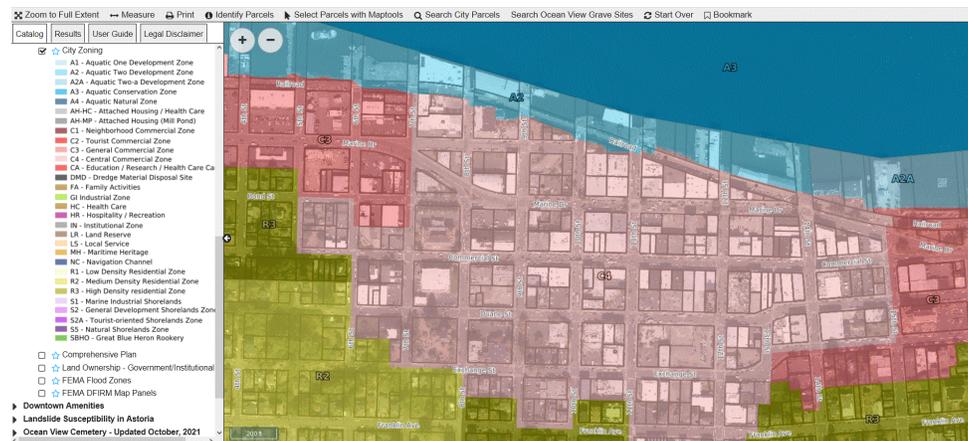


CITY OF ASTORIA GIS SUPPORT

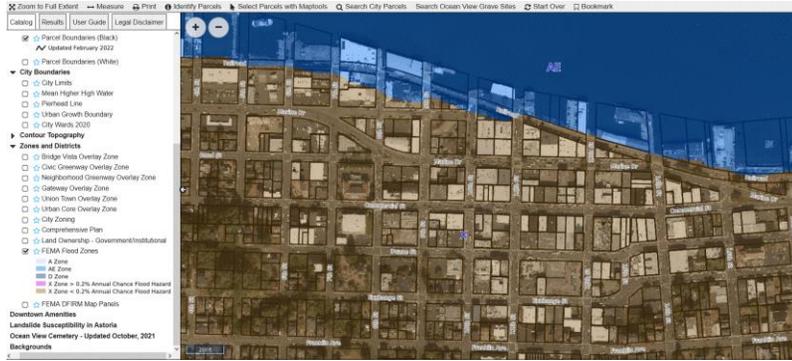
Desktop Web Version User Guide

Introduction

The city of Astoria has produced this data viewer to help you interact with GIS data that originate from a variety of sources. GIS data are presented as a catalog where individual layers can be checked on or off according to your desire. The catalog contains taxlots illustrated lines. Taxlot labels can be added by checking the box on the corresponding layer and an address, taxlot number or lot size text will appear in the center of each taxlot. Following the sections presented below, you will be able to perform many functions such as selecting one or a group of taxlots. Producing lists containing taxlot attributes in a column. Printing a map. A link to the Clatsop County Assessor is available any time by clicking on the underlined blue taxlot number hyper-text. You can draw new features or upload existing features of your own into the surface of the map using drawing and mark-up tools.



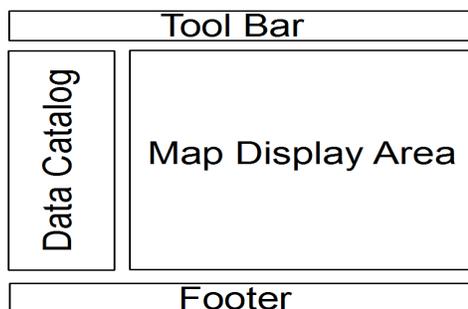
The data catalog provides a variety of data overlays that are often transparent. For example, city zoning is presented as a colorful and transparent overlay containing a label indicating the zoning classification. Selecting a feature on the map while the zoning layer is on produces a zoning attribute in the column to the right of the map. Selecting the zoning link located under the description will open a full description of the zoning type in a new window.



FEMA Flood Zones are presented as a colorful transparent layer. Selecting FEMA Flood Zones will produce an attribute in the list located to the right of the map. Several layers of air photos and historic air photos are available in the catalog ranging in age from 1966 to 2021.

Page Layout

The data viewer is comprised of four parts: the *Tool Bar*, *Map Display*, *Table of Contents* and *Footer*. The *Map Display* is an interactive map which allows you to visualize the data layers. There are two types of tools found on the *Tool Bar*, Navigation and Action. The first tab in the *Table of Contents* section is the *Catalog*. The *Catalog* shows a list of folders that house the data layers you can add (turn on and off) in the *Map Display*. Additional tabs are added to the *Table of Contents* section as you use different tools in the *Tool Bar*. The *Footer* displays the current location shown of the *Map Display* both x and y coordinates and in latitude and longitude. The *Footer* also displays the current scale of the *Map Display*.



Navigation Tools

The cursor allows you to re-center the map without zooming in or out. To pan, click on the map at the point you wish to be the center of the map or press and hold the left mouse button down and drag the map to the desired location and release the left mouse button.



The *Zoom In* tool allows you to zoom in to an area smaller than the area currently visible on the map window. To zoom in to a specific area of interest, click the *Zoom In* button in the *Tool Bar* and move your cursor to a corner of the map you wish to zoom to. You can also press and hold the left mouse button and drag a rectangle around the area of interest. When you have defined the zoom-to area, release the left mouse button. The map will zoom into the area you designated. Alternatively you can click anywhere on the map which will zoom the display to that specific location.



The *Zoom Out* tool allows you to zoom out to an area larger than what is currently visible on the map window. To zoom out, click the *Zoom Out* button in the *Tool Bar* and then click on the map at the spot in which you want to zoom out from. The map will zoom out and re-center on that point. Alternatively you can click and drag the zoom out window. When you have defined the zoom-out area, release the left mouse button. The map will zoom out around the area you designated.

Catalog Tab

▼ **Drawing and Mark-up**

☆ Drawing and Markup



The **Drawing and Markup** layer can be used to add user defined shapes to the map.

 **Drawing**

- ▶ **Address Data**
- ▶ **Buildings and Parcels**
- ▶ **City Boundaries**
- ▶ **City Parks**
- ▶ **Contour Topography**
- ▶ **Watersheds**
- ▶ **Historic Buildings**
- ▶ **Landslide Susceptibility in Astoria**
- ▶ **Environmental Hazards**
- ▶ **Property and Special Conditions**
- ▶ **Downtown Amenities**
- ▶ **Roads**
- ▶ **City Signs**
- ▶ **Utilities**
- ▶ **Water Consumption**
- ▶ **Zones and Districts**

The first tab in the *Table of Contents* is the Catalog tab. The Catalog is where you can access and activate data layers to view in the *Map Display*. Folders in the catalog categorize data layers by how that information is related to city planning. The top level folder categories are: City and Urban Growth Boundaries, Regulatory Layers including city zoning, Planning Inventories, and base air photos. Click on the folder name to expand its contents. Within these top level folders there may be additional folders to further sort the data layers into groups. Data layers can be activated to view in the *Map Display* by clicking the box next to the layer

adding a check mark. Multiple data layers can be checked at the same time, but only one base map can be active at a time. Once you click a data layer, it will draw in the *Map Display*. You may have to zoom in on the *Map Display* to see the labels for the active layer. In the Catalog tab, below an active layer some additional information may become available. Along with the data layers legend, a small Information Button will also appear.

The opacity of transparent overlay layers can be controlled using a fade/un-fade tool that is located under each layer. Transparent layers are by default given a certain amount of transparency that can be changed using this tool.



The *Search Catalog* box appears at the top of the Catalog. It can be used to quickly find the layer you are looking for by typing in a portion. For example 'zoning' will return every layer containing that theme in its name.

Results Tab

The *Table of Contents* will be hidden if you click on the Results tab. Once the *Table of Contents* is hidden. Clicking on this button again will make the tabs visible again. The Results tab generally opens automatically as a result of using an Action Tool such as Identify, Select or Search. Items appearing in the Results are listed and can be removed or reset by clicking on the trash can in the Results banner at the top of the Results section

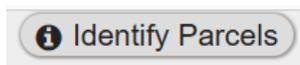
User Guide Tab

The *Table of Contents* will be hidden if you click on the help tab. Once the *Table of Contents* is hidden, the User Guide content will be displayed

Legal Disclaimer Tab

The *Table of Contents* will be hidden if you click on the Disclaimer Tab. Once the *Table of Contents* is hidden, the Disclaimer content will be displayed

Action Tools



The *Identify* tool will allow you to find out more information about a geographical feature in the layers that you have activated. Click the *Identify* tool and you will see a new tab open in the *Table on Contents*.

Catalog	Results	User Guide	Legal Disclaimer
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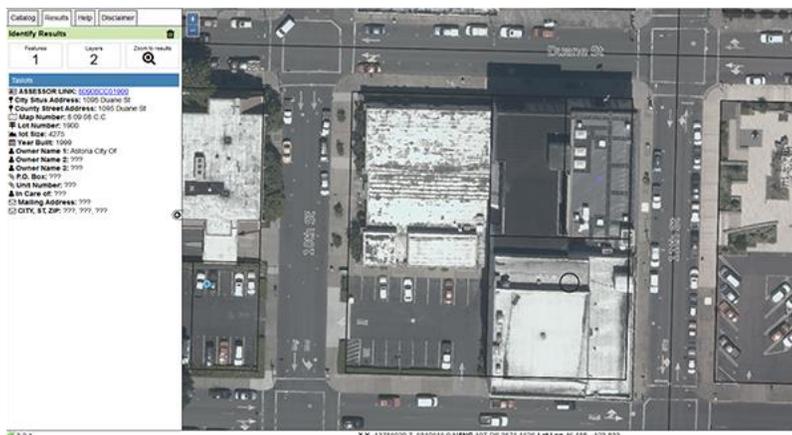
Identify

Draw Point

CLOSE

GO

When the new identify window opens in the Results Tab, click on the map and draw a single point on the feature you want to select and click Go. The results will be displayed in the Results box.



Any additional information available about that feature will be displayed in the Identify tab.

↔ Measure

The *Measure* tool allows you to measure the length of a line or the area of a polygon. Click on the *Measure* tool in the Tool Bar. A new measurement tab will open in the Table of Contents section of the viewer.

Catalog	Results	Help	Disclaimer
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Use **Draw line** to measure distances and **Draw Polygon** to measure areas.

- Draw Point
- Draw Line
- Draw Polygon
- Select from:

Units:

- Meters
- Kilometers
- Feet
- Miles
- Chains

Please draw a feature on the map to measure.

First, select your measurement units. Begin measuring by clicking the mouse at the start of the line you would like to measure in the Map Display. Double click the mouse to finish measuring. The results of each line length along with the compass bearing of each line are shown at the bottom of the results tab.

	Segment Length (ft)	Bearing
Σ	529.57	
7	46.03	Due North
6	47.52	N68-11-54W
5	42.94	N71-33-54W
4	63.26	N77-36-16W
3	45.52	N88-17-24W
2	90.07	S1-43-21W
1	194.23	S89-23-56E

The *Draw Polygon* tool displays the area of a feature you measure. Click on the *Draw Polygon* option in the *Tool Bar*. A new area section will open below the *Table of Contents* section of the viewer. First, select your measurement units. Begin measuring by clicking the mouse at one corner of the area you wish to measure in the *Map Display*. Continue to click at each corner of the feature and double click to finish measuring. The results are shown at the bottom of the Results tab.

Area (sq. ft)

36046.54

Clicking on the Select Tool opens a new dialog box that contains some options



You can select features with the select tool by drawing a graphic that you select from the menu of options.

Select

Select from

Parcels ▼

Using

- Draw Box
- Draw Point
- Draw Multi-Point
- Draw Line
- Draw Polygon

Feature from: Results ▼

- Modify Feature

With buffer

0 Feet ▼

CLOSE

GO

After you have made a selection, press the "Go" button.



Your results will appear in a list at the bottom of the map. Each field of information can be further sorted or filtered. You can create a list of features based on a graphic or a buffer around a graphic or selected tax lot

using the *Select Features* tool on the *Tool Bar*. The first step is to activate the tax lot layer. Then click on the *Select Features* button and indicate how you would like to select the features, point, line or polygon in the *Table on Contents* Select Features Tab.



Then in the *Map Display*, select the tax lot of interest. Next click on buffer these results in the *Select Features* tab. Enter in the distance of your buffer in the buffer feature by box, select the desired units in the drop down box, and click "Go".

The *Clear Selection* button allows any highlighted feature to be cleared and removed from the map. This can be helpful after any of the interaction tools are used. Use the *Select Results* Trash Can on the green banner to remove any selected features



The *Search* Tool operates as a way to find what your looking for by entering a piece of the tax lot id numbers or owners name or situs address into the dialog window. The following rule applies: The less you type, the more results you get and alternatively, the more you type, the fewer results you get.

Catalog	User Guide	Results	Disclaimer
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Search

Owner Name

Parcel Number

City Situs Address

⊗ CLOSE **▶ GO**

After entering information into the Search dialog box, click on the "Go" button where the results will appear in the Results Tab.

Search Results



Features

523

Layers

1

Zoom to results



Clatsop County Taxlot Information

- TAXLOT ACCOUNT LINK:** [50769](#)
- TAXLOT NUMBER:** 810130001500
- TAXLOT ACCOUNT ID:** 50769
- SITUS CITY:** ???
- SITUS ADDRESS:** 480 Industry St
- MAPNUM:** 8.10.13
- TAXLOT:** 1500
- GIS SQ FT AREA:** 52280
- GIS ACRES AREA:** 1.20
- YEAR_BUILT:** 2001
- OWNER_LINE:** Astoria City Of

Clear your search before performing a new search by clicking on the trash can located at the top right hand side of the Search Results window. After clicking a new button will appear below.

Search Results



Click on the CLEAN PREVIOUS SELECTION button to clear your previous search results and simultaneously refresh all of the records for a new search. If you use the IDENTIFY map tool, you will need to clear the previous search or no results may appear in subsequent searches



CLEAR PREVIOUS SELECTION

Find Me

Click the Find Me tool to automatically have the map pan to your present location. If the map does not pan directly to your location, it may be due to internet connections.

Drawing and Mark-up Tools

Add Polygon, Add Line, or Add Point

To draw a new feature on the map, open the *Draw Tools* drop-down on the top of the Catalog. You can add a check mark next to Add Polygon, Line, or Point. After selecting a draw tool, click on the map where you would like your first corner on the drawing to appear. Move the mouse to draw your shape, clicking each time you want a vertex created. Double-click to finish the drawing.



▼ Drawing and Mark-up

☆ Drawing and Markup



The **Drawing and Markup** layer can be used to add user defined shapes to the map.

 **Drawing**

Zoom to Features Extent



Click to zoom to the full extent of a mark-up feature in an individual sketch

Add Features from File



Click on this tool to add features from a file

Download Features to a File



Click on this tool to download features to a file

Add a Point Mark-up Feature



Click on this tool to add a point feature in the form of a mark-up graphic

Add a Line Mark-up Feature



Click on this tool to add a line feature in the form of a mark-up graphic

Add a Polygon Mark-up Feature



Click on this tool to add a polygon feature in the form of a mark-up graphic

Edit Mark-up Features



This tool allows you to edit the shape of polygons and lines, as well as move point sketches. After selecting this tool, click on the object you would like to edit. Blue circles will appear on the drawing indicating locations you may use your mouse to move the location of a vertex or add a new one. Once you are finished with your editing, click off the drawing object to complete the task.

Remove a Feature from the Mark-up Layer



Click on this tool to select and remove a mark-up graphic

Clear All Features from the Mark-up Layer



Click on this tool to remove all mark-up graphics



The *Print* Tool will allow you to create a PDF map of the current layers displayed in the *Map Display* which you can print or save. Activate the layers you would like to have displayed in your printed map and click on the *Print* tool in the *Tool Bar*. A Print tab will open in the *Table of Contents*.

Print

Map title:

Page layout:

Resolution:



You will have several options to customize the map. Create a Map Title, and set the Output Template in Portrait or Landscape. Adjust the image quality by selecting Normal, Higher or Highest print resolution. Press the Print tab and wait a few moments. A PDF map will be created. Clicking on the download PDF will open the map in a new tab in your browser. Generating a map can take between 1 to 2 minutes. Once the map is created, save or print the PDF map to share your mapping results.

Ocean View Cemetery

Some of the information content of Ocean View Cemetery can be searched and mapped using this GIS Application. Ability to open PDF documents.

Search

Grave Permit Number

Last Name

First Name

Date of Birth



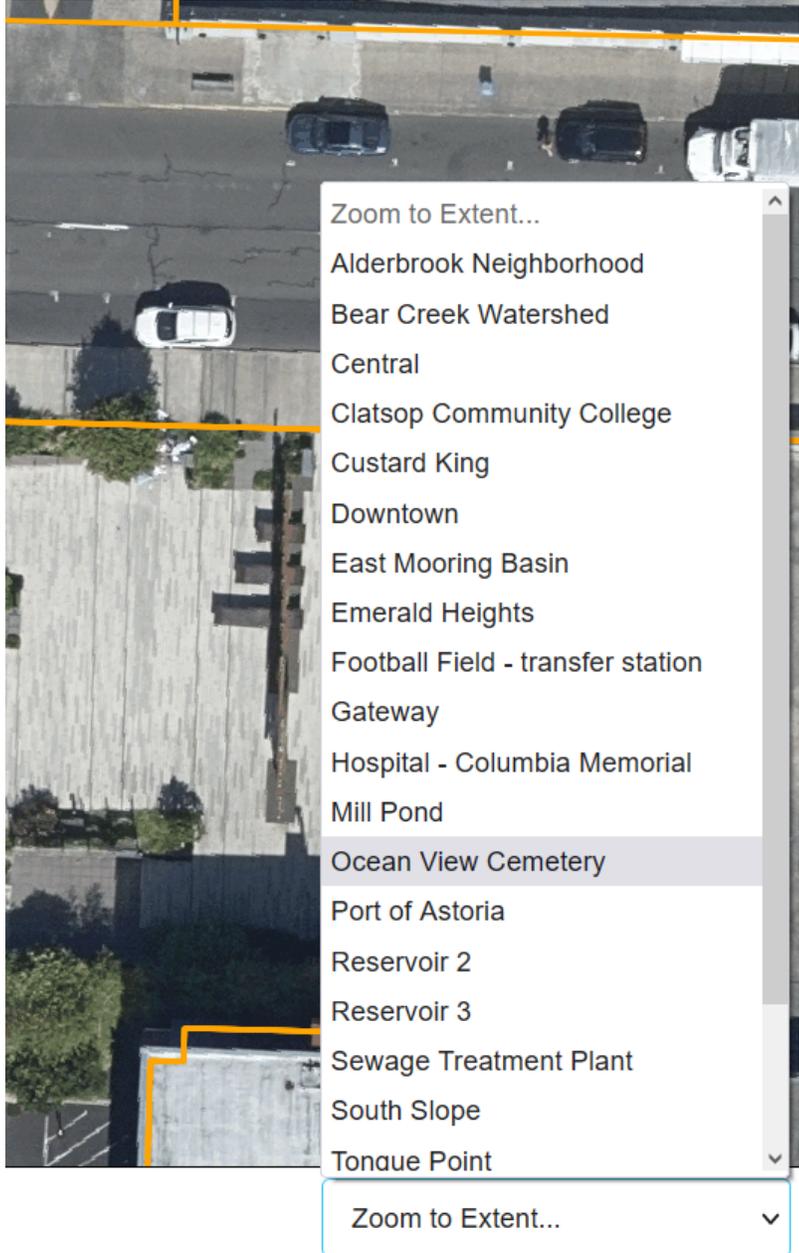
Date of Death

Close

Go

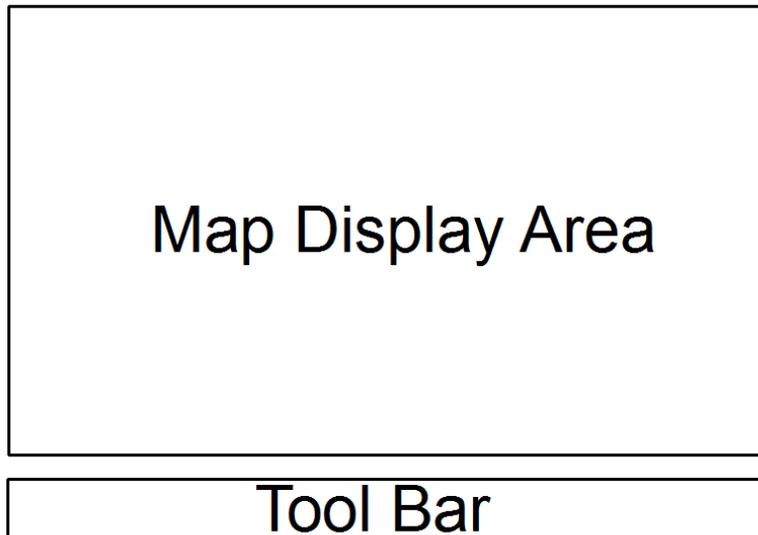
Using the Search Tool, select search for Ocean View Graves. A window will open in the Results Tab containing search boxes where you can input information that can be used to search the grave site database maintained by the city. Options include: Grave Permit Number, Last Name, First Name, Date of Birth using the format: 07/04/1876 and Date of Death using the format 07/04/1976

To view the Cemetery Map, open the Zoom to Extent box located on the lower right of the screen. Choose Ocean View Cemetery and the map will pan to the cemetery.



Mobile GIS Web Application

The mobile GIS application is a lighter version of the GIS desktop application and is intended for use on a mobile device. This version contains same data catalog as the desktop, with fewer map tools. The mobile version contains two main components, a map display area and a tool bar containing five tools. The map will appear at the start, selecting a tool hides the map display and displays the tool.



Show Map Tool



This tool when clicked always returns the map display area back to the map.



Show Catalog Tool



This tool when clicked will hide the map display in exchange for a catalog containing a complete list of available layers. Checking the box adjacent to the layer name will turn it on.



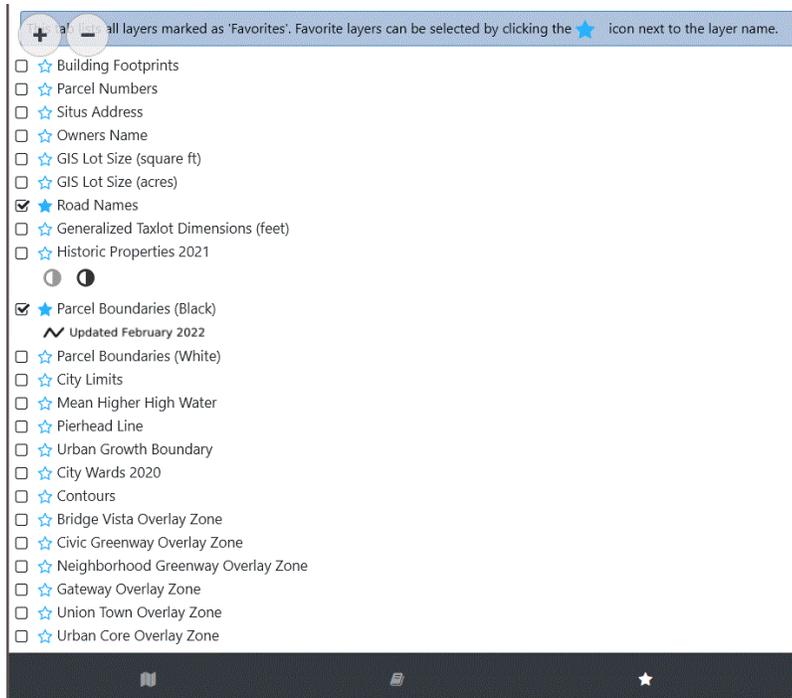
Overlays

- ▼ Buildings and Parcels**
 - ☆ Building Footprints
 - ☆ Parcel Numbers
 - ☆ Situs Address
 - ☆ Owners Name
 - ☆ GIS Lot Size (square ft)
 - ☆ GIS Lot Size (acres)
 - ☆ Road Names
 - ☆ Generalized Taxlot Dimensions (feet)
 - ☆ Historic Properties 2021
 -
 - ☆ Parcel Boundaries (Black)
 - Updated February 2022
 - ☆ Parcel Boundaries (White)
- ▶ City Boundaries**
- ▶ Contour Topography**
- ▼ Zones and Districts**
 - ☆ Bridge Vista Overlay Zone
 - ☆ Civic Greenway Overlay Zone
 - ☆ Neighborhood Greenway Overlay Zone
 - ☆ Gateway Overlay Zone
 - ☆ Union Town Overlay Zone
 - ☆ Urban Core Overlay Zone
 - ☆ City Zoning

Show Favorites Tool



This tool when clicked will hide the map display in exchange for a condensed version of the catalog containing a complete list of available layers. Checking the box adjacent to the layer name make it a favorite.

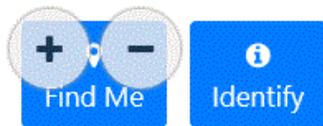


Show Tools



This button, when clicked will hide the map display in exchange for a screen containing two important map tools: Identify and Find Me. Checking the Identify tool will exchange the display back to the map where the map can be clicked to reveal a map feature attribute in a window that hides the map. Clicking on the Show Map tool will return the display back to the map.

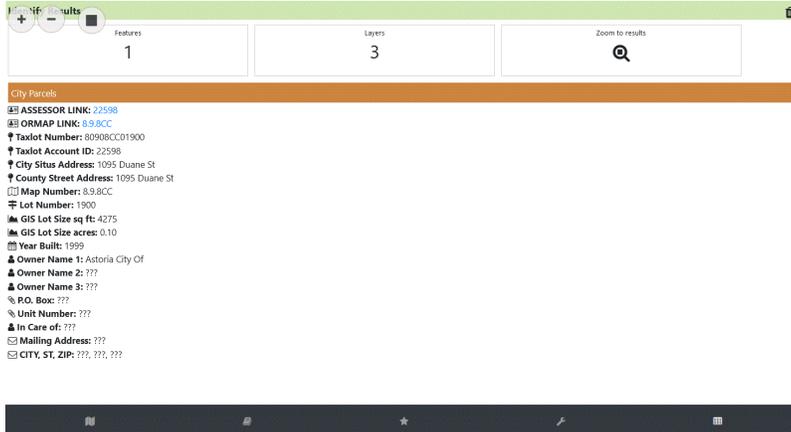
The Find Me tool may ask you for permission to use your mobile devices location or phone GPS. Accepting that, will pan the map to your location or in some cases close to your location.



Show Results Tool



This tool when clicked will hide the map display in exchange for a results page where the results from the identify tool will be placed.



Legal Disclaimer

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If you have questions or comments, please contact us:

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