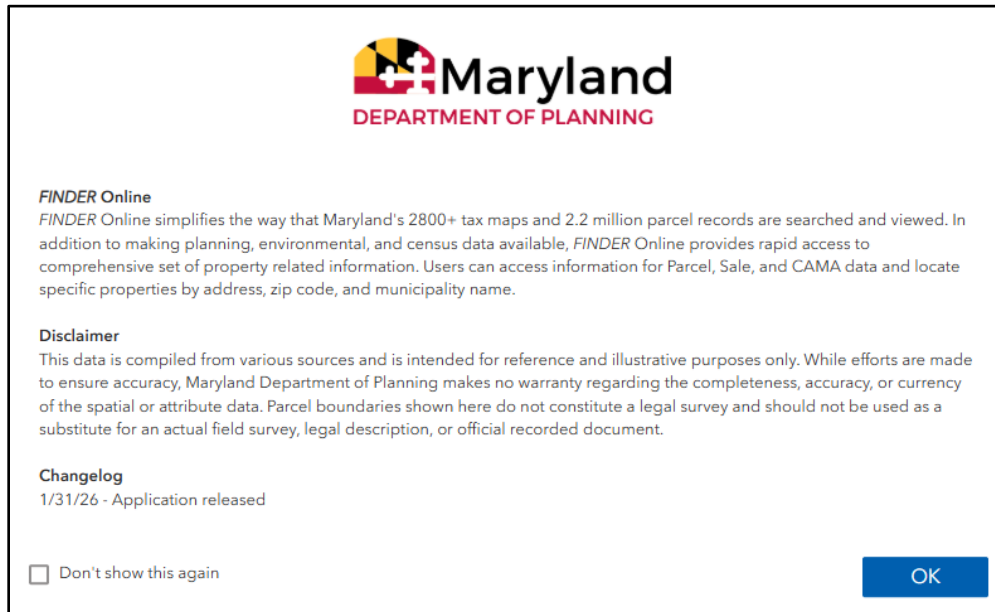
## Keyboard Navigation

Use the following keys to navigate the application using a keyboard.

- General Navigation
  - **Tab / Shift + Tab:** Navigate between elements (panels, widgets, and settings).
  - **Arrow Keys:** Navigate within a selected element.
  - **Enter / Space:** Select a focused item, expand a menu, or activate a button.
  - **Esc:** Close a dialog box, menu, or exit a dynamic list.
- Map Navigation
  - **Arrow Keys:** With the map element selected, pan the map view.
  - **Plus (+) / Minus (-):** Zoom in and out.
  - **A / D Keys:** Rotate the map.
  - **N:** Rotate map to the default orientation (north facing up)

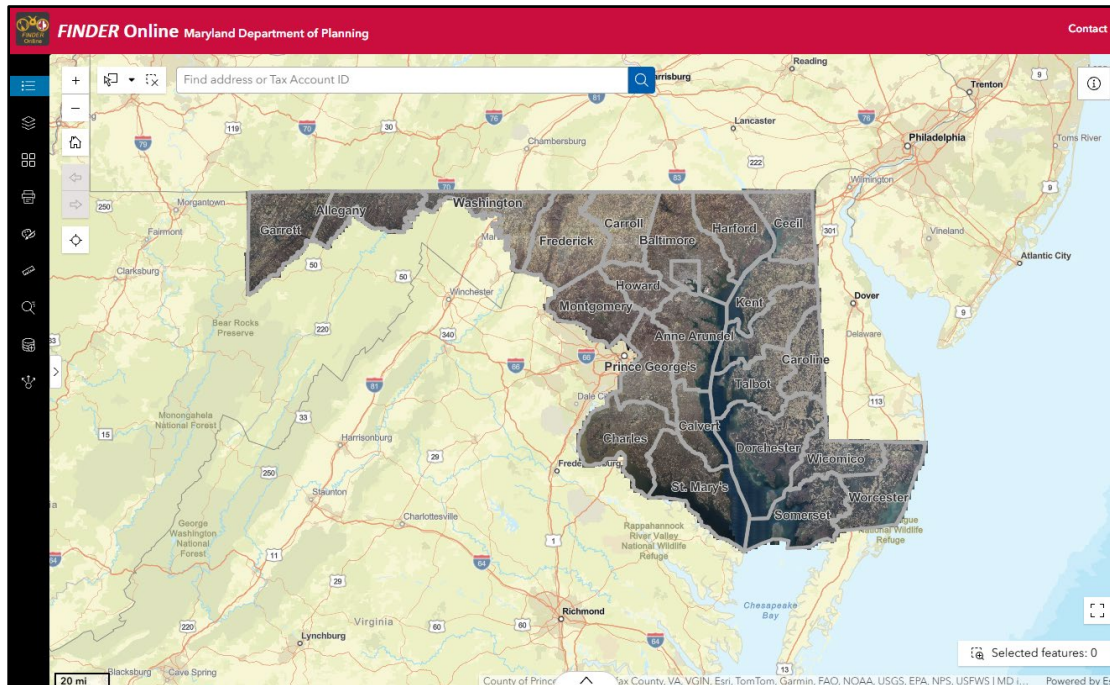
# Application Layout

## Splash Screen



When opening the app, you will see a splash screen with a brief introduction to the application. The changelog shows a record of updates made to the app and data. Optionally, you can check “Don’t show this again” to hide the splash screen in future sessions. Click OK to continue to the application.

## Page Overview



The appearance of the application may vary depending on the screen size of the device you are using.

### Header

The header of the applications contains several elements. The Maryland Department of Planning hyperlink directs you to the MDP website. The Contact button that directs you to the [dlmdpvhelpdesk\\_mdp@maryland.gov](mailto:dlmdpvhelpdesk_mdp@maryland.gov) email.

### Map Navigation

Hover your cursor over a button to activate a tool tip and identify the name of the tool or button function.

#### Info button



The info button opens a window containing information about *FINDER* Online. It includes links to various resources, browser recommendations, and contact information for questions.

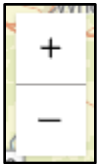
#### Search



Use this tool to find a location by typing in a property address or parcel account ID. As you type, a prompt may appear. Parcel account IDs should be the entire unique ID number with the two-digit county code. The formatting of parcel account IDs varies by jurisdiction. More information about these can be found [here](#). Use a space between Block and Lot when for Baltimore City if the Block is less than five characters. You may use the drop-down menu to the left of the text box to search by address, parcel account, or both.

For keyboard navigation, use the arrow keys to access the search results as they appear. If you click the magnifying glass icon, tab through the rest of the map tools to return to the search results.

## Zoom



Use this tool to interact with the viewing extent of the map window. Clicking the + button will make the map subject area large scale (i.e. “zoomed in”). Clicking the – button will make the map subject area small scale (i.e. “zoomed out”). This function may also be accessed using a mouse scroll wheel.

## Default Extent



Click this button to return the map frame extent to the default statewide view.

## My Location



Click this button to allow your browser to request location access. The map frame view extent will update to reflect the user’s geographic location by IP address.

## Sidebar Tools

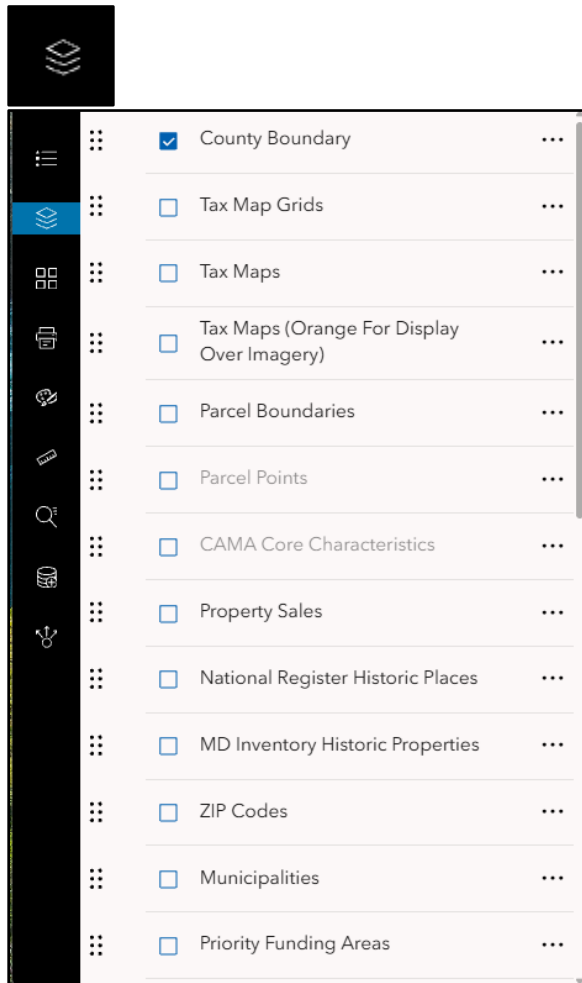
Hover your cursor over a button to activate a tool tip and identify the name of the tool or button function. The following tools appear from top to bottom in the left sidebar.

### Legend



The Legend tool displays the symbology of layers that are visible on the map.

## Layer List



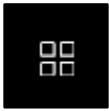
The Layer List tool turns layers on or off (i.e. displaying or not displaying them on the map). Click the box to the left of the layer name to turn it on or off. The County Boundary, Six Inch Imagery, and World Street Map layers are on by default. Scroll down through the layer list to view all available layers to display. Additional layers are listed in the Data Sources section of this document.

Some layers contain additional sublayers. Click the arrow to the left of a layer name to expand. If you wish to display sublayers, the layer group name must be checked on. By clicking the arrow to the left of some layer names, symbology information may appear.

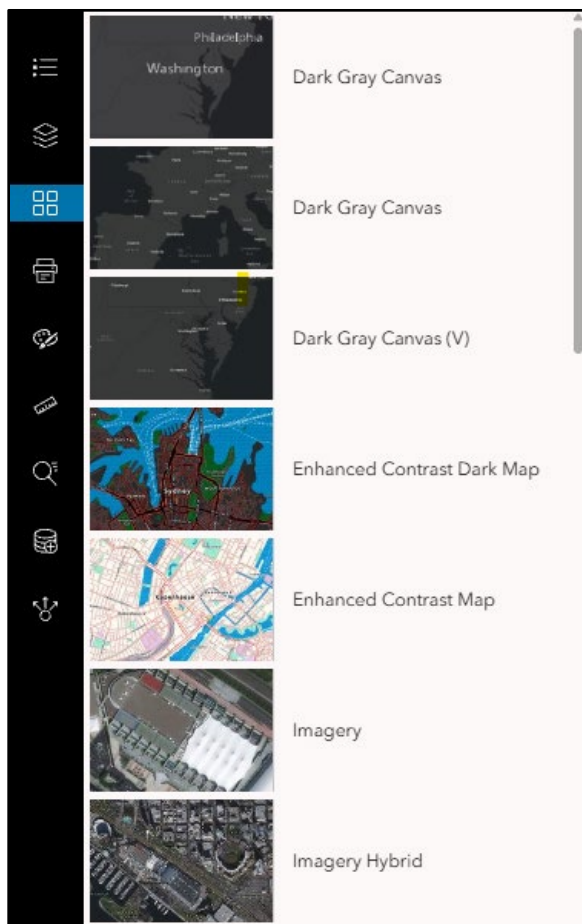
If a layer name appears grey, it is not visible at the map's current scale, and you may need to zoom in or out to see it. For these layers, you can change the visibility range (see below). You will need to zoom in for some to appear, like the Tax Map layer, even though their layer names do not appear in grey.

Clicking the three dots to the right of a layer name provides additional options. You can change the transparency of a layer, zoom to the layer, or set its visibility range. Change the display order of layers by clicking on and dragging the six dots located to the left of the layer name.

## Basemap



The Basemap tool lets you change the basemap that appears underneath the data layers. Select from the options listed to change the appearance.



## Print



Clicking on the Print tool will open the Print menu. The menu asks the user to enter a Map Title, choose a Layout size, and File Format type. The output extent of the map is dependent on the layout size and centers the current extent of the map frame.

The user can further customize the map output by clicking the Advanced button. When you have finished customizing your settings, click the Print button. You will see a “Creating print” graphic while your print is being prepared. When the print has finished generating, it will appear in the Results tab.

The time needed to generate the print may vary. This depends on the size of the area being printed and the number of layers turned on. Internet speed can also be a factor in generating prints. If print generation takes too long or fails, retry, or see if reducing the area or layers printed helps.

Print template Results

Template

A3 Landscape

Title

FINDER Online Map

Advanced

Map printing extents

Current map extent

Current map scale

Set map scale

Layout options

Author

Copyright

Include legend

Include north arrow

Scalebar unit Miles

Print quality

96 DPI

Include attributes

Show print area

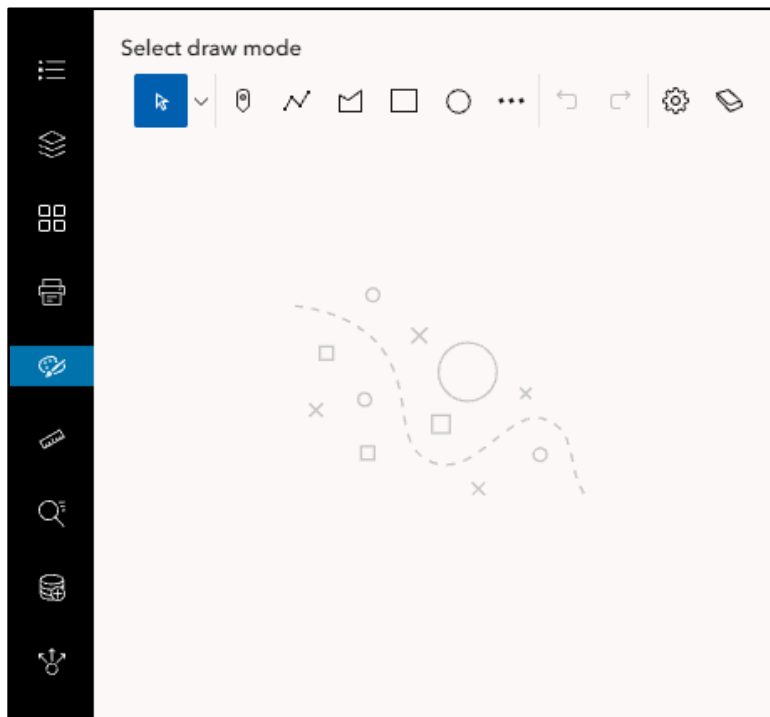
Print

## Draw



The Draw tool is useful for marking up a map before exporting a printout. Clicking on the Draw tool will open a tab with several drawing modes. Hover your cursor over the button to see its name. Some drawing modes may have further options to change the appearance of your drawing. After previewing a sample, you may click on the map to place your object or begin drawing. You can undo, redo, clear, and change the settings for your drawing. Use the select option to select, move, resize, or edit your drawing. Clicking a selected object lets you edit its vertices.

Use the Esc key to exit drawing mode. You can also use your Delete key to delete selected objects.

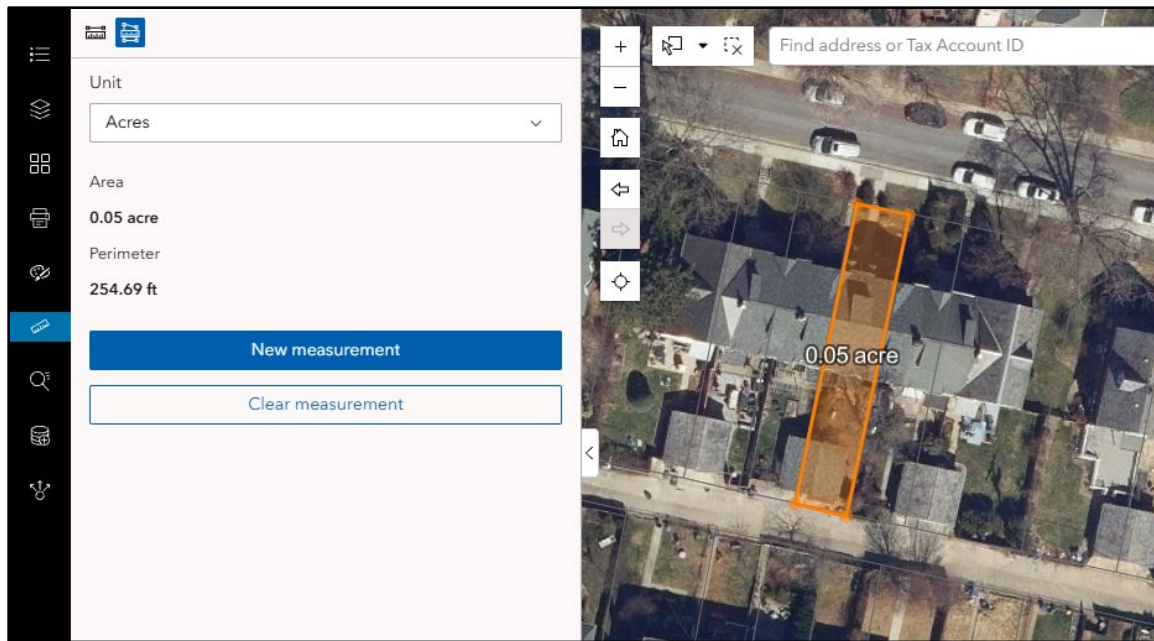


## Measurement



This tool allows the user to measure a distance or area. Click on the map to draw a line or polygon, and the corresponding measurement will appear in the sidebar. The user can select from a dropdown of measurement units. To finish your measurement, double click with your mouse. Click Clear measurement to remove your results from the map and the sidebar.

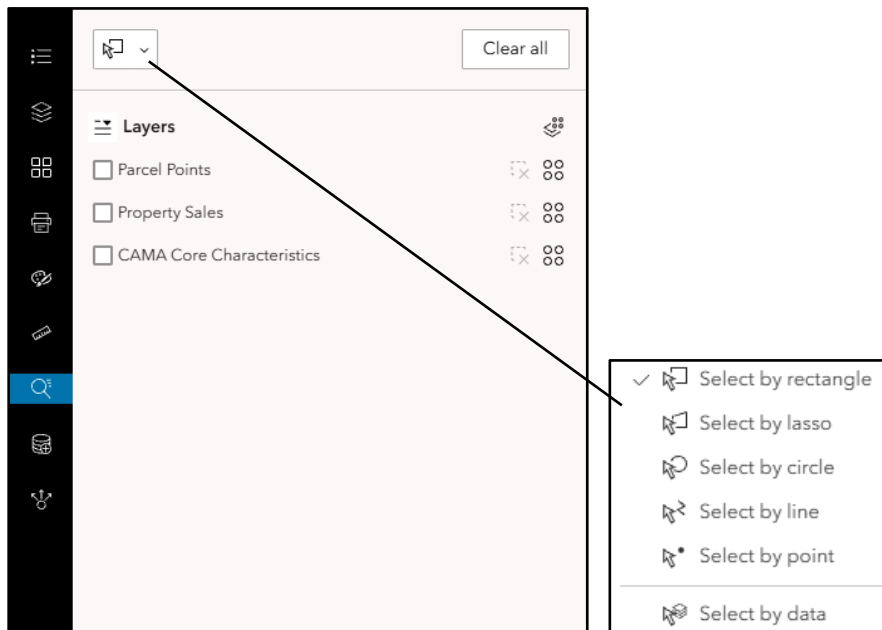
The measure tool supports several keyboard navigations as well. With the Distance or Area tool active, hover your cursor over the map and use the **F** key to add a point to your measurement. Use the **Z** key to delete the last point placed and press **Enter** to finish the current measurement.



## Select



The Select tool allows the user to select three types of features. These features are Parcel Points, Property Sales points, and CAMA Core points.



Open the Select tool. Check the boxes for Parcel Points, Property Sales, or CAMA Core to enable the layers for selection. Use the drop-down menu in the top left to choose a method for selection.

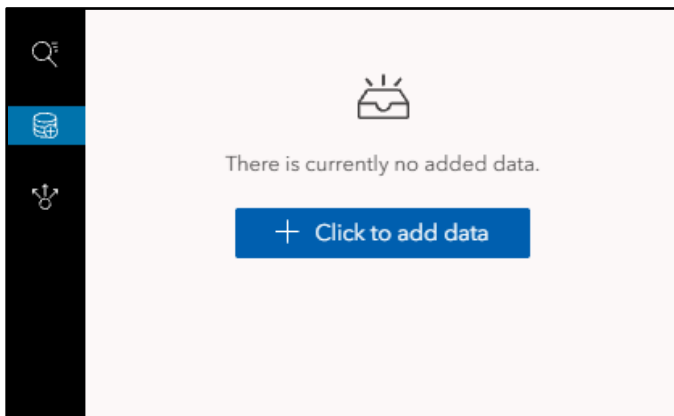
The select by data option allows you to select points by clicking them on the map. The other options allow you to select by several different shapes. Since you are selecting points, it is best to select by rectangle, lasso, or circle. Click and drag your mouse on the map to draw a circle or rectangle, and let go to finish drawing. For select by lasso, click and drag to draw a shape freehand or click multiple locations to draw a polygon. Double click to finish the drawing. All features for the layers enabled for selection in your drawing will be selected.

You can apply an action to the selection across all layers using the Actions button. Apply an action to the selection for a single layer using the Actions button next to a layer. Clear the selection for a single layer using the button. Clear the selection across all layers using the Clear all button.

## Add Data



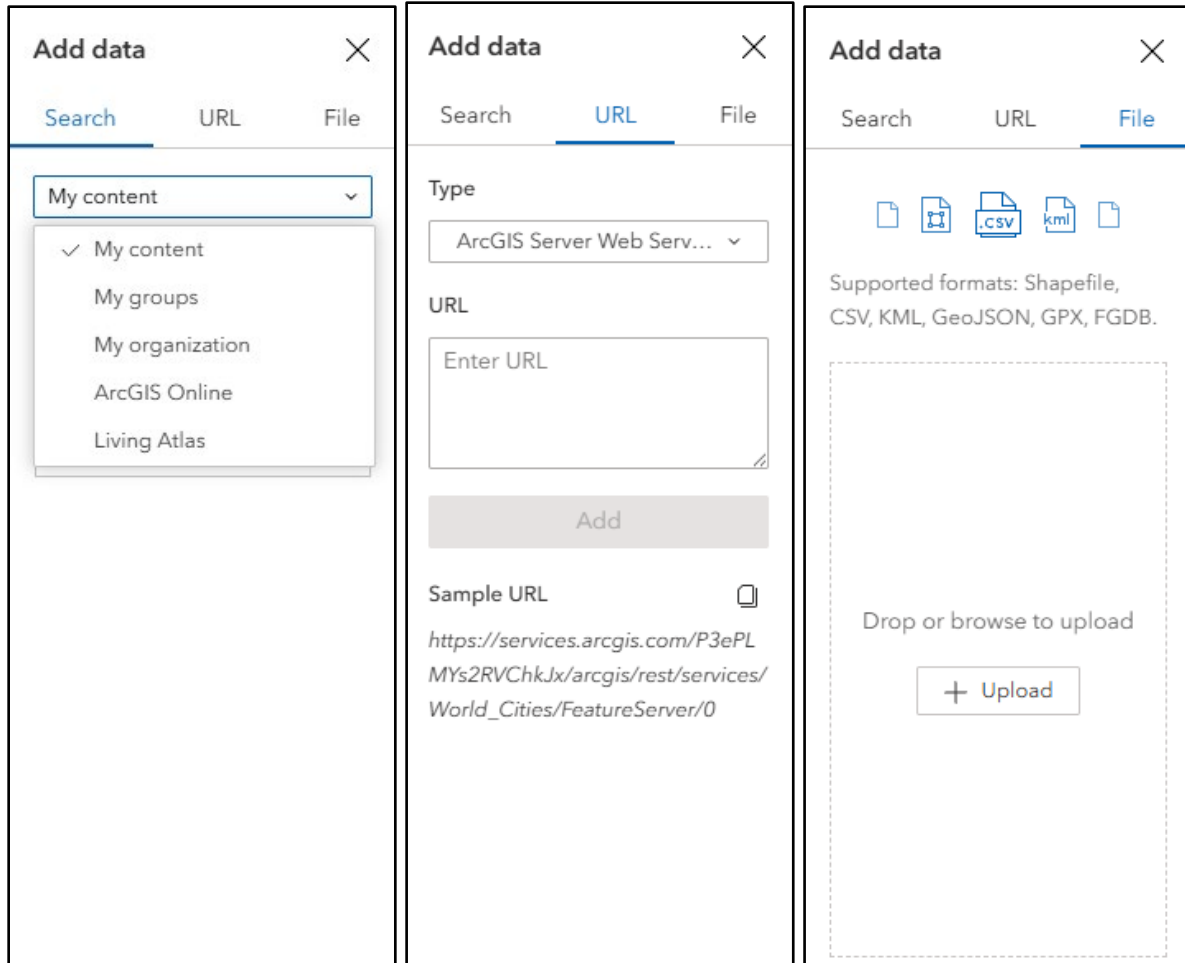
The Add Data tool lets you to add additional data (temporarily) to your *FINDER* Online session. You can search for data on ArcGIS Online, add data via a URL from a web service, or upload a file.



You can choose data from your content, your groups, or your ArcGIS Online organization. You can also choose from all public content on ArcGIS Online or content from the [Living Atlas](#).

If you are adding a URL, see the “Sample URL” in the sidebar for an example of what the URL should look like. You may find URLs for MD iMAP services [here](#). MD iMAP imagery services are located [here](#).

Add data using one of the file types listed in the tool. You may either browse to a location on your computer or drag and drop a file to upload. There is a maximum of 1,000 features that can be added from a file.



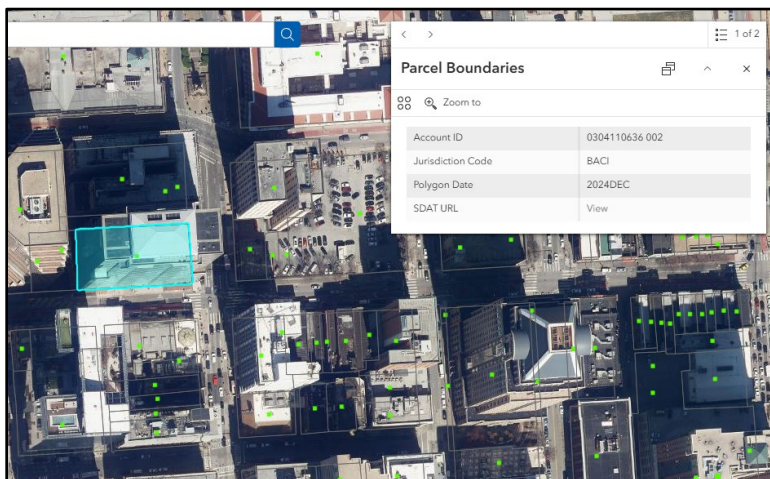
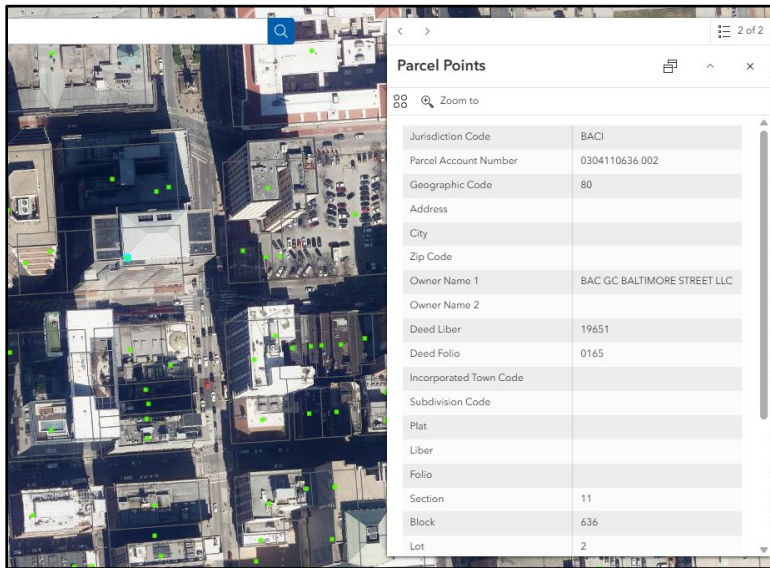
## Share



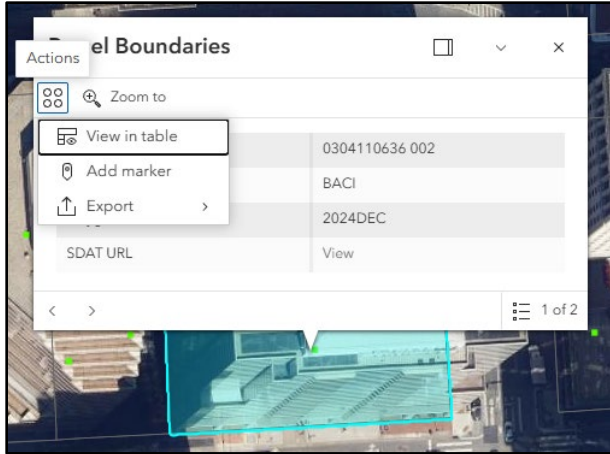
The Share tool allows you to share *FINDER* Online in several ways. You can share the application via link, QR code, email, or link to embed *FINDER* Online into a website. The link will preserve the location and layer visibility from your session.

# Data Viewing and Export

## Pop-Ups



Click on the feature in the map and a pop-up window will display attribute data for the selected feature. If you select multiple features, arrow buttons will appear in the pop-up. Use the arrow buttons to page through the pop-ups for multiple features. In the example above, there are two available pop-ups.



The pop-up includes several options. You can zoom to the selected feature or view the feature in the Attribute Table. You can also add a marker on the selected feature, or export the selected feature as a JSON, CSV, or GeoJSON.

## Attribute Table



Click the tab at the bottom center of the map frame to open the attribute tables for the following layers:

- Parcel Boundaries
- Parcel Points
- CAMA Core Characteristics

You can view these tables whether or not those layers are currently displayed in the map frame. Additional layers and features can be viewed in the Attribute Table.

Jurisdiction Code	Account ID	CM Neighbor...	Cumulative Tot...	CM Total Num...	CM Total Num...	CM Total Num...
WORC	2401000012	1010007.24	1,512.00	1	0	0
WORC	2401000020	1010007.24	1,296.00	1	0	0
WORC	2401000039	1010007.24	0.00	0	0	0
WORC	2401000047	1010007.24	3,164.00	1	0	0
WORC	2401000055	1010007.24	1,774.00	1	0	0
WORC	2401000063	1010007.24	1,768.00	1	0	0
WORC	2401000071	1010007.24	0.00	0	0	0

Total: 2,386,388 | Selection: 0

There are several options within the Attribute Table. These include buttons to refresh the table, show/hide columns, and filter by the map extent. The Actions button has additional options. You can set a filter, calculate statistics, zoom to, pan to, and export the table as a JSON, CSV, or GeoJSON.

You can select a feature by clicking on it in the table. Additional options appear along the top bar of the table for selected features. You can display the selected features in the table and clear the selection.

The Actions button includes additional options for the selected features. These include calculate statistics, zoom to, pan to, show on map, view in table, add market, and export.

# Data Sources

The list of source data used for each layer or layer group is provided below. The links contain further information about the data.

[County Boundary](#)

[Tax Map Grids](#)

[Tax Maps](#)

[Tax Maps \(Orange For Display Over Imagery\)](#)

[Parcel Boundaries](#)

[Parcel Points](#)

[CAMA Core Characteristics](#)

[Property Sales](#)

[National Register Historic Places](#)

[MD Inventory Historic Properties](#)

[ZIP Codes](#)

[Municipalities](#)

[Priority Funding Areas](#)

[Rural Villages](#)

[Generalized Sewer](#)

[Protected Lands](#)

[Land Use \(2018\)](#)

[Generalized Zoning](#)

[Census Boundaries \(2020\)](#)

[District Boundaries \(2022\)](#)

[Floodplains](#)

[12 Digit Watersheds](#)

[Broadband Service Areas](#)

[Three Inch Imagery](#)

[Six Inch Imagery](#)

[NAIP Imagery](#)

[USGS Topo Quad Maps](#)

# Tutorials

Examples of some uses for *FINDER* Online

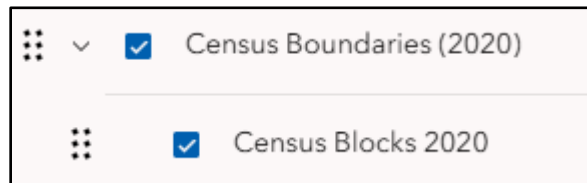
## CSV Export of Parcel Account Selection

Goal: Create a .csv file of parcel accounts located within a Census Block

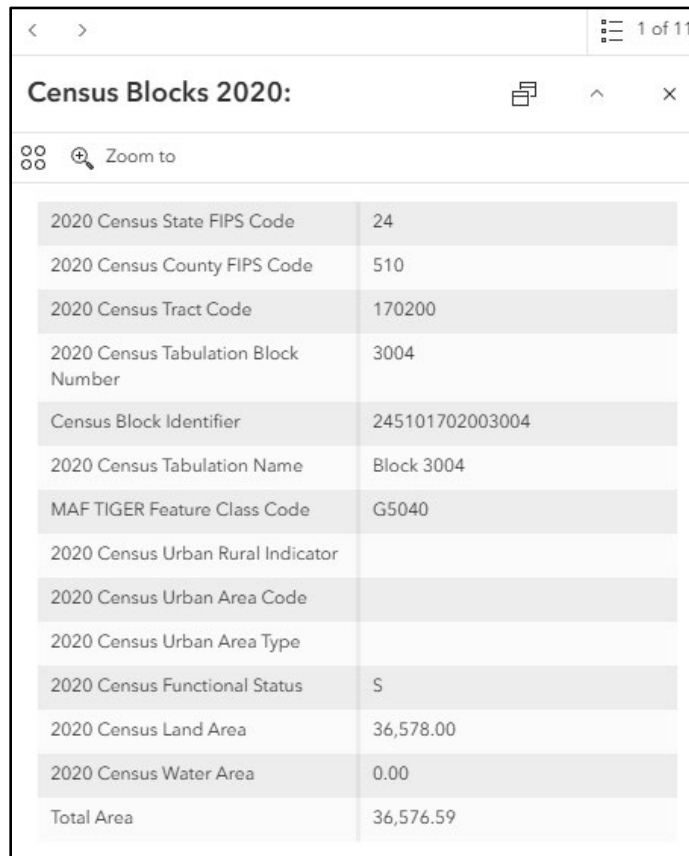
1. Open the Layer List.
2. Click check box to display the Parcel Points layer.



3. Click the dropdown to expand the Census Boundaries layer group.
4. Click the check box for the Census Blocks 2020 layer.



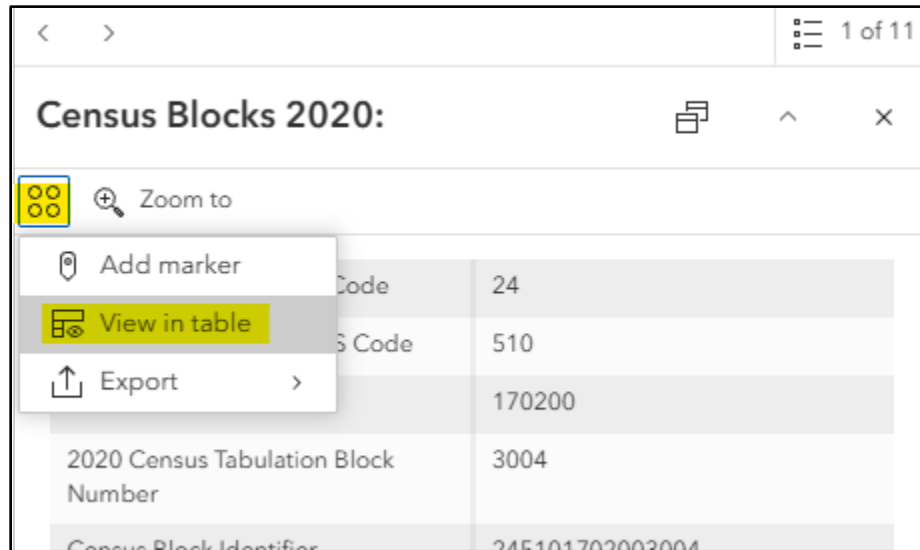
5. Click on a Census Block in the map frame to open a pop-up.



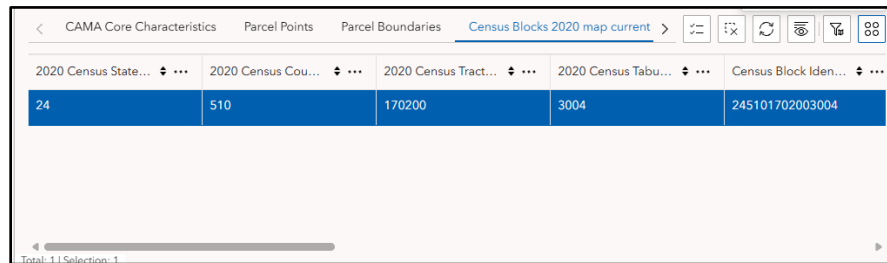
The screenshot shows a pop-up window titled "Census Blocks 2020:" with a close button (X) and a refresh button. Below the title is a "Zoom to" button with a magnifying glass icon. The main content is a table with the following data:

2020 Census State FIPS Code	24
2020 Census County FIPS Code	510
2020 Census Tract Code	170200
2020 Census Tabulation Block Number	3004
Census Block Identifier	245101702003004
2020 Census Tabulation Name	Block 3004
MAF TIGER Feature Class Code	G5040
2020 Census Urban Rural Indicator	
2020 Census Urban Area Code	
2020 Census Urban Area Type	
2020 Census Functional Status	S
2020 Census Land Area	36,578.00
2020 Census Water Area	0.00
Total Area	36,576.59

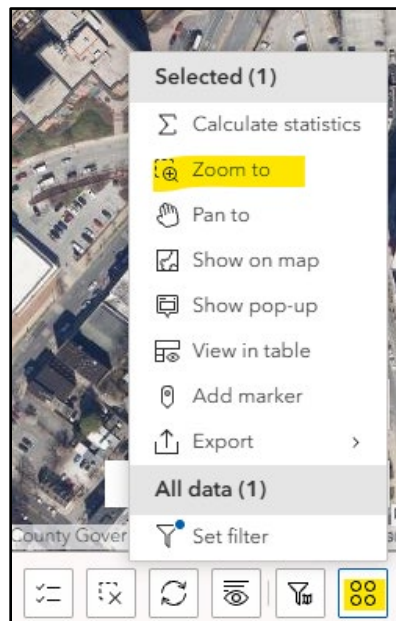
- Click the Actions button within the pop-up, then click View in table.



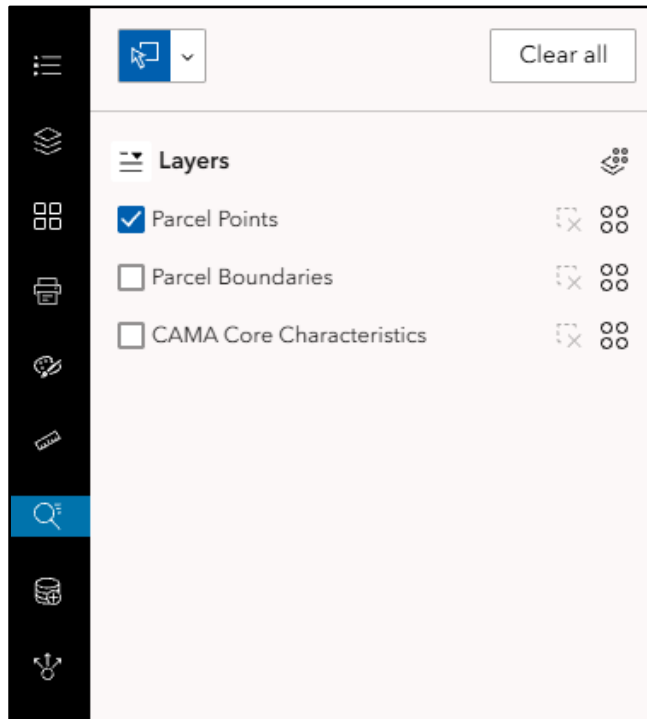
- Close the pop-up and open the attribute table.
- Select the feature row to highlight the Census Block in the attribute table.



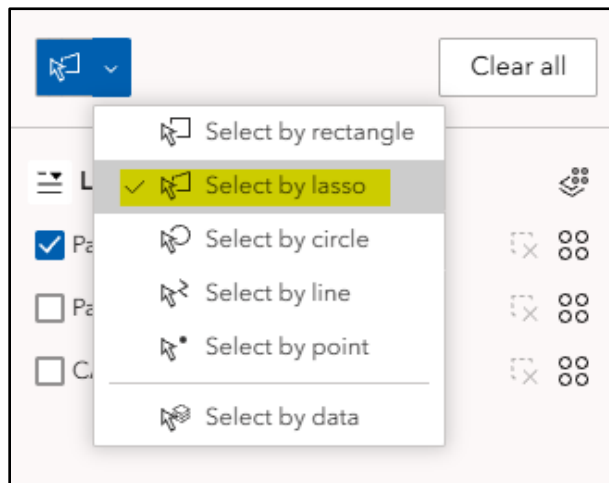
- Click the Actions button within the attribute table, then click Zoom to.



10. Open the Select tool in the lefthand menu of the page.
11. Check the Parcel Points layer.



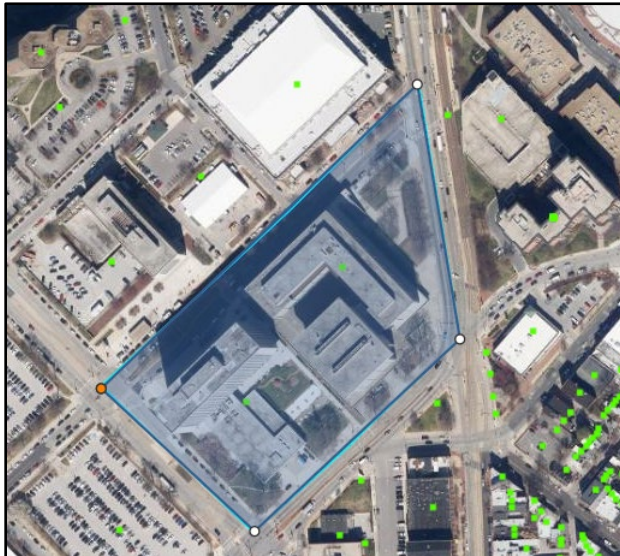
12. From the dropdown, click Select by lasso.



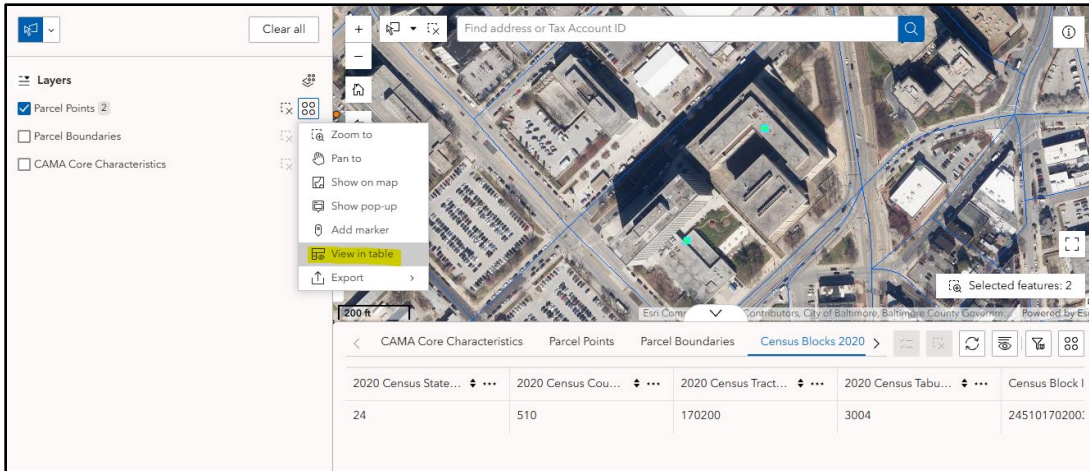
13. Draw a polygon around the outline of the selected Census Block polygon. You may need to zoom and pan while doing so to achieve the desired level of accuracy.



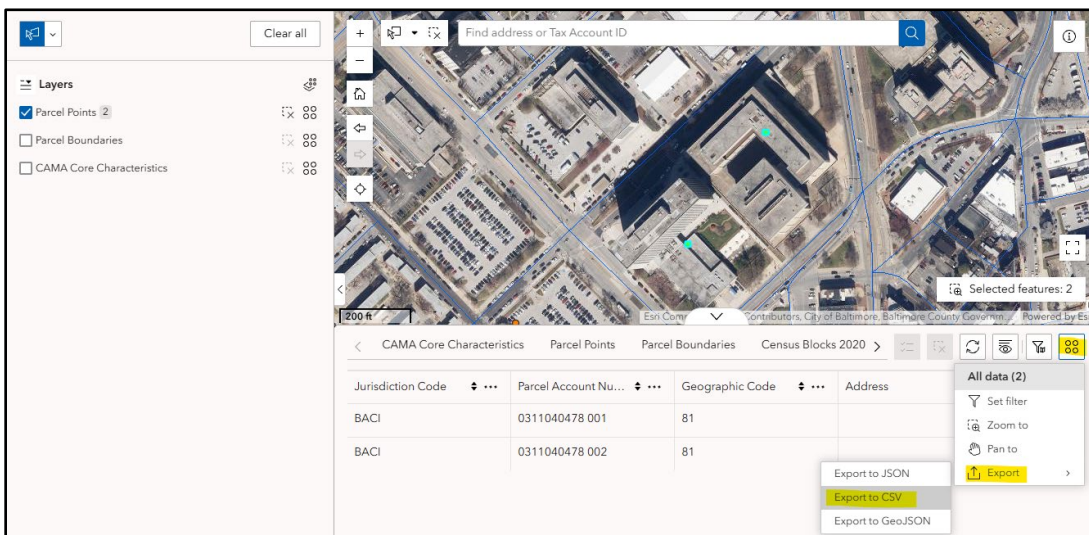
14. Double click to end the sketch.



15. Review the attribute table for the selected parcel points.



16. Click the Actions button, then under All data, click Export, then Export to CSV.



17. The export will automatically download to your computer.

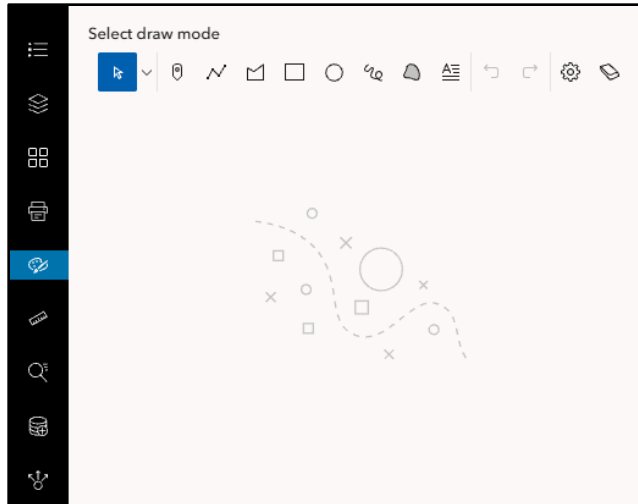
18. The file will likely be in your Downloads folder, and named "Parcel Points.csv". The location of the saved file may depend on your browser settings.

## Drawing and Map Export to Image/PDF

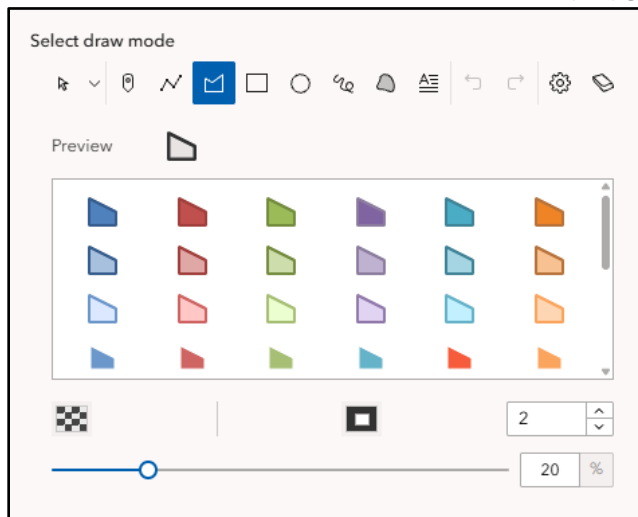
Goal: Export a PDF of an area of interest

Drawing shapes in the map allows the user to generate their own custom map for export and printing.

1. Open the Draw tool.



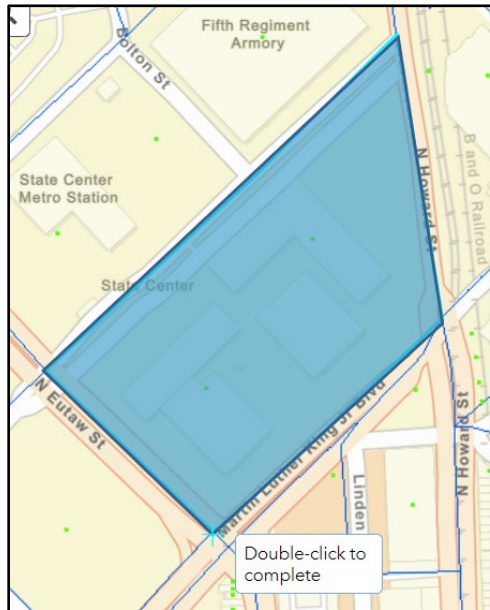
2. Under Select draw mode, choose the Draw a polygon option.



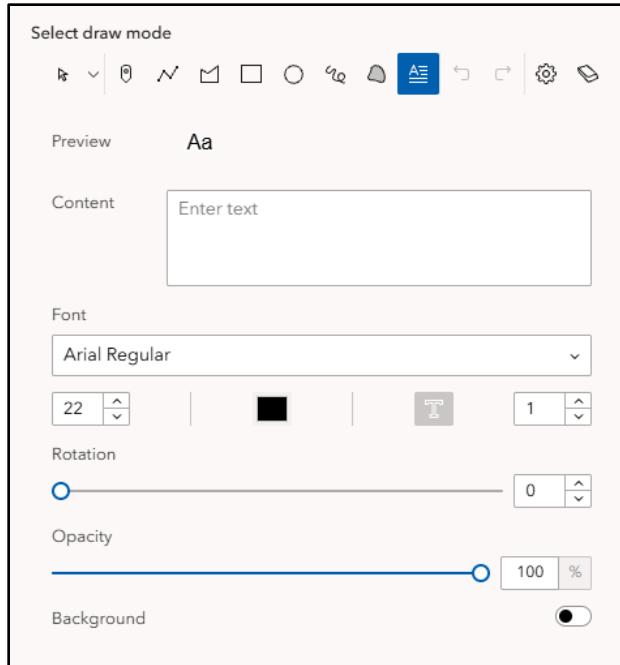
3. Choose from the default symbology options or customize your own. Change the color of the fill and outline, the outline width, and the transparency.
4. Draw a polygon on the map.



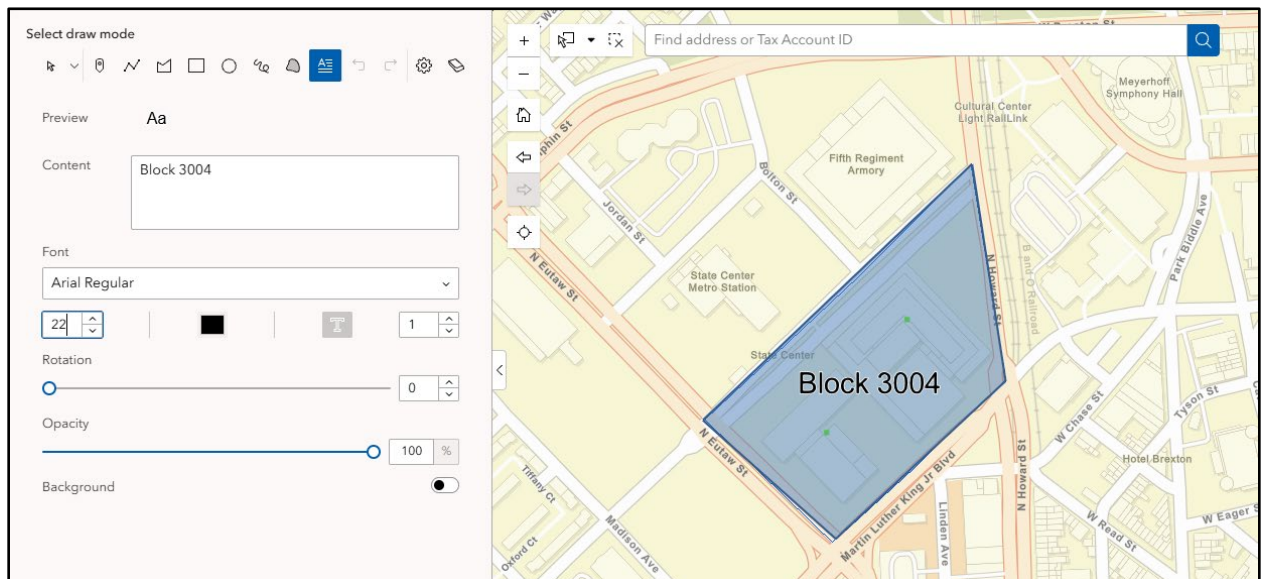
5. Double Click to end sketch



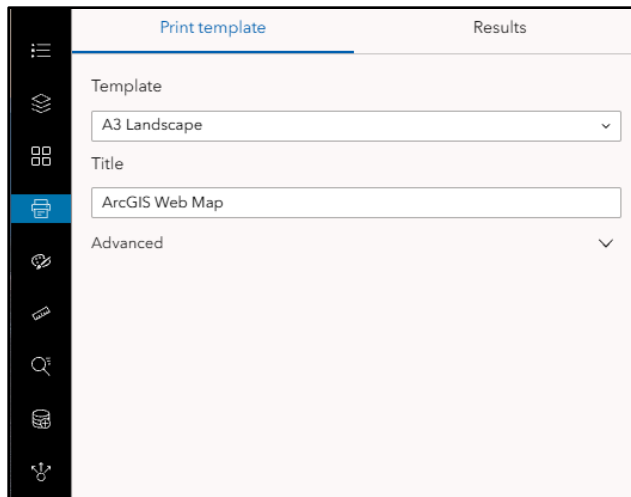
6. Add text using the Draw text option under Select draw mode. Enter the text into the Content box. You can edit the font, rotation, opacity, and background of the text.



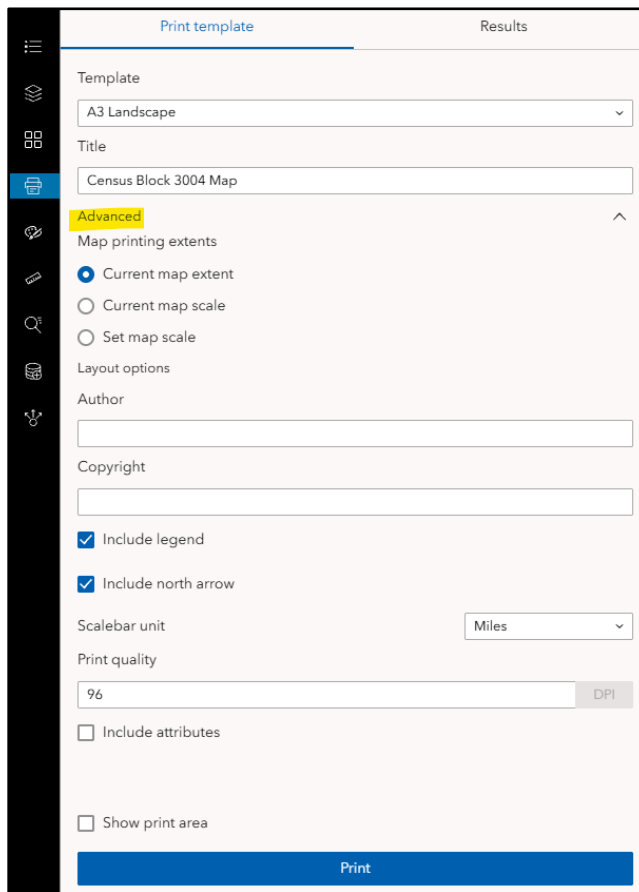
7. Click on the map to place the text.



8. Zoom to the extent that you would like to print. Opening the Print tool affects the map layout, so you may want to adjust the extent just before printing. Tip: You can click on a feature and use the Zoom to option in the pop-up to zoom and center the map extent on that feature.
9. Open the Print tool.
10. Select a template and add a title to the map.



11. Click the Advanced dropdown for more options.



12. When ready, click Print.

13. The document will appear in the Results tab and will be available for download. Depending on the options selected, the output will look something like this:

