

# ArcGIS Experience Builder Developer Edition 1.12

## Complete Tutorial – Part 2

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## Overview

For **Part-1** of the Experience Builder Developer Edition 1.12 Tutorial please refer to:

<https://daviddas2.github.io/exb/part1.pdf>

In **Part-2**, you will learn how to add the Table and Query Widgets and configure them.

## Start a new Experience Builder Session

Before you can launch a new Experience Builder session, you must start the npm Server process.

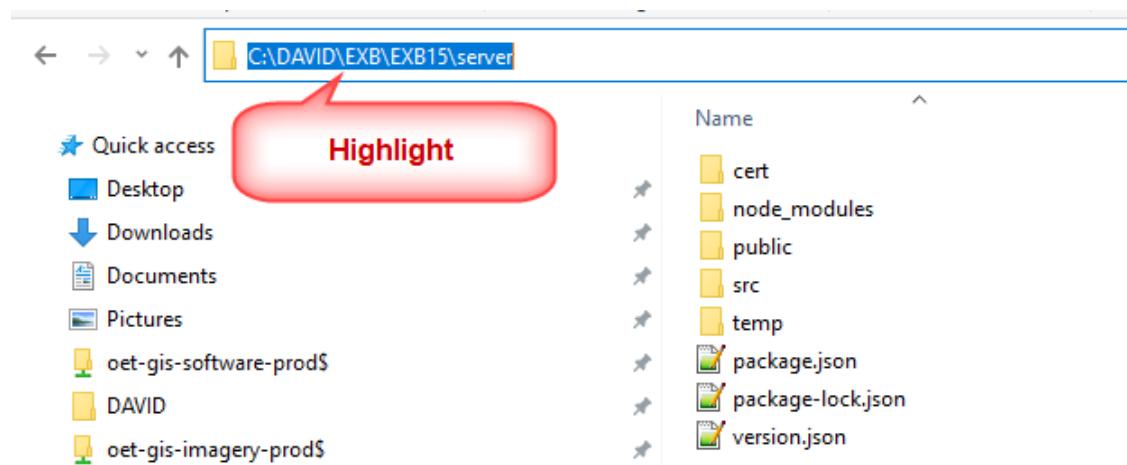
**Note:** There is no need to start the npm Client process unless you are adding Custom Widgets.

Navigate to C:\DAVID\EXB\EXB15

client	9/4/2023 6:54 PM	File folder
server	9/4/2023 7:57 PM	File folder
3rd-party-license.txt	9/4/2023 4:52 PM	Text Document 68 KB
readme.txt	9/4/2023 4:52 PM	Text Document 1 KB
version.json	9/4/2023 4:52 PM	JSON File 1 KB

Open the server folder.

Highlight the path and enter cmd

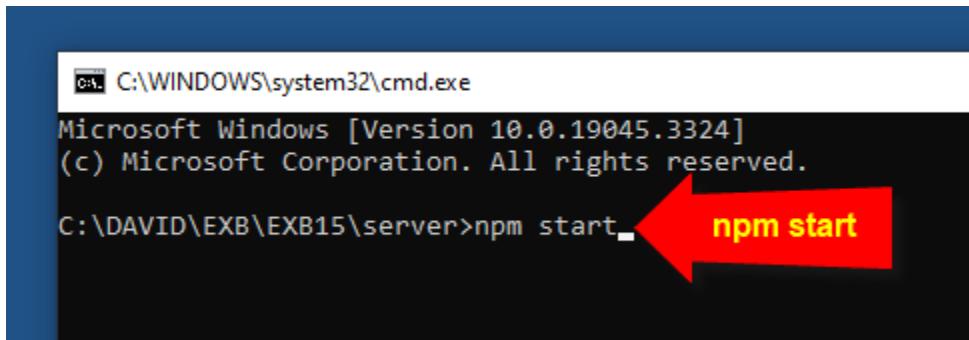


This will open a Command Window with the correct path:

```
C:\> C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\DAVID\EXB\EXB15\server>
```

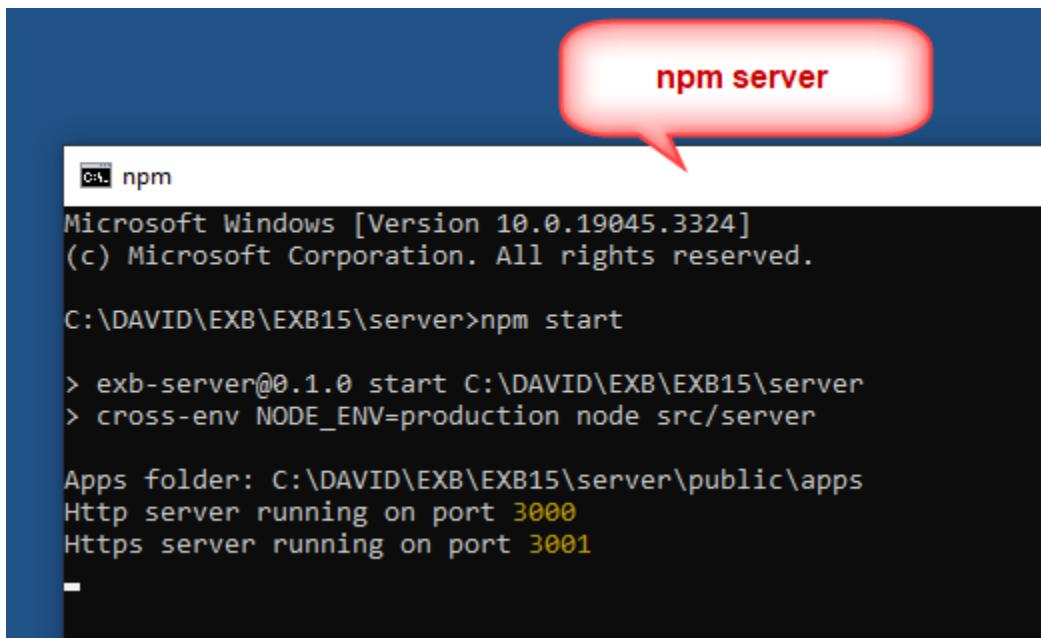
Enter **npm start**



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\DAVID\EXB\EXB15\server>npm start
```

This starts the npm server process.



```
npm
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\DAVID\EXB\EXB15\server>npm start

> exb-server@0.1.0 start C:\DAVID\EXB\EXB15\server
> cross-env NODE_ENV=production node src/server

Apps folder: C:\DAVID\EXB\EXB15\server\public\apps
Http server running on port 3000
Https server running on port 3001
```

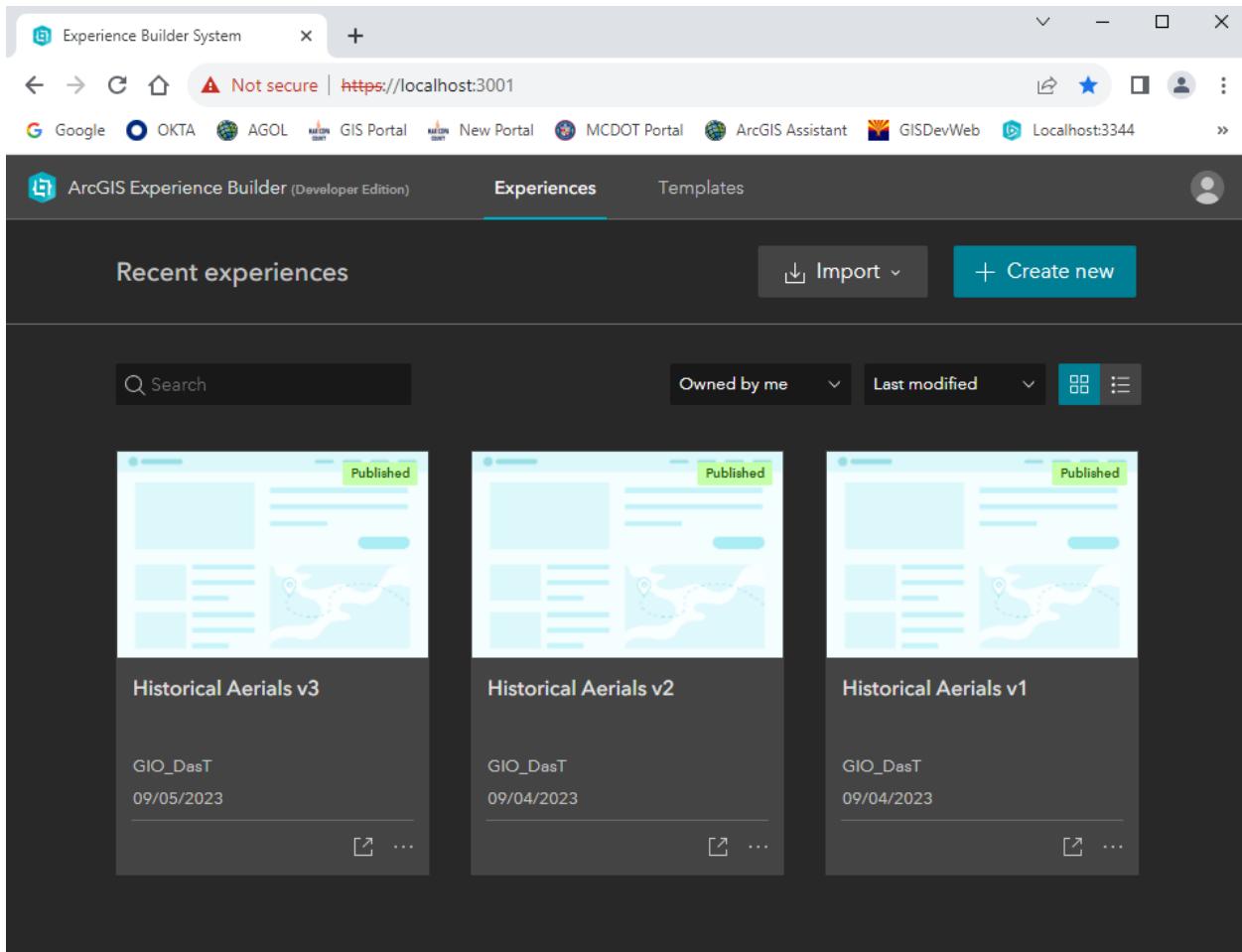
Open Chrome and enter:

<https://localhost:3001>

This launches the Experience Builder.

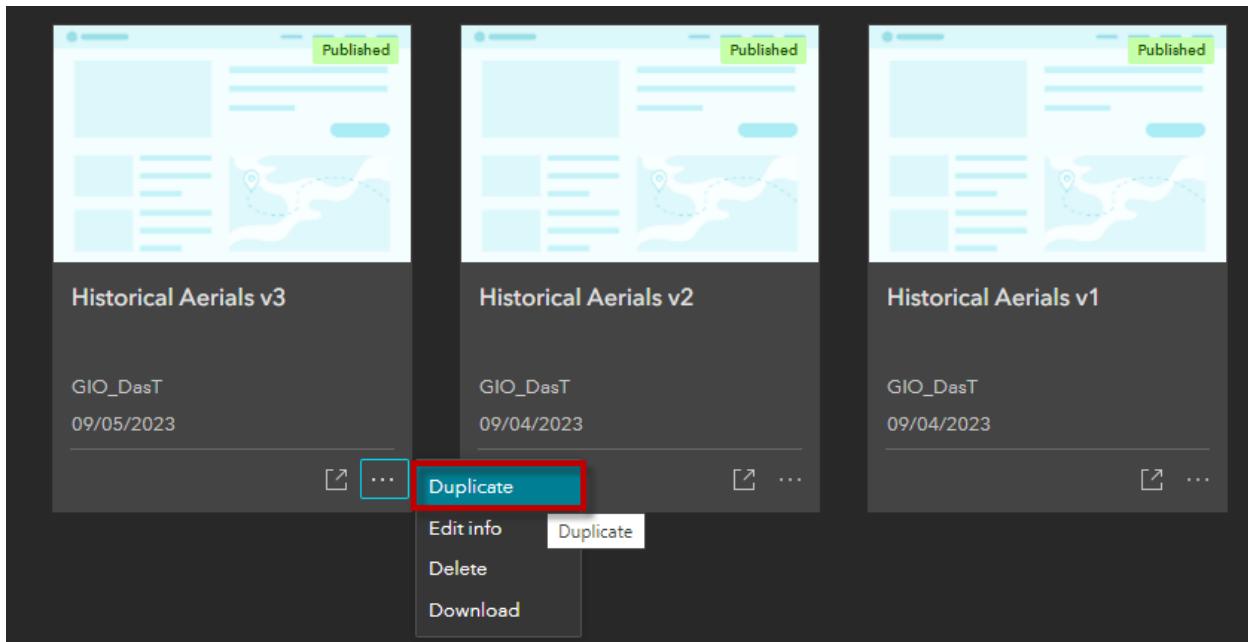
It does not ask you to reenter your credentials.

You are back to where you left after taking your break.

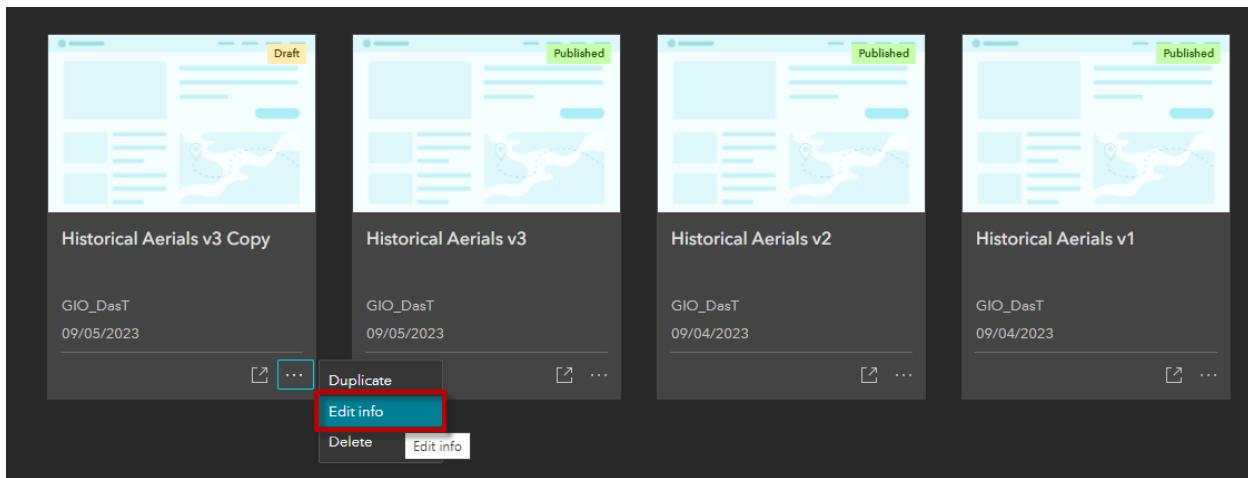


## Create Historical Aerials v4

Duplicate Historical Aerials v3 to create Historical Aerials v4

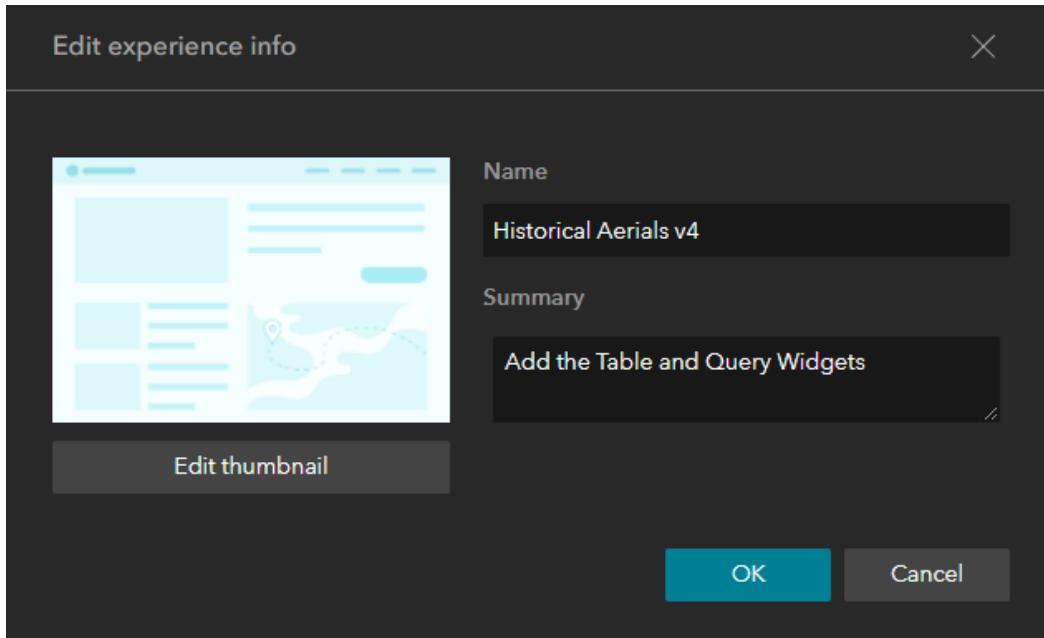


Edit Info

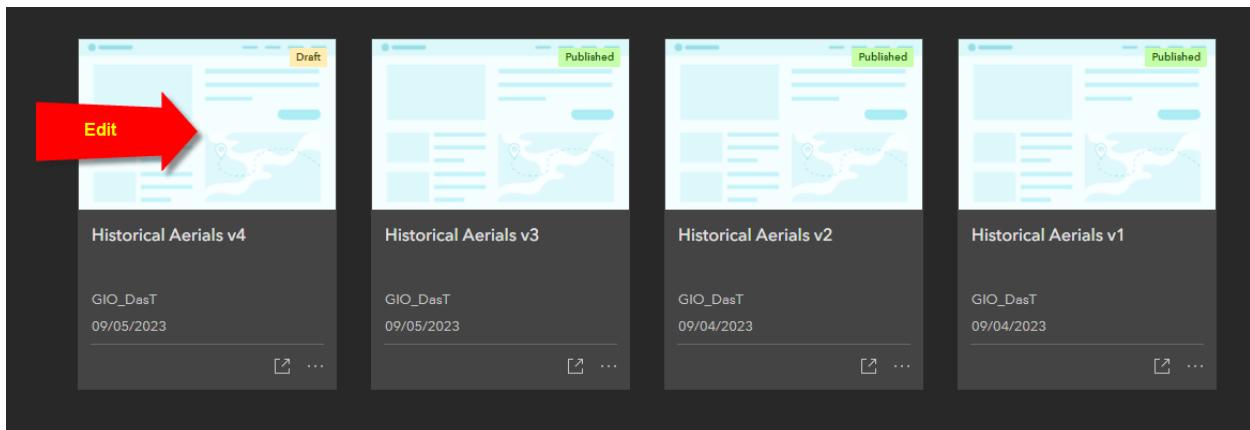


Name = Historical Aerials v4

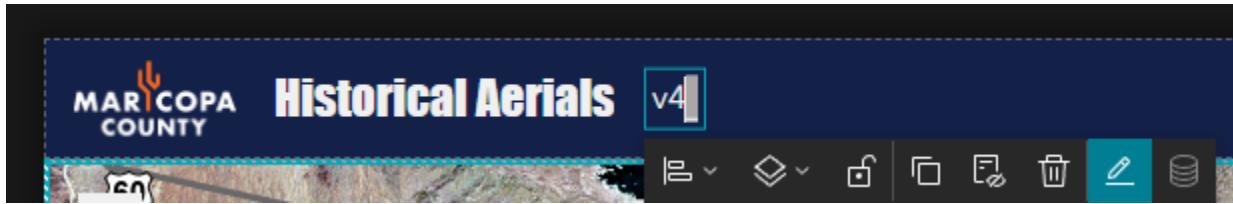
Summary = Add the Table and Query Widgets



Edit Historical Aerials v4



Change the Subtitle to v4



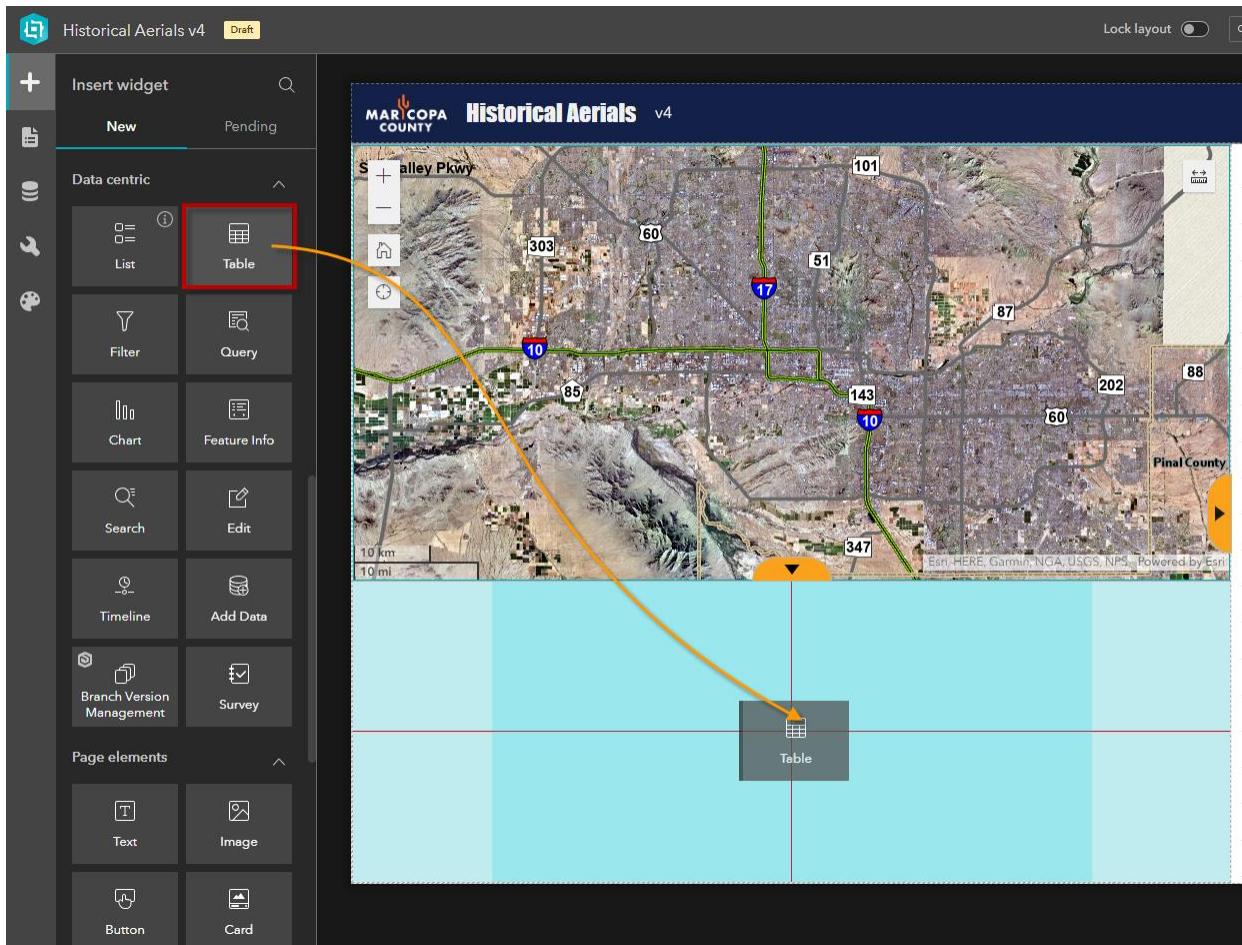
Expand the bottom Sidebar

The screenshot shows a historical aerial map of the Phoenix metropolitan area. The map includes major roads like I-10, I-17, and SR 87, as well as local streets and landmarks. A red speech bubble with the word "Expand" points to the bottom edge of the sidebar, which contains a list of historical aerial datasets. The sidebar is currently collapsed, showing only a few items. An orange arrow points to the expand icon at the bottom of the sidebar.

Dataset	Status
Terrain (NAVD88)	<input type="checkbox"/>
Parcel (Current)	<input type="checkbox"/>
Zip Code	<input type="checkbox"/>
City	<input type="checkbox"/>
Township Range Section	<input type="checkbox"/>
Street	<input checked="" type="checkbox"/>
2022 Sep - 2022 Oct	<input checked="" type="checkbox"/>
2021 Sep - 2021 Nov	<input type="checkbox"/>
2020 Oct - 2020 Nov	<input type="checkbox"/>
2019 Sep - 2019 Dec	<input type="checkbox"/>
2018 Sep - 2018 Dec	<input type="checkbox"/>
2017 Sep - 2017 Nov	<input type="checkbox"/>
2016 Sep - 2016 Dec	<input type="checkbox"/>
2015 Nov - 2016 Feb	<input type="checkbox"/>
2014 Sep - 2014 Nov	<input type="checkbox"/>
2013 Sep - 2013 Nov	<input type="checkbox"/>
2012 Oct - 2012 Dec	<input type="checkbox"/>
2011 Sep - 2011 Oct	<input type="checkbox"/>
2010 Sep - 2010 Oct	<input type="checkbox"/>
2010 Jun - 2010 Sep Statewide	<input type="checkbox"/>

## Add the Table Widget

Drag the Table Widget into the Bottom Sidebar widget as shown.



**Table Widget**

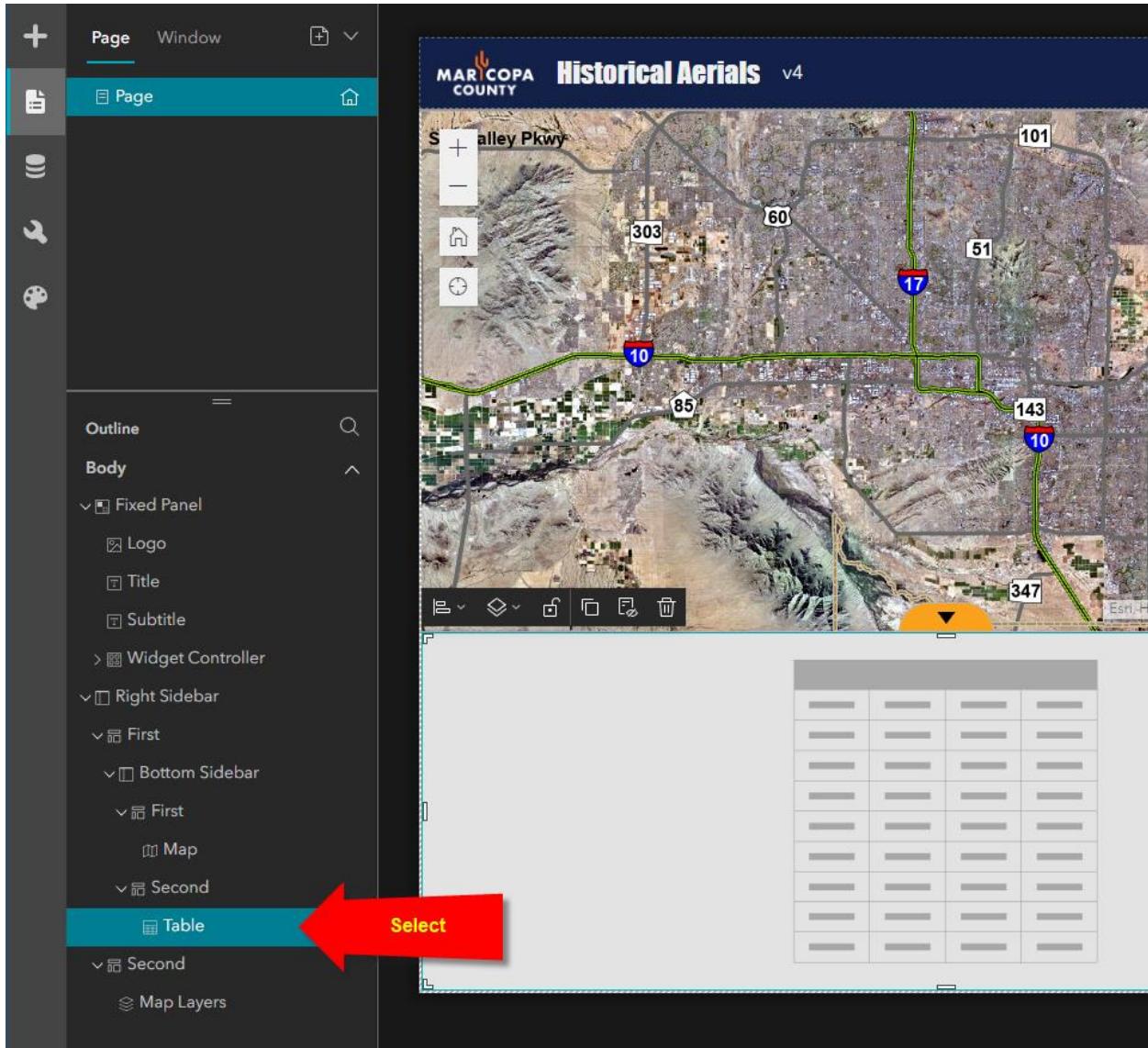
- >  Terrain (NAVD88)
- >  Parcel (Current)
- >  Zip Code
- >  City
- >  Township Range Section
- >  Street
- >  2022 Sep - 2022 Oct
- >  2021 Sep - 2021 Nov
- >  2020 Oct - 2020 Nov
- >  2019 Sep - 2019 Dec
- >  2018 Sep - 2018 Dec
- >  2017 Sep - 2017 Nov
- >  2016 Sep - 2016 Dec
- >  2015 Nov - 2016 Feb
- >  2014 Sep - 2014 Nov
- >  2013 Sep - 2013 Nov
- >  2012 Oct - 2012 Dec
- >  2011 Sep - 2011 Oct
- >  2010 Sep - 2010 Oct
- >  2010 Jun - 2010 Sep Statewide

## Align Full Size

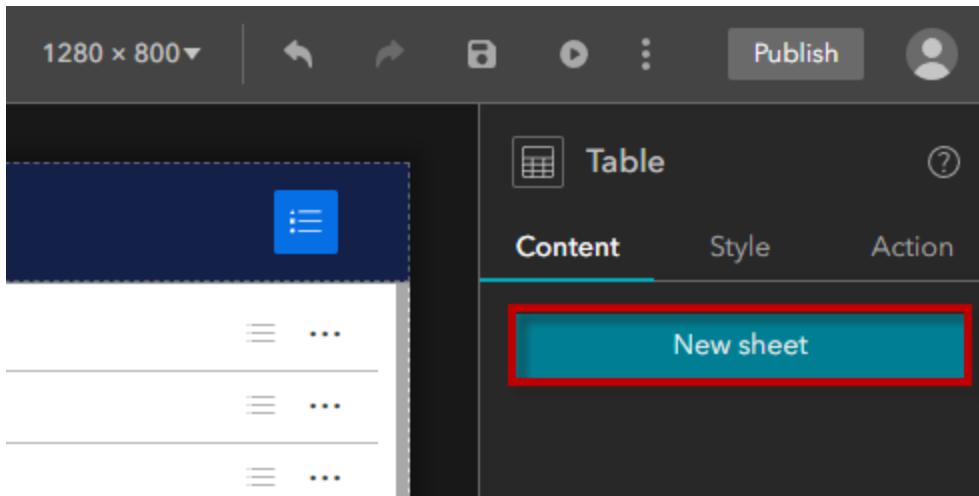
**Full Size**

- ← Snap to left
- Horizontal center
- Snap to right
- ↑ Snap to top
- ↑ Vertical center
- ↓ Snap to bottom
- ↔ Full width
- ↔ Full height
- ↔ Full size**

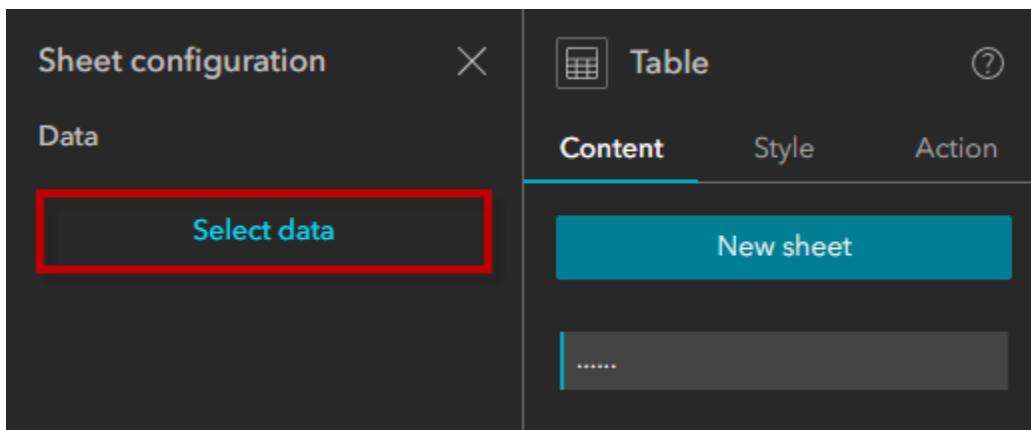
Select the Table Widget from the Page Outline.



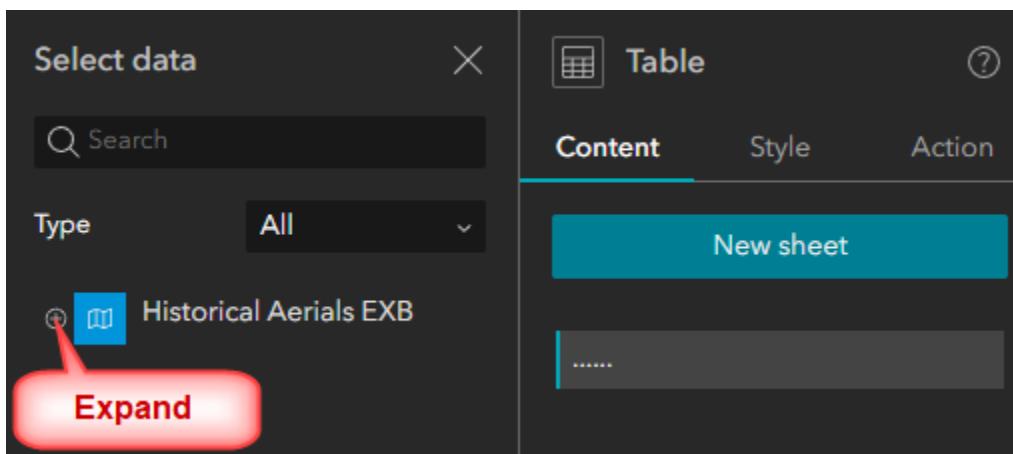
Select New Sheet



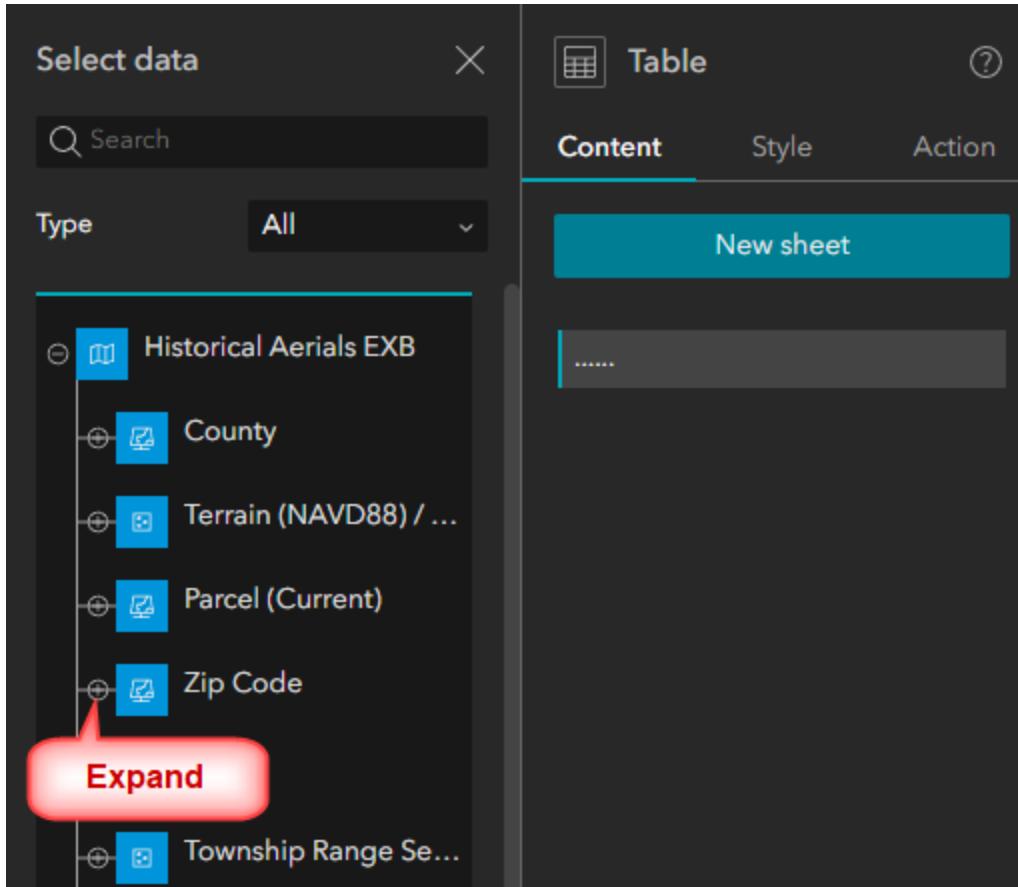
Select Data



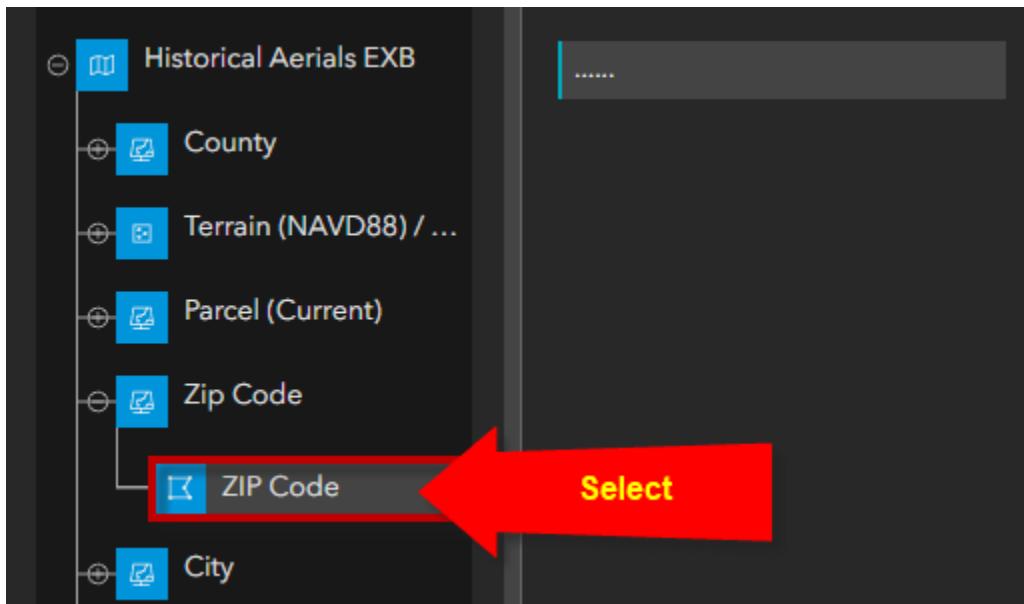
Expand Historical Aerials EXB



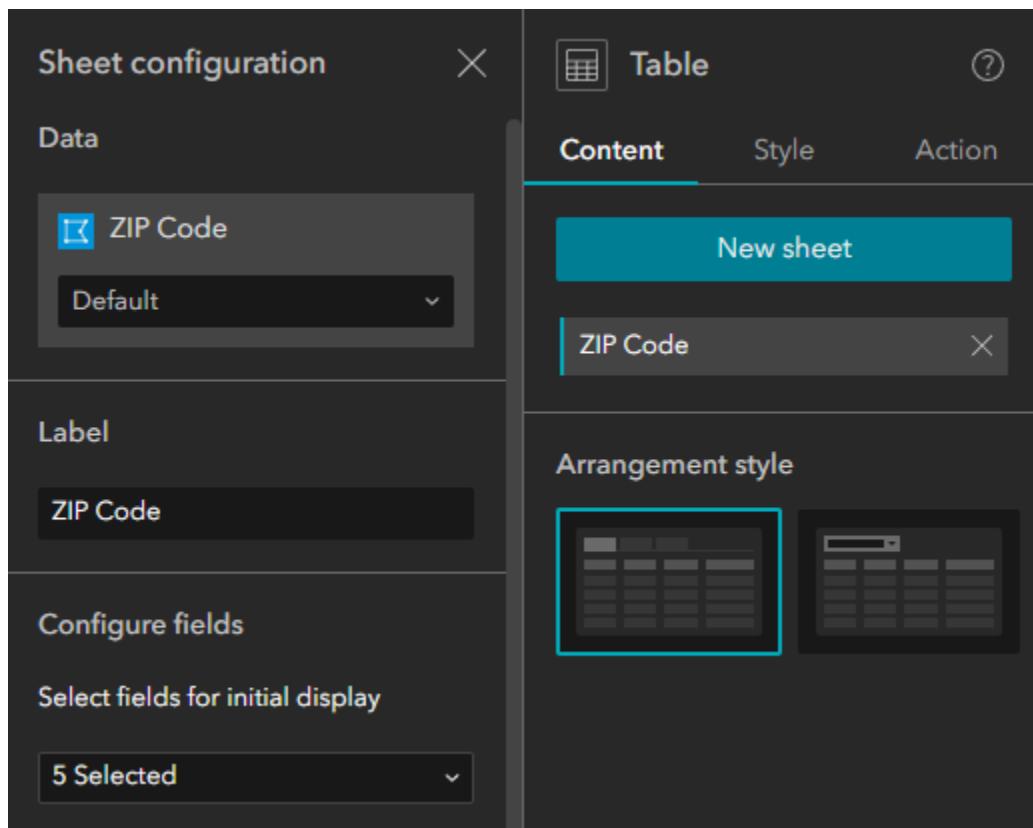
## Expand Zip Code



## Select ZIP Code



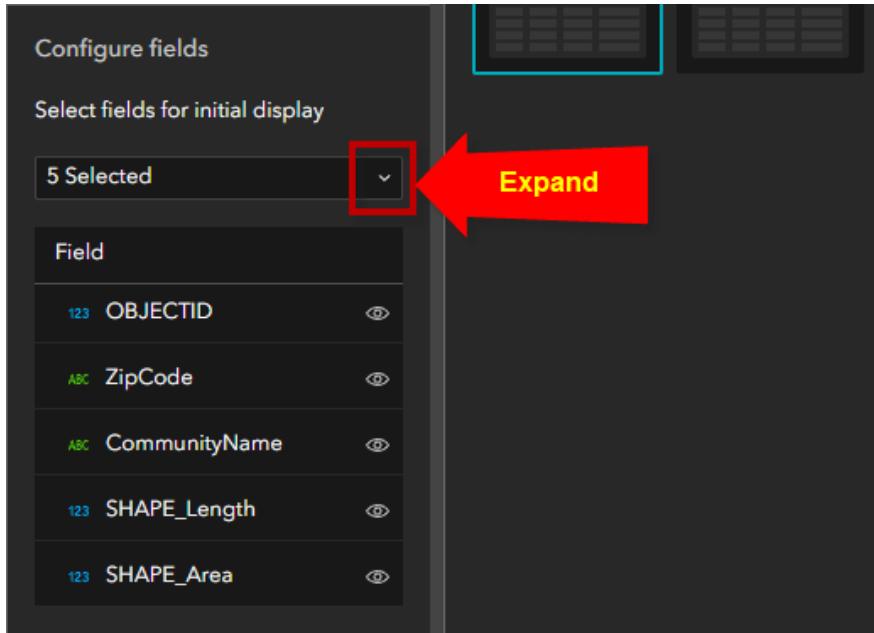
You will see this interface for configuring the ZIP Code layer.



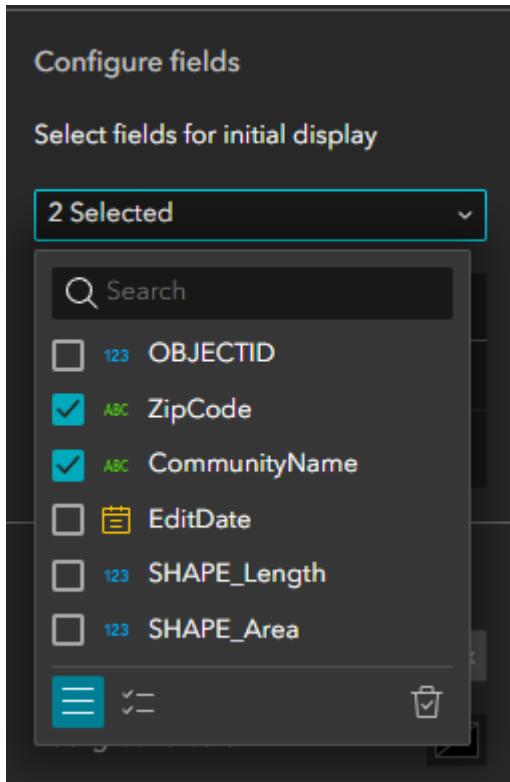
The screenshot shows a table view of ZIP Code data overlaid on a map. The table has columns: OBJECTID, ZipCode, CommunityName, SHAPE\_Length, and Shape. The first five rows of data are:

OBJECTID	ZipCode	CommunityName	SHAPE_Length
1	85309	LUKE AIR FORCE BASE	15,934.061735071844
2	85355	WADDELL	51,795.851240439195
3	85250	SCOTTSDALE	19,820.428760174473
4	85322	ARLINGTON	94,046.95613720799
5	85381	ELLEN CITY	34,423.07847817800

Expand the down-arrow to see a list of fields.



Uncheck everything except ZipCode and CommunityName



**Note:** There is no way to rename the fields, but you can change the order.

**Sheet configuration**

**Data**

- ZIP Code
- Default

**Label**

ZIP Code

**Configure fields**

Select fields for initial display

2 Selected

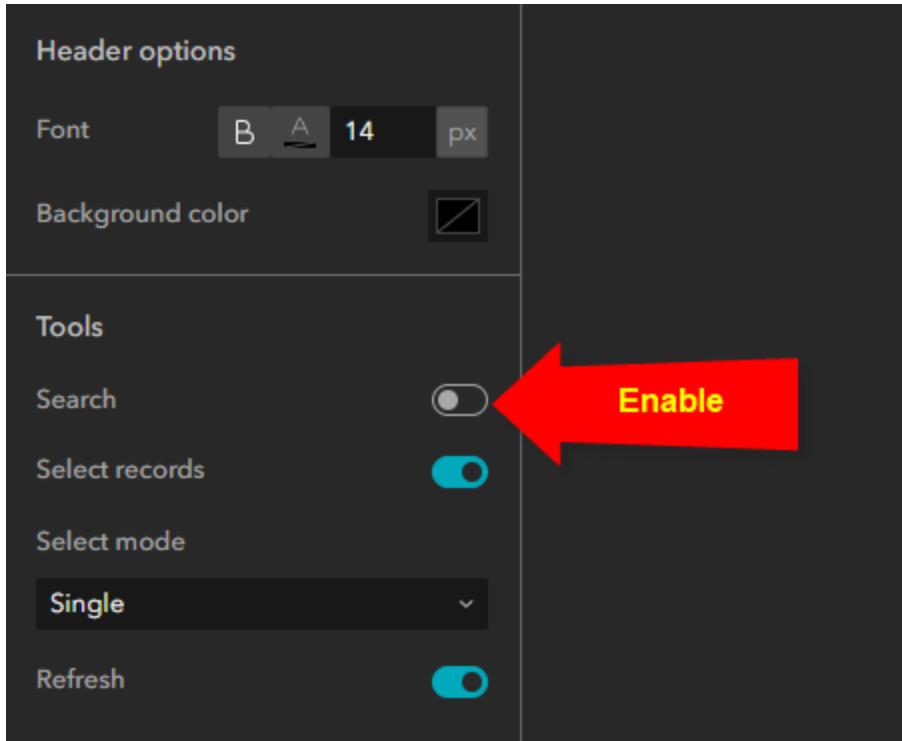
**Field**

ABC ZipCode	eye icon
ABC CommunityName	eye icon

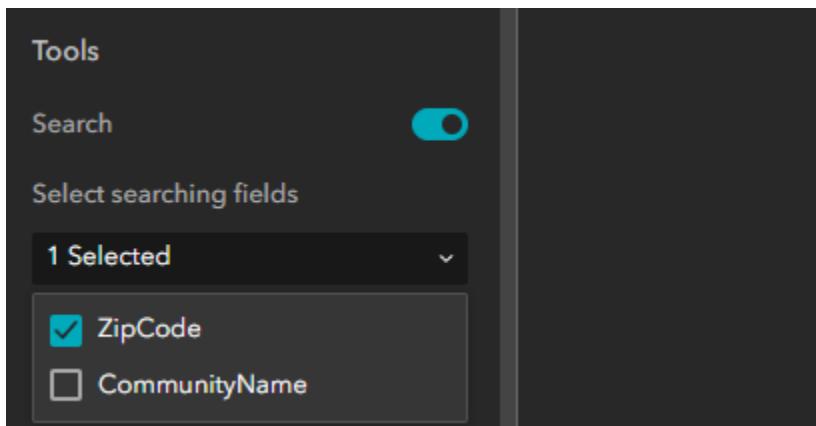
**ZIP Code**

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

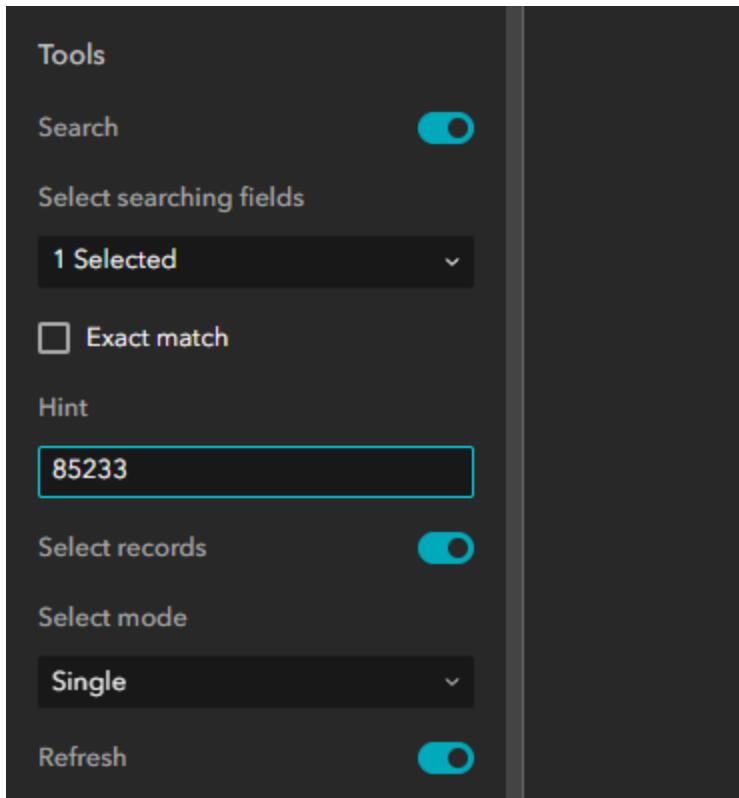
## Enable Search



Select ZipCode as your Search Field



Hint = 85233



The screenshot shows the search results for ZIP code 85233. A red arrow points to the search bar which contains '85233'. The results table has two columns: 'ZipCode' and 'CommunityName'. The data is as follows:

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Save

Publish

[View Published Item](#)

<https://localhost:3001/experience/3/>

Expand the bottom Sidebar to reveal the Table widget.

The screenshot displays the Maricopa County Historical Aerials v4 interface. The main area is a satellite map of the Phoenix metropolitan region, showing a dense grid of streets and major highways (I-17, I-10, I-1043). A red speech bubble with the text "Expand" is positioned over the bottom sidebar. The sidebar itself is a table listing historical aerial imagery options, each with a checkbox and a date range. The "Street" and "2022 Sep - 2022 Oct" options are currently selected, indicated by checked checkboxes.

Option	Date Range
<input type="checkbox"/> Terrain (NAVD88)	...
<input type="checkbox"/> Parcel (Current)	...
<input type="checkbox"/> Zip Code	...
<input type="checkbox"/> City	...
<input type="checkbox"/> Township Range Section	...
<input checked="" type="checkbox"/> Street	...
<input checked="" type="checkbox"/> 2022 Sep - 2022 Oct	...
<input type="checkbox"/> 2021 Sep - 2021 Nov	...
<input type="checkbox"/> 2020 Oct - 2020 Nov	...
<input type="checkbox"/> 2019 Sep - 2019 Dec	...
<input type="checkbox"/> 2018 Sep - 2018 Dec	...
<input type="checkbox"/> 2017 Sep - 2017 Nov	...
<input type="checkbox"/> 2016 Sep - 2016 Dec	...
<input type="checkbox"/> 2015 Nov - 2016 Feb	...
<input type="checkbox"/> 2014 Sep - 2014 Nov	...
<input type="checkbox"/> 2013 Sep - 2013 Nov	...

This is how your Table appears:

The screenshot shows a historical aerial map of Maricopa County, specifically the Phoenix area, with major roads like I-10, I-17, and Route 60 visible. Overlaid on the map is a table search interface. At the top left is a search bar labeled "ZIP Code" containing "85233". To the right of the search bar are several icons: a magnifying glass, a trash can, a refresh arrow, a zoom-in/out icon, and a grid icon. On the far right of the map is a vertical sidebar with a list of selectable items, each preceded by a checkbox and a three-dot ellipsis. Some items are checked (e.g., "Street", "2022 Sep - 2022 Oct"), while others are unchecked.

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Select any record by clicking on it.

This screenshot is similar to the one above, showing the same map and table interface. The table now displays a single selected row for ZIP code 85250, which is highlighted with a blue background. A large red arrow points to this row, with the word "Select" written in yellow at its tip. The other rows in the table are white.

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Open the Action Menu and Select **Zoom To**.

The screenshot shows a map interface with a search bar at the top labeled "ZIP Code". Below it is a table with columns "ZipCode" and "CommunityName". The row for ZipCode 85250 (CommunityName: SCOTTSDALE) is selected. A red arrow points to the three-dot "Action Menu" icon in the top right of the search bar. A context menu is open, with "Zoom to" highlighted in blue.

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

The map zooms to ZipCode 85250.

Open the Action Menu and Select **Show on Map**.

The screenshot shows a map interface with a search bar at the top labeled "ZIP Code". Below it is a table with columns "ZipCode" and "CommunityName". The row for ZipCode 85250 (CommunityName: SCOTTSDALE) is selected. A red arrow points to the three-dot "Action Menu" icon in the top right of the search bar. A context menu is open, with "Show on map" highlighted in blue.

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Zip Code 85250 is highlighted in yellow.

The screenshot shows a map of Maricopa County, specifically the area around Scottsdale. A yellow polygon highlights Zip Code 85250. A red arrow points to this highlighted area. Below the map is a search bar with the number '85233' and a table showing zip code data. To the right is a legend and a list of historical aerial layers.

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Legend:

- Terrain (NAVD88)
- Parcel (Current)
- Zip Code
- City
- Township Range Section
- Street
- 2022 Sep - 2022 Oct
- 2021 Sep - 2021 Nov
- 2020 Oct - 2020 Nov
- 2019 Sep - 2019 Dec
- 2018 Sep - 2018 Dec
- 2017 Sep - 2017 Nov
- 2016 Sep - 2016 Dec
- 2015 Nov - 2016 Feb
- 2014 Sep - 2014 Nov
- 2013 Sep - 2013 Nov

Later you will learn how to automate some actions.

Whenever you select a record from the Table, the map will zoom to it automatically.

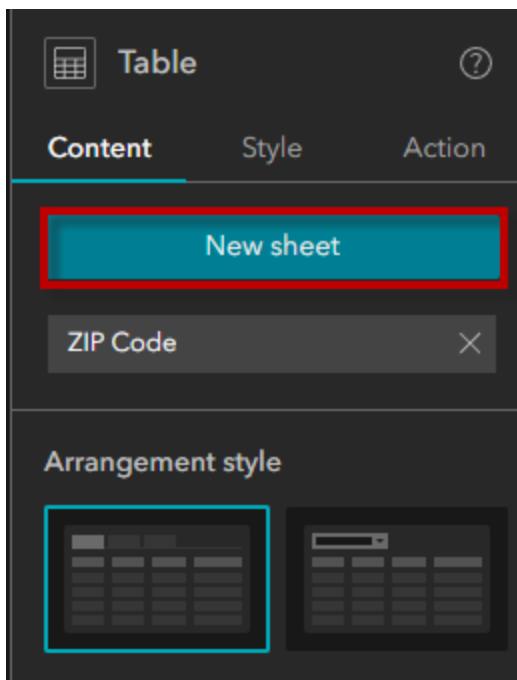
Turn on the Zip Code layer to see the Zip Code boundaries and labels.

The screenshot shows a historical aerial map of Maricopa County, Arizona, with a focus on Scottsdale and surrounding areas. A legend on the right side lists various map layers, with the 'Zip Code' layer highlighted in green and checked. A red arrow points to this entry. Below the map is a search bar labeled 'ZIP Code' containing the value '85233'. A table below the search bar lists zip codes and their corresponding community names:

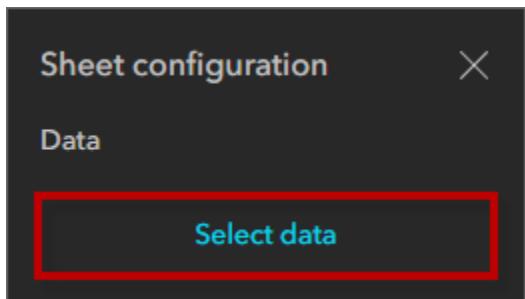
ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Next, you will configure another table for the City Layer.

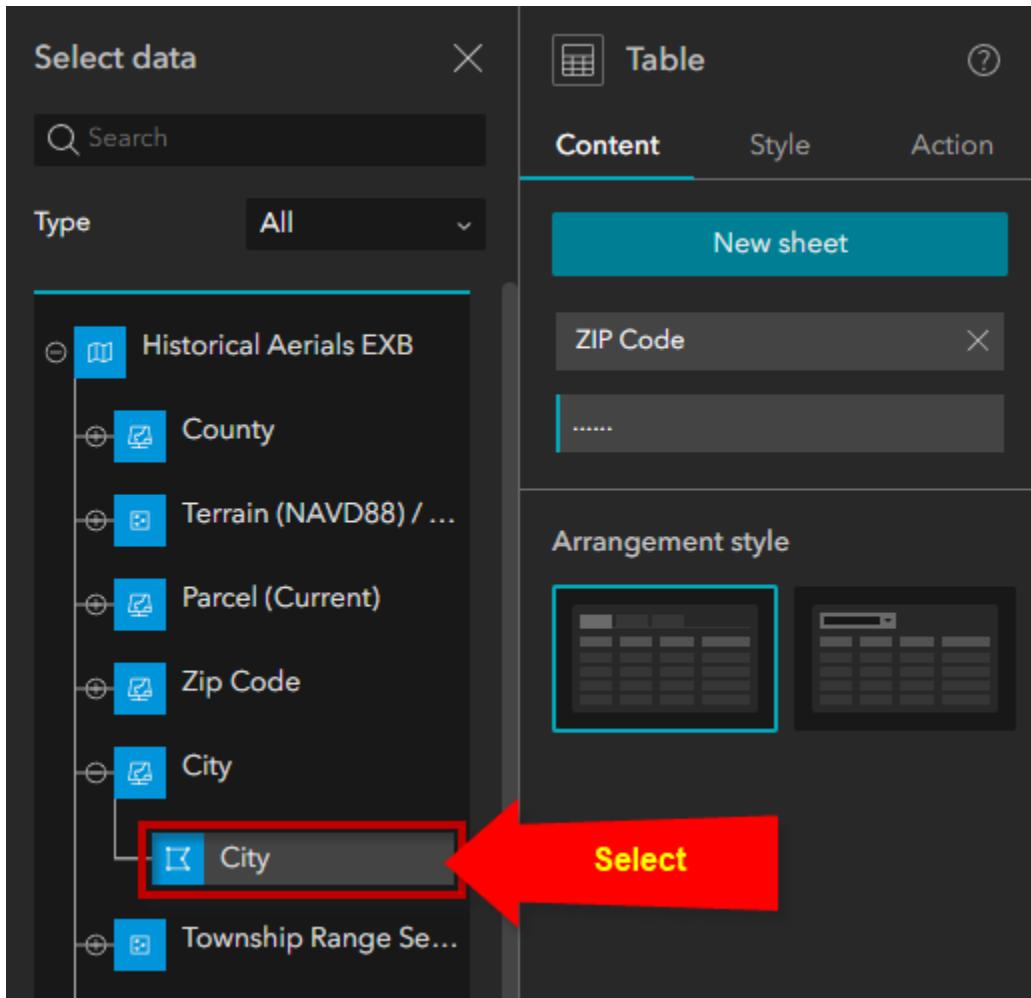
## New Sheet



## Select Data



Expand City and Select the City Layer nested within.



Sheet configuration X

Data

City

Default

Label

City

Table

Content Style Action

New sheet

ZIP Code X

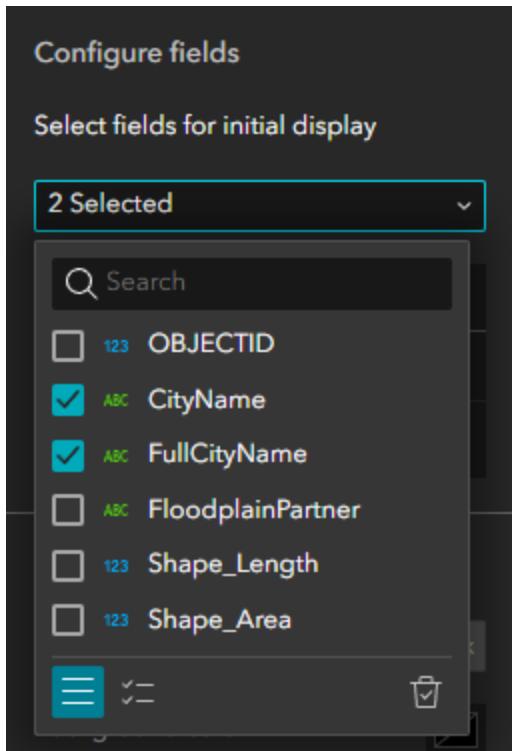
City X

Arrangement style

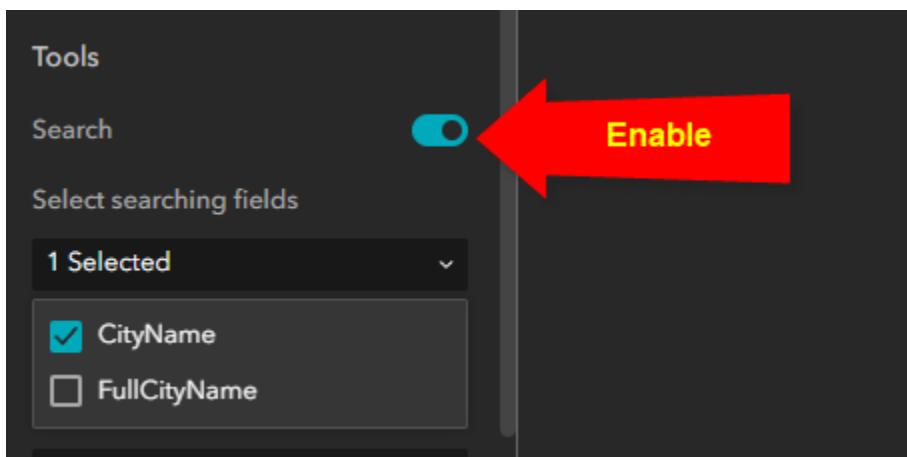
City has been added.

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

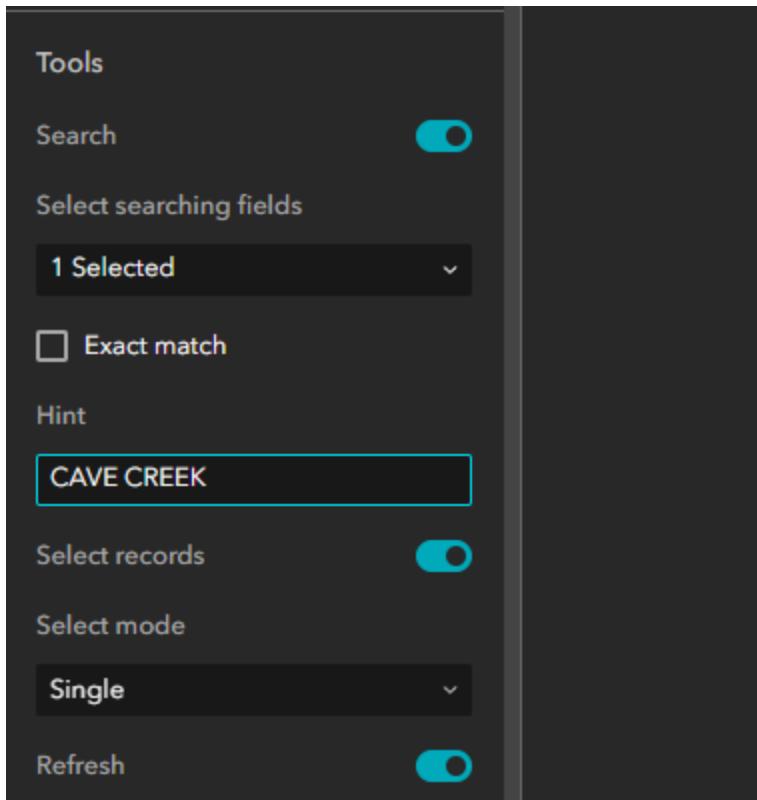
Uncheck all the items except CityName and FullCityName.



Enable Search and select CityName as your Search Item.



Hint = CAVE CREEK



Save

Publish

[View Published Item](#)

<https://localhost:3001/experience/3/>

Open the City Tab.

ZIP Code    City

CAVE CREEK

CityName	FullCityName
PEORIA	City of Peoria
PEORIA	City of Peoria
MESA	City of Mesa
MESA	City of Mesa
MESA	City of Mesa

Begin to type CAVE CREEK in the Search Tool.

Select CAVE CREEK

ZIP Code    City

CAVE CREEK

CAVE CREEK

One record is found. Click to select it.

Screenshot of a GIS application interface. At the top, there is a map with a scale bar (5 km/5 mi) and a title 'PHX City - Phoenix, Bureau of Land Management... Powered by Esri'. Below the map is a search bar with 'ZIP Code' and 'City' tabs, and a search input field containing 'CAVE CREEK'. To the right of the search input are several icons: a dropdown, a checkmark, a refresh, a magnifying glass, and a double circle. Below the search bar is a table with two columns: 'CityName' and 'FullCityName'. The first row shows 'CAVE CREEK' in the 'CityName' column and 'Town of Cave Creek' in the 'FullCityName' column. A large red arrow points from the text 'Select' to the icon next to 'CAVE CREEK' in the table.

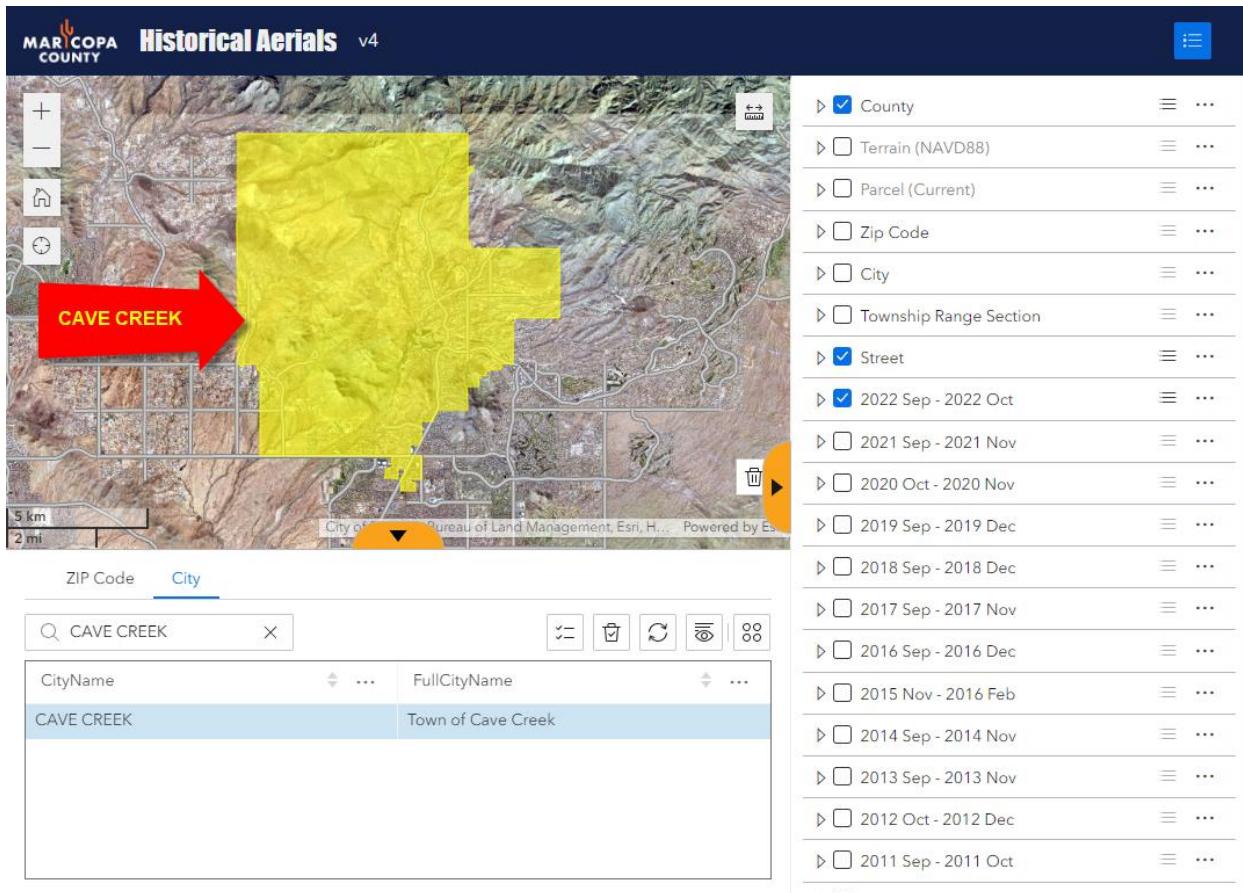
Action Menu | Zoom to

Screenshot of an action menu for the selected item 'Town of Cave Creek'. The menu includes options: 'Zoom to' (highlighted with a blue background), 'Pan to', 'Show on map', 'Export all', and 'Export selected'.

Action Menu | Show on Map

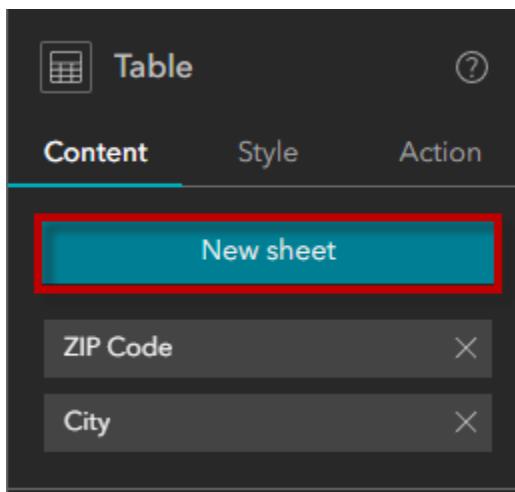
Screenshot of an action menu for the selected item 'Town of Cave Creek'. The menu includes options: 'Zoom to', 'Pan to', 'Show on map' (highlighted with a blue background), 'Export all', and 'Export selected'.

The City of CAVE CREEK is highlighted in yellow.



Next, you will add the Subdivision Layer to the Table.

Add a New Sheet.



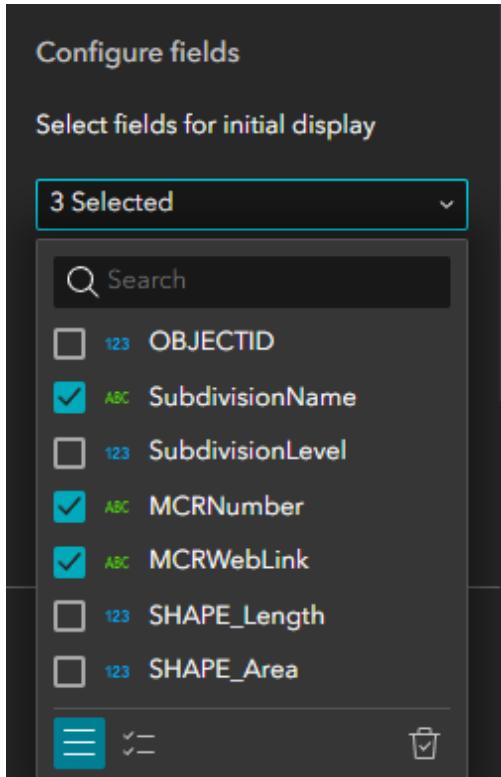
Select Data

This screenshot illustrates a two-panel interface. On the left, a dark modal window titled 'Sheet configuration' is open, containing a single button labeled 'Select data' which is also highlighted with a red box. On the right, the same dark-themed 'Table' configuration interface is shown, but it is not the active window. Its 'Content' tab is selected, and its 'New sheet' button is highlighted with a red border, matching the one in the configuration dialog. This visual cue indicates that the 'Select data' action will trigger the creation of a new sheet.

Expand Parcel and select Subdivision

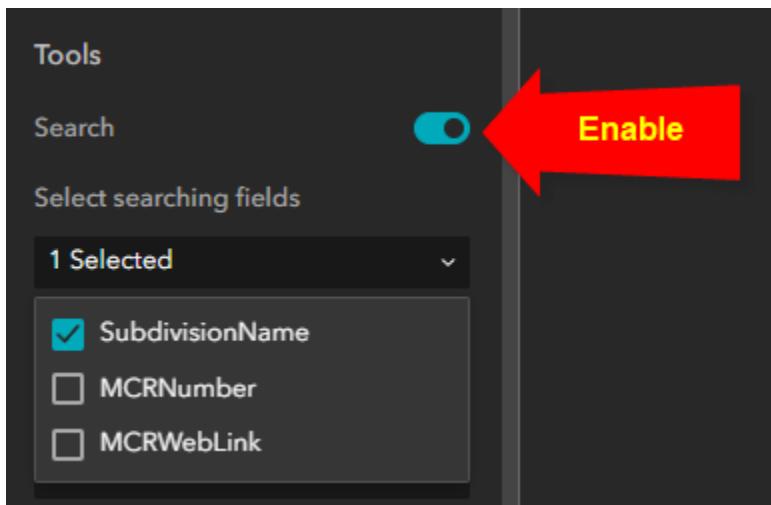
The screenshot shows the 'Select data' interface with the 'Content' tab selected. On the left, a tree view lists various data types: Historical Aerials EXB, County, Terrain (NAVD88) / ..., Parcel (Current), Zip Code, and City. Under 'Parcel (Current)', 'Subdivision' is checked and highlighted with a red box. On the right, there are sections for 'ZIP Code' and 'City', both with 'X' buttons. Below these is an 'Arrangement style' section with two grid icons.

Select the following 3 items.

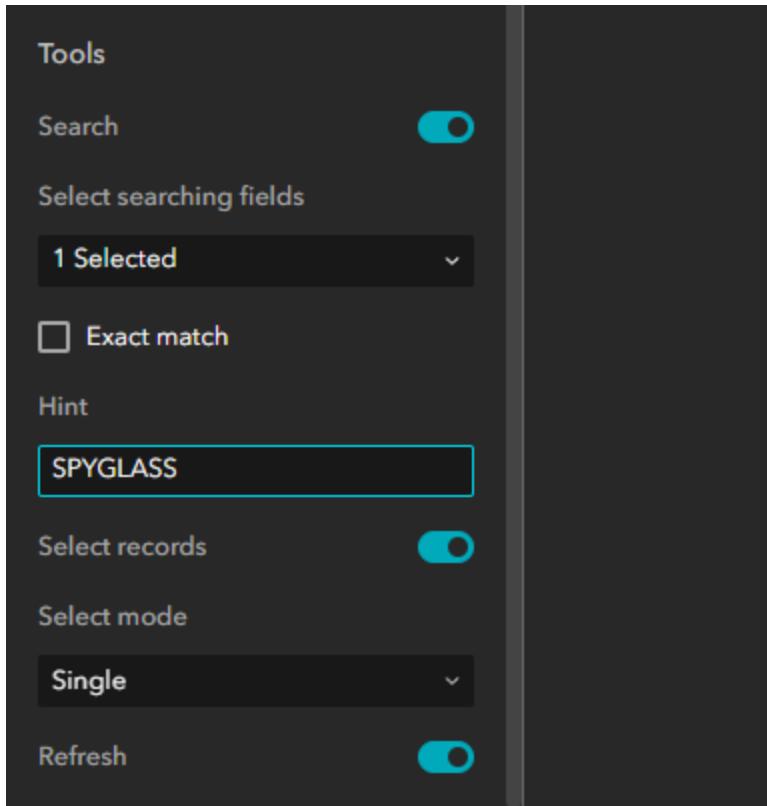


Enable Search.

Search Field = SubdivisionName



Hint = SPYGLASS



Save, Publish and View Published Item.

<https://localhost:3001/experience/3/>

Open the Subdivision Tab

The screenshot shows the Maricopa County Historical Aerials v4 application. At the top, there's a map of Phoenix with a green polygon highlighting a specific subdivision. The map includes major roads like I-10, 17, and 143, and various street grids. Below the map is a search bar with three tabs: ZIP Code, City, and Subdivision, with 'Subdivision' currently selected. A search input field contains 'SPYGLASS'. To the right of the search bar is a dropdown menu listing subdivision names with their MCR numbers: ANASAZI (000-01), CAREFREE CASAS (000-03), CASA DOMANI AMD (000-04), CASITA ROYALE TOWNHOMES (000-05), and CENTRAL PARKWAY CONDOMINIUM (000-06). On the far right, there's a vertical list of historical aerial layers, each with a checkbox and a date range: County (checked), Parcel (Current), Zip Code, City, Township Range Section, Street (checked), and numerous other date ranges from 2012 to 2000.

Enter SPYGLASS in the Search Box and select SPYGLASS from the drop-down.

This screenshot shows the subdivision search results for 'SPYGLASS'. The search bar at the top contains 'SPYGLASS'. Below it, a dropdown menu lists several subdivisions: SPYGLASS 2, SPYGLASS BAY, SPYGLASS (highlighted with a blue background and a red arrow pointing to the 'Select' button), SPYGLASS ESTATES, CASA DOMANI AMD, CASITA ROYALE TOWNHOMES, and CENTRAL PARKWAY CONDOMINIUM. The main table below shows the subdivision names and their corresponding MCR numbers: SPYGLASS (000-01), SPYGLASS ESTATES (000-03), CASA DOMANI AMD (000-04), CASITA ROYALE TOWNHOMES (000-05), and CENTRAL PARKWAY CONDOMINIUM (000-06).

SubdivisionName	MCRNumber
ANASAZI	000-01
CAREFREE CASAS	000-03
CASA DOMANI AMD	000-04
CASITA ROYALE TOWNHOMES	000-05
CENTRAL PARKWAY CONDOMINIUM	000-06

Select the SPYGLASS Subdivision Record.

The screenshot shows a GIS application interface. At the top, there is a map of Pinel County, Arizona, with a scale bar indicating 5 km and 5 mi. Below the map is a search bar with the text "SPYGLASS". Underneath the search bar is a table titled "Subdivision" with the following data:

SubdivisionName	MCRNumber	MCRWebLink
SPYGLASS 2	212-35	<a href="#">View</a>
SPYGLASS BAY	383-22	<a href="#">View</a>
SPYGLASS	198-10	<a href="#">View</a>
SPYGLASS ESTATES	289-17	<a href="#">View</a>

A red arrow points to the "SPYGLASS" row, with the word "Select" written in yellow on the arrow.

Action Menu | Zoom To

The screenshot shows the "Action Menu" with the "Zoom to" option highlighted. The menu includes the following items:

- Zoom to
- Pan to
- Show on map
- Export all
- Export selected

Action Menu | Show on Map

The screenshot shows the "Action Menu" with the "Show on map" option highlighted. The menu includes the following items:

- Zoom to
- Pan to
- Show on map
- Export all
- Export selected

The SPYGLASS Subdivision is highlighted in yellow.



Open the Link to the Maricopa County Recorder Page.

ZIP Code	City	Subdivision	
		<input type="text" value="SPYGLASS"/> <span style="border: 1px solid #ccc; padding: 2px;">X</span>	
		SubdivisionName	MCRNumber
		SPYGLASS 2	212-35
		SPYGLASS BAY	383-22
		SPYGLASS	198-10
		SPYGLASS ESTATES	289-17

Open Link

<https://recorder.maricopa.gov/recdocdata/internetmaps/imapsdetail.aspx?Book=198&Page=10&imgType=PDF&mapttype=Plat>

FAQs Contact

STEPHEN RICHER  
MARICOPA COUNTY RECORDER

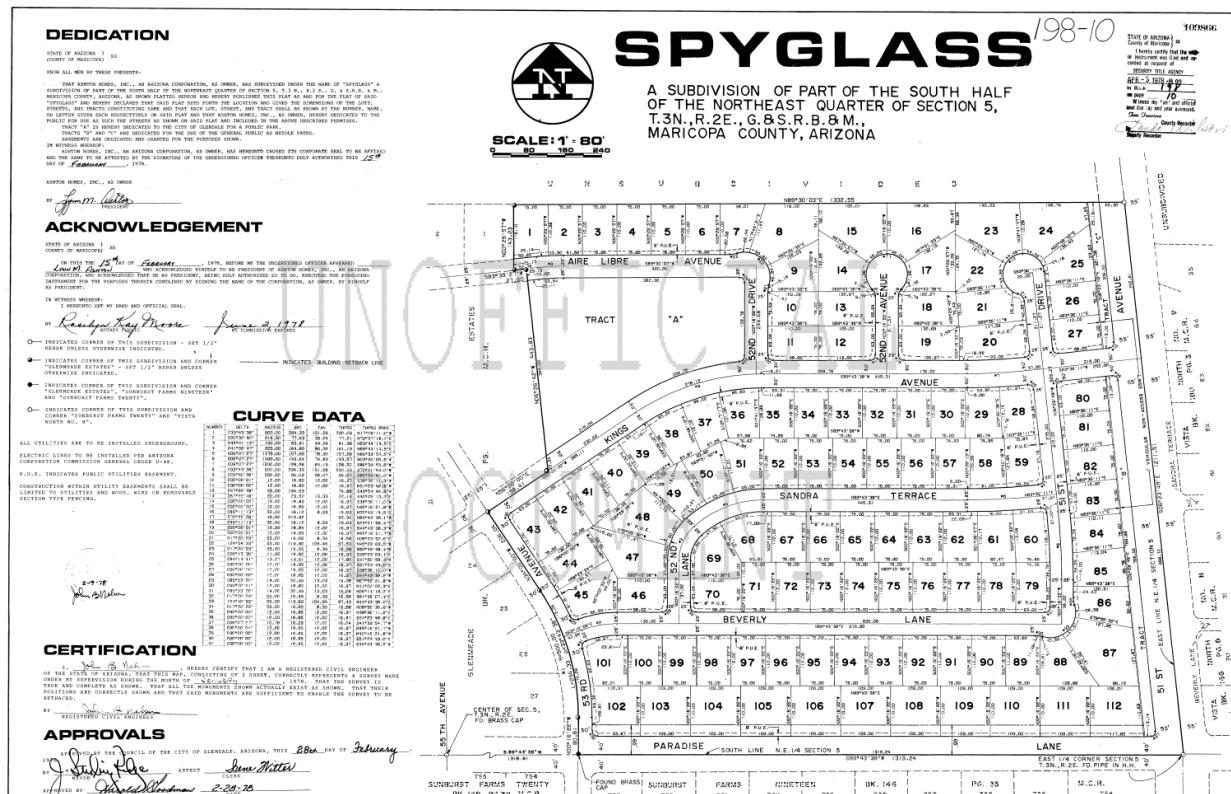
Home About Us Recorder Elections Media Publications Help & Support

## Search Results

PLAT MAPS ADD TO CART

198PLAT101 Open BUY

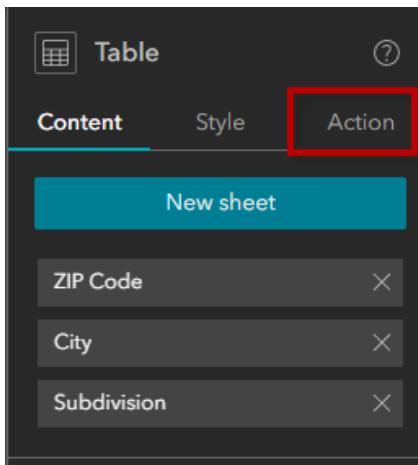
New Search



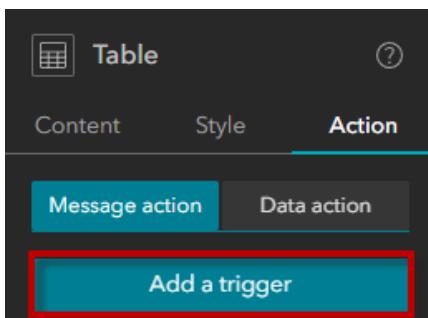
Next, you are going to add some Actions to the Table widget.

## Add Actions to the Table Widget

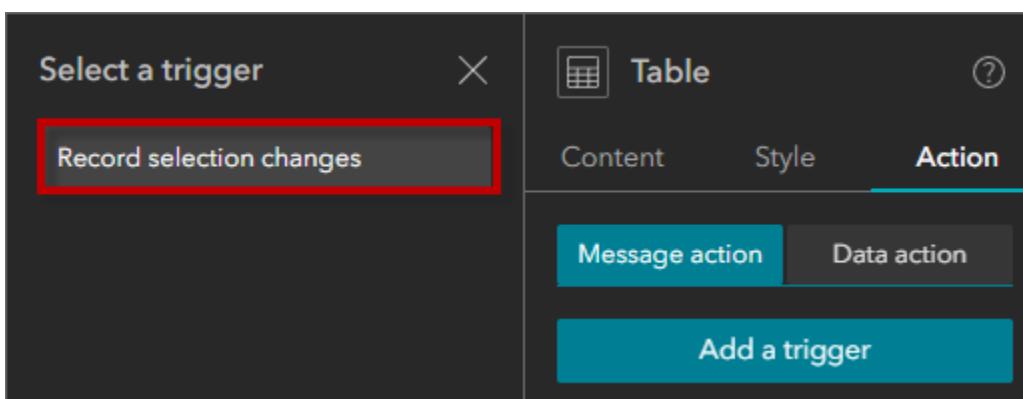
Open the Action Tab.



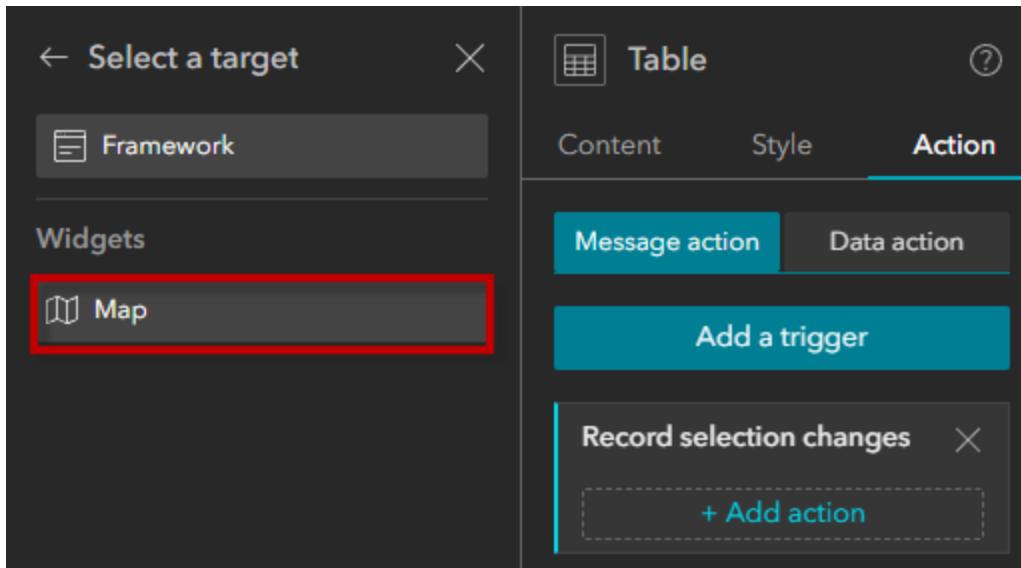
Message Action | Add a Trigger



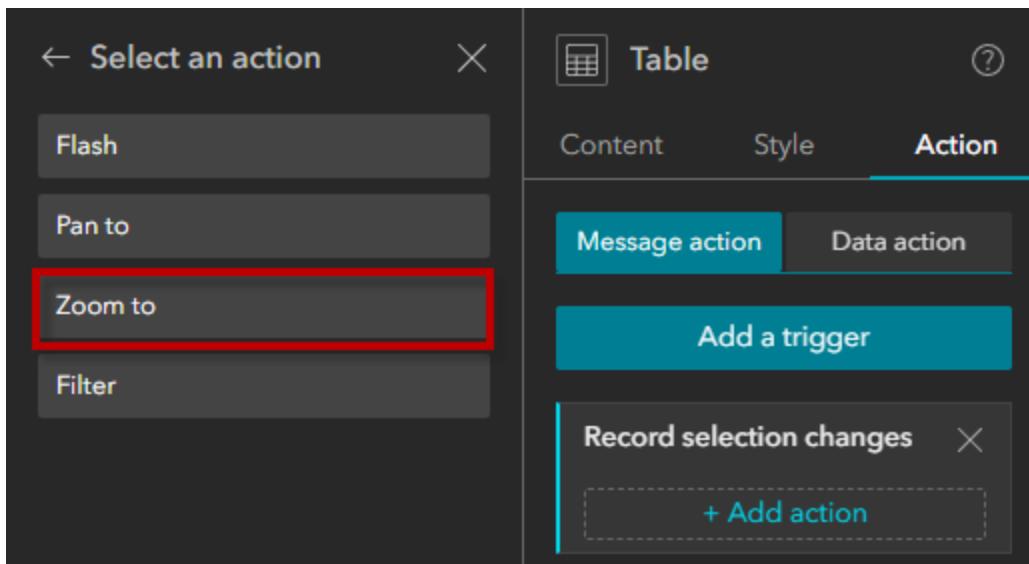
Record Selection Changes



## Map



## Zoom To



These are your Action Settings for the 3 data layers.

Action settings

Trigger data

- City X  
1 Selected
- Subdivision X  
1 Selected
- ZIP Code X  
1 Selected

Select data

Zoom scale

- Automatic
- Custom

Table

Content Style Action

Message action Data action

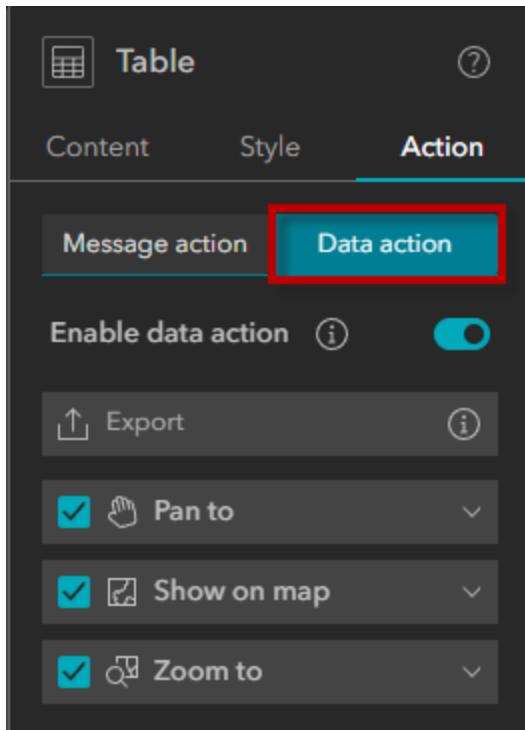
Add a trigger

Record selection changes

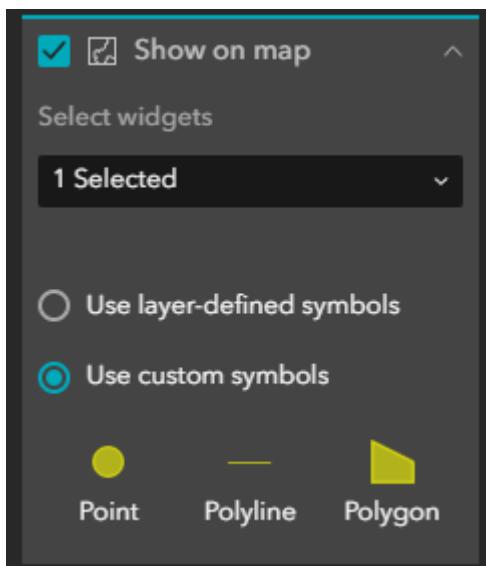
- Map
- Zoom to

+ Add action

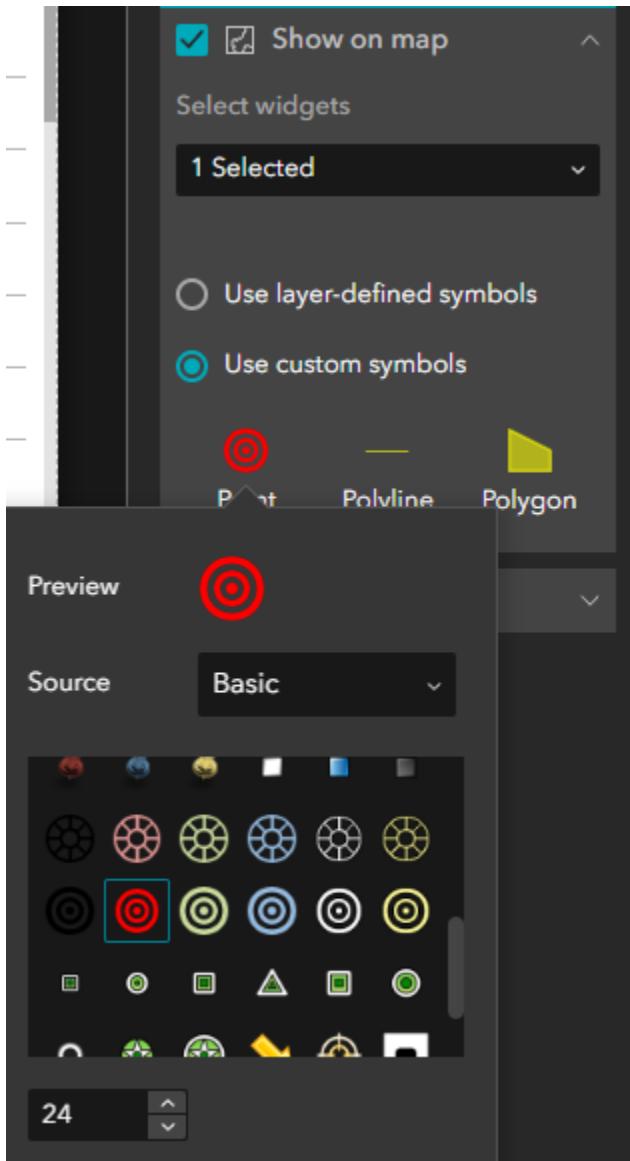
## Action | Data Action



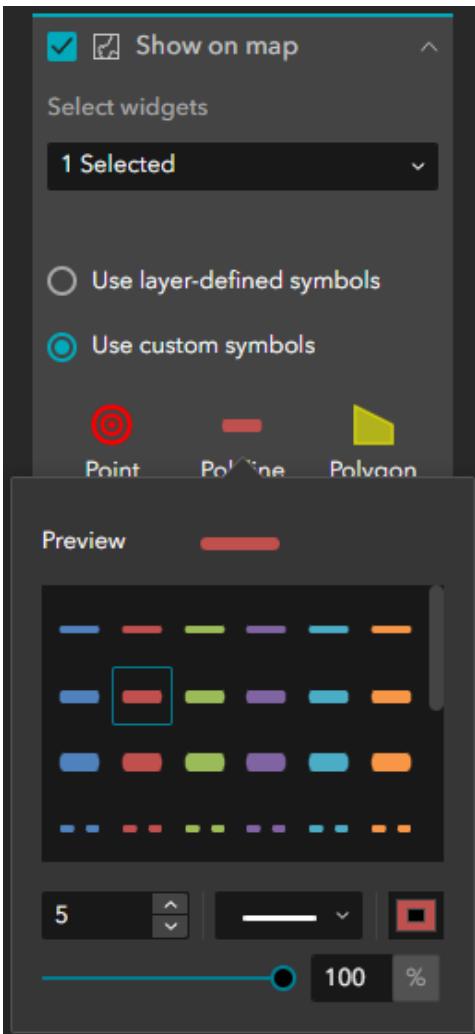
Expand Show on Map



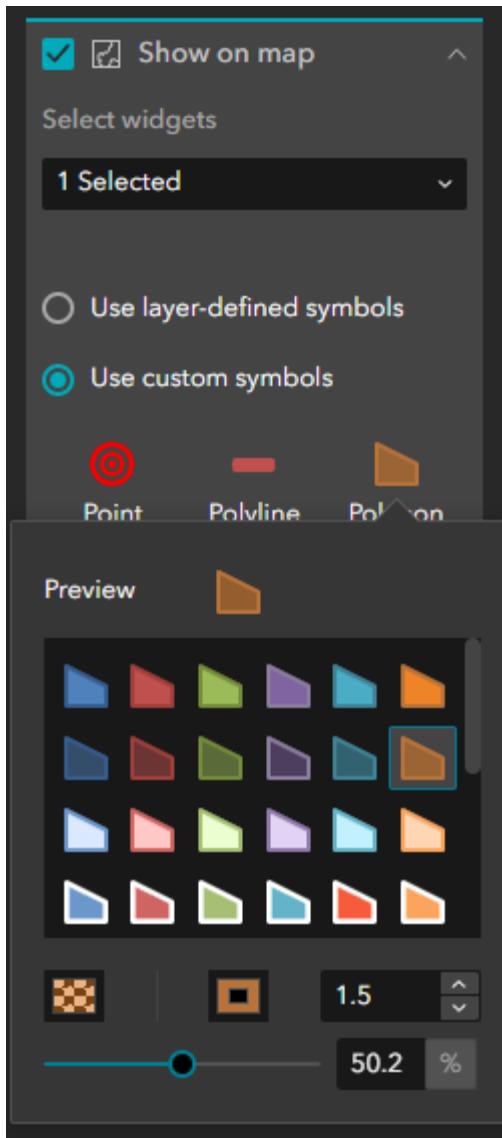
Change the Point Symbol.



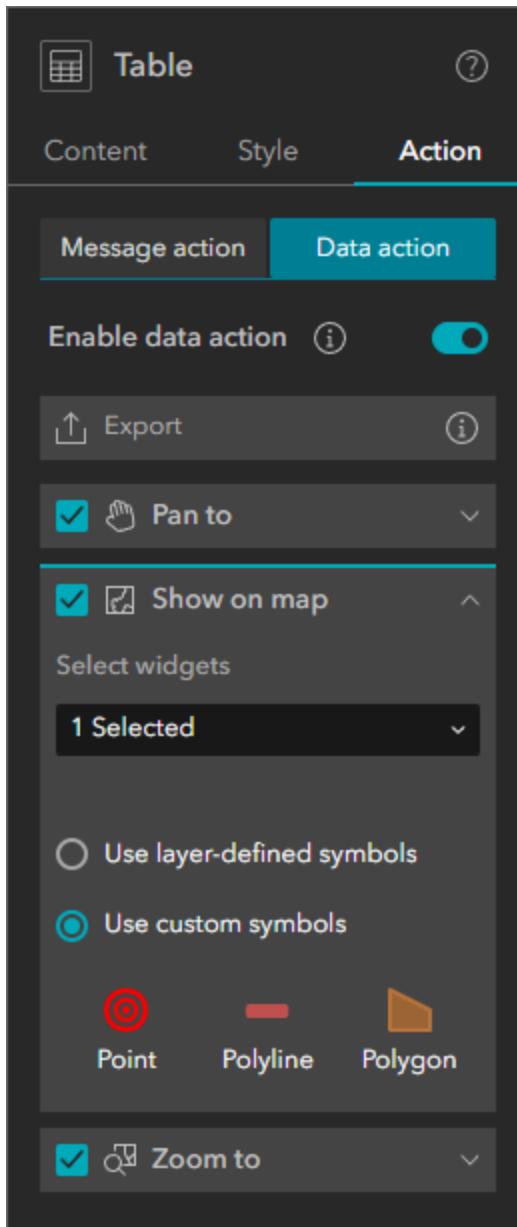
Change the Polyline Symbol.



## Change the Polygon Symbol



These are your new symbols.



Save, Publish and View Published Item

<https://localhost:3001/experience/3/>

Turn on the Zip Code Layer.

Select Zip Code = 85250 from the Table.

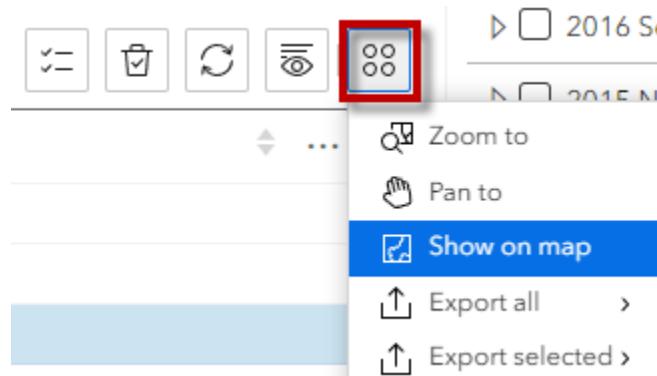
The map will automatically zoom to Zip Code 85250.

The selected Zip Code boundary will be highlighted in Cyan.

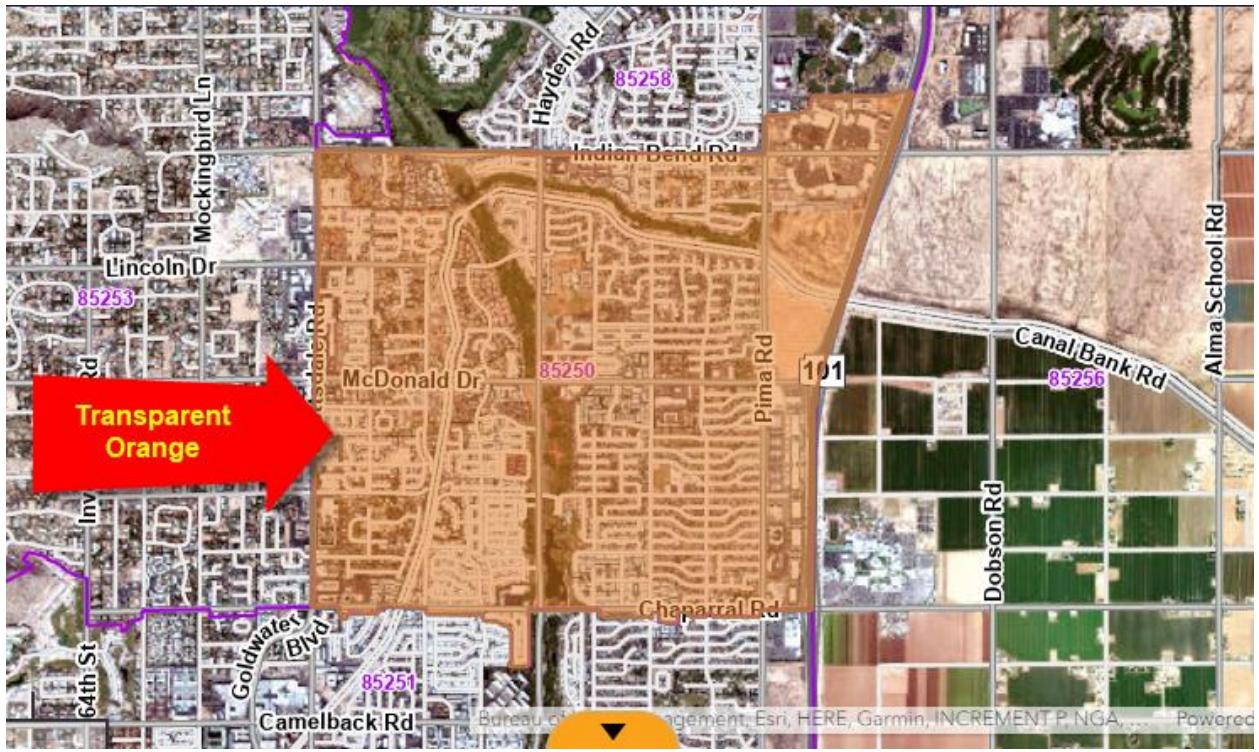
The screenshot shows the Historical Aerials v4 application interface. On the left is a map of Scottsdale, Arizona, with various streets labeled. A cyan-colored polygon highlights the area around Zip Code 85250. A red callout bubble points to this polygon with the text "Zip Code Boundary Highlighted in Cyan". On the right is a sidebar with a legend and a table of zip codes. A red arrow points to the "Turn On" button in the legend, which is next to the "Zip Code" entry. Another red arrow points to the "Select" button in the table, which is positioned over the row for Zip Code 85250. The table has columns for ZipCode and CommunityName, showing the following data:

ZipCode	CommunityName
85309	LUKE AIR FORCE BASE
85355	WADDELL
85250	SCOTTSDALE
85322	ARLINGTON
85351	SUN CITY

Action Menu | Show on Map



Zip Code 85250 is highlighted in transparent orange, the Polygon Symbol that you selected.

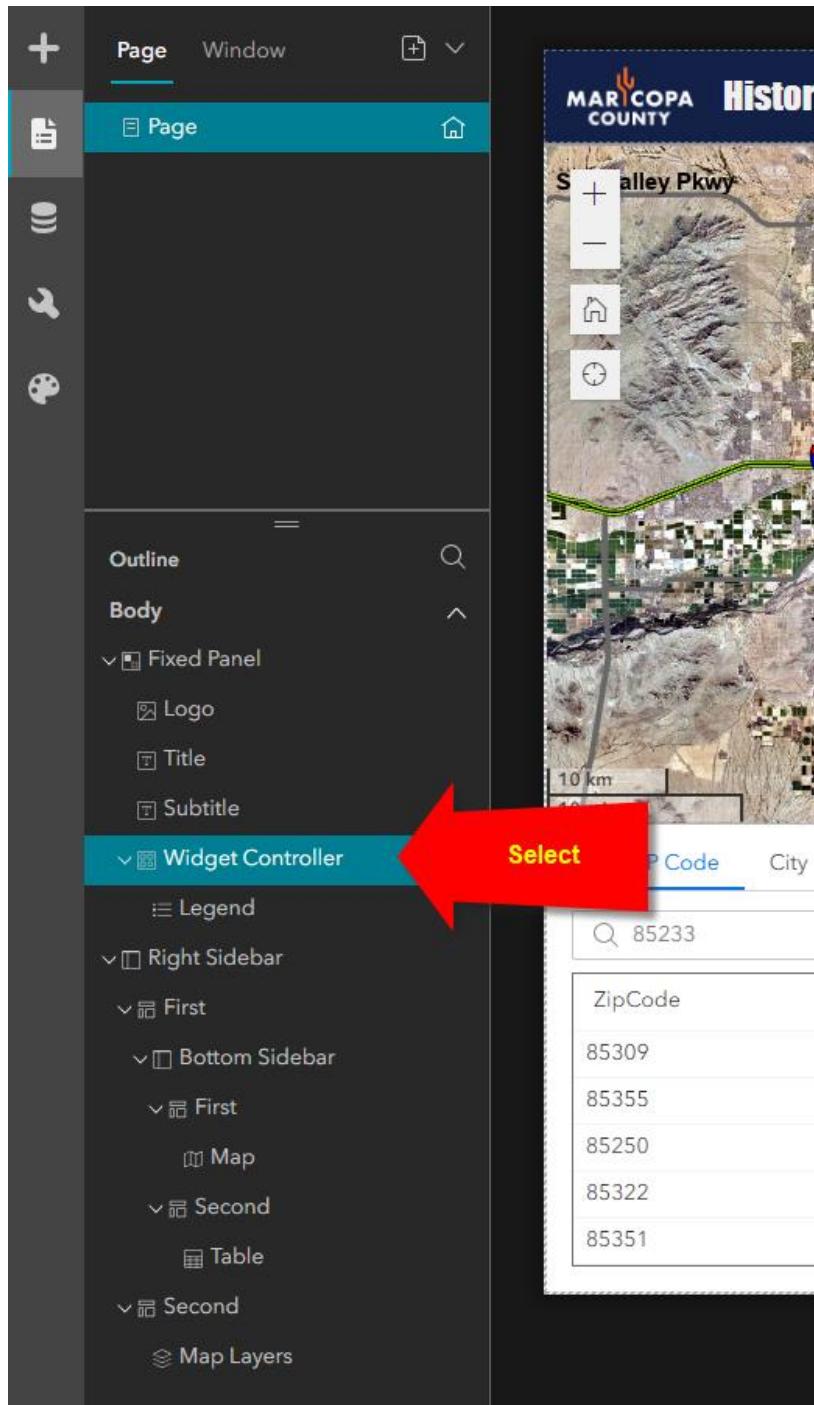


This completes the configuration of the Table widget.

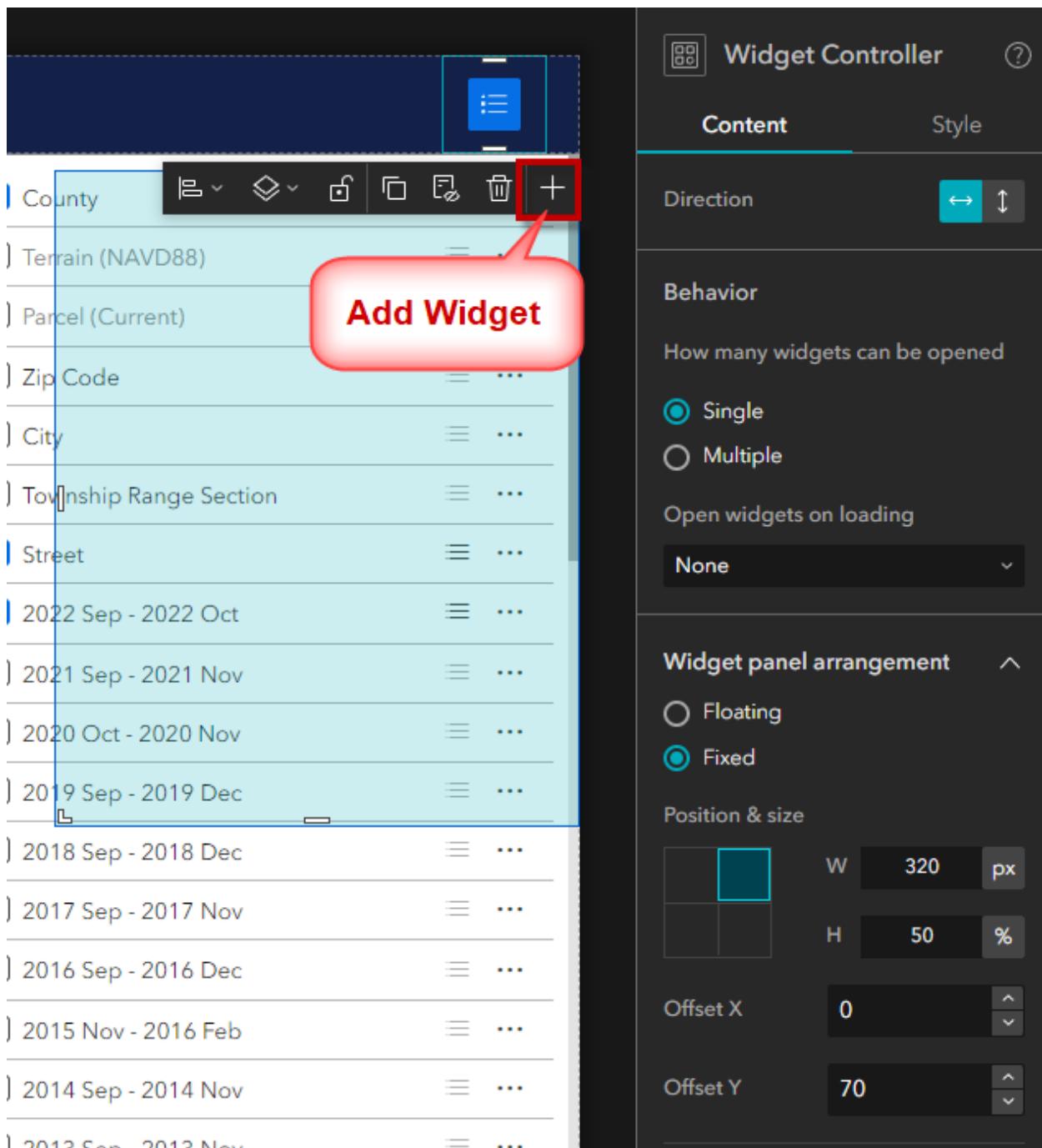
Next, you will configure the Query widget.

## Add the Query Widget

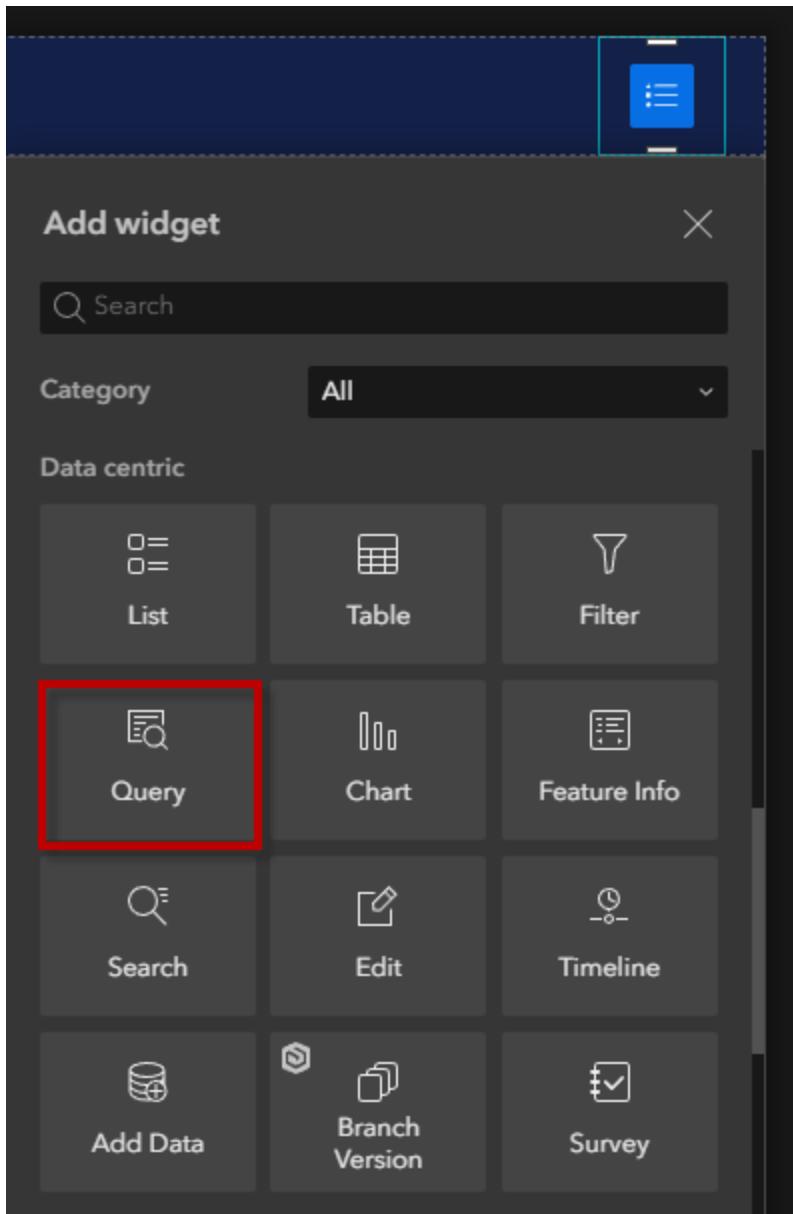
Select the Widget Controller from the Page Outline.



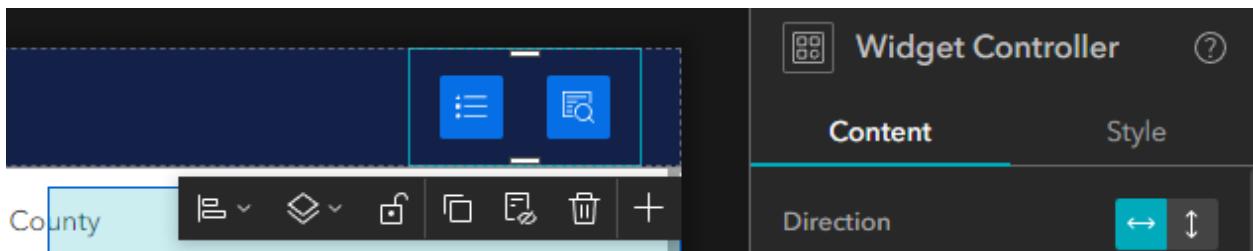
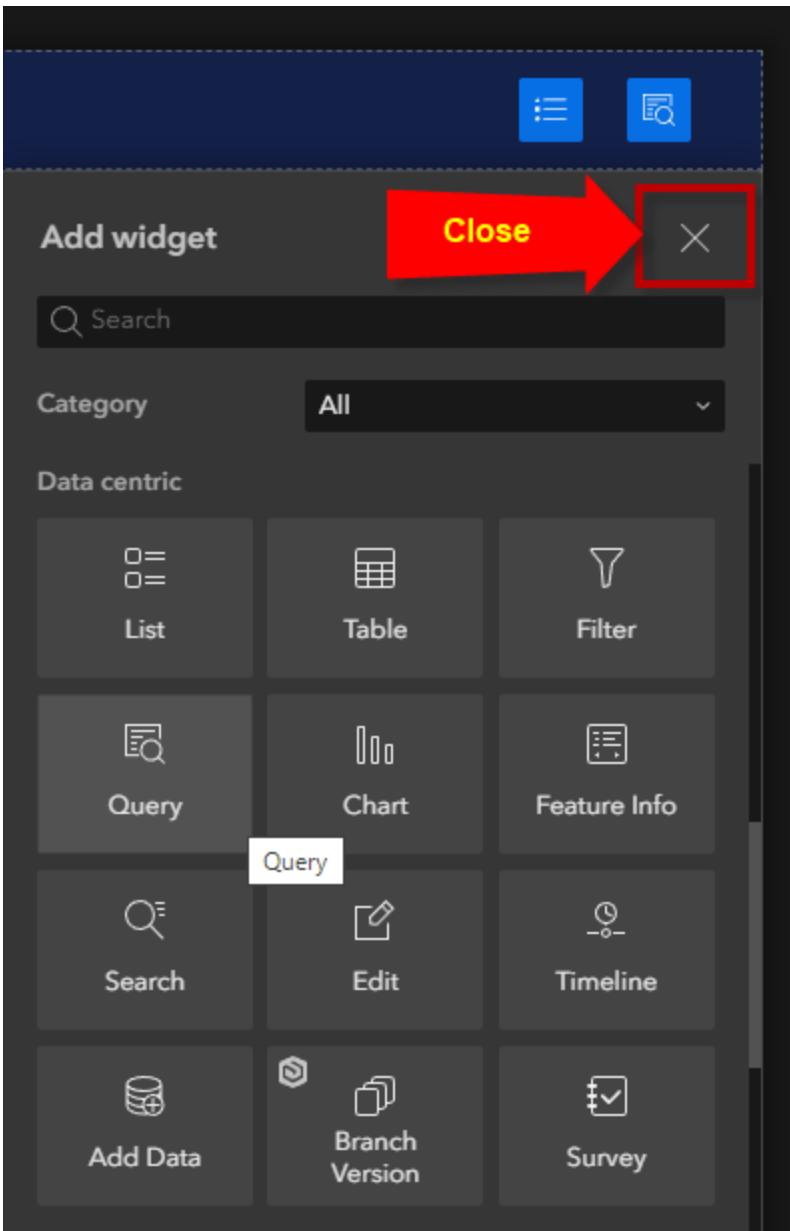
Click on the Add Widget Button



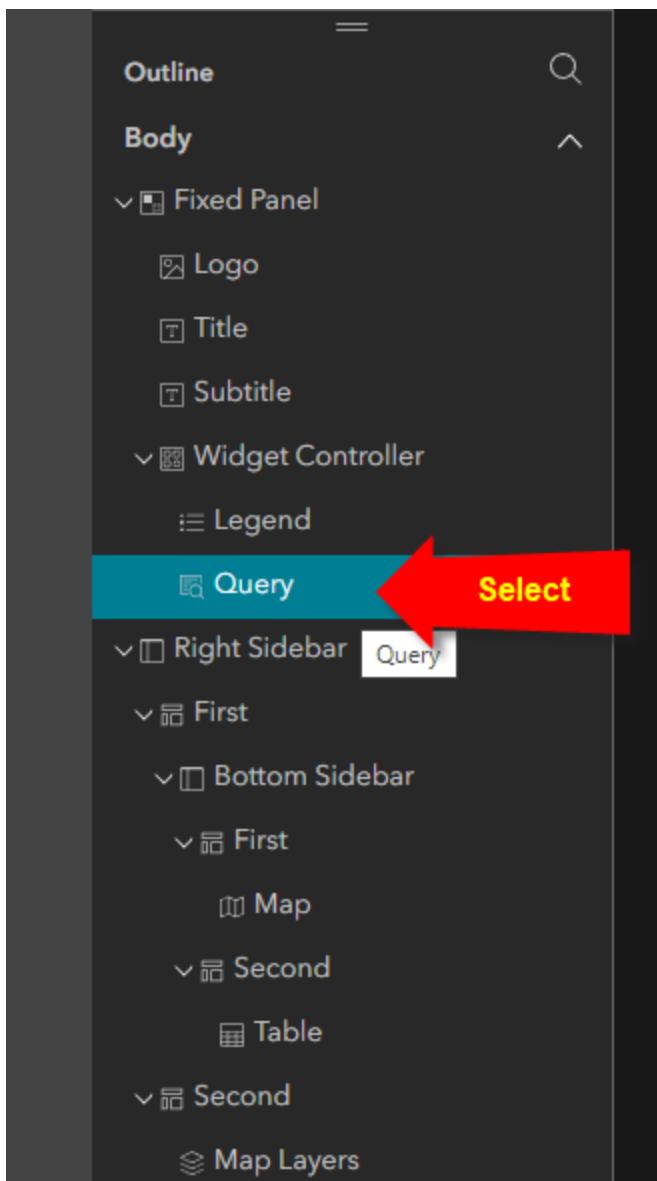
Add the Query Widget



Close the Add Widget Panel.

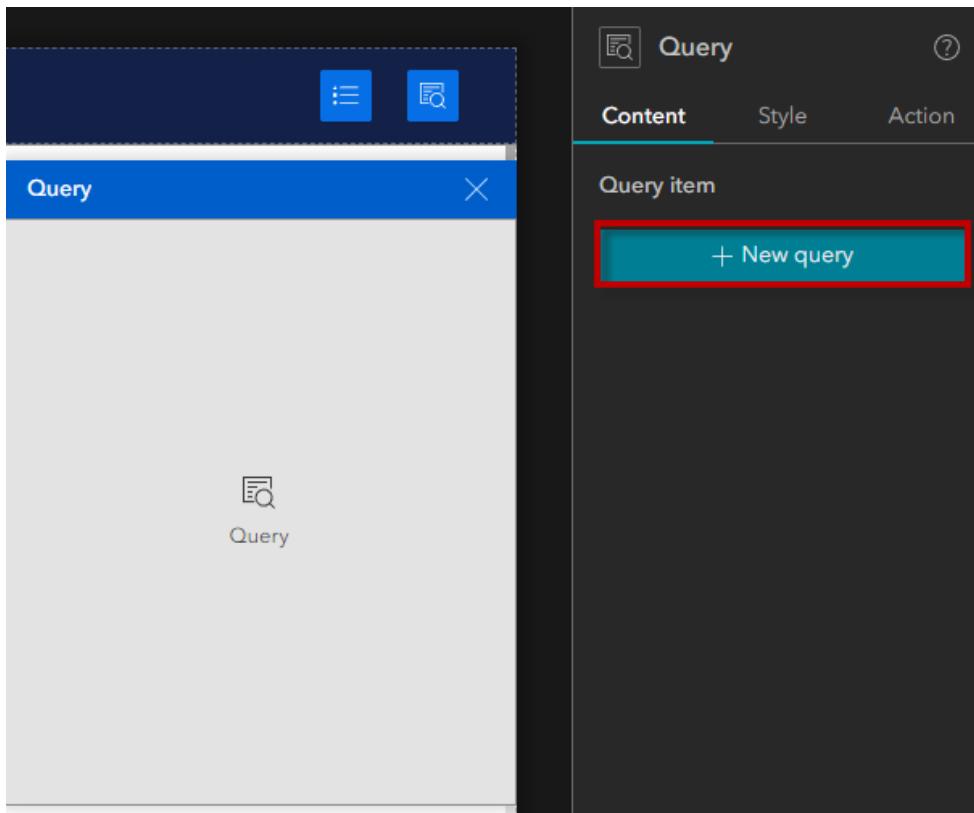


Select the **Query** widget from the Page Outline.

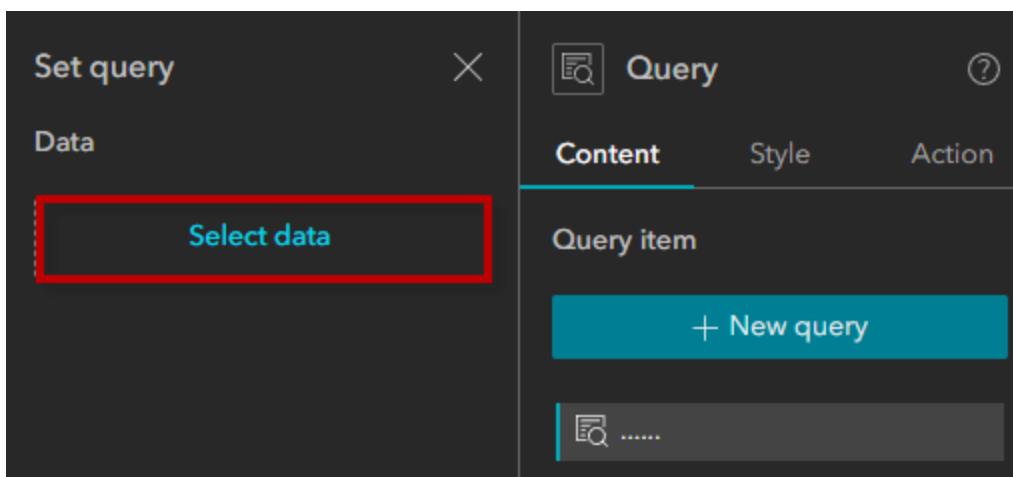


## Add the Parcel Query

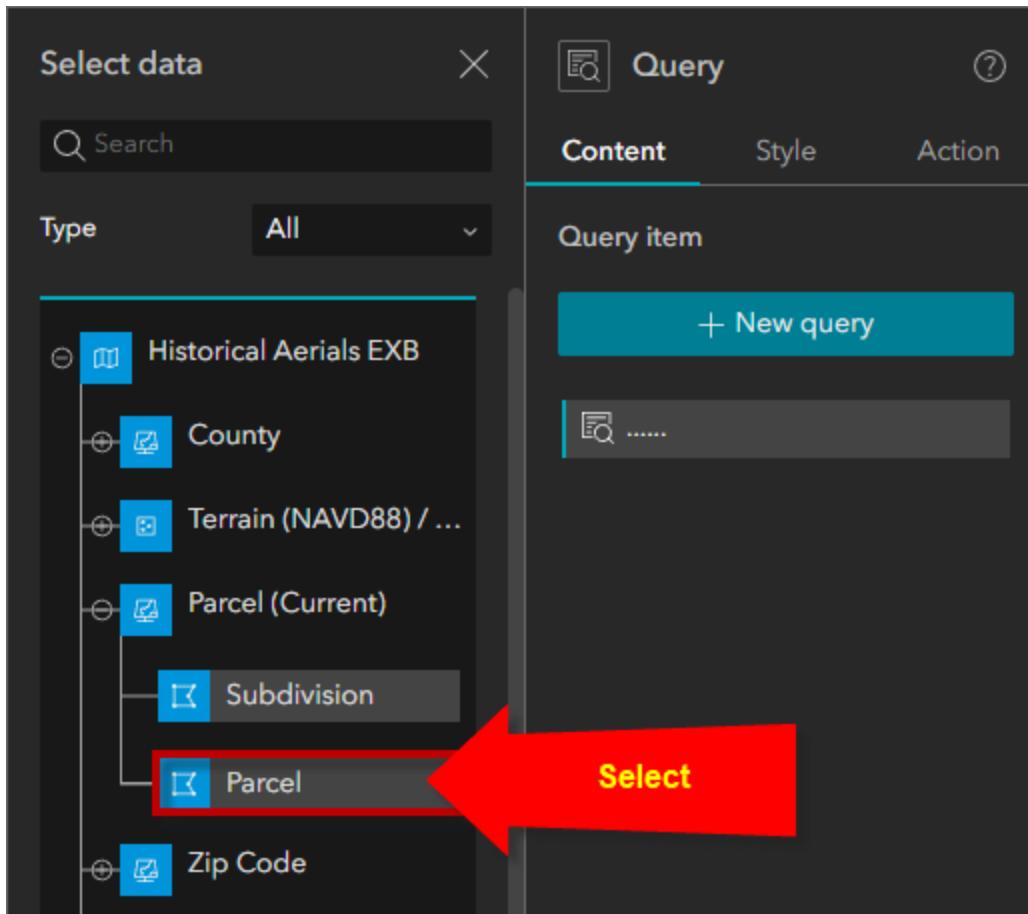
### Add New Query



### Select Data



Expand Parcel (Current) and select the nested Parcel Layer.



## SQL Expression Builder

The screenshot shows two side-by-side panels of a software application. The left panel is titled "Set query" and contains configuration options for a "Parcel" query. The right panel is titled "Query" and displays a list of "Query item"s.

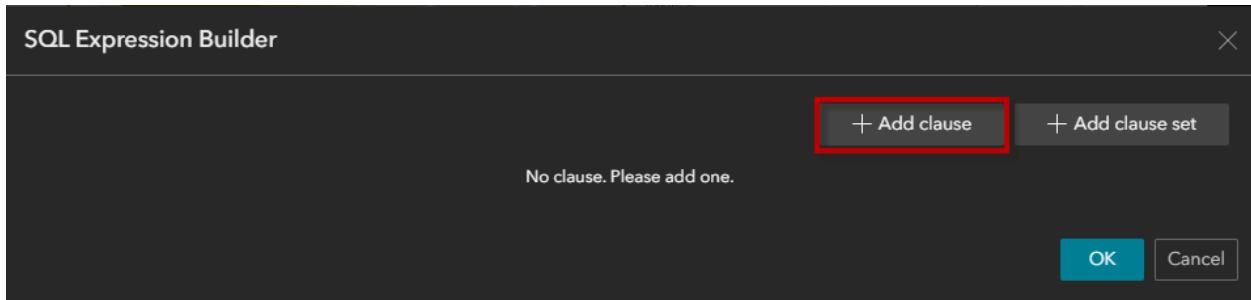
**Set query Panel:**

- Data:** A dropdown menu showing "Parcel" and "Default".
- Label:** A text input field containing "Parcel".
- Display label:** A toggle switch that is turned on.
- Icon:** A button labeled "Select icon".
- Attribute filter:** A toggle switch that is turned on.
- Label:** A text input field containing "Attribute filter".
- Add SQL expressions to your query:** A button labeled "SQL Expression Builder" which is highlighted with a red border.
- Note:** A message box stating "Please add your SQL expressions first."

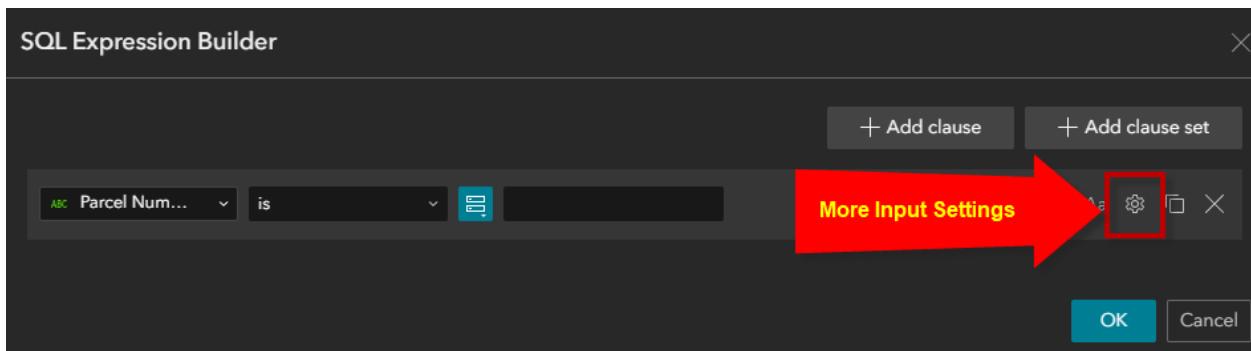
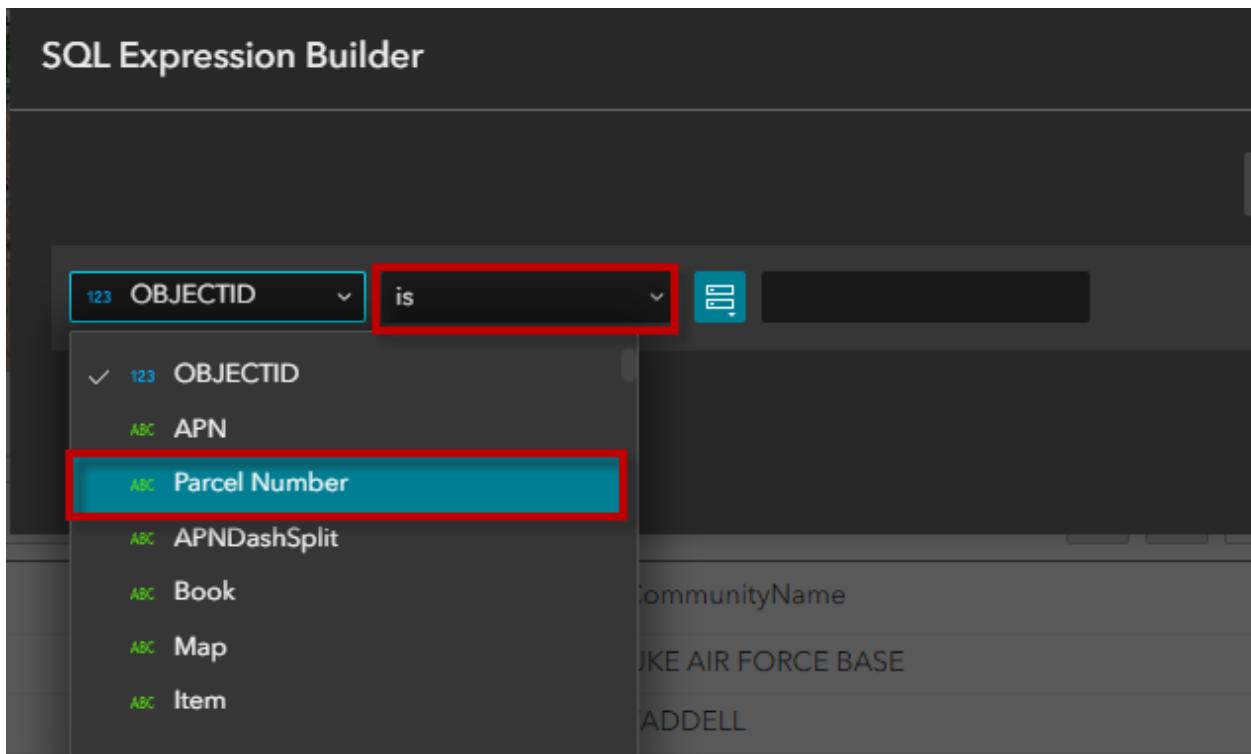
**Query Panel:**

- Content:** The active tab, showing a "Query item" named "Parcel".
- Style:** An unselected tab.
- Action:** An unselected tab.
- Query item:** A list containing "Parcel".
- Arrangement style:** A section showing three grid layout options, with the first one highlighted with a cyan border.
- Result style:** A section showing "List direction" and "Paging Style".
- List direction:** A dropdown menu showing "Multipage" and "Vertical".
- Paging Style:** A dropdown menu showing "Multipage" and "Vertical".
- Number of records per page:** A numeric input field set to "100".

Add Clause



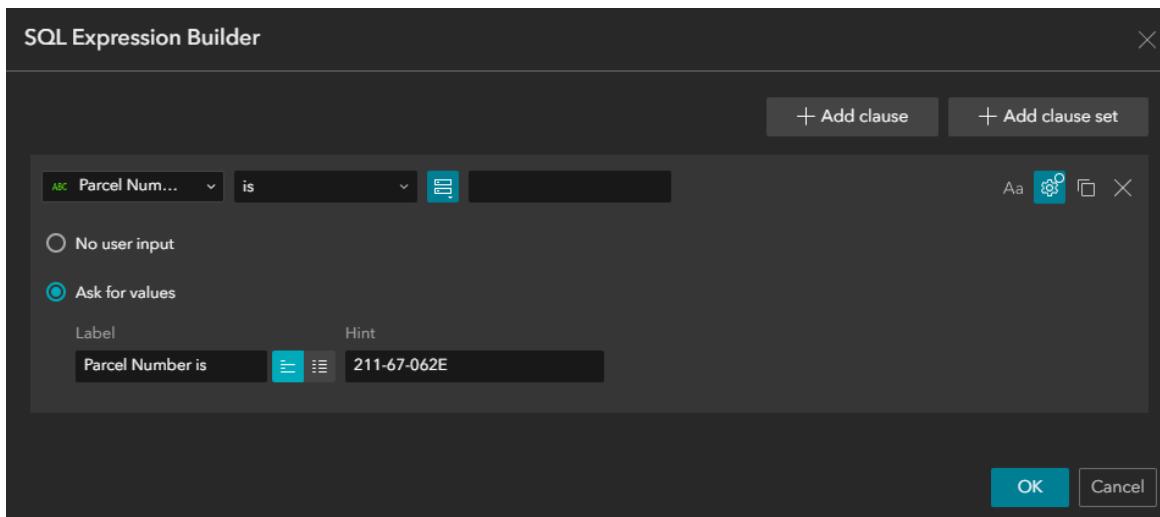
Parcel Number is



## More Input Settings

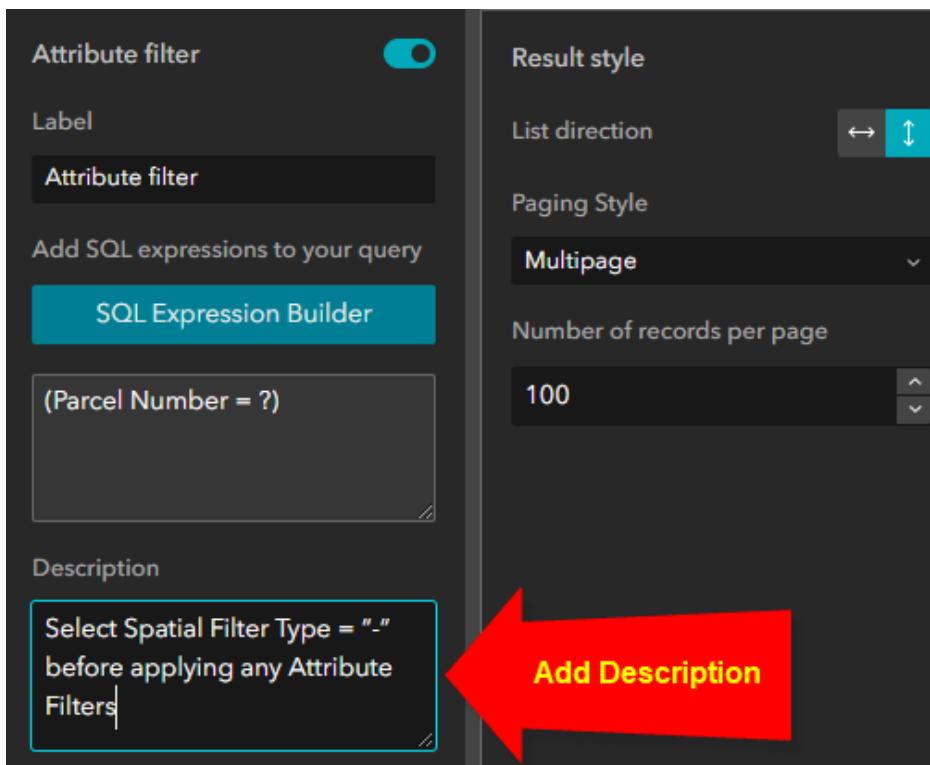
Ask for Values

Parcel Number is **211-67-062E**



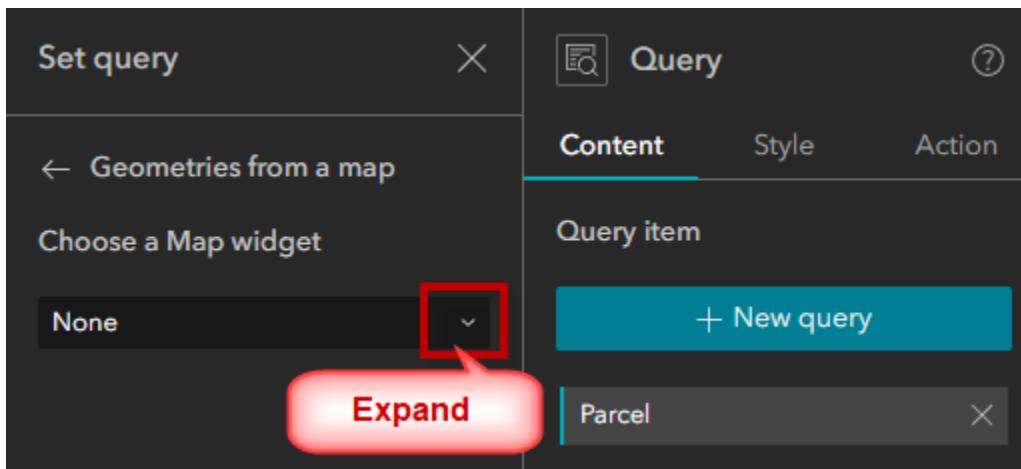
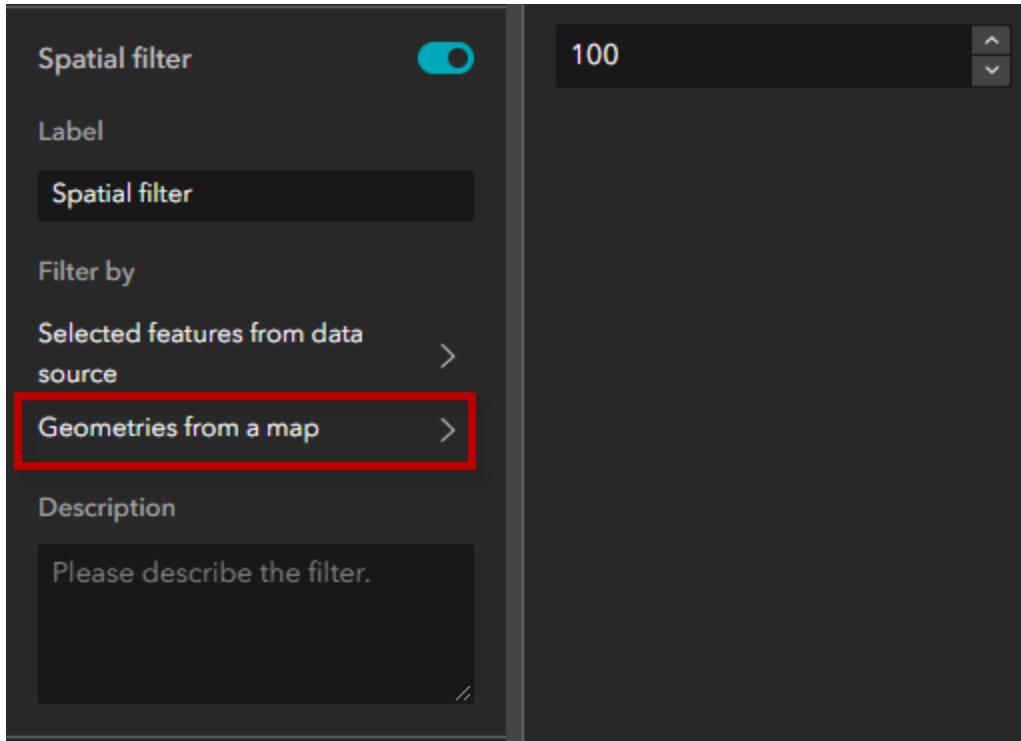
Description:

Select Spatial Filter Type = “-” before applying any Attribute Filters

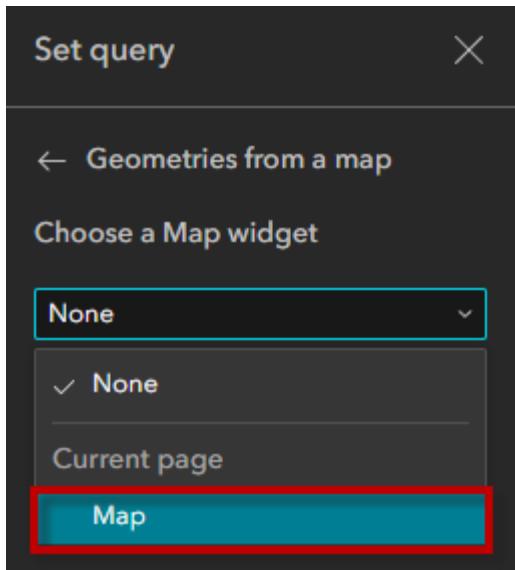


Enable Spatial Filter.

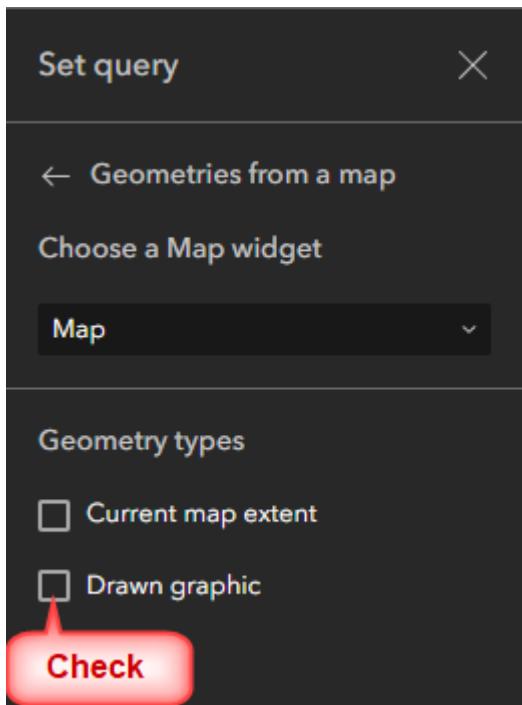
Select Geometries from a Map



Choose a Map widget = Map



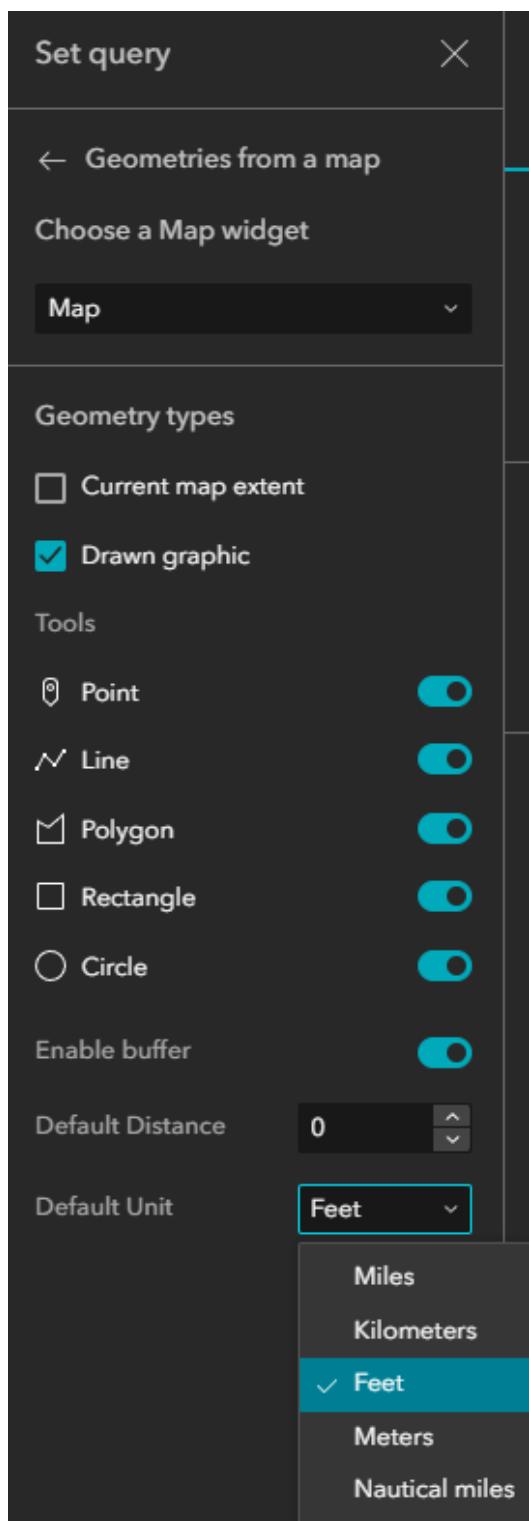
Check Drawn graphic



Enable Buffer

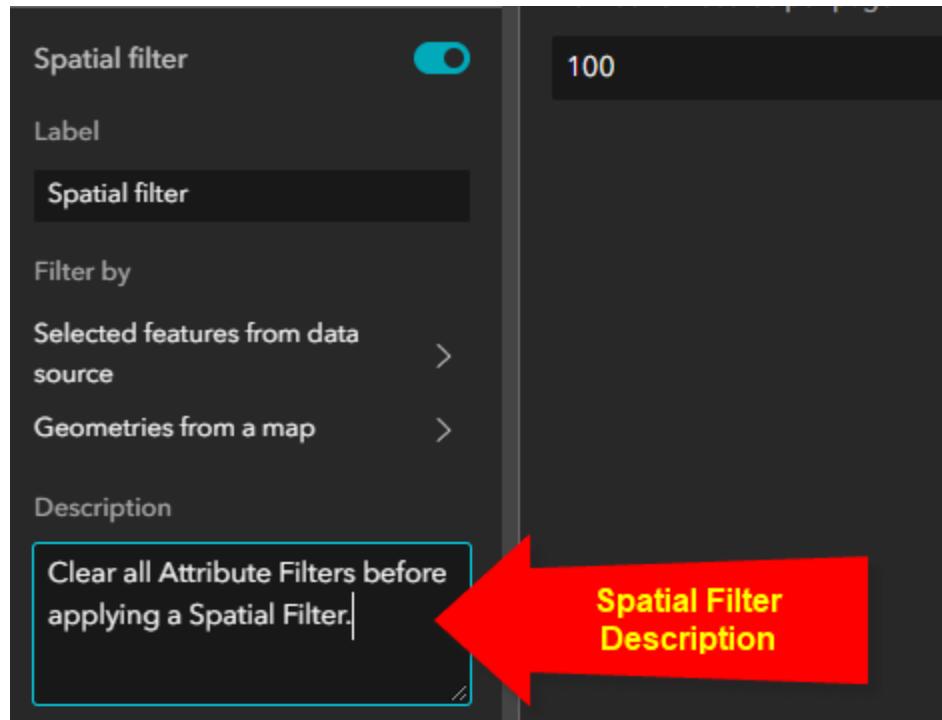
Default Distance = 0

Default Unit = Feet

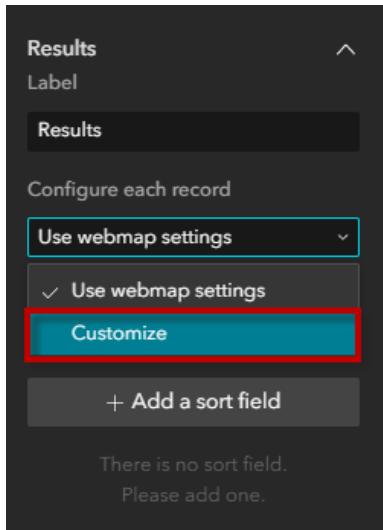


Spatial Filter Description:

Clear all Attribute Filters before applying a Spatial Filter.



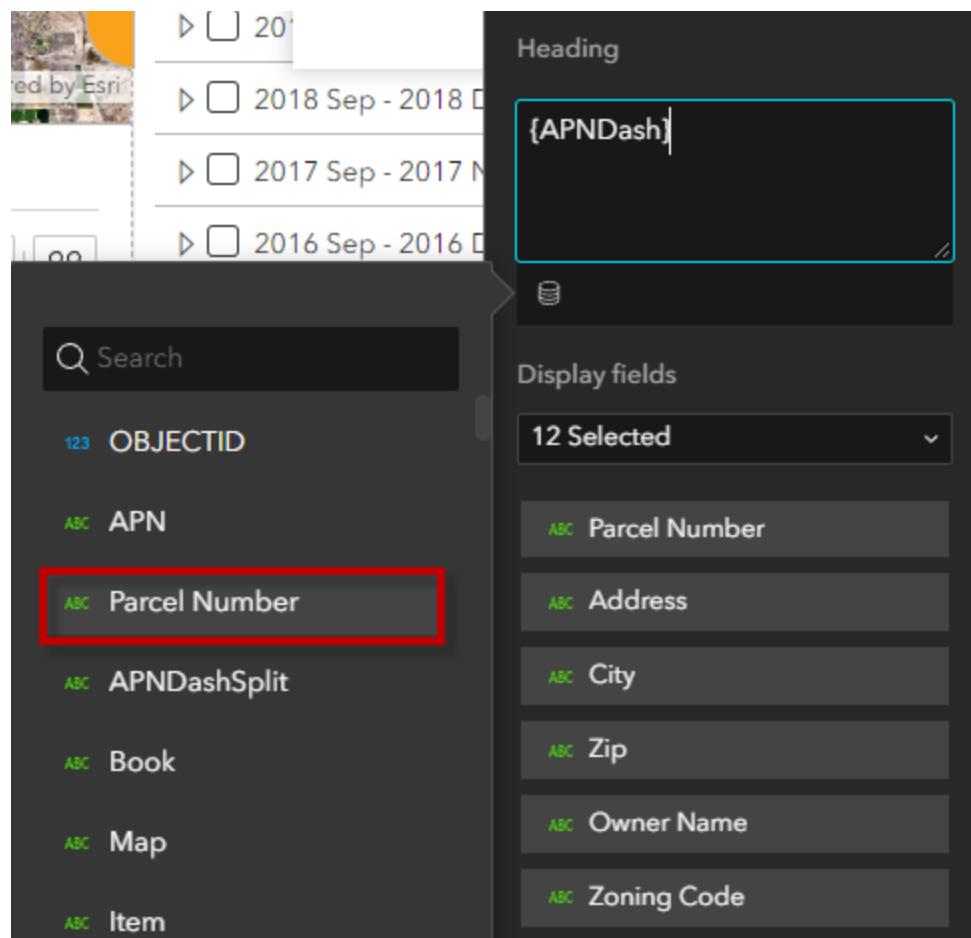
## Results | Customize



Select your Heading

The screenshot shows the 'Heading' configuration panel. It includes an 'Expand by default' checkbox, a 'List direction' section with a double-headed arrow icon, a 'Paging Style' dropdown set to 'Multipage', a 'Number of records per page' input field showing '100', and a 'Display fields' section. The 'Display fields' section has a red box around its icon and a large red arrow points from the text 'Heading' towards it.

Heading = {APNDash}

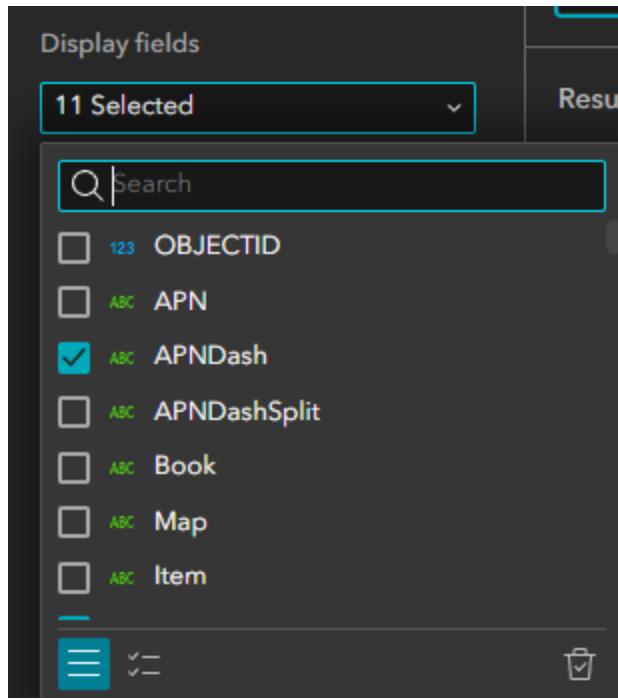


## Select your Display Fields

Display fields

12 Selected

- ABC Parcel Number
- ABC Address
- ABC City
- ABC Zip
- ABC Owner Name
- ABC Zoning Code
- ABC MCRWebLink
- ABC SubdivisionName
- ABC Assessor Web Link
- ABC Treasurer Web Link
- 123 Lot Size Sq.ft.
- ABC Building Sketch Web Link



Select the following 20 Display Fields.

Sort them in this order.

### Set query

Display fields

20 Selected

- ABC Parcel Number
- ABC Address
- ABC City
- ABC Zip
- ABC Owner Name
- ABC Zoning Code
- ABC SubdivisionName
- ABC MCRNumber
- ABC MCRWebLink
- DeedDate
- ABC DeedNumber
- ABC DeedWebLink
- SaleDate
- 123 SalePrice
- ABC SaleAffidavitWebLink
- ABC Assessor Web Link
- ABC Treasurer Web Link
- ABC Building Sketch Web Link
- 123 Lot Size Sq.ft
- 123 LotSize\_Acre

### Query

Content Style Action

Query item

+ New query

Parcel

Arrangement style

List direction

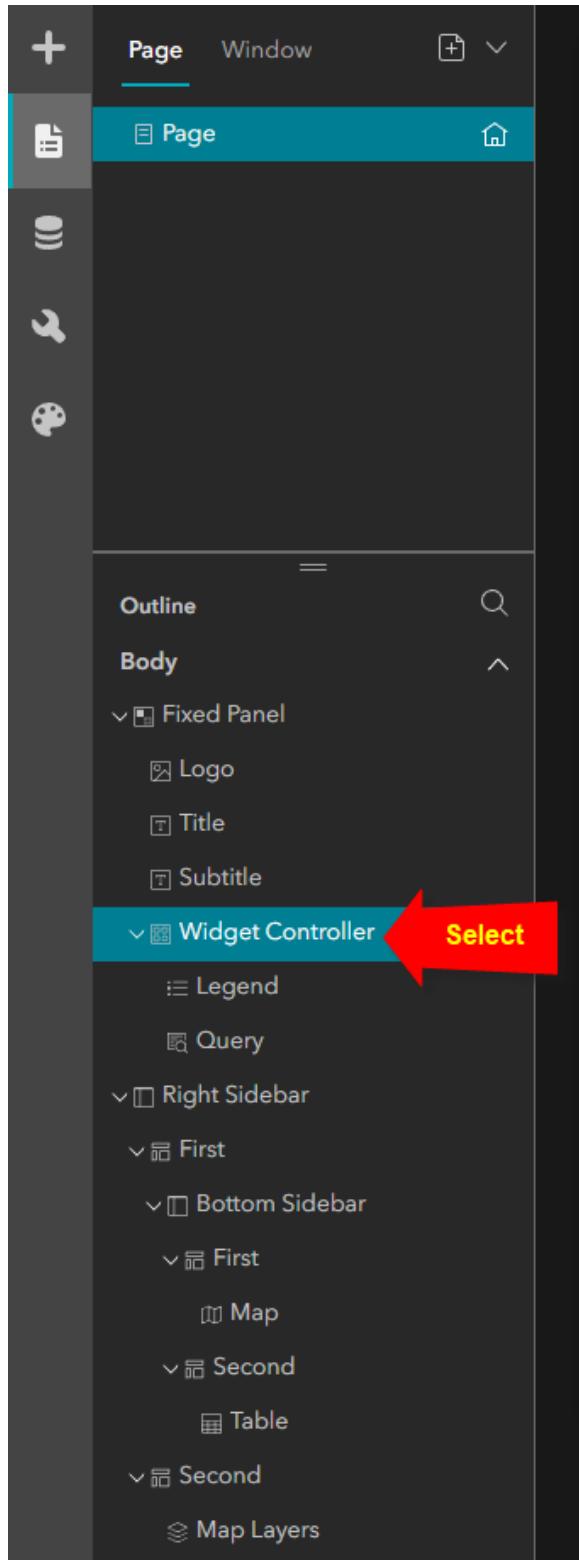
Paging Style

Multipage

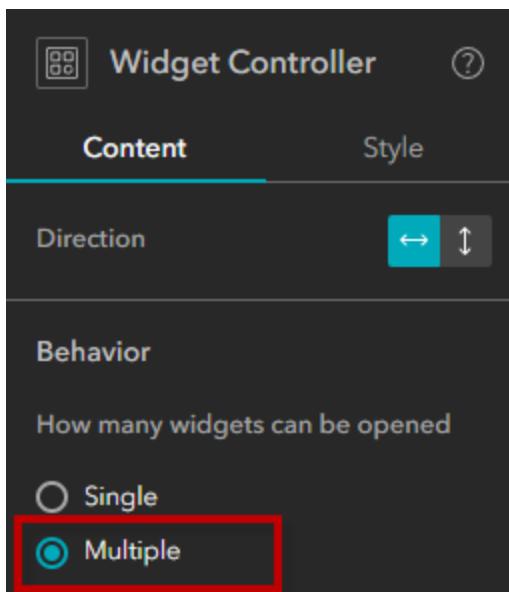
Number of records per page

100

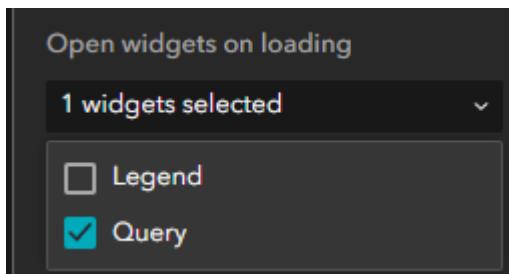
Select the Widget Controller.



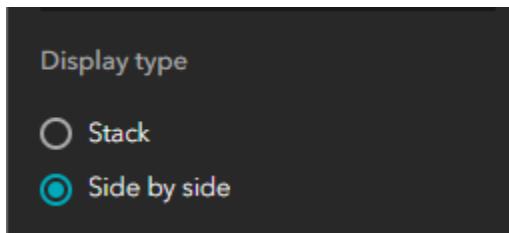
How many widgets can be opened = **Multiple**



Open the Query Widget on Loading



Display Type = Side by side



Save, Publish, View Published Item

<https://localhost:3001/experience/3/>

The screenshot shows the Maricopa County Historical Aerials v4 application. At the top, there's a navigation bar with the county logo and the title "Historical Aerials v4". Below the title is a search bar labeled "Query" with the word "Parcel" inside. Underneath the search bar is an "Attribute filter" section with a dropdown menu set to "Parcel Number is" and a text input field containing the value "211-67-062E". There are "Apply" and "Reset" buttons below the input field. To the right of the map is a sidebar with a list of checkboxes for querying data, such as "County", "Terrain (NAVD88)", "Parcel (Current)", etc. The main area shows a historical aerial map of Phoenix, with roads labeled 10, 143, and 60. A red callout bubble points to the "Query Widget open by default" button on the map.

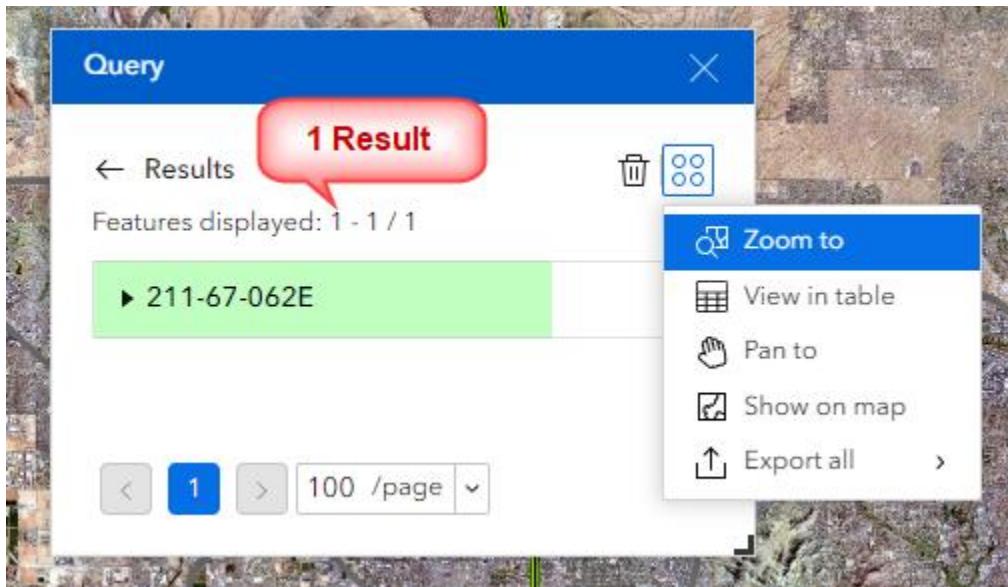
Enter the example Parcel Number = 211-67-062E

This screenshot shows the "Query" dialog box from the previous interface. The dialog has a blue header with the word "Query" and a close button. Below the header is a section titled "Parcel" with an "Attribute filter" dropdown set to "Parcel Number is". The input field contains the value "211-67-062E", which is highlighted with a green background. Below the input field are two buttons: "Apply" and "Reset". The background of the dialog shows a faint map of the area.

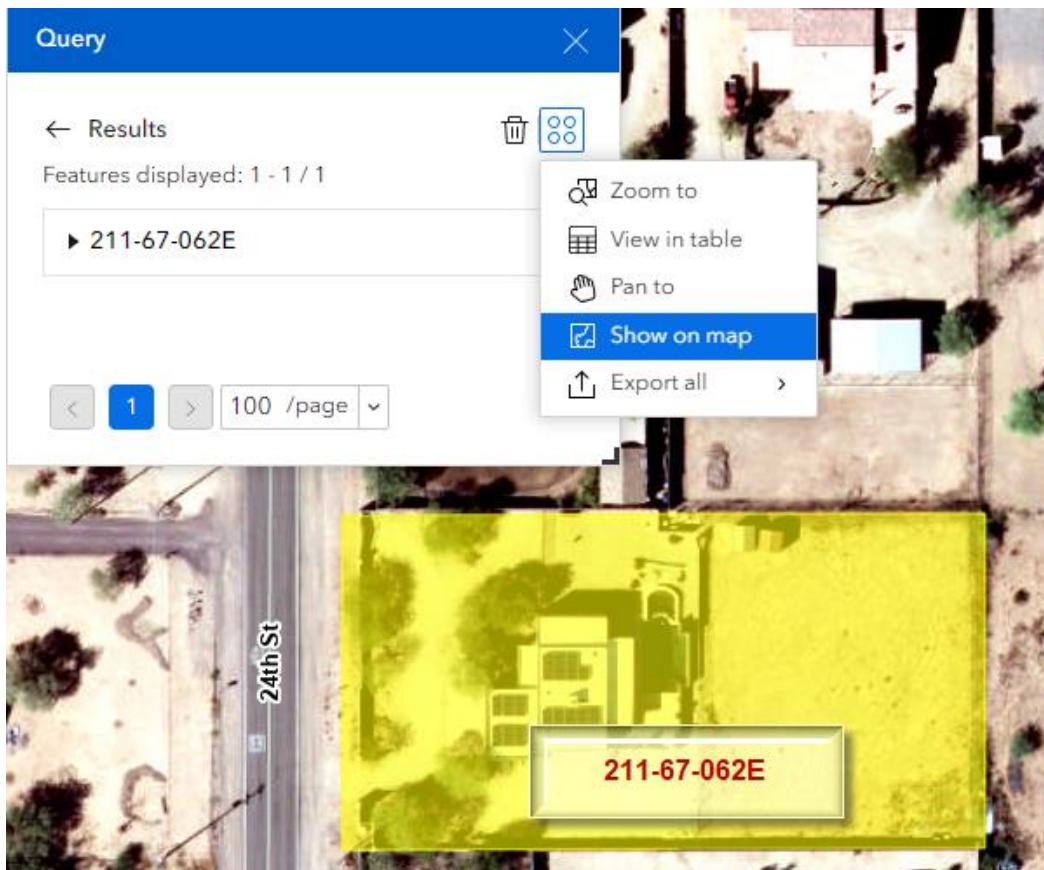
Apply

1 Parcel is found.

Action Menu | Zoom To



Action Menu | Show on Map



Expand the Result to see all 20 Parcel Attributes.

Query

← Results      88 | 88

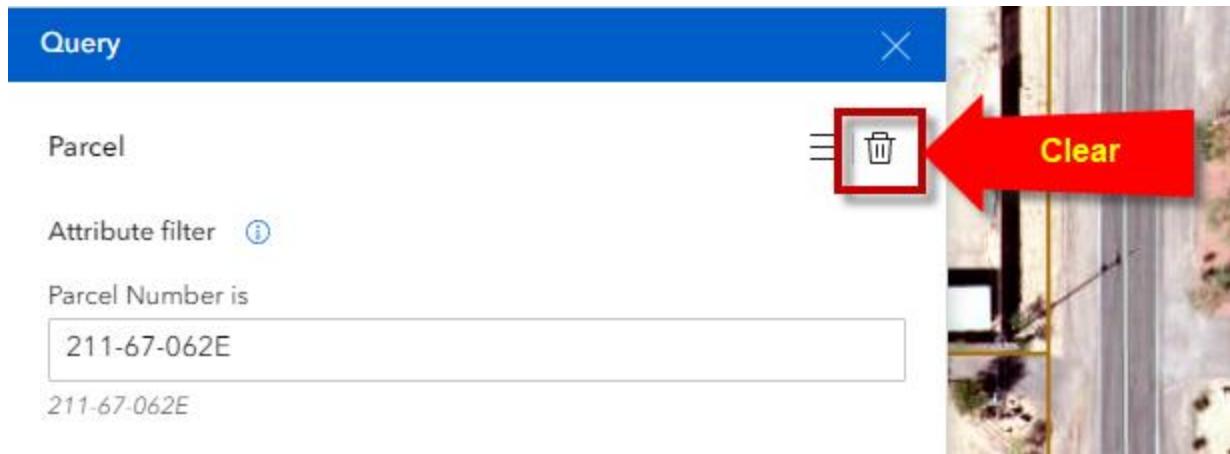
Features displayed: 1 - 1 / 1

211-67-062E	
Parcel Number	211-67-062E
Address	36317 N 24TH ST
City	PHOENIX
Zip	85086
Owner Name	STAUFFER STEVEN T/LESLIE A
Zoning Code	RU-43
SubdivisionName	
MCRNumber	
MCRWebLink	
DeedDate	5/15/2022, 5:00 PM
DeedNumber	20220422576
DeedWebLink	<a href="#">View</a>
SaleDate	4/30/2022, 5:00 PM
SalePrice	890,000.00
SaleAffidavitWebLink	<a href="#">View</a>
Assessor Web Link	<a href="#">View</a>
Treasurer Web Link	<a href="#">View</a>
Building Sketch Web Link	<a href="#">View</a>
Lot Size Sq.ft	46,814
LotSize_Acre	1.07

◀ 1 ▶ 100 /page ▼

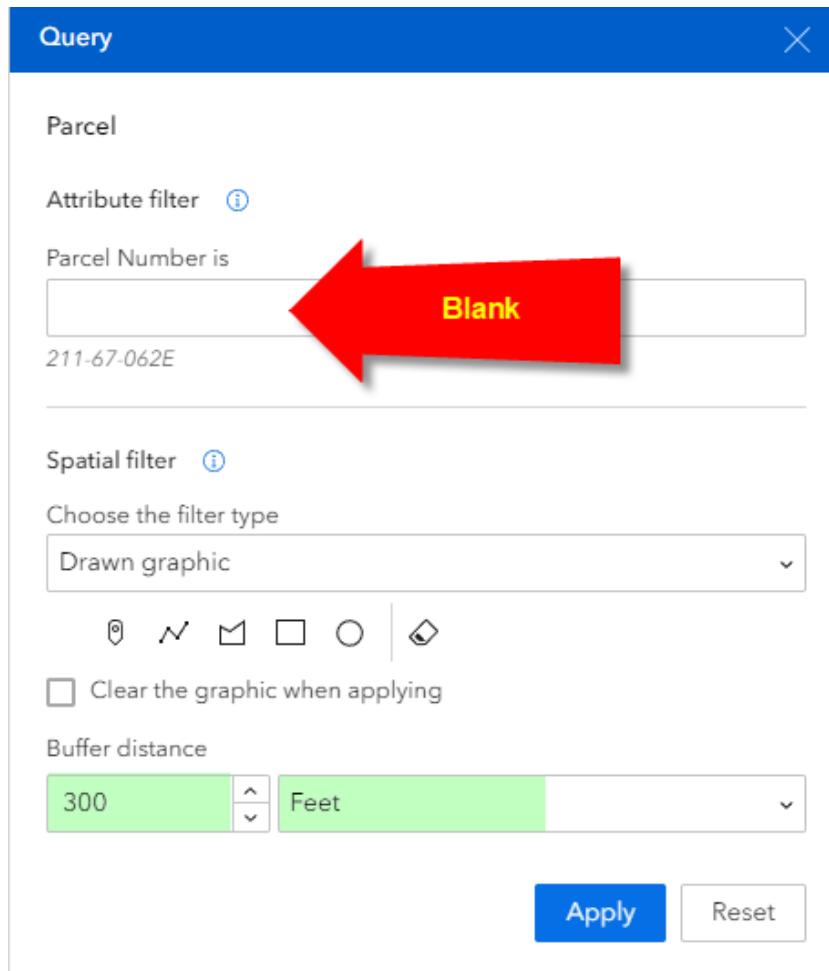


## Clear the Results



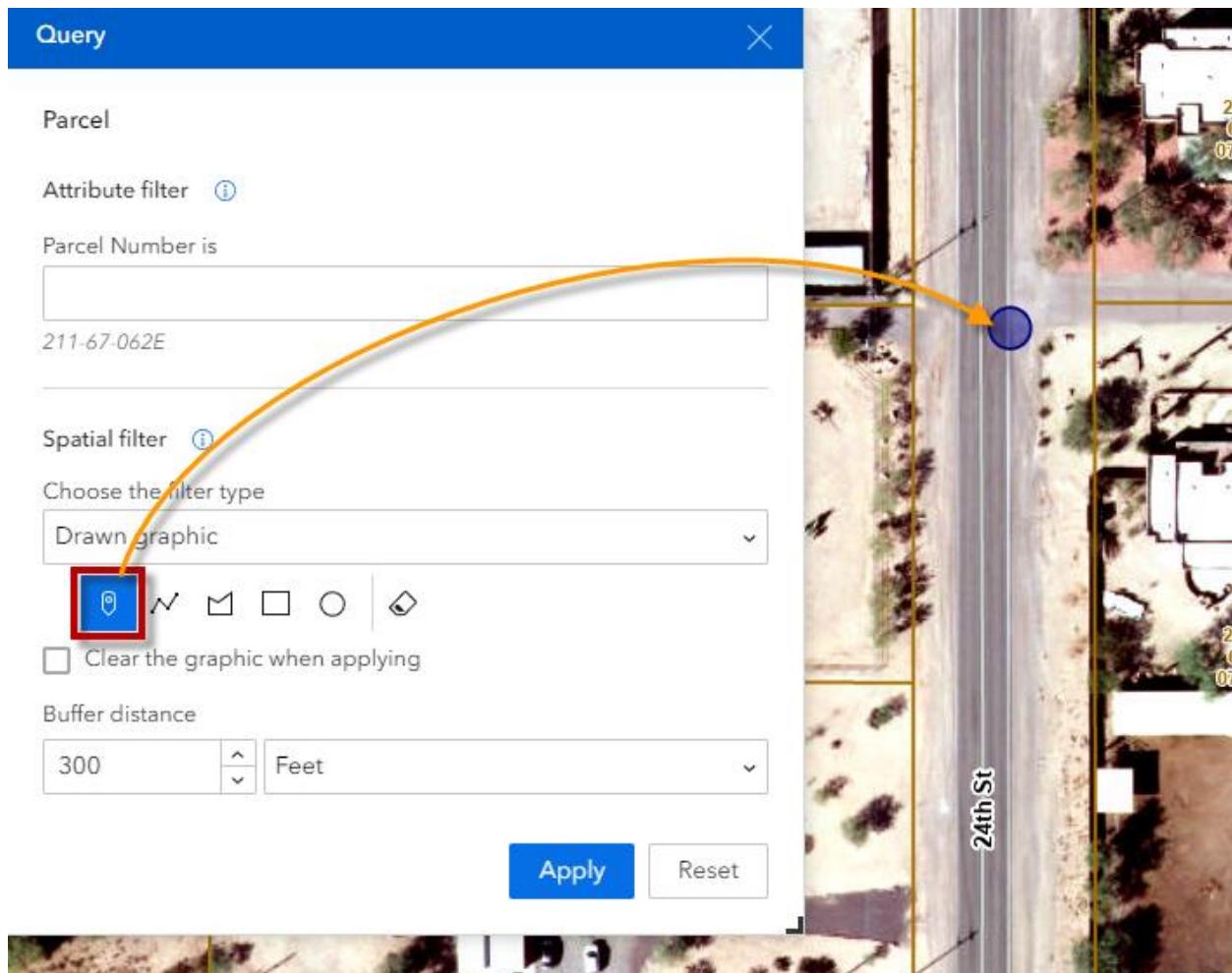
## Clear the Attribute Filter.

Apply a buffer distance of 300 feet.



Engage the Draw a Point Tool.

Drop a point on the map.



A 300 feet purple buffer is drawn.

The screenshot shows a GIS application interface with a 'Query' search bar at the top. In the search bar, the word 'Parcel' is typed. Below the search bar, there is an 'Attribute filter' section with a dropdown menu set to 'Parcel Number is' containing the value '211-67-062E'. Underneath this is a 'Spatial filter' section with a dropdown menu set to 'Drawn graphic'. A large purple circular buffer is drawn around a specific parcel on the map. The buffer has a radius of 300 ft, indicated by a red arrow and the text '300 ft' in yellow. The map displays various parcels, roads, and other geographical features. The buffer covers several adjacent parcels, including one labeled '24th St'.

Apply

Turn on the Parcel Layer.

The screenshot shows a GIS application interface with a legend on the right side. The legend items are: 'County' (checked), 'Terrain (NAVD88)' (unchecked), 'Parcel (Current)' (checked and highlighted with a green background), 'Zip Code' (unchecked), and 'City' (unchecked). The main map area shows parcels with labels like '211 67 061A' and '211 67 061B'. The 'Parcel (Current)' layer is currently active, as indicated by the checked checkbox and the green highlight.

There are 7 Parcels within 300 feet of the point you dropped on the map.

Query

← Results

Features displayed: 1 - 7 / 7

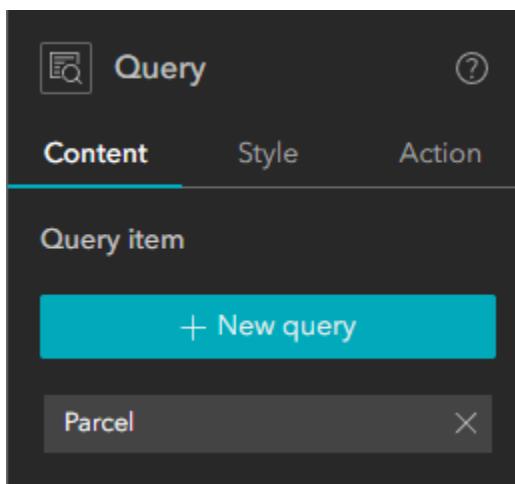
- ▶ 211-67-079B
- ▶ 211-67-079C
- ▶ 211-67-079E
- ▶ 211-67-079F
- ▶ 211-69-057D
- ▶ 211-69-060H
- ▶ 211-69-060G

< 1 > 100 /page ▾

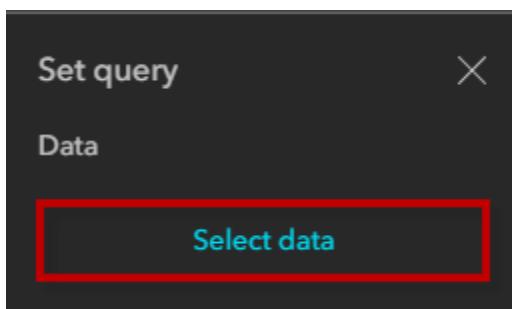
24th St

## Add the Subdivision Query

Add New Query



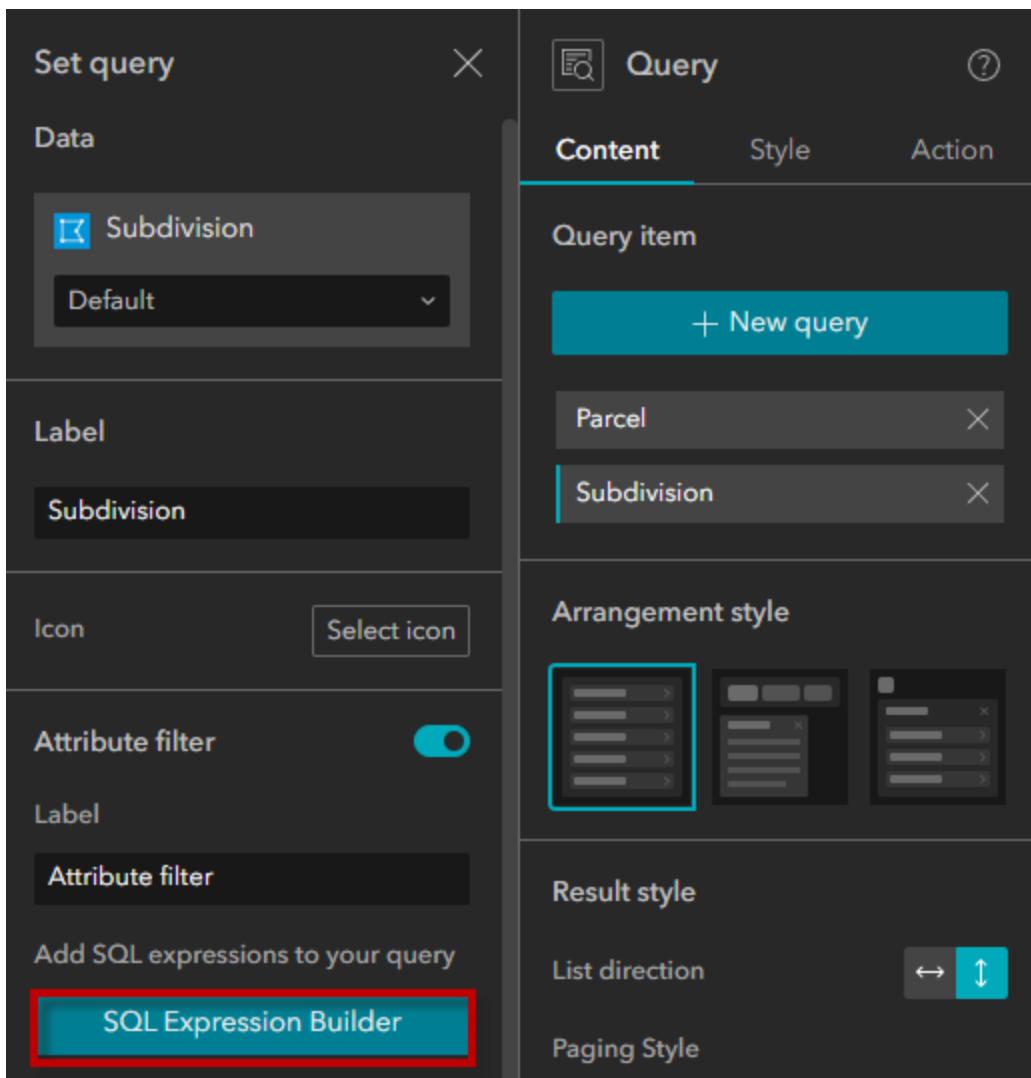
Select data



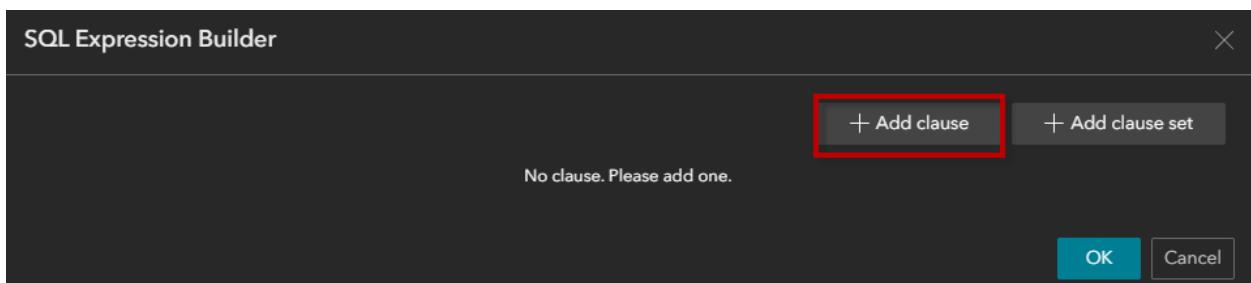
## Select Subdivision

The screenshot shows two overlapping interface panels. On the left is the 'Select data' panel, which displays a hierarchical tree view of spatial data layers. The tree includes categories like 'Historical Aerials EXB', 'County', 'Terrain (NAVD88) / ...', 'Parcel (Current)', 'Zip Code', and 'City'. Under 'Parcel (Current)', the 'Subdivision' item is selected and highlighted with a red border. On the right is the 'Query' panel, which has tabs for 'Content', 'Style', and 'Action'. The 'Content' tab is active, showing a 'Query item' section with a 'New query' button and a list containing 'Parcel' and another partially visible item. Below this is an 'Arrangement style' section with three grid layout options, where the first option is highlighted with a cyan border. At the bottom of the 'Content' panel are 'Result style' and 'List direction' settings.

## SQL Expression Builder

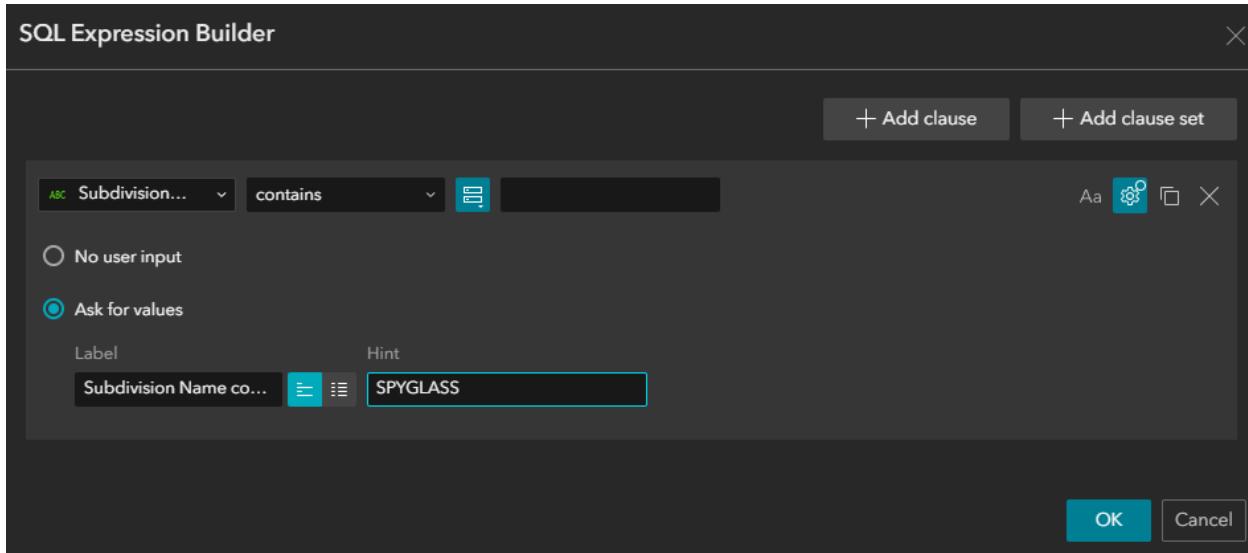


Add clause



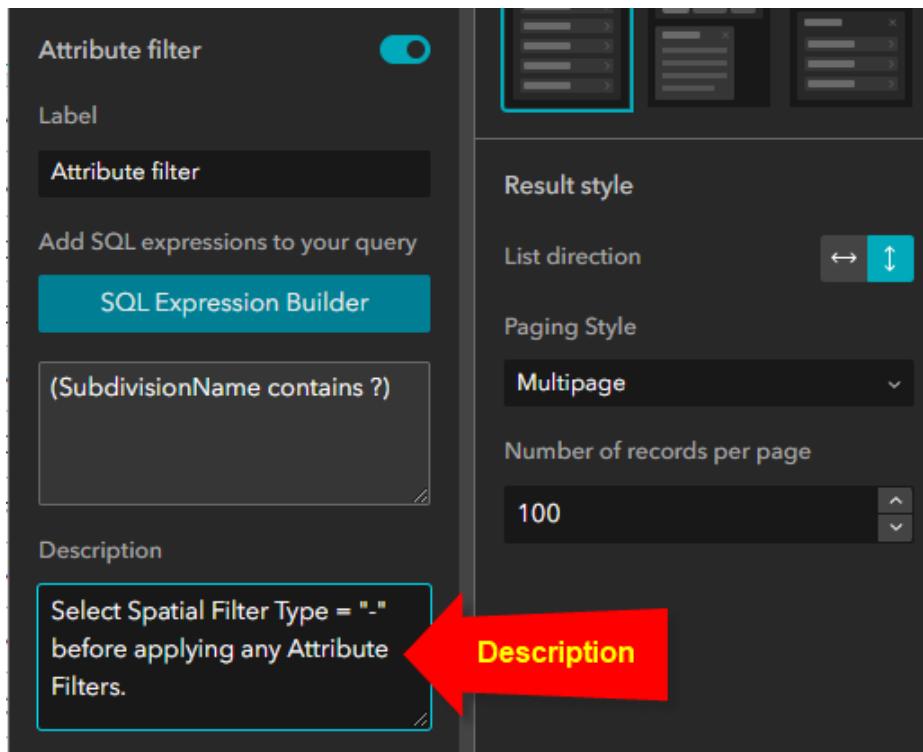
Subdivision Name Contains

Hint SPYGLASS



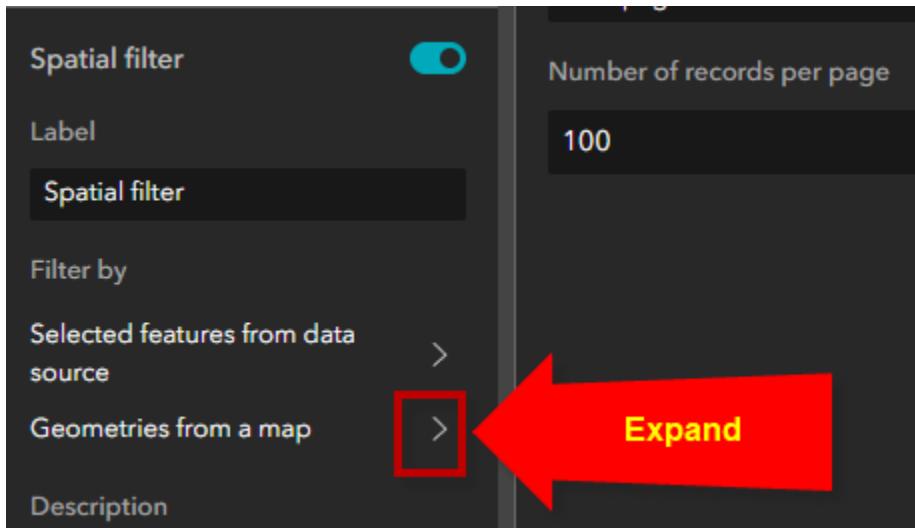
Attribute Filter Description:

Select Spatial Filter Type = "-" before applying any Attribute Filters.

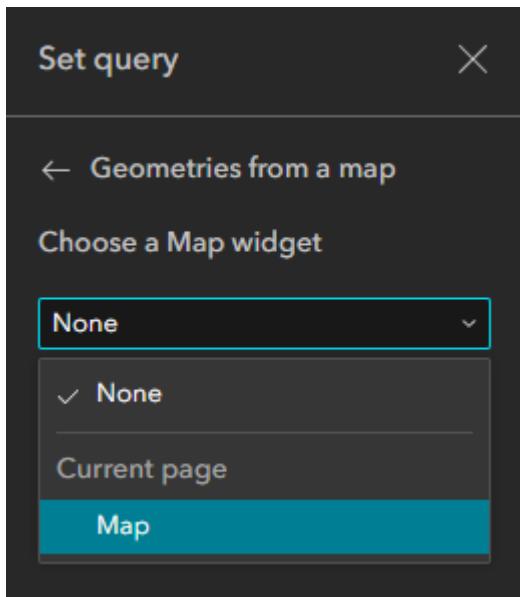


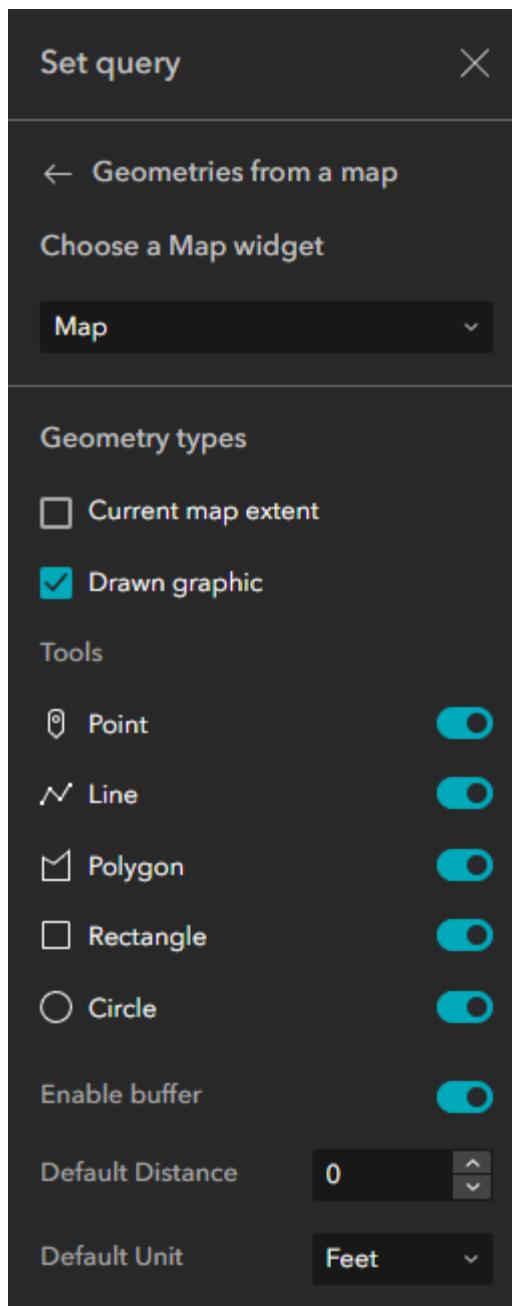
Turn on the Spatial Filter

Filter by Geometries from a map.



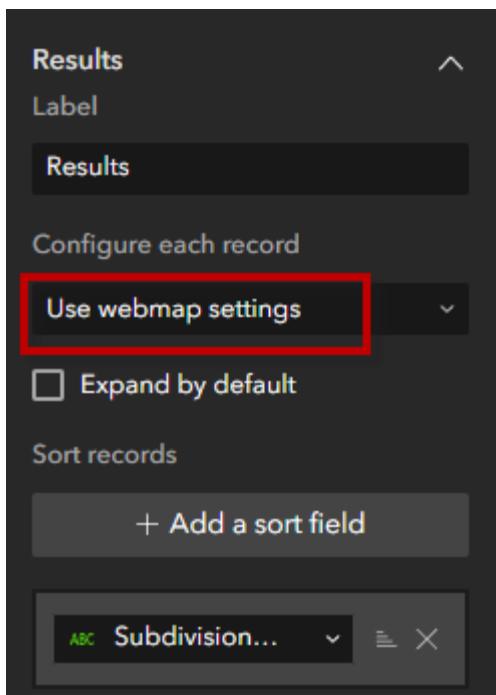
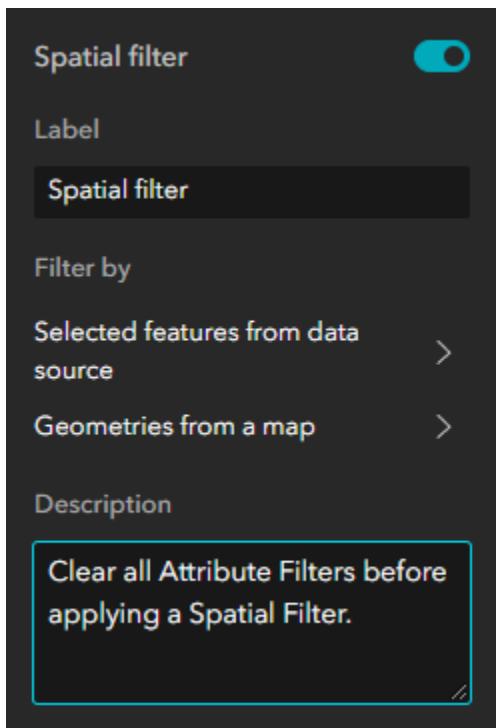
Choose Map widget = Map





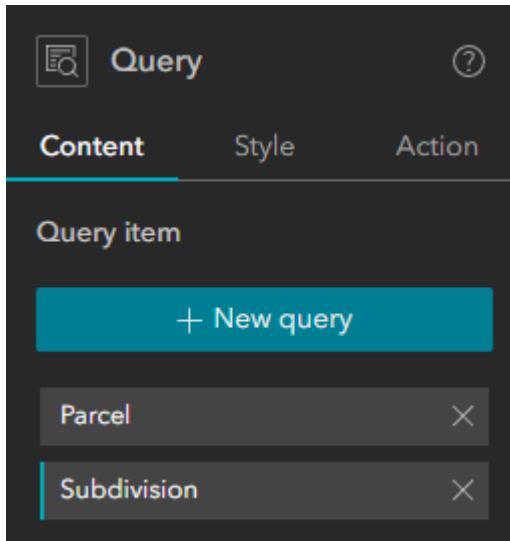
Spatial Filter Description:

Clear all Attribute Filters before applying a Spatial Filter.



## Add the ZIP Code Query

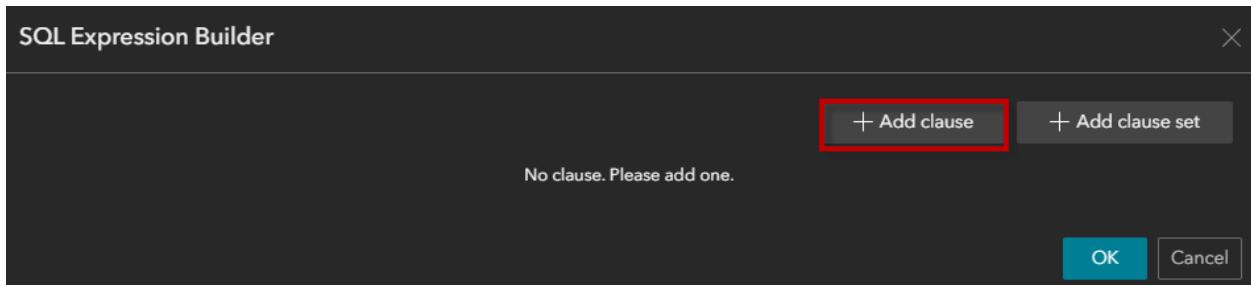
Add New Query



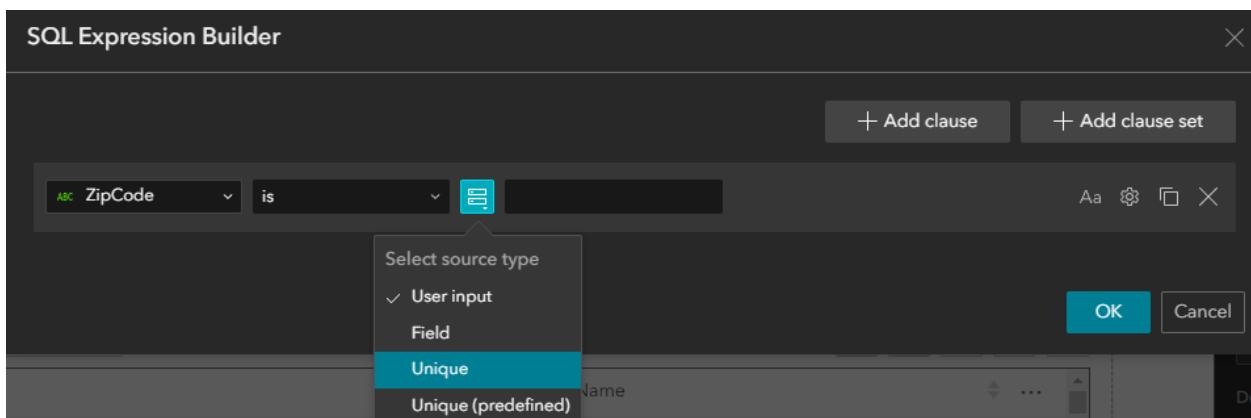
The screenshot shows a 'Select data' interface on the left and a 'Query' interface on the right. The 'Select data' interface has a search bar at the top and a 'Type' dropdown set to 'All'. On the left, there's a tree view of spatial data types: 'Parcel Map EXB' (expanded), 'Parcel' (under it), 'ZIP Code' (expanded), 'ZIP Code' (selected and highlighted with a red border), 'City', 'Township Range Sec...', 'Street / Street & Hig...', and 'County'. The 'ZIP Code' under 'ZIP Code' is also highlighted with a red border. The 'Query' interface on the right has a similar structure: a header with a magnifying glass icon, 'Query', and a help icon. It has 'Content' (selected), 'Style', and 'Action' tabs. The 'Content' tab shows 'Query item' with a '+ New query' button. Below it are 'Parcel' and 'Subdivision' entries. There's also a placeholder entry '.....'. The 'Arrangement style' section contains three grid icons, with the first one highlighted with a cyan border. The 'Result style' section is partially visible at the bottom.

## SQL Expression Builder

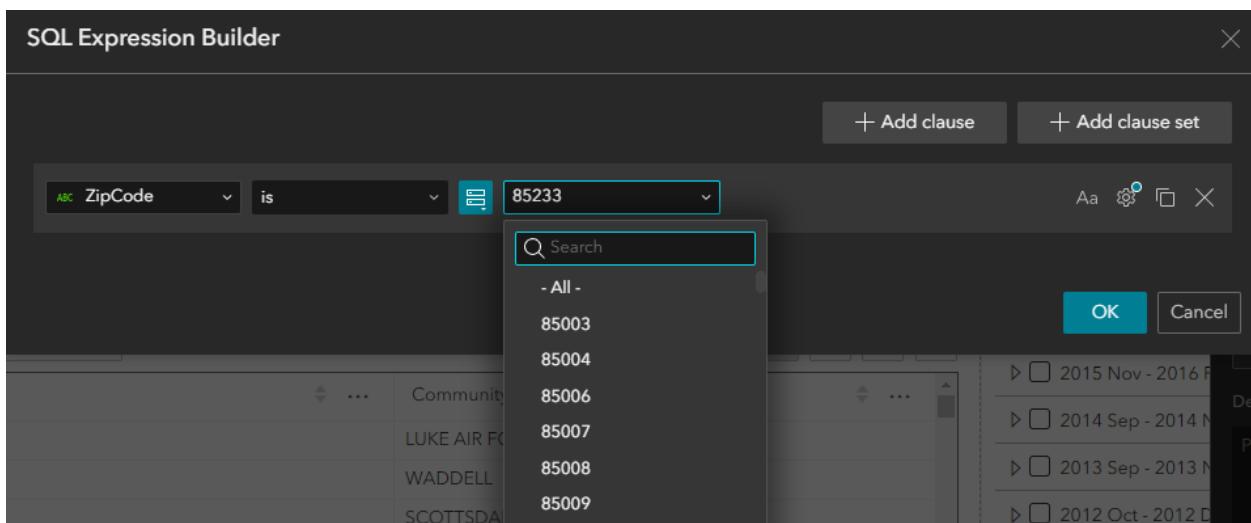
### Add Clause



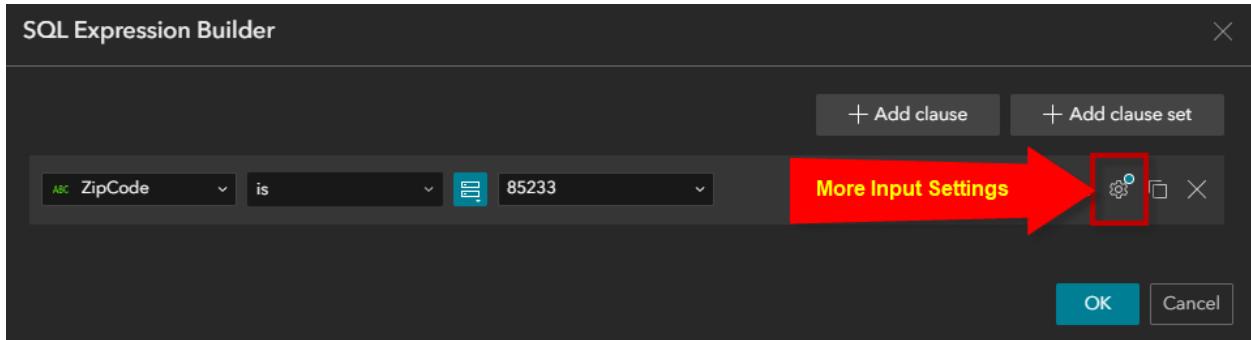
ZipCode is Unique



Zip Code is 85233

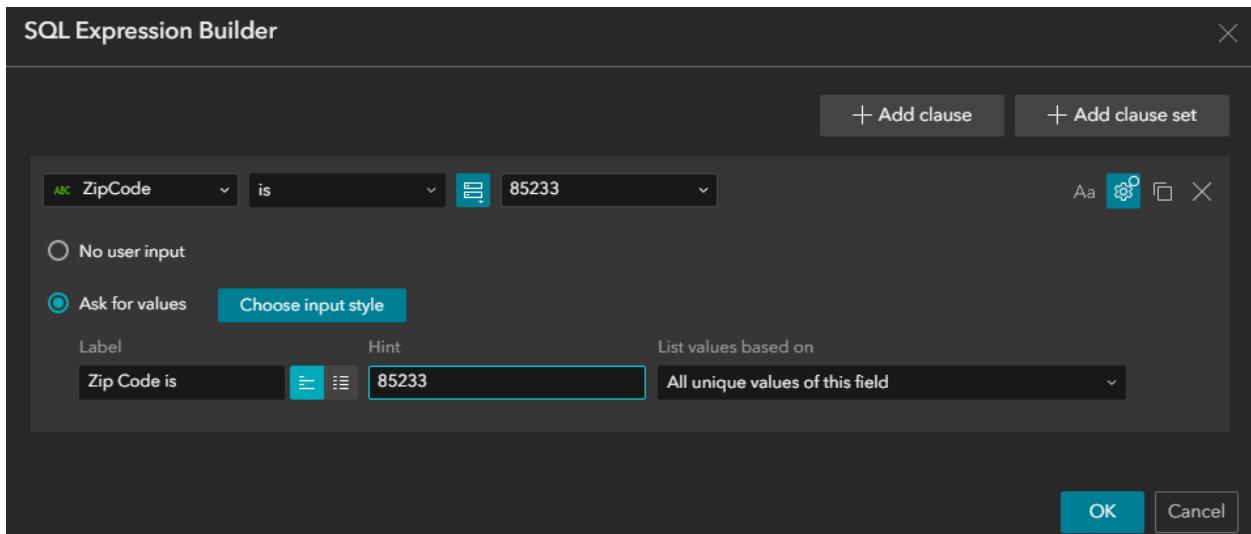


## More Input Settings



Ask for values

Hint = 85233



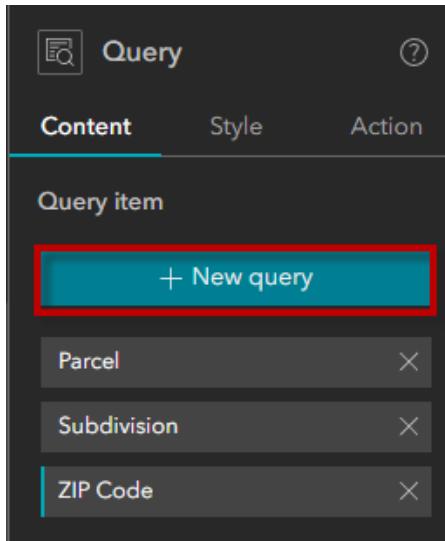
Turn off the Spatial Filter.

The screenshot shows the configuration interface for a REST API endpoint. On the left, under the 'Attribute filter' section, there is a 'Label' field and a 'SQL Expression Builder' button. Below it is a code editor containing the SQL expression: `(ZipCode = '85233')`. Under the 'Description' section, there is a text area with placeholder text: 'Please describe the filter.' On the right, there is a 'Spatial filter' section with a toggle switch that is currently turned on. A large red arrow points from the text 'Turn Off' towards this switch. Below the spatial filter, there is a 'Results' section with a 'Label' field and a dropdown menu set to 'Use webmap settings'. At the bottom of the results section is a checkbox for 'Expand by default'. The 'Arrangement style' and 'Result style' sections are also visible on the right side of the interface.

Configure each record = Use webmap settings

## Add the City Query

New Query



Select data

Type All

- Parcel Map EXB
  - Parcel
  - ZIP Code
  - City
    - City
    - Township Range Sec...
    - Street / Street & Hig...
    - County

Query

Content Style Action

Query item

+ New query

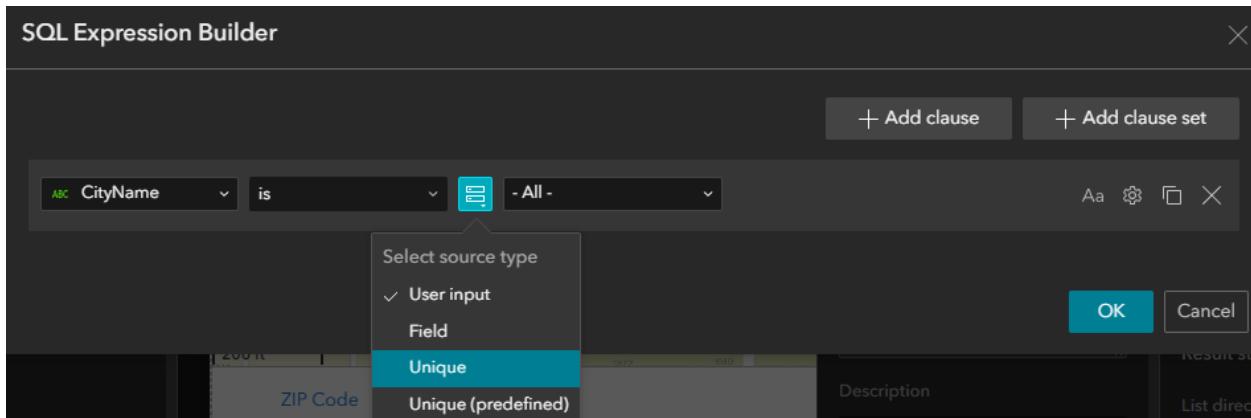
Parcel Subdivision ZIP Code

Arrangement style

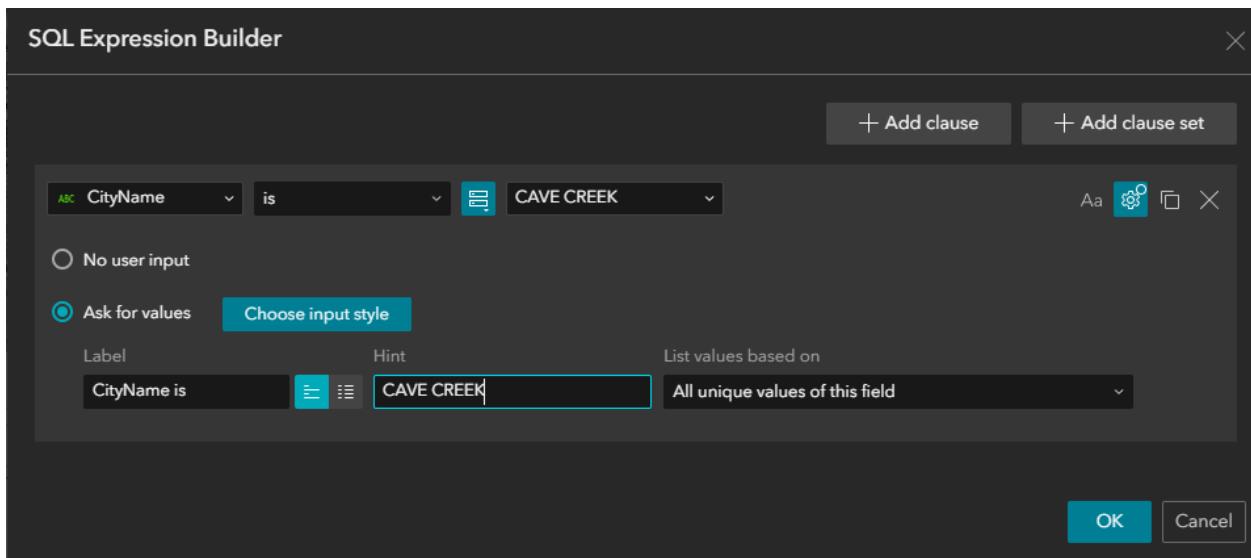
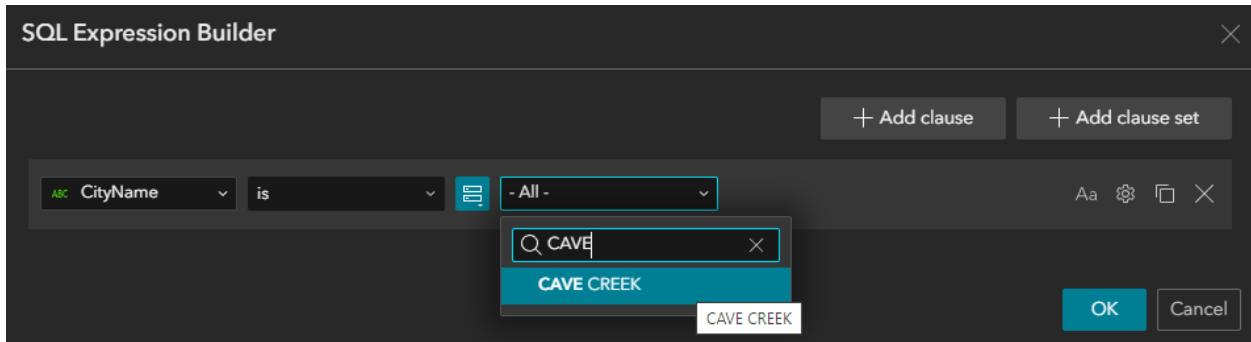
## SQL Expression Builder

### Add Clause

CityName is Unique



City Name is CAVE CREEK



Turn off the Spatial Filter

The screenshot shows the SQL Expression Builder interface. At the top, a teal header bar displays the title "SQL Expression Builder". Below the header, a large text input field contains the SQL expression: "(CityName = 'cave creek')". Underneath this field is a "Description" section with a placeholder text area labeled "Please describe the filter.". To the right of the description area is a toggle switch labeled "Spatial filter" which is currently turned off (indicated by a grey circle). The main content area is titled "Results" and includes a "Label" section with a dropdown menu set to "Results". Below the label section is a "Configure each record" section containing a dropdown menu set to "Use webmap settings" and a checkbox labeled "Expand by default" which is unchecked. Further down is a "Sort records" section with a button "+ Add a sort field" and a dropdown menu currently set to "CityName".

## Add the Township, Range, Section Query

Add New Query

Select Section Label

The screenshot shows two overlapping interface panels. The left panel is titled 'Select data' and lists various geographical features under a 'Type' dropdown set to 'All'. The right panel is titled 'Query' and shows a list of selected items under 'Query item'.

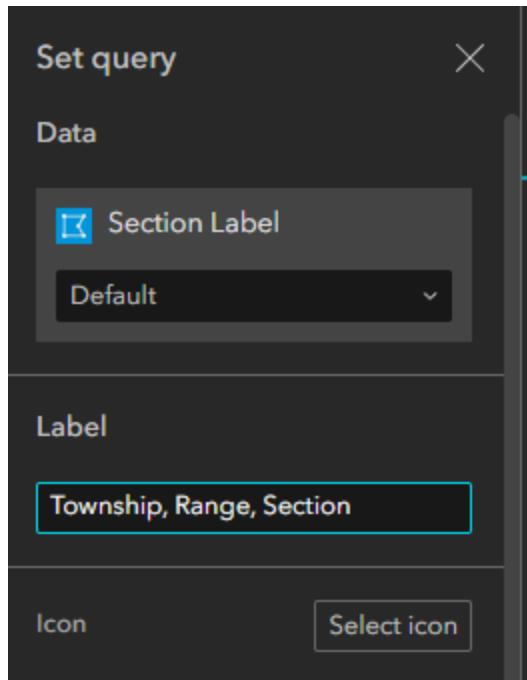
**Select data Panel:**

- Type: All
- Parcel Map EXB
  - Parcel
  - ZIP Code
  - City
- Township Range Sec...
  - Township & Ra...
  - Section Outline
  - Section Label** (highlighted with a red box)
- Street / Street & Hig...
  - County

**Query Panel:**

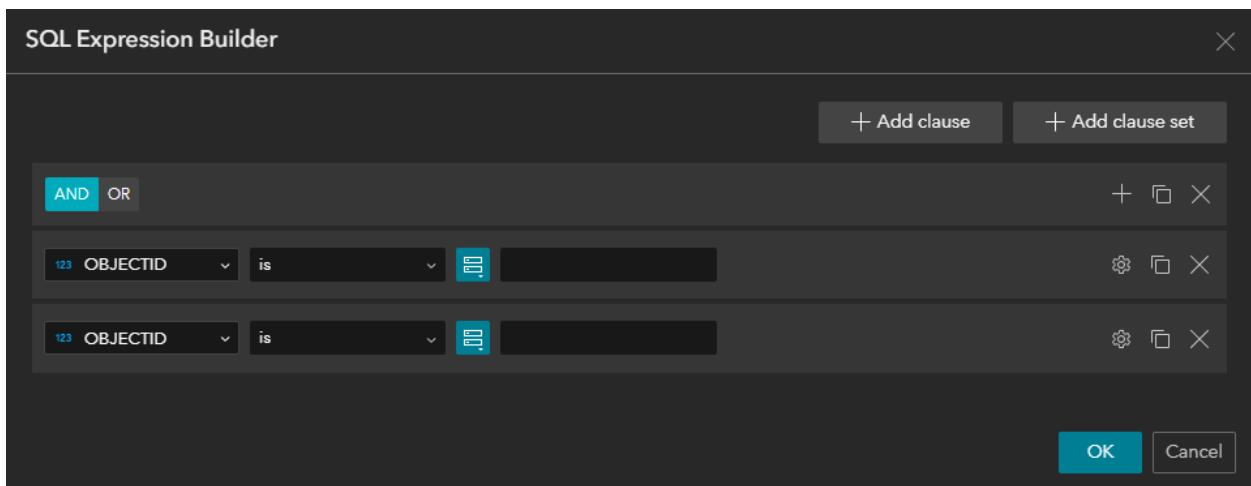
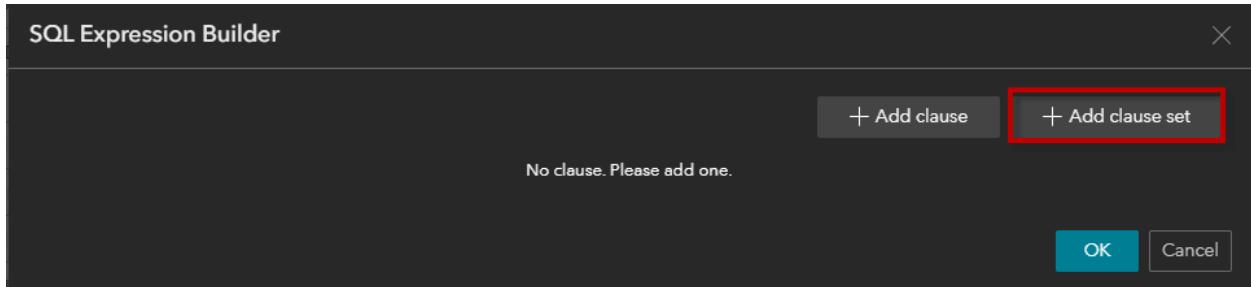
- Content tab is selected.
- Query item section:
  - + New query
  - Parcel
  - Subdivision
  - ZIP Code
  - City
  - .....
- Arrangement style section: A preview of the 'Section Label' arrangement style is shown.
- Result style section: A preview of the 'Section Label' result style is shown.

Label = Township, Range, Section

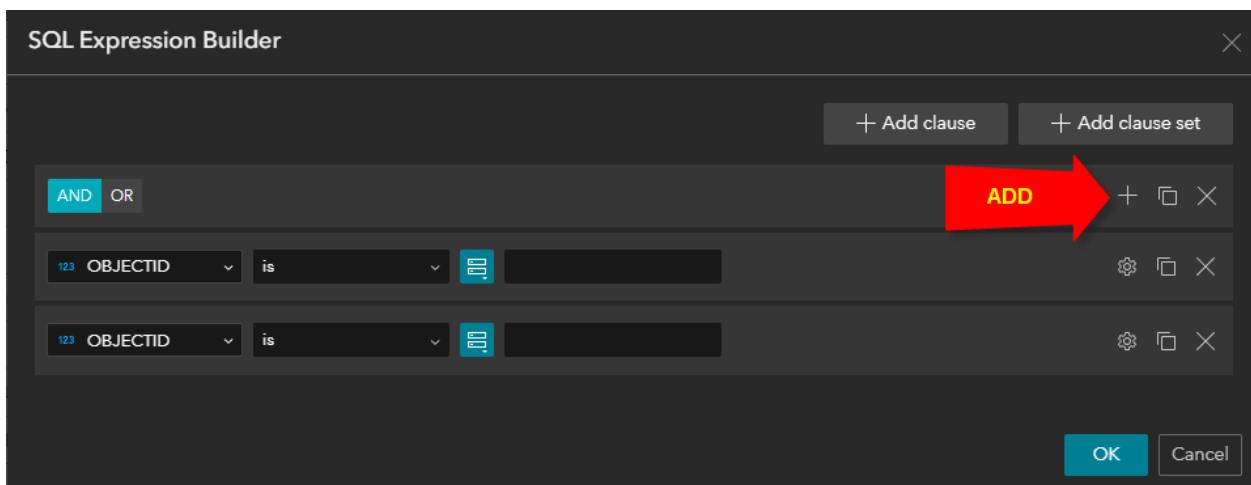


## SQL Expression Builder

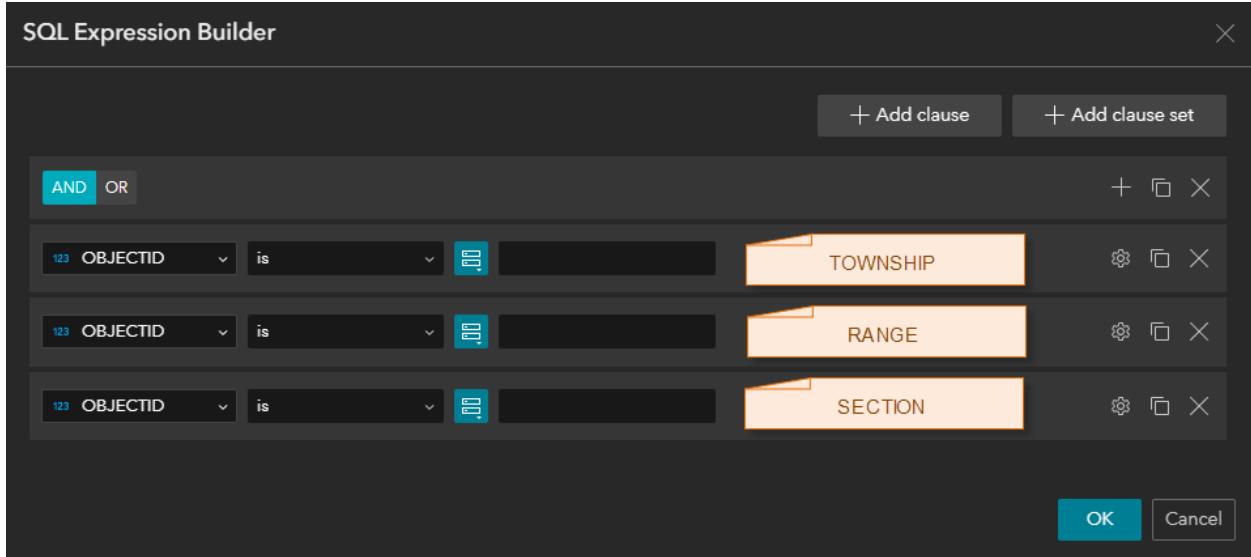
### Add Clause Set



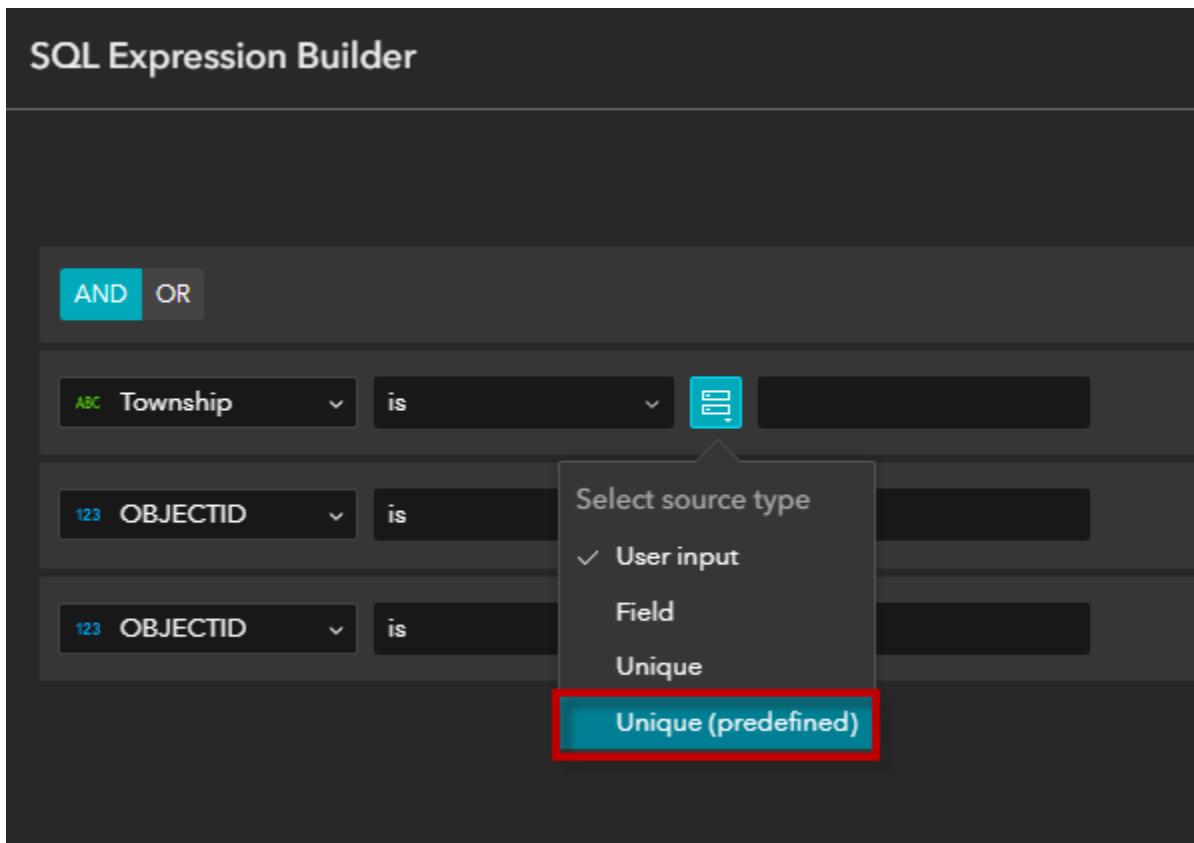
### ADD CLAUSE



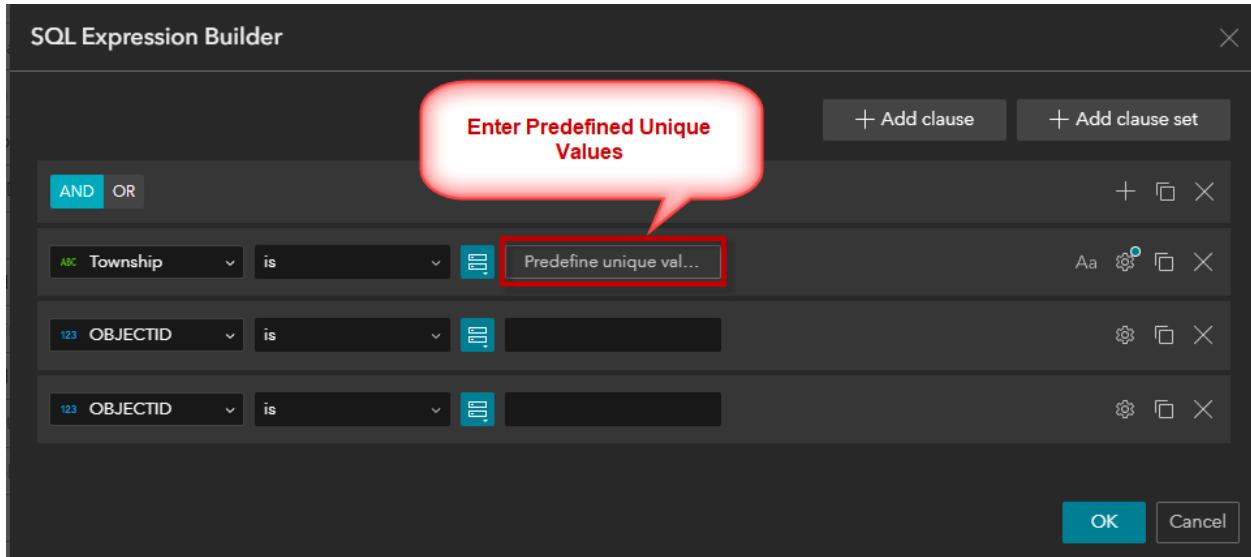
You have 3 Clauses for entering TOWNSHIP, RANGE, SECTION



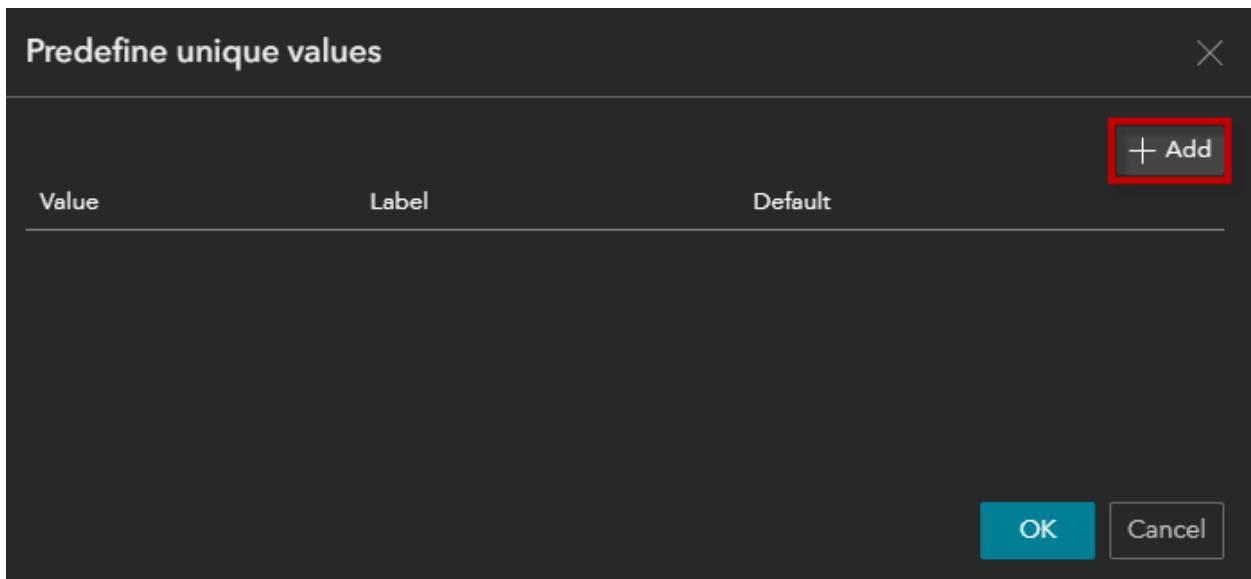
Township is Unique (predefined)

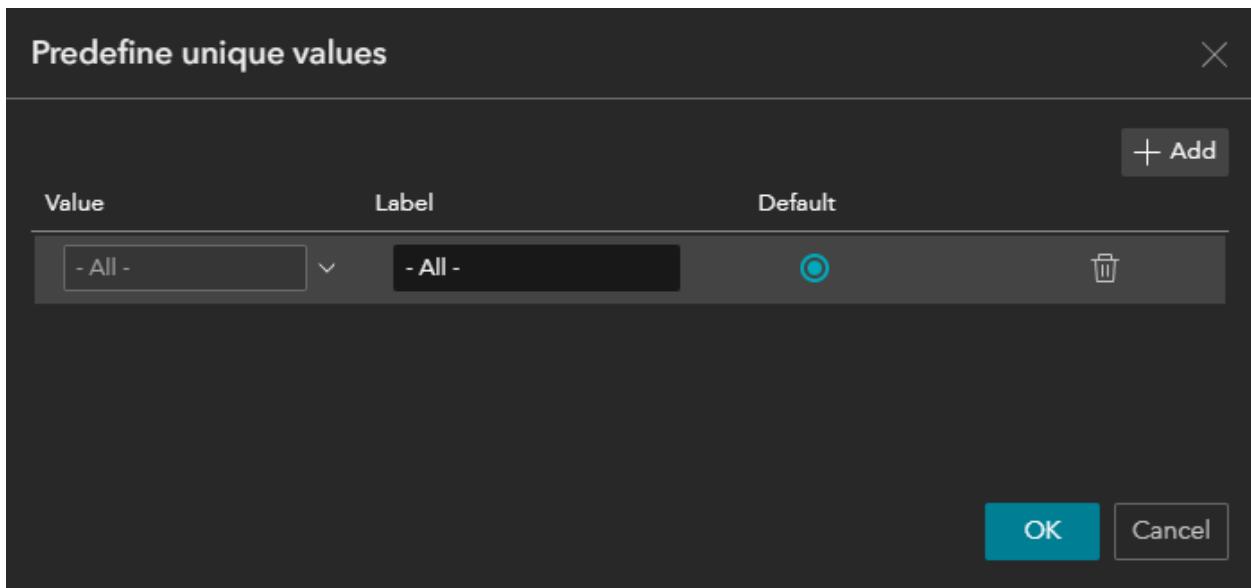


## Enter Predefined Unique Values

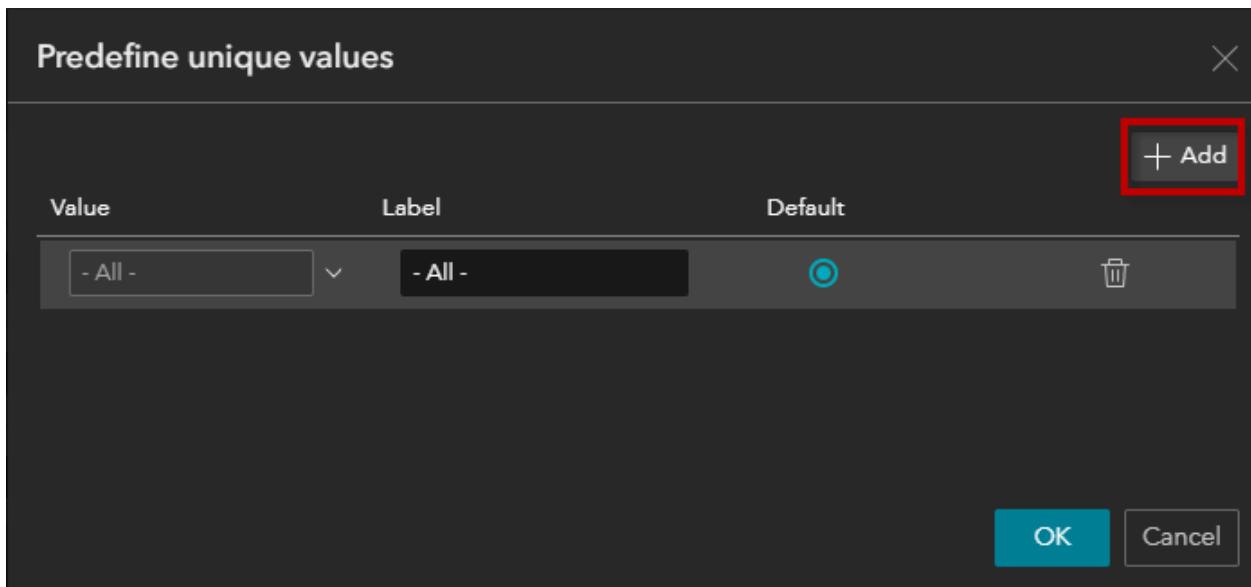


Add





ADD



Add Value = T1N

Change the Default value to T1N

Predefine unique values

Value	Label	Default	
- All -	- All -	<input type="radio"/>	<input type="button" value="Delete"/>
T1N	T1N	<input checked="" type="radio"/>	<input type="button" value="Delete"/>

+ Add

Default

OK Cancel

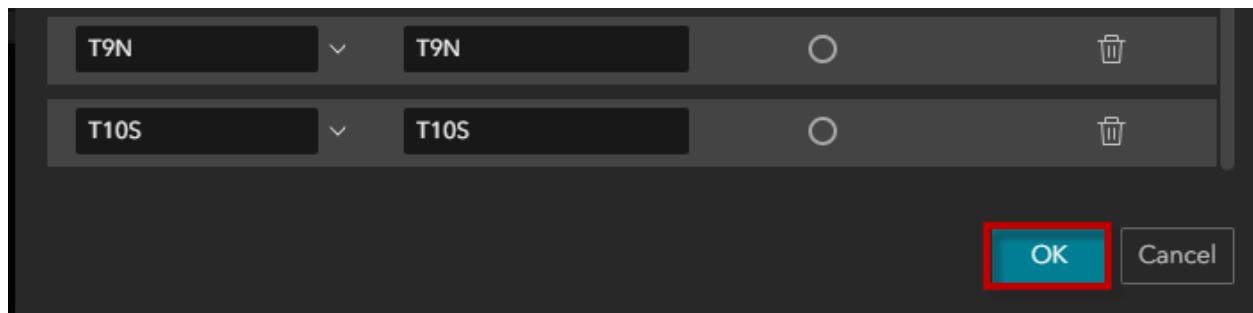
Keep adding the predefined Township Values as shown.

## Predefine unique values

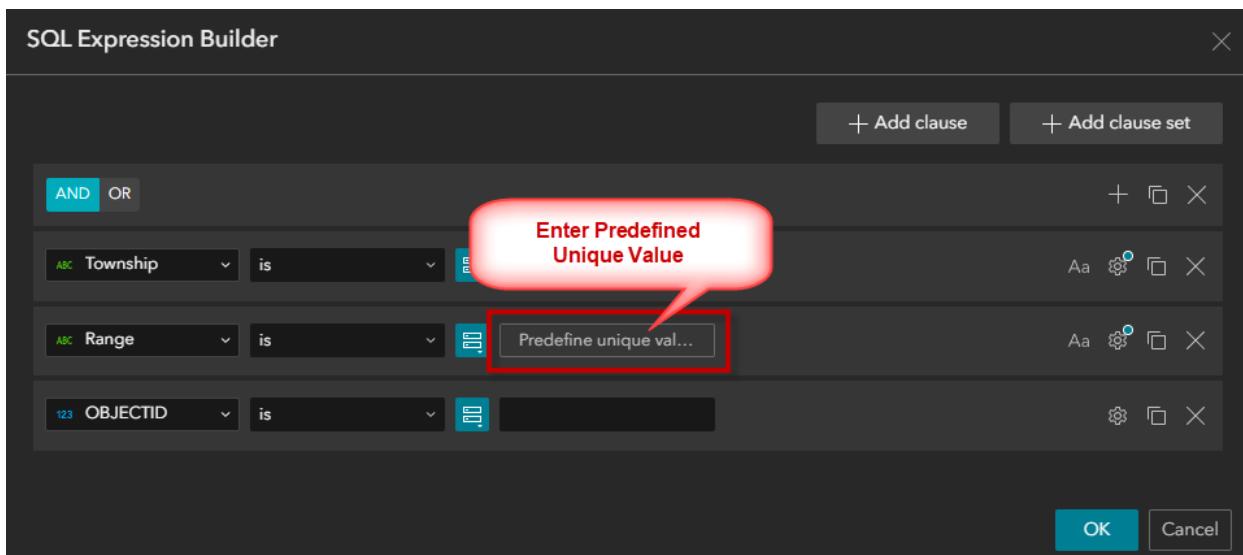
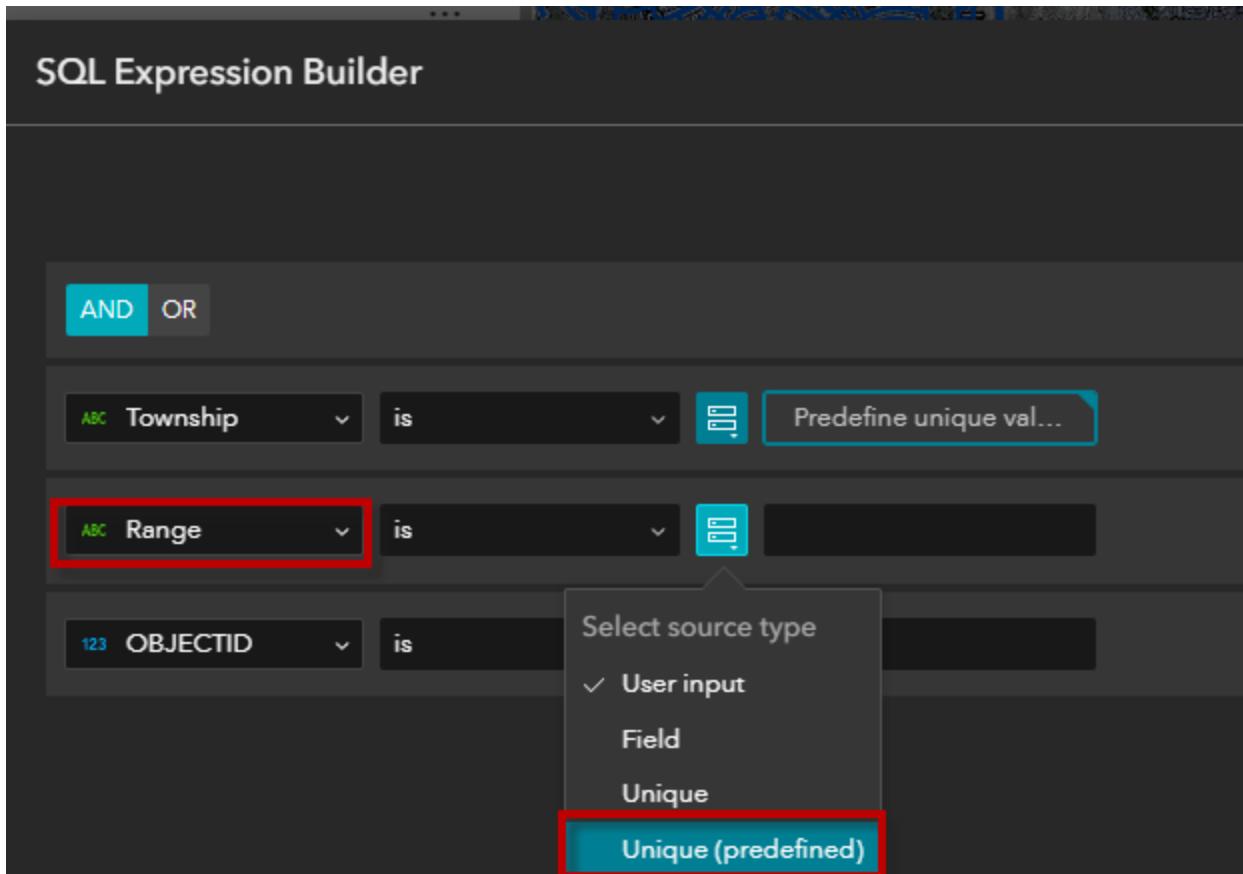
X

+ Add

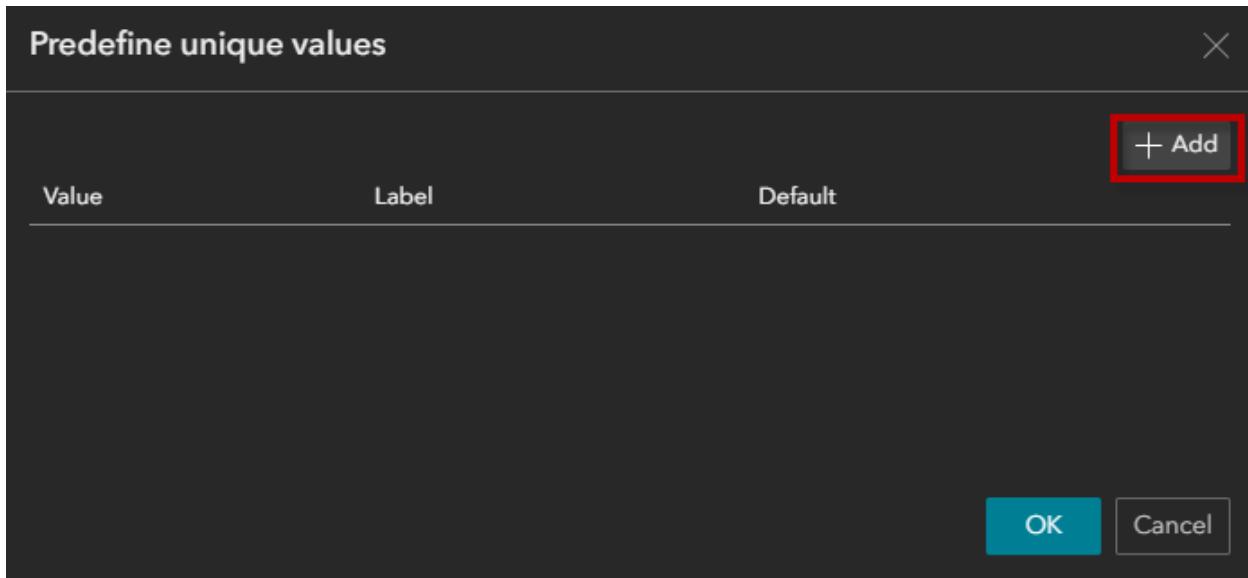
Value	Label	Default	
- All -	- All -	<input type="radio"/>	
T1N	T1N	<input checked="" type="radio"/>	
T1S	T1S	<input type="radio"/>	
T2N	T2N	<input type="radio"/>	
T2S	T2S	<input type="radio"/>	
T3N	T3N	<input type="radio"/>	
T3S	T3S	<input type="radio"/>	
T4N	T4N	<input type="radio"/>	
T4S	T4S	<input type="radio"/>	
T5N	T5N	<input type="radio"/>	
T5S	T5S	<input type="radio"/>	
T6N	T6N	<input type="radio"/>	
T6S	T6S	<input type="radio"/>	
T7N	T7N	<input type="radio"/>	
T7S	T7S	<input type="radio"/>	
T8N	T8N	<input type="radio"/>	
T8S	T8S	<input type="radio"/>	



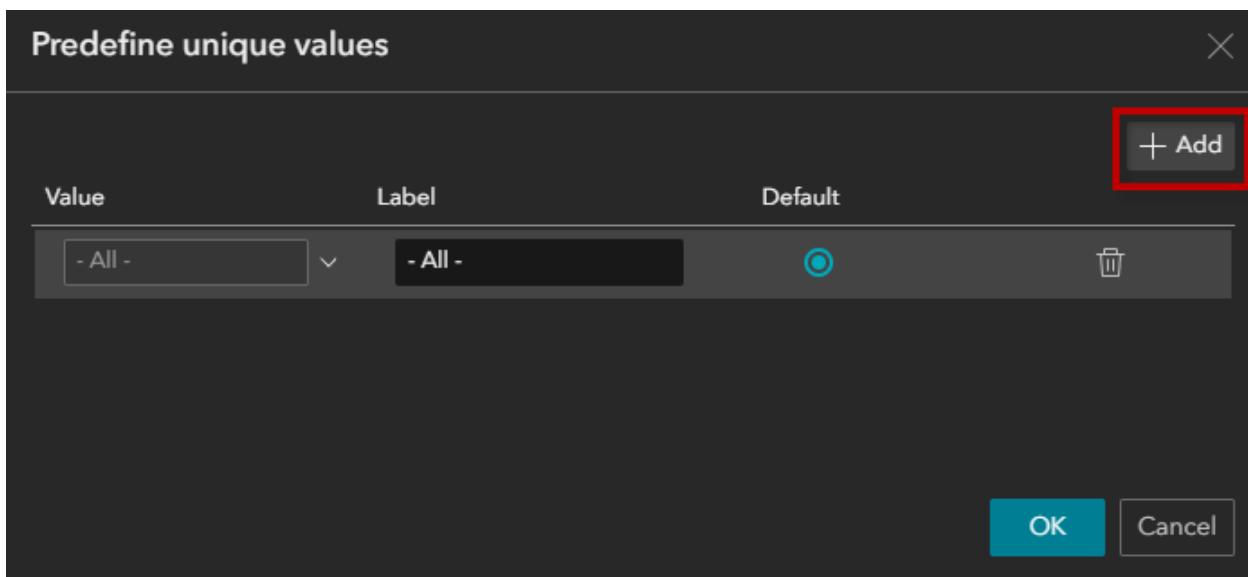
Range is Unique (predefined)



Add

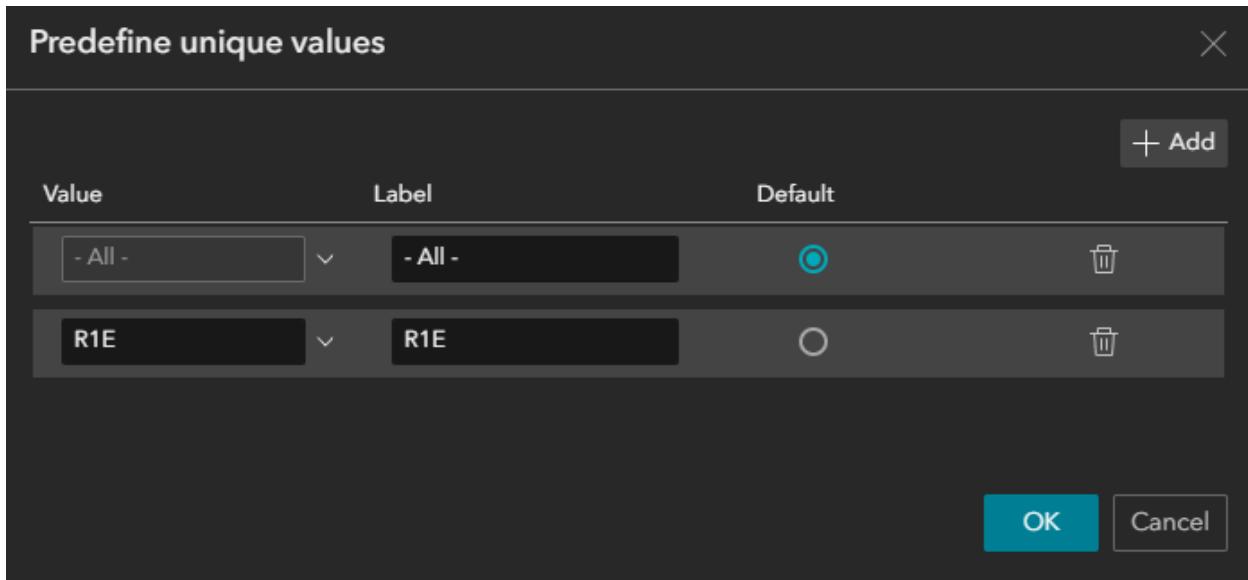


Add



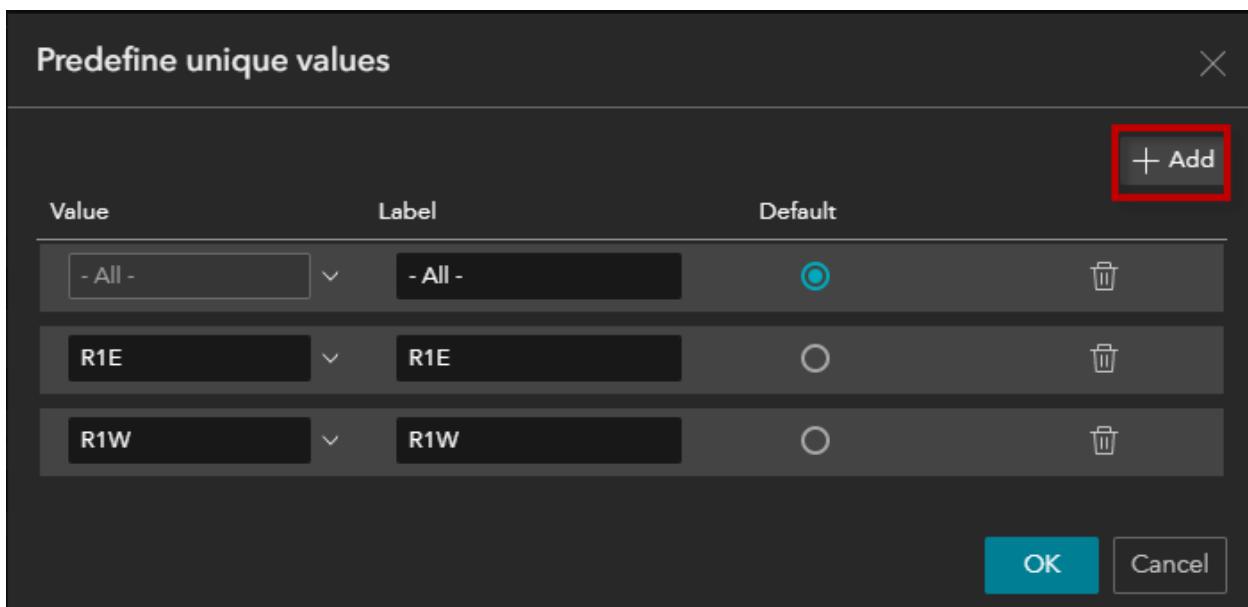
Add

Add Range Value = R1E



Add

Add Range Value = R1W



Keep adding the Predefined Range Values as shown.

Predefine unique values

**+ Add**

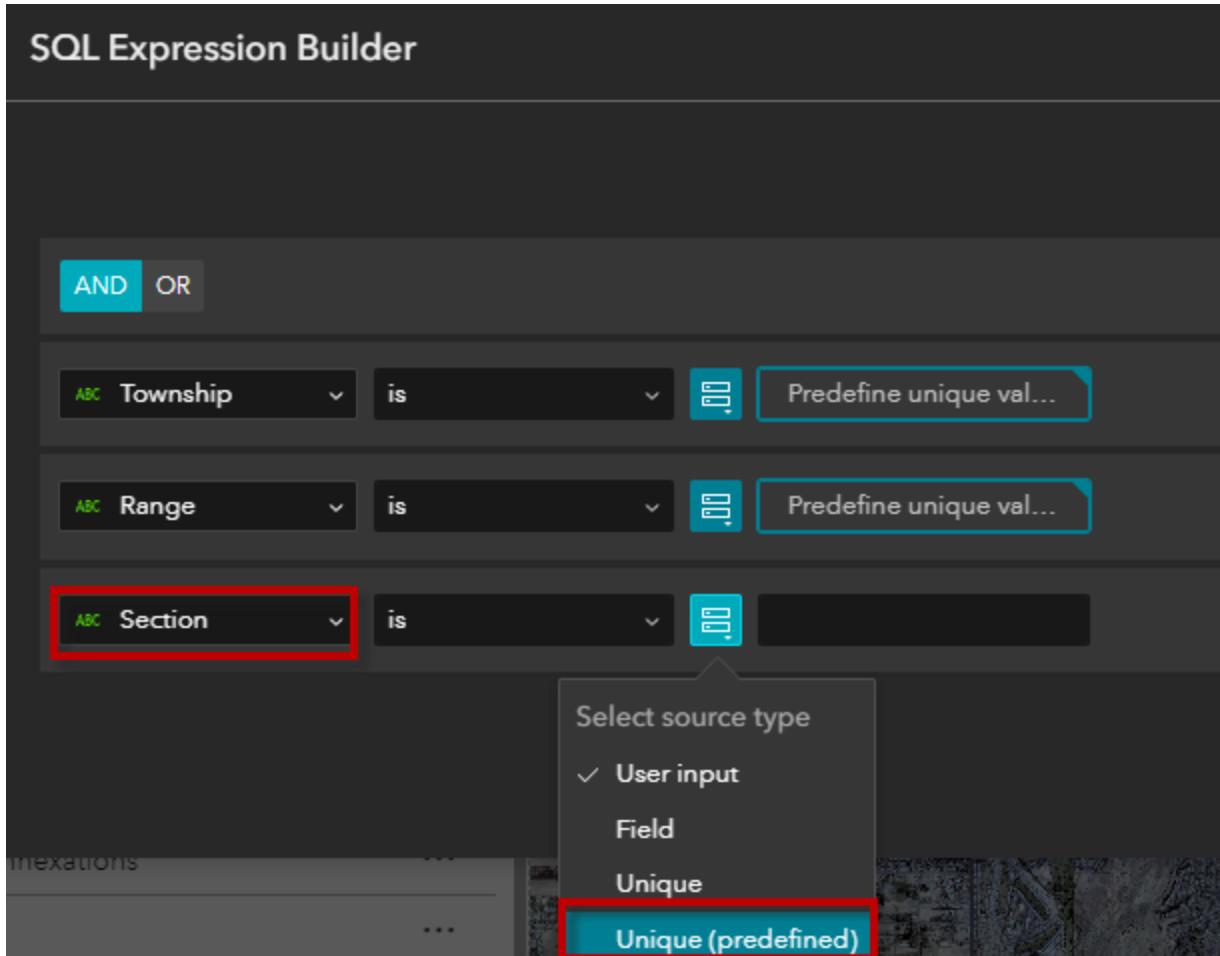
Value	Label	Default	
- All -	- All -	<input type="radio"/>	
R1E	R1E	<input checked="" type="radio"/>	Default
R1W	R1W	<input type="radio"/>	
R2E	R2E	<input type="radio"/>	
R2W	R2W	<input type="radio"/>	
R3E	R3E	<input type="radio"/>	
R3W	R3W	<input type="radio"/>	
R4E	R4E	<input type="radio"/>	
R4W	R4W	<input type="radio"/>	
R5E	R5E	<input type="radio"/>	
R5W	R5W	<input type="radio"/>	
R6E	R6E	<input type="radio"/>	
R6W	R6W	<input type="radio"/>	
R7E	R7E	<input type="radio"/>	
R7W	R7W	<input type="radio"/>	
R8E	R8E	<input type="radio"/>	
R8W	R8W	<input type="radio"/>	

R9E	▼	R9E	O	trash
R9W	▼	R9W	O	trash
R10E	▼	R10E	O	trash
R10W	▼	R10W	O	trash
R11E	▼	R11E	O	trash
R12E	▼	R12E	O	trash
R13E	▼	R13E	O	trash

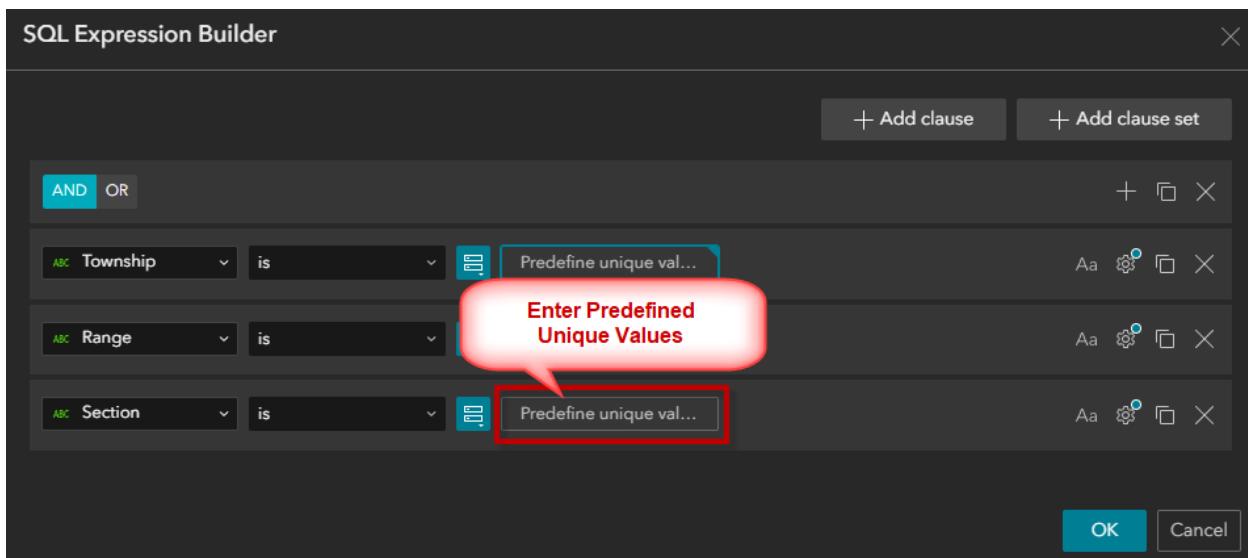
OK Cancel

OK

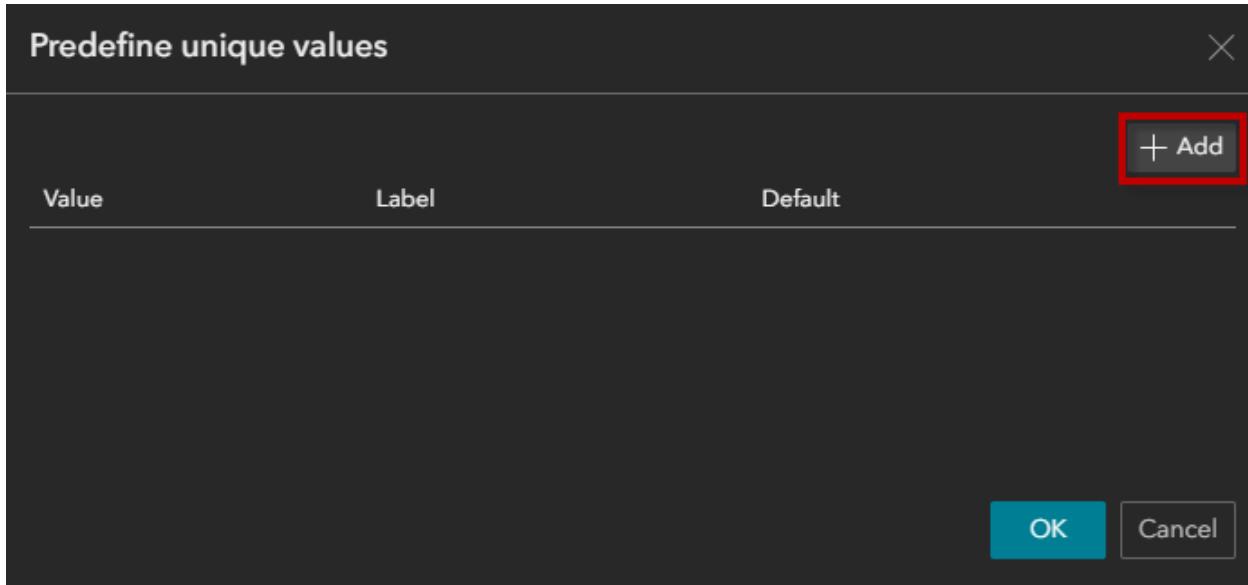
Section is Unique (predefined)



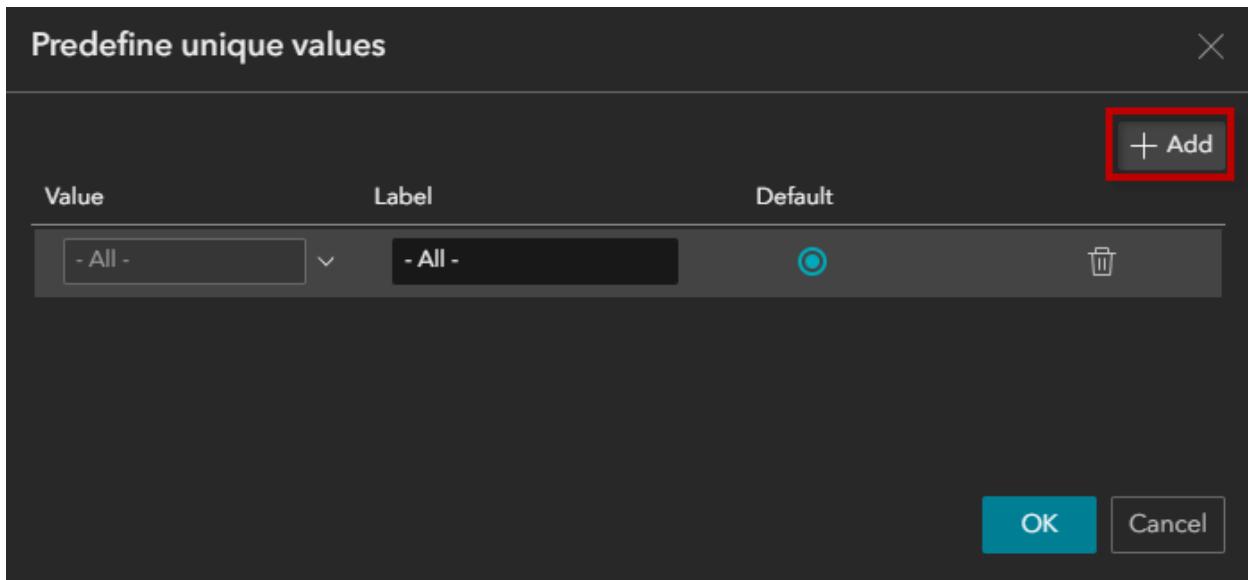
Enter Predefined Unique Values.



Add



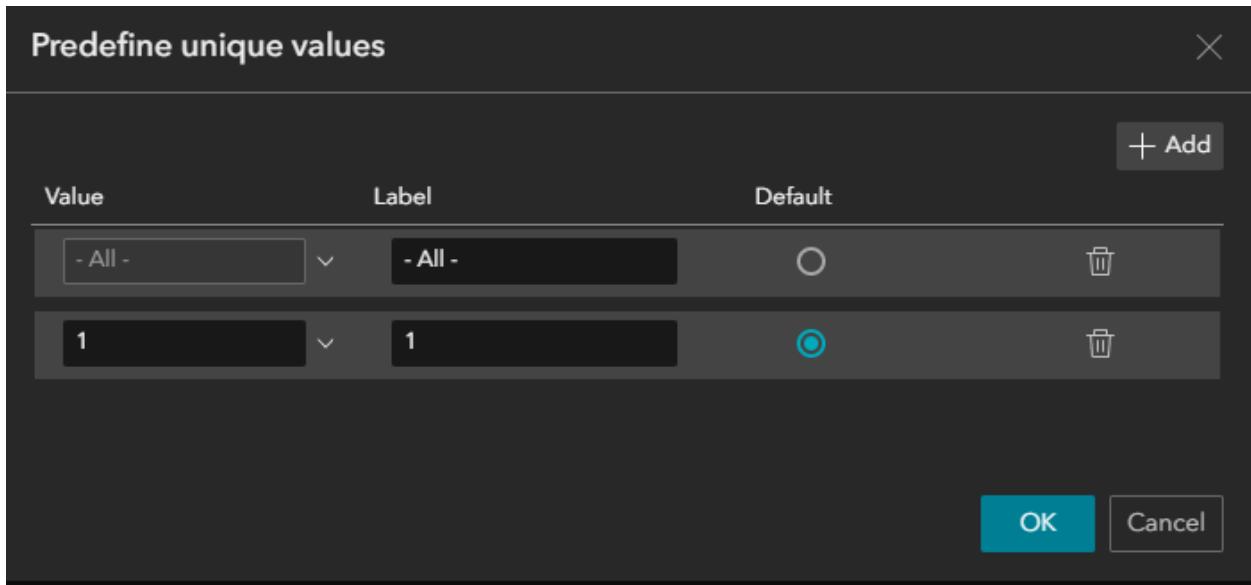
Add



Add

Enter the first Section Unique Value = 1

Make this the default.



Keep adding the Predefined Unique Values from 1 through 36.

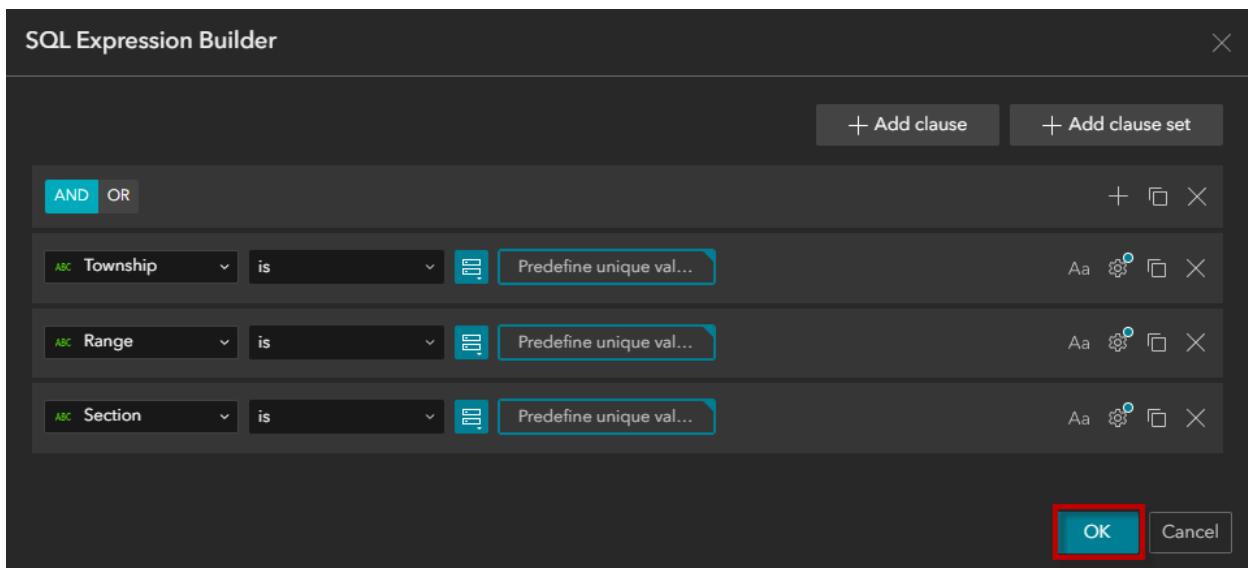
## Predefine unique values

X

+ Add

Value	Label	Default	
- All -	- All -	<input type="radio"/>	
1	1	<input checked="" type="radio"/>	
2	2	<input type="radio"/>	
3	3	<input type="radio"/>	
4	4	<input type="radio"/>	
5	5	<input type="radio"/>	
6	6	<input type="radio"/>	
7	7	<input type="radio"/>	
8	8	<input type="radio"/>	
9	9	<input type="radio"/>	
10	10	<input type="radio"/>	
11	11	<input type="radio"/>	
12	12	<input type="radio"/>	
13	13	<input type="radio"/>	
14	14	<input type="radio"/>	
15	15	<input type="radio"/>	

16	16	○	☒
17	17	○	☒
18	18	○	☒
19	19	○	☒
20	20	○	☒
21	21	○	☒
22	22	○	☒
23	23	○	☒
24	24	○	☒
25	25	○	☒
26	26	○	☒
27	27	○	☒
28	28	○	☒
29	29	○	☒
30	30	○	☒
31	31	○	☒



### Set query

**Data**

Section Label  
Default

**Label**  
Township, Range, Section

**Icon** Select icon

**Attribute filter**

**Label**  
Attribute filter

Add SQL expressions to your query  
**SQL Expression Builder**

```
((Township = 't1n') and (Range = 'r1e') and (Section = '1'))
```

**Description**  
Please describe the filter.

**Query** ?

**Content** **Style** **Action**

**Query item**

+ New query

Parcel X

Subdivision X

ZIP Code X

City X

Township, Range, Section X

**Arrangement style**

**Result style**

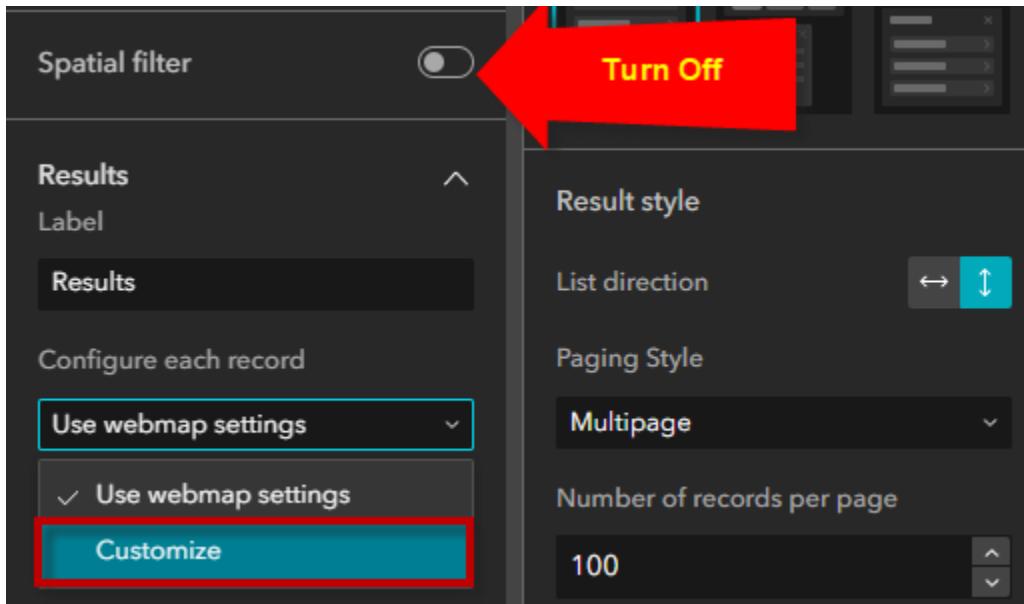
List direction ↔ ↑

Paging Style Multipage

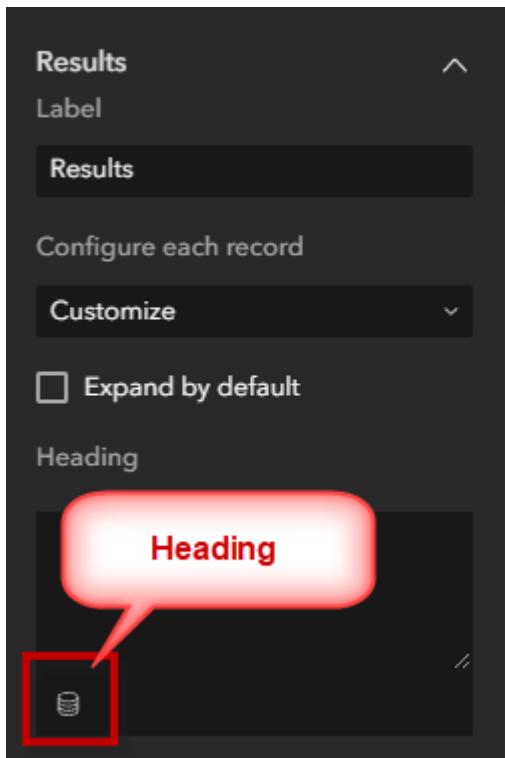
Number of records per page 100

Turn off the Spatial Filter

Configure each record = **Customize**



Define a Heading



Heading = {Township}, {Range}, Section {Section}

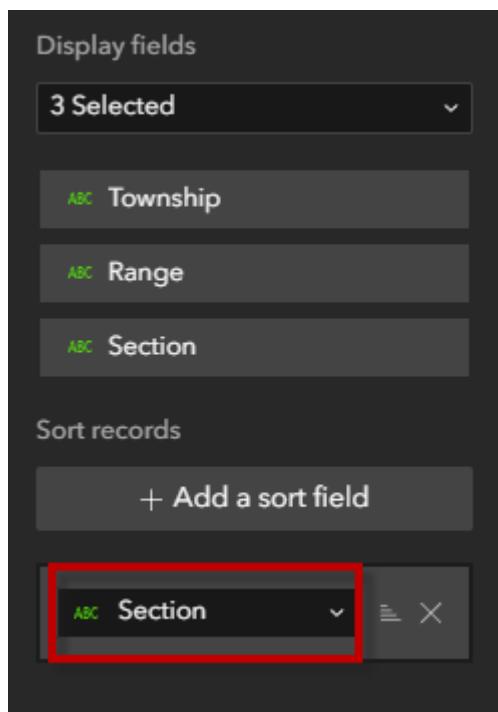
The screenshot shows the 'Results' tab in the ArcGIS Feature Layer Properties dialog. On the left, a list of fields is visible, including OBJECTID, Township, Range, Section, QuarterSection, SHAPE\_Length, and SHAPE\_Area. The 'Section' field is currently selected. On the right, the 'Results' configuration panel is displayed. It includes a 'Label' section with a 'Results' placeholder, a 'Configure each record' section with a 'Customize' dropdown set to 'Expand by default', and a 'Heading' section containing the placeholder '{Township}, {Range}, Section {Section}'.

Select 3 Display Fields

The screenshot shows the 'Display fields' configuration dialog. A dropdown menu at the top indicates '3 Selected'. Below it is a search bar. A list of fields is shown with three checkboxes checked: Township, Range, and Section. At the bottom are buttons for sorting and deleting items.

Field	Status
OBJECTID	unchecked
Township	checked
Range	checked
Section	checked
QuarterSection	unchecked
SHAPE_Length	unchecked
SHAPE_Area	unchecked

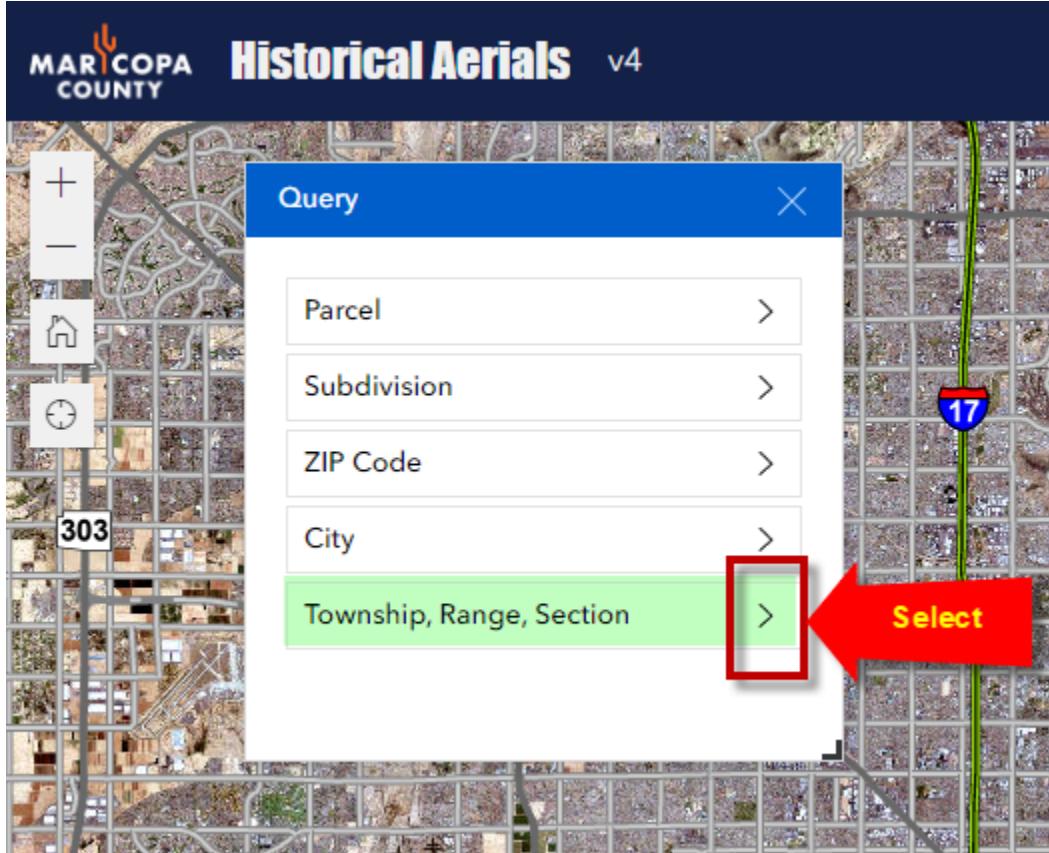
Add a Sort Field = Section



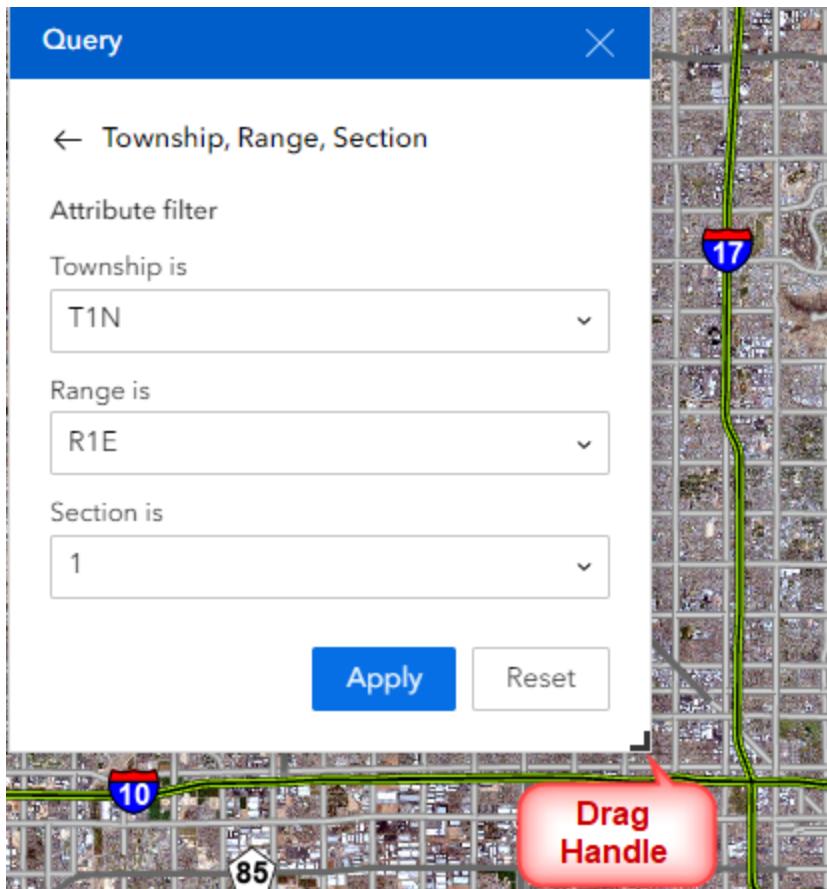
Save, Publish, View Published Item.

<https://localhost:3001/experience/3/>

Expand the Township, Range, Section Query



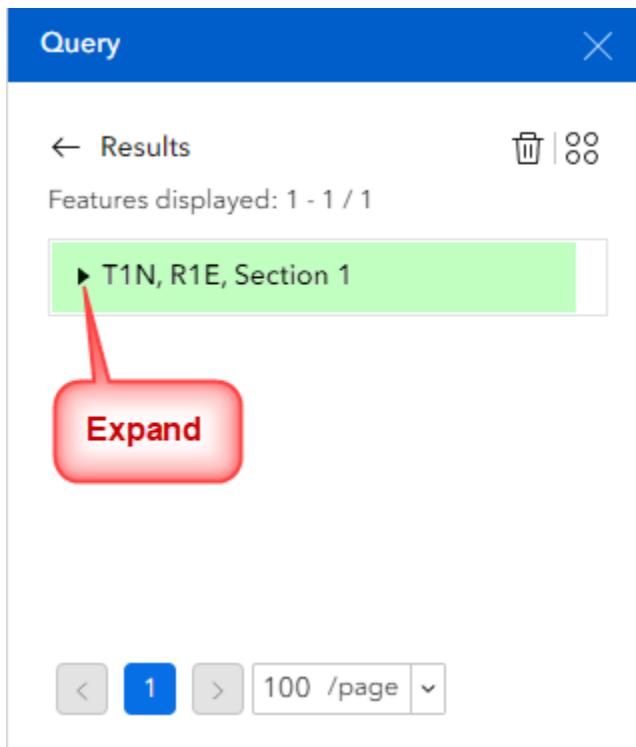
Resize the Query Widget by dragging the lower right corner.



Apply

1 Result is found.

Expand the Result

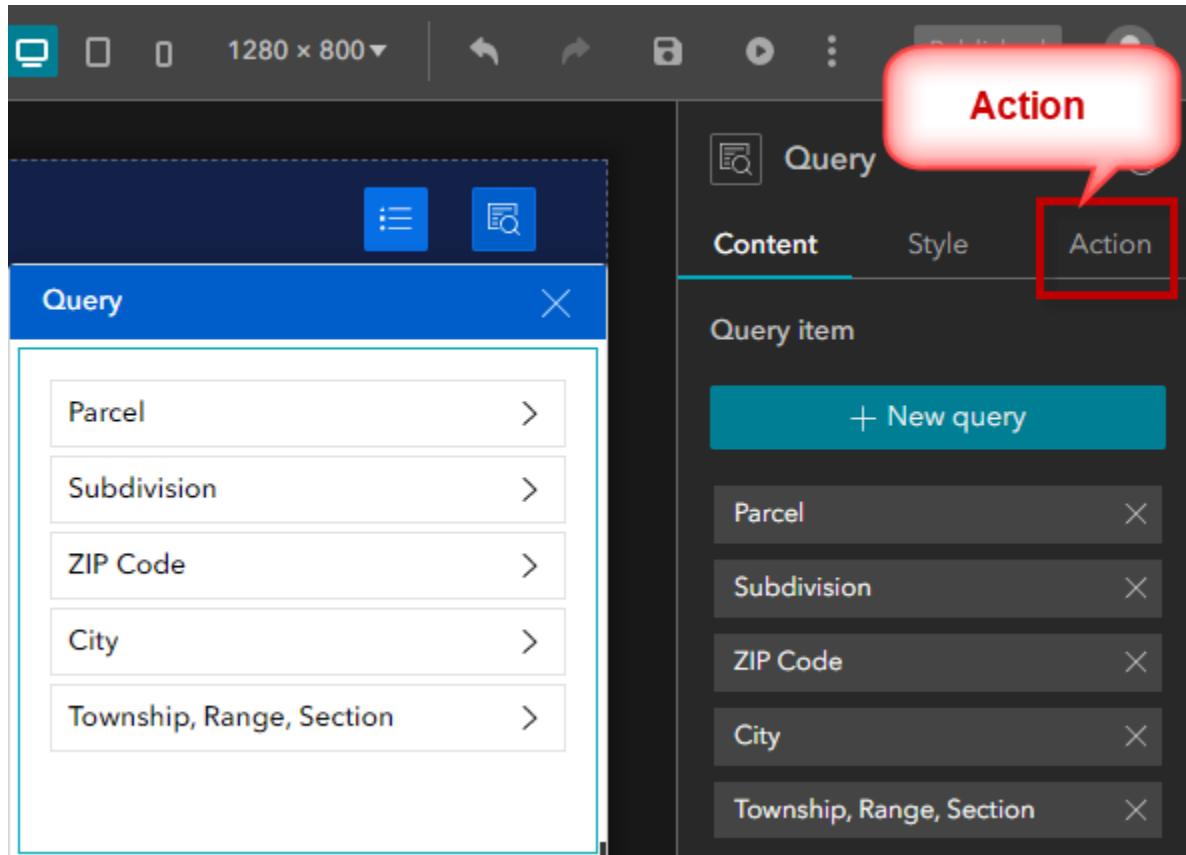


The screenshot shows the same 'Query' interface after expanding the result. The expanded view displays detailed information about the location: Township (T1N), Range (R1E), and Section (1). Navigation buttons are visible at the bottom.

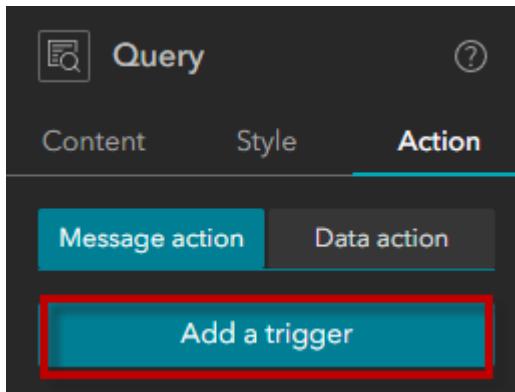
▼ T1N, R1E, Section 1	
Township	T1N
Range	R1E
Section	1

## Add Actions to the Query Widget

Open the Action Tab of the Query Widget.



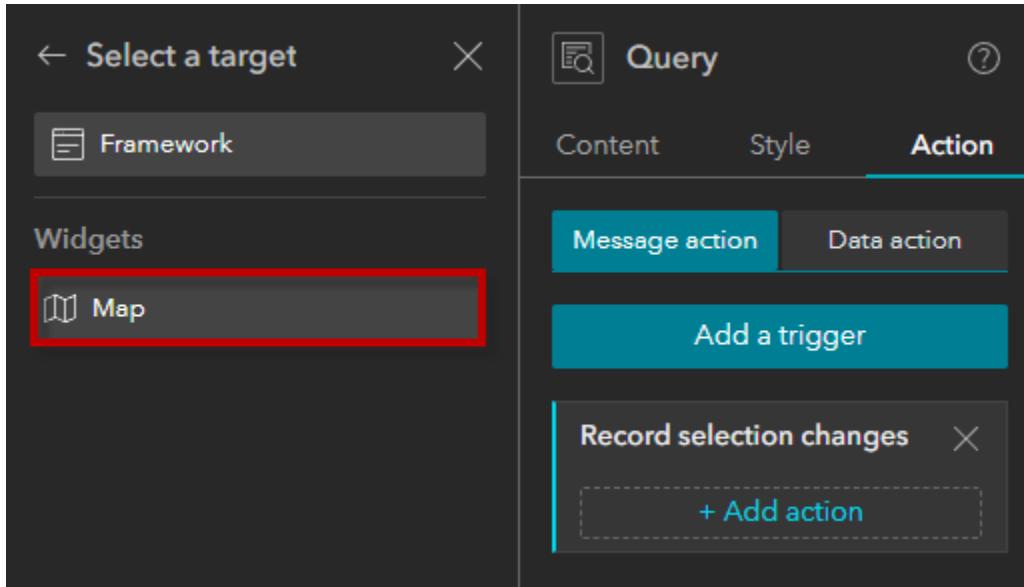
## Add a Trigger



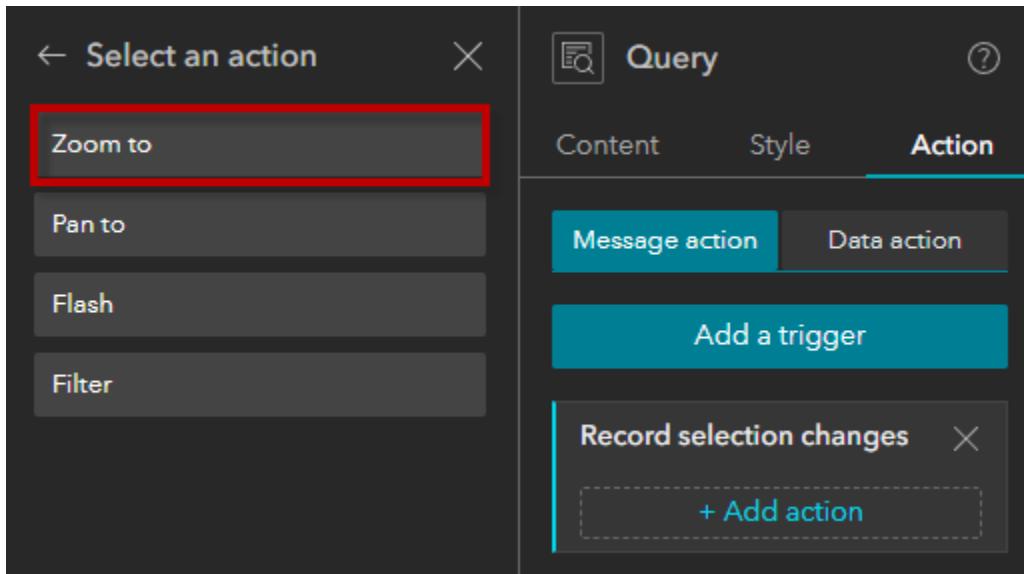
## Record Selection Changes

A screenshot showing the 'Select a trigger' dialog on the left and the main 'Add a Trigger' interface on the right. The 'Select a trigger' dialog has a title 'Select a trigger' and a close button 'X'. Inside, there are two options: 'Record selection changes' (which is highlighted with a red border) and 'Records created'. The main interface on the right is identical to the one in the first screenshot, showing the 'Action' tab with 'Message action' and 'Data action' buttons, and a central 'Add a trigger' button.

## Map



## Zoom To



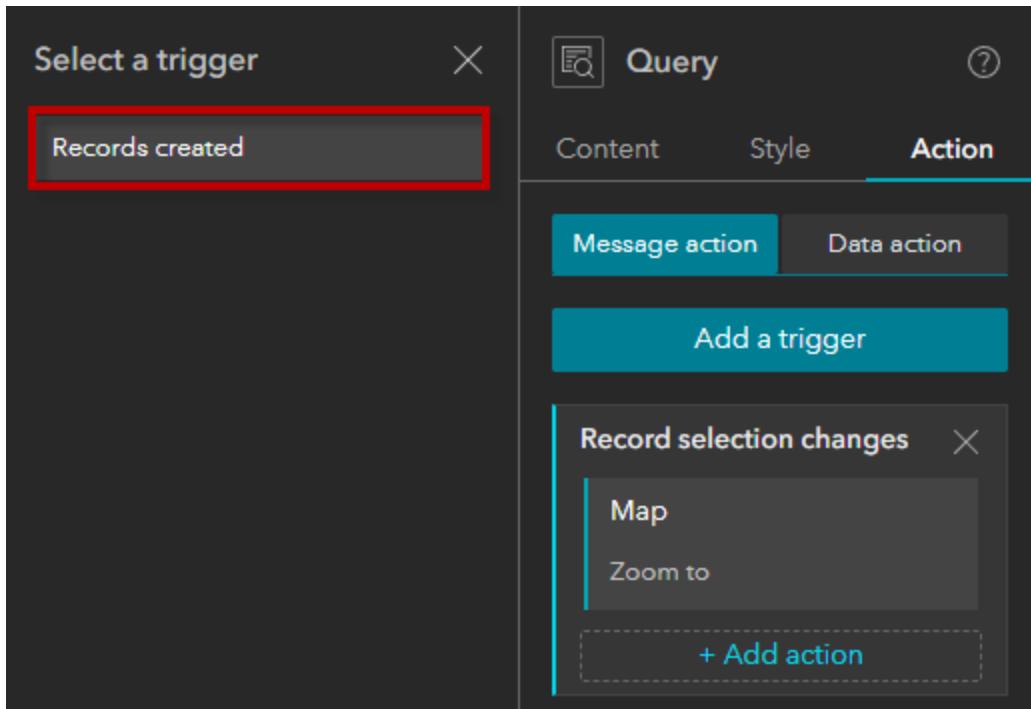
## Add a Trigger

The screenshot shows the 'Action settings' interface for adding a trigger. On the left, there is a list of 'Trigger data' items, each with a checkbox and a dropdown menu set to '1 Selected'. The items are:

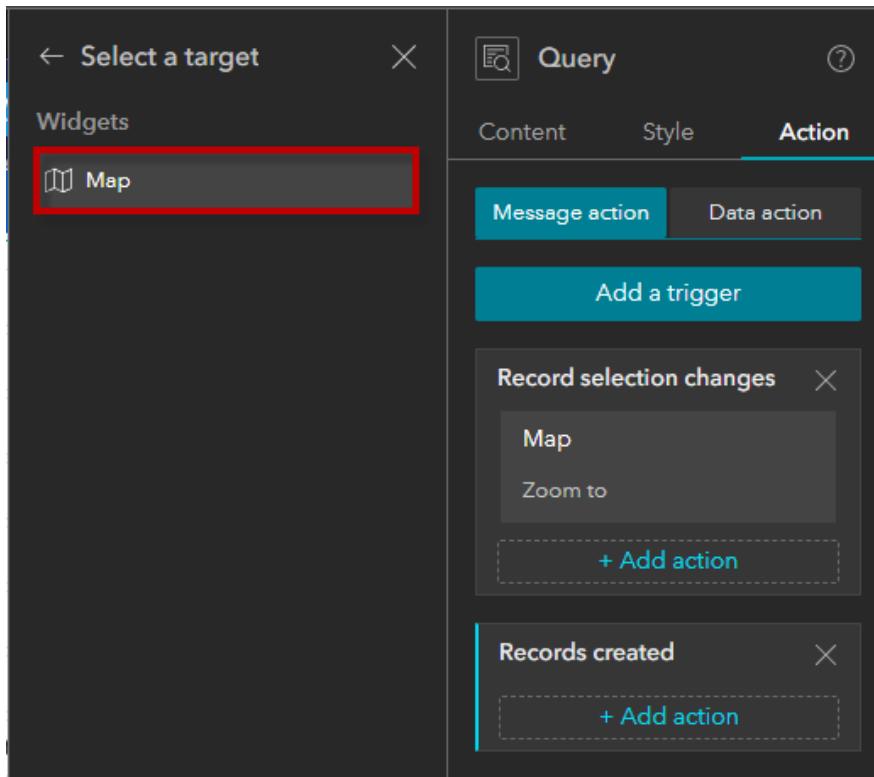
- City result output view
- Parcel result output vi...
- Subdivision result out...
- Township, Range, Sec...
- ZIP Code result output...

Below this list is a dashed box containing the text 'Select data'. On the right, there is a 'Query' panel with tabs for 'Content', 'Style', and 'Action'. The 'Action' tab is selected, showing two buttons: 'Message action' (disabled) and 'Data action'. A red box highlights the 'Add a trigger' button, which is located below the tabs. To the right of the 'Action' tab, there is a 'Record selection changes' panel with a 'Map' section and a 'Zoom to' button, followed by a ' + Add action' button.

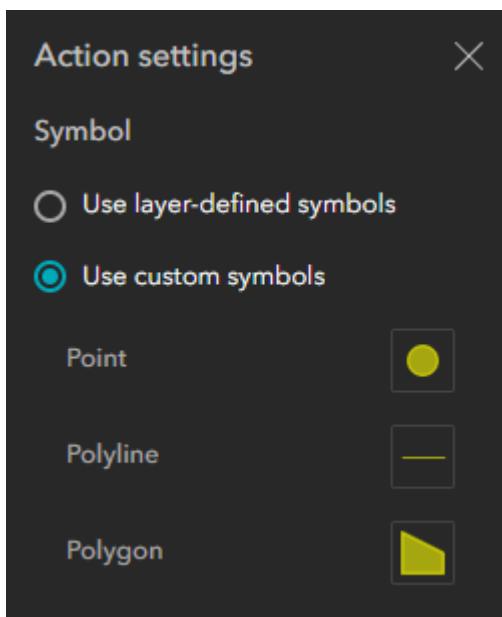
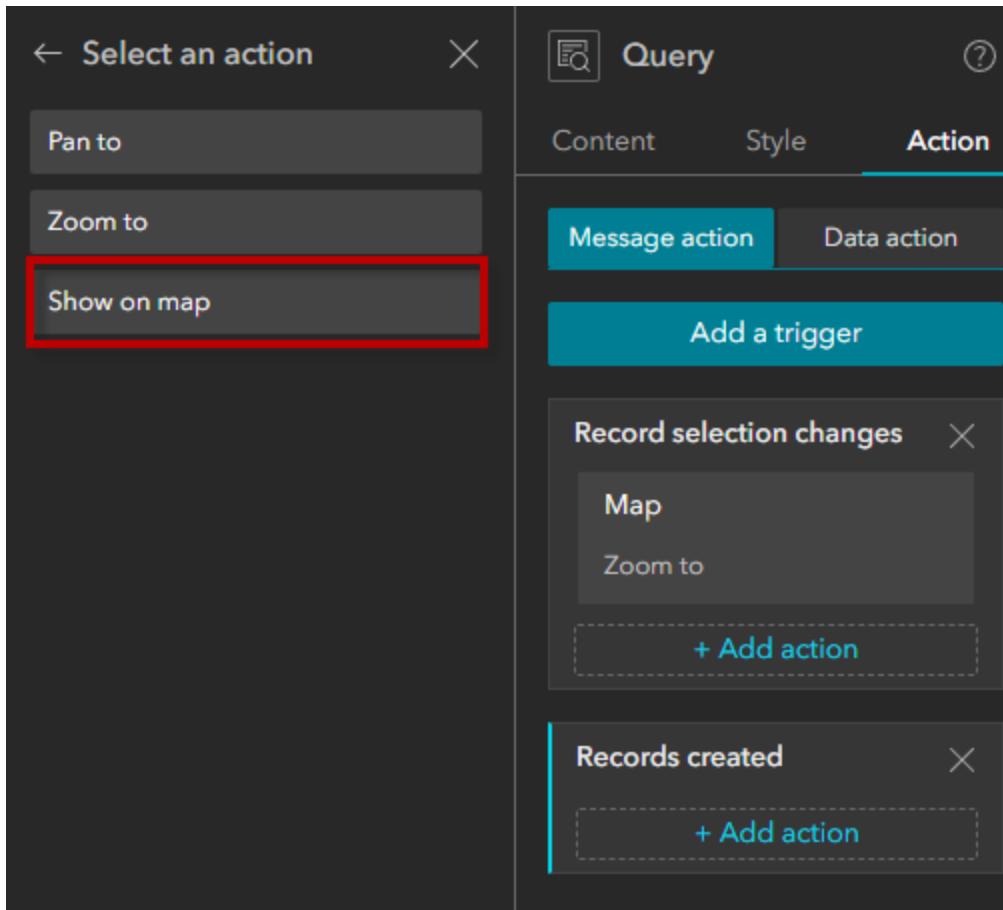
## Records Created



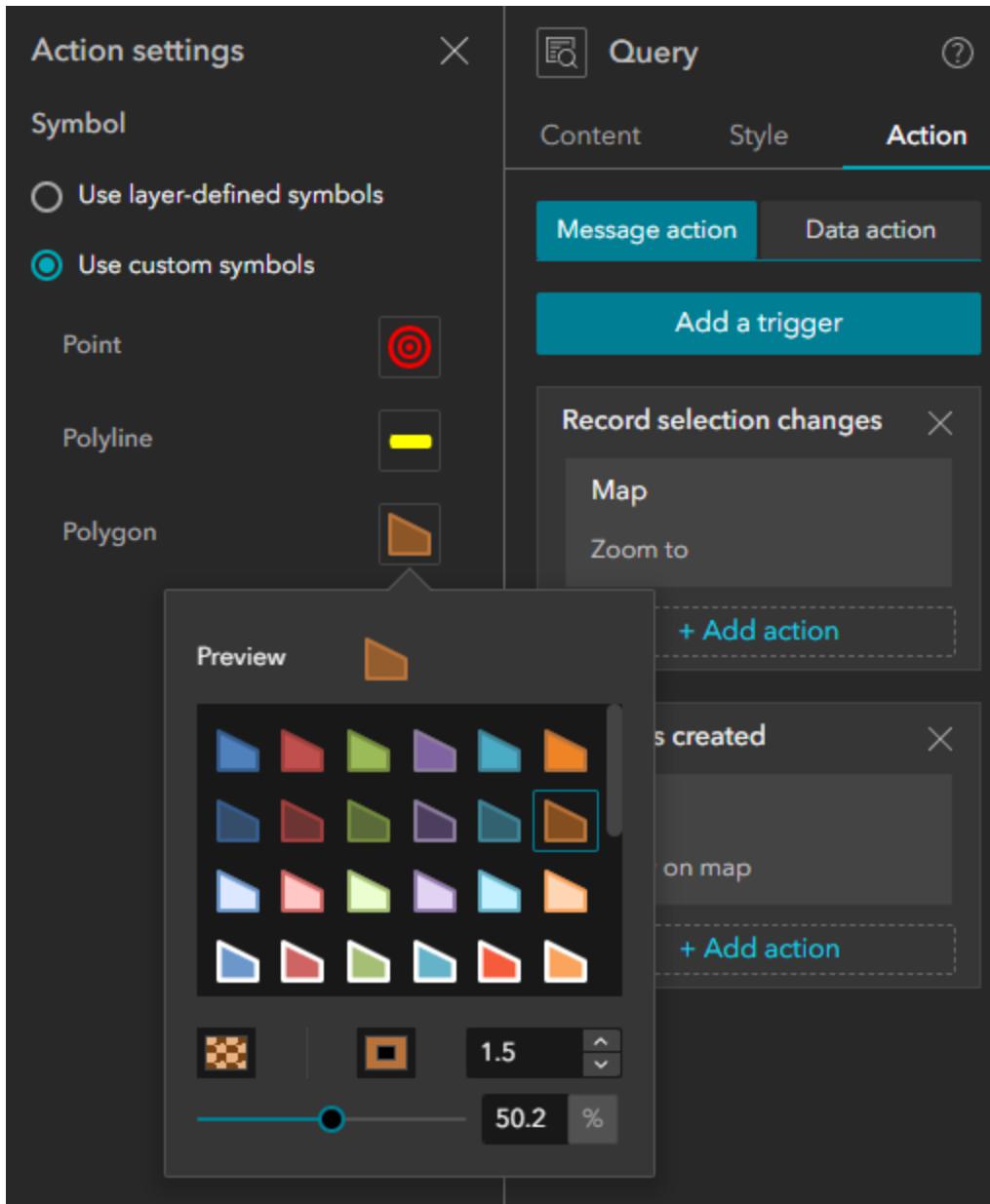
## Map



Show on Map



## Change the Symbols



The screenshot shows the ArcGIS Action settings interface. On the left, a sidebar titled "Action settings" contains a "Symbol" section with two options: "Use layer-defined symbols" (radio button) and "Use custom symbols" (radio button, selected). Below this are three categories: "Point" (with a red target symbol), "Polyline" (with a yellow line symbol), and "Polygon" (with an orange triangle symbol).

The main area is titled "Query" and has tabs for "Content", "Style", and "Action" (selected). It includes a "Message action" tab and a "Data action" tab. A large blue button labeled "Add a trigger" is present.

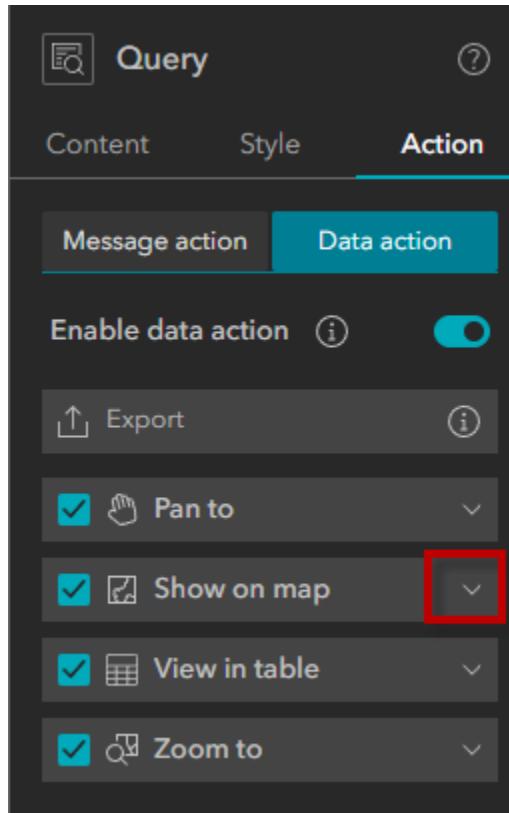
Two triggered actions are listed:

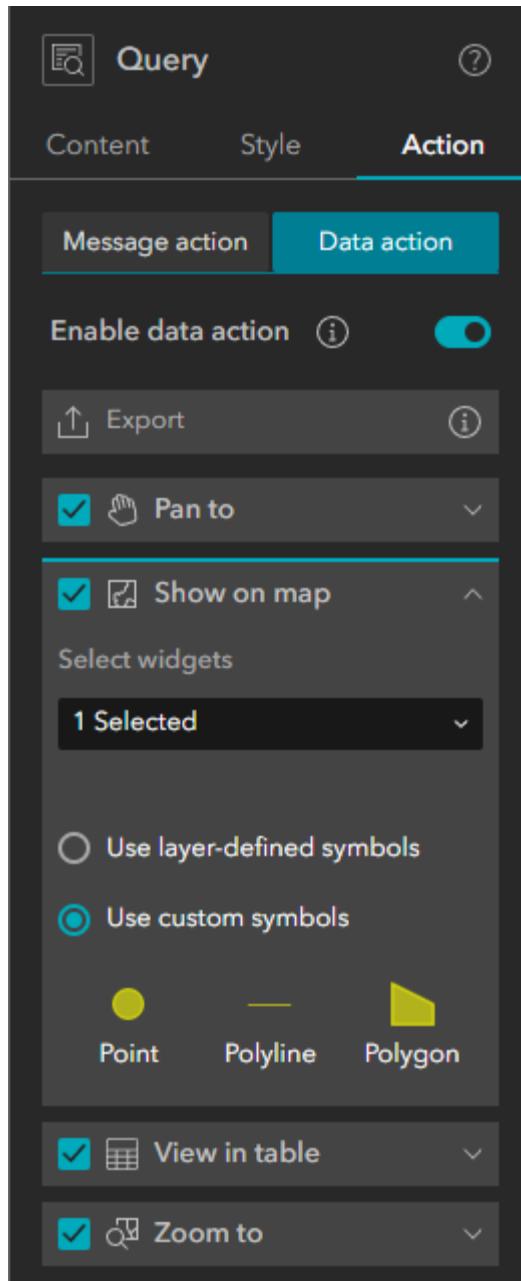
- Record selection changes**:
  - Map
  - Zoom to
- Records created**:
  - Map
  - Show on map

Each triggered action has a "+ Add action" button at the bottom.

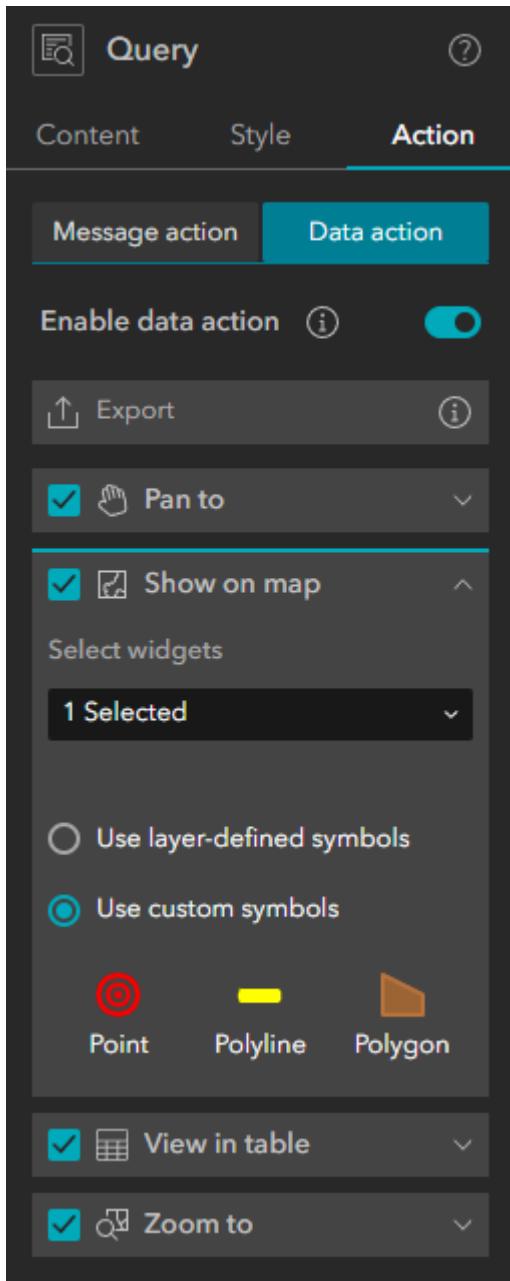
Query | Action | Data Action

Expand Show on Map





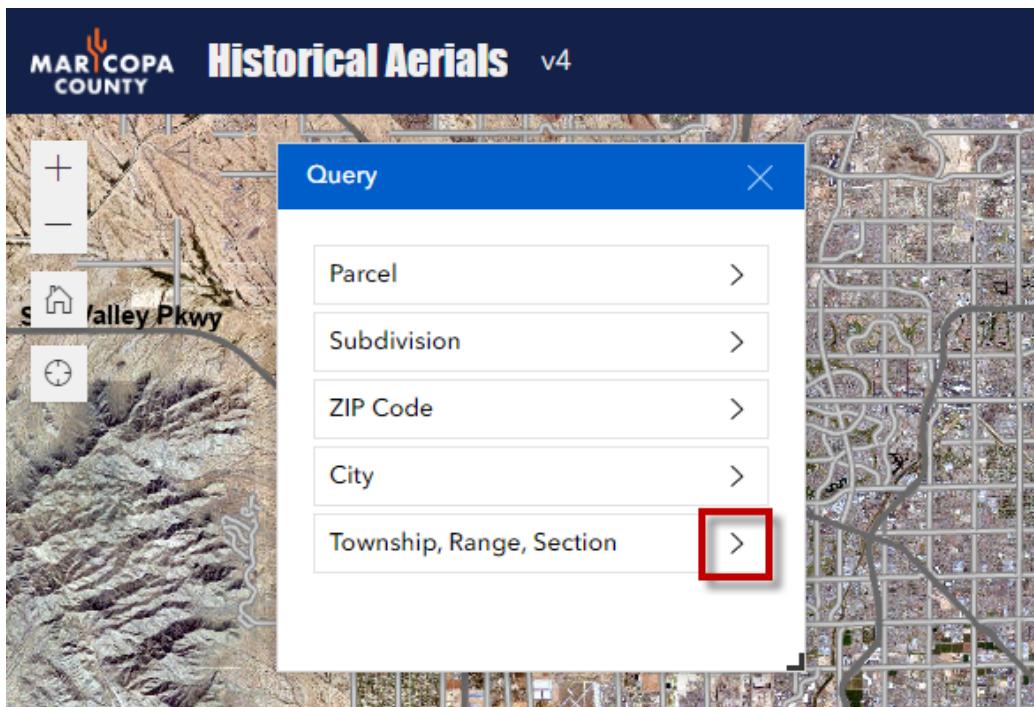
## Change the Symbols



Save, Publish, View Published Item

<https://localhost:3001/experience/3/>

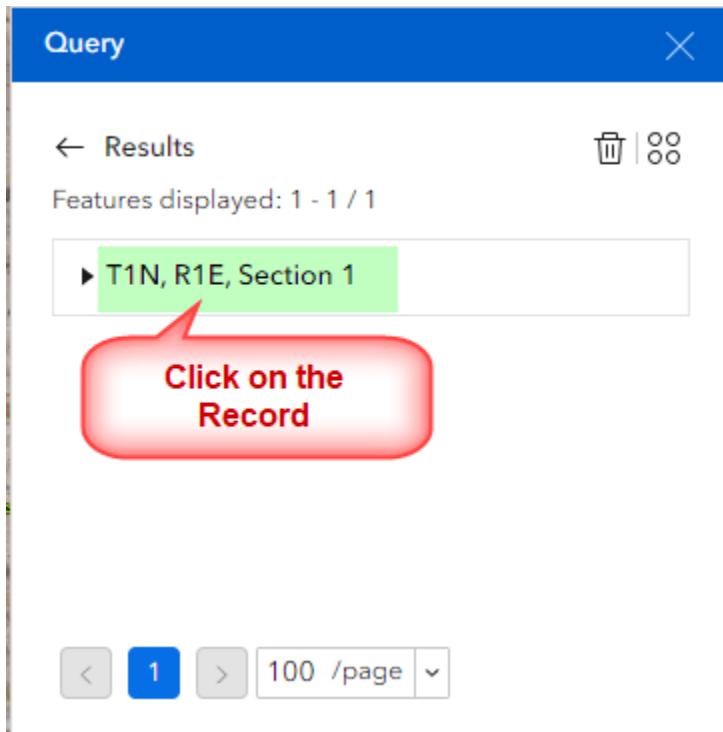
Expand the Township, Range, Section Query



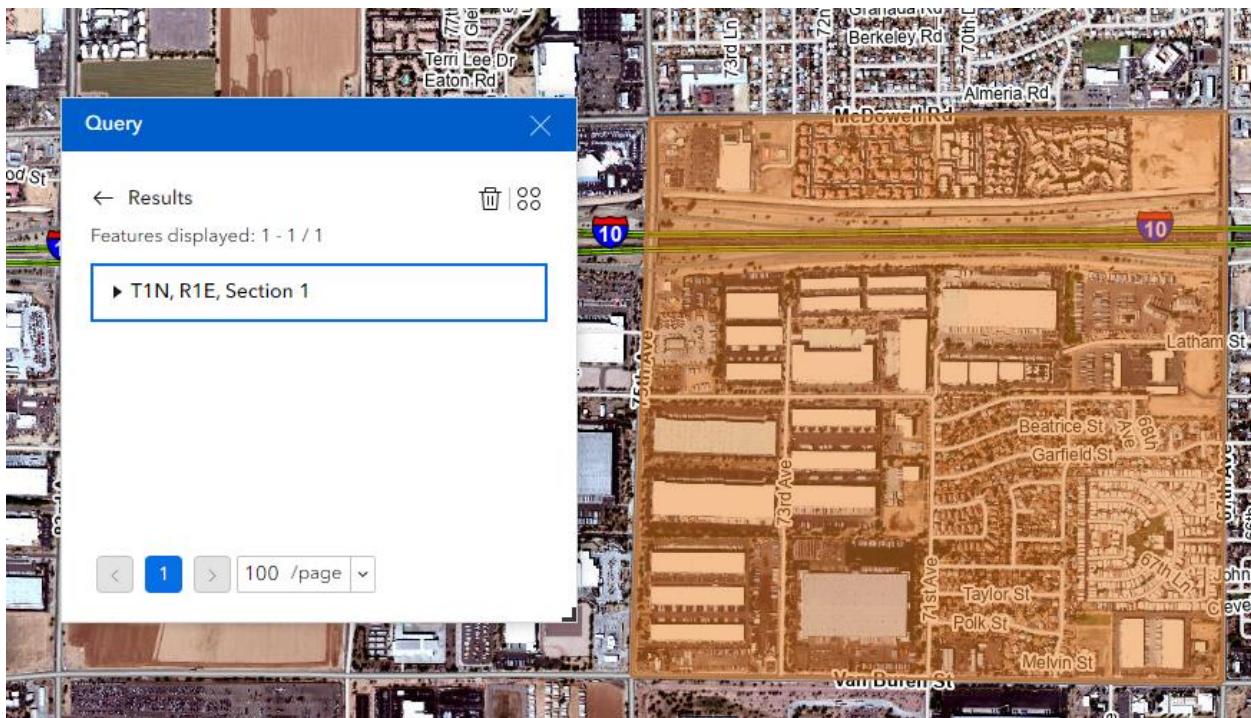
Apply

A screenshot of the expanded "Township, Range, Section" query dialog. The dialog has a blue header with a back arrow labeled "← Township, Range, Section". Below the header are three dropdown menus: "Township is" set to "T1N", "Range is" set to "R1E", and "Section is" set to "1". At the bottom of the dialog are two buttons: a blue "Apply" button and a white "Reset" button.

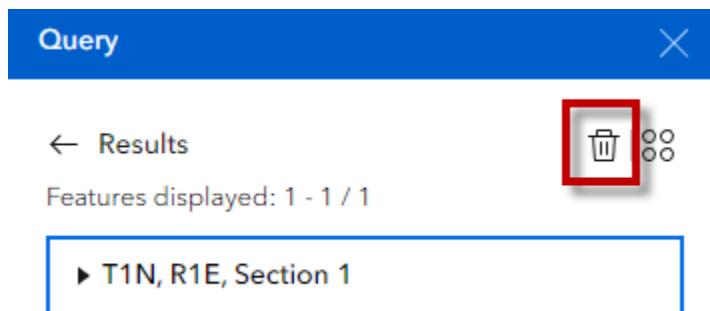
Click on the Record.



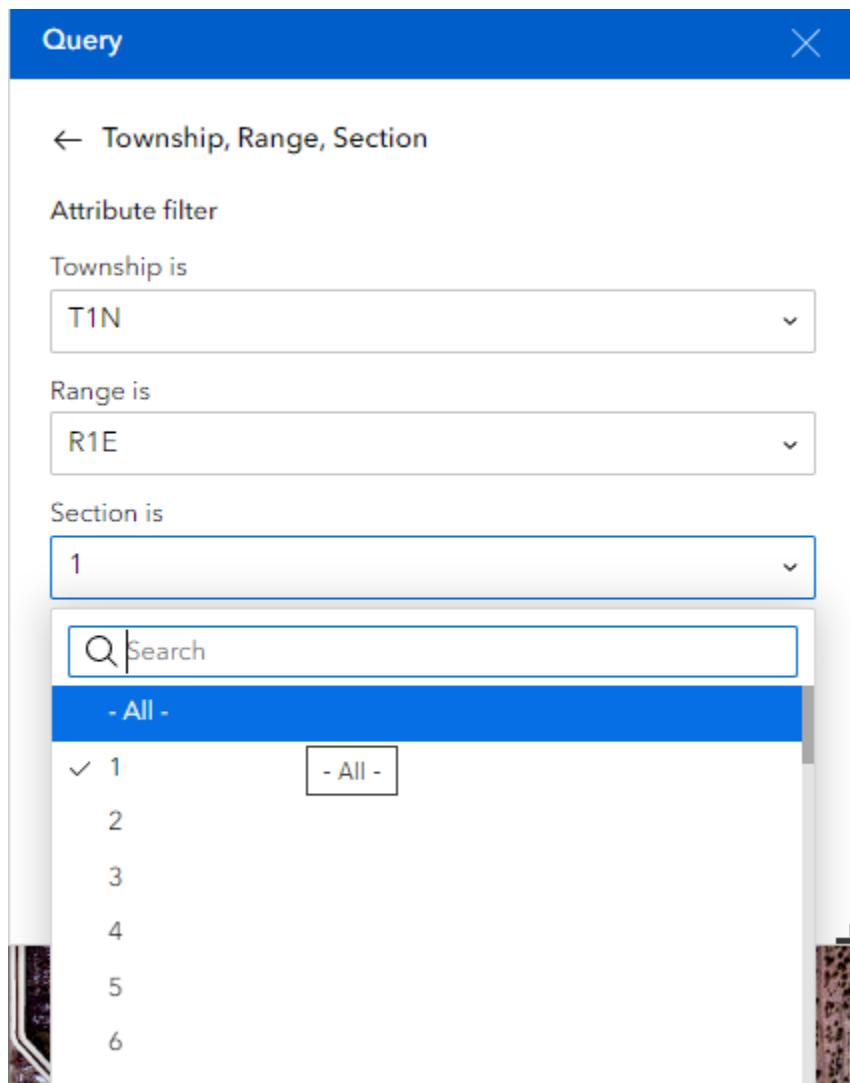
The Map will automatically zoom to this record.  
The selected section will be highlighted in orange.



Clear the Results



Select Section = All



Apply

This will select the entire Township.

36 sections are found within this Township.

Notice how the records are sorted by Section Number.

The screenshot shows a GIS interface. On the left is a 'Query' results window titled 'Query'. It displays a red speech bubble containing the number '36'. Below it, a list of 36 sections is shown, each with a right-pointing arrow and the text 'T1N, R1E, Section [number]'. The numbers range from 1 to 19. At the bottom of the list are navigation buttons for '1' and '100 /page'. To the right of the window is a satellite map of a rural area. A red speech bubble highlights the text 'Township T1N, R1E' over the map. The map shows a grid of agricultural fields and roads, including Crystal Pkwy, 10, 88, 38, Van Buren St, Lower Buckeye Rd, Broadway Rd, 67th Ave, Avondale Blvd, Indian Springs Rd, and Dust Devil Rd. The map is centered on the township boundary.

*Congratulations!!*

You have made it through the half-way point.

It is time to take another break.

Before you go try the example Queries in the Historical Aerials User Guide:

[https://daviddas2.github.io/HistoricalAerials/help/query\\_widget.htm](https://daviddas2.github.io/HistoricalAerials/help/query_widget.htm)

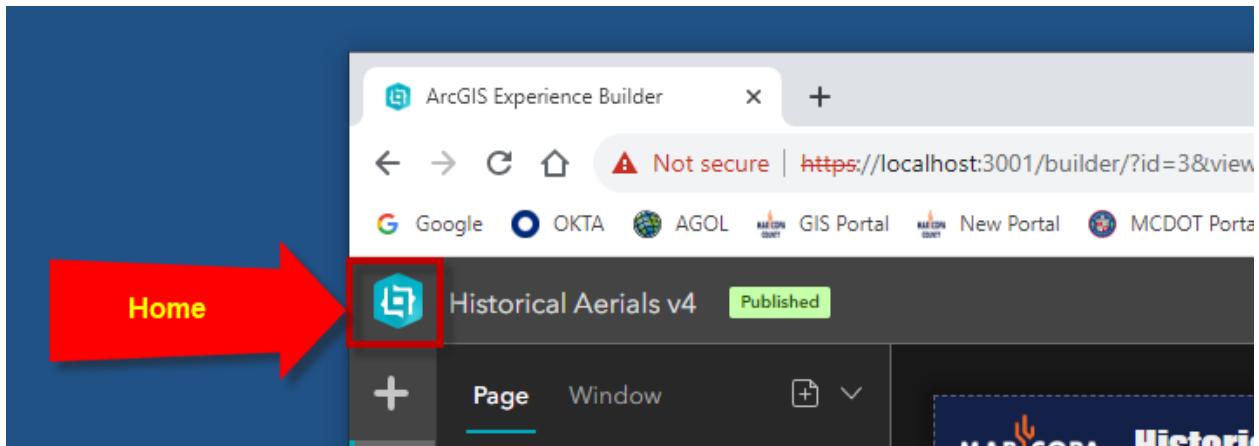
The screenshot shows a web application interface titled "Historical Aerial Photography Web Application User Guide". The left sidebar contains a navigation menu with various tools and widgets listed. The "Query Widget" option is highlighted. The main content area is titled "Query Widget" and contains a sub-section titled "Open the Query Widget." It features a map of Maricopa County, Arizona, with a search bar at the top. A red box highlights the "Query" button in the top right corner of the map interface. An arrow points from the text "You can zoom to any Parcel, Subdivision, ZIP Code, City or Township and run Spatial Queries." to the "Query" button. Below this, there is a section titled "The contents of Query Widget" with several links: "Using the Parcel Query", "Using the Subdivision Query", "Using the ZIP Code Query", "Using the City Query", and "Using the Township, Range, Section Query".

Check to see if everything is working properly.

Verify that you are getting the same results as shown in these examples.

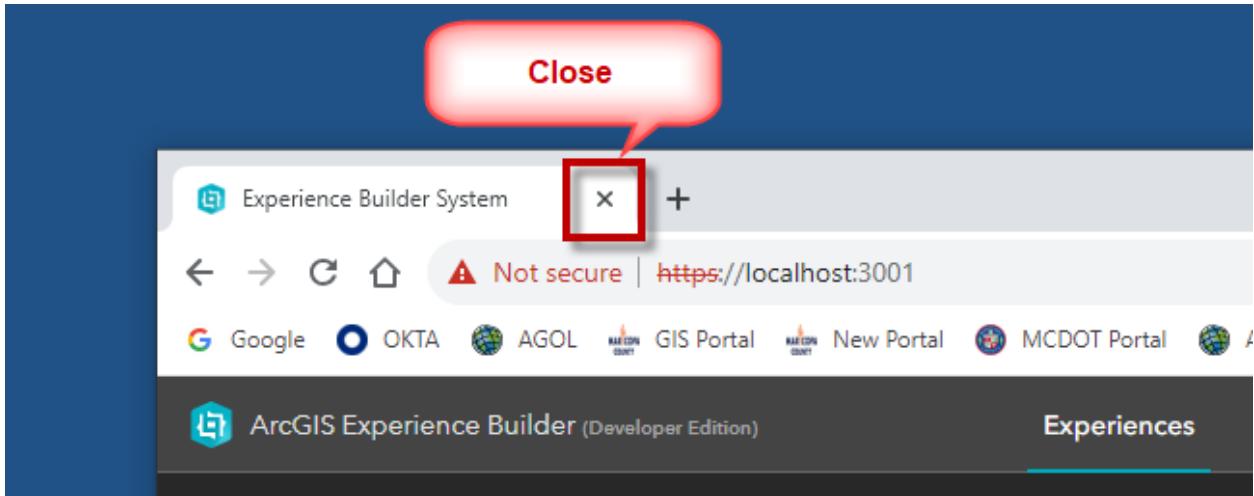
## Close this Experience Builder Session

Go back to the Experience Builder Home Page.

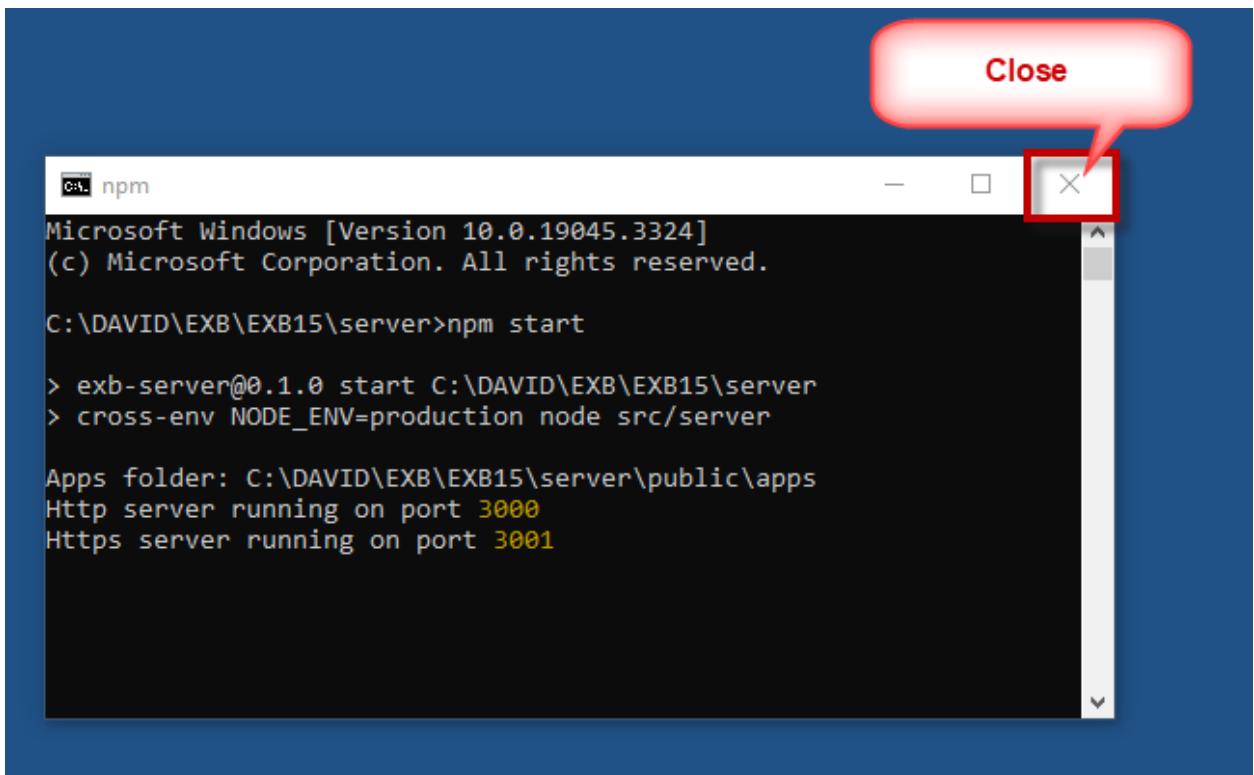


You have gone through 4 iterations of the Historical Aerials Web App.

**Close** the Experience Builder System Tab



**Close** the Command Window running the npm server process.



This concludes **Part-2** of the Experience Builder Developer Edition 1.12 Tutorial.

<https://daviddas2.github.io/exb/part2.pdf>

When you are ready, continue with **Part-3** of this Tutorial.

<https://daviddas2.github.io/exb/part3.pdf>