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Overview

In **Part-3**, you will be adding the Swipe, Basemap Gallery, Draw, Bookmark, Near Me, Coordinate Conversion, Coordinates, Search and Print Widgets.

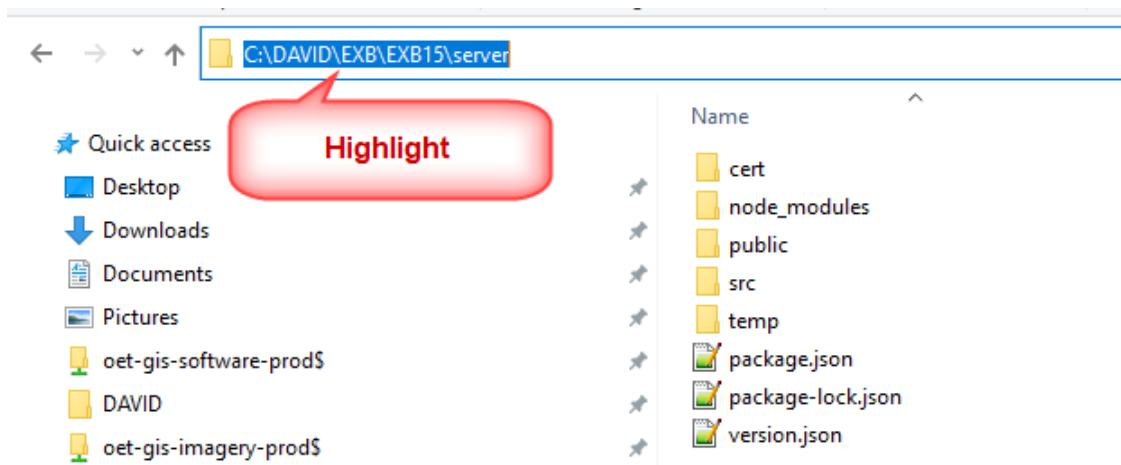
Start a new Experience Builder Session

Navigate to C:\DAVID\EXB\EXB15

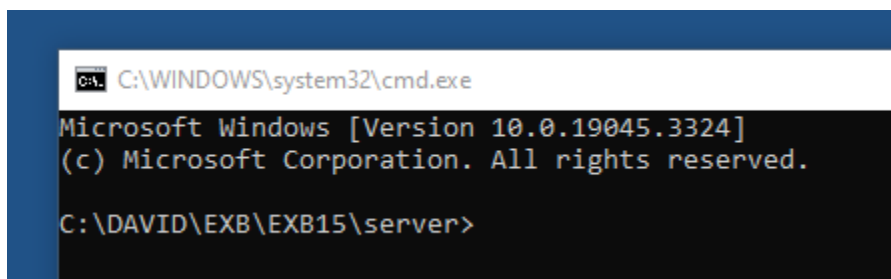
client	9/4/2023 6:54 PM	File folder	
server	9/4/2023 7:57 PM	File folder	
3rd-party-license.txt	9/4/2023 4:52 PM	Text Document	68 KB
readme.txt	9/4/2023 4:52 PM	Text Document	1 KB
version.json	9/4/2023 4:52 PM	JSON File	1 KB

Open the server folder.

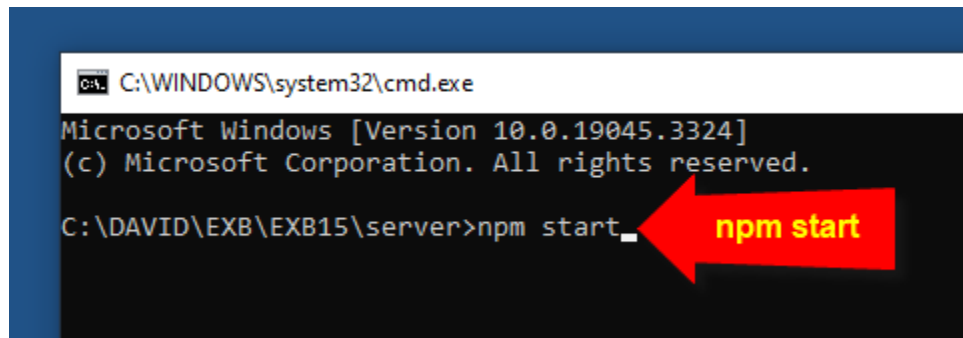
Highlight the path and enter **cmd**



This will open a Command Window with the correct path:



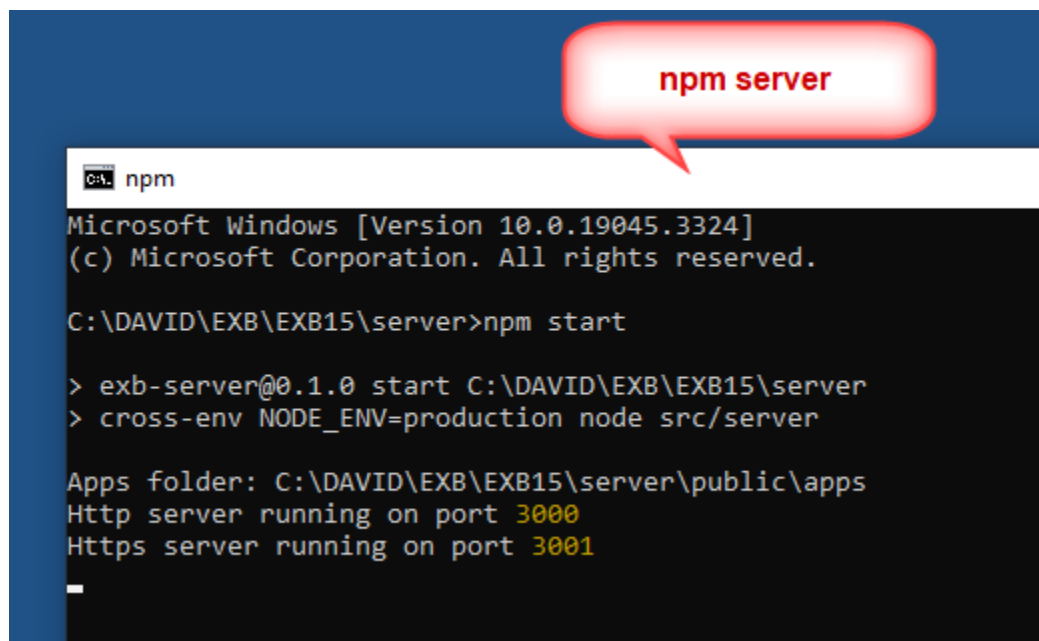
Enter **npm start**



```
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
```

A red arrow points from the text "npm start" to the command entered in the terminal.

This starts the npm server process.



```
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
```

A red speech bubble points from the text "npm server" to the output of the command.

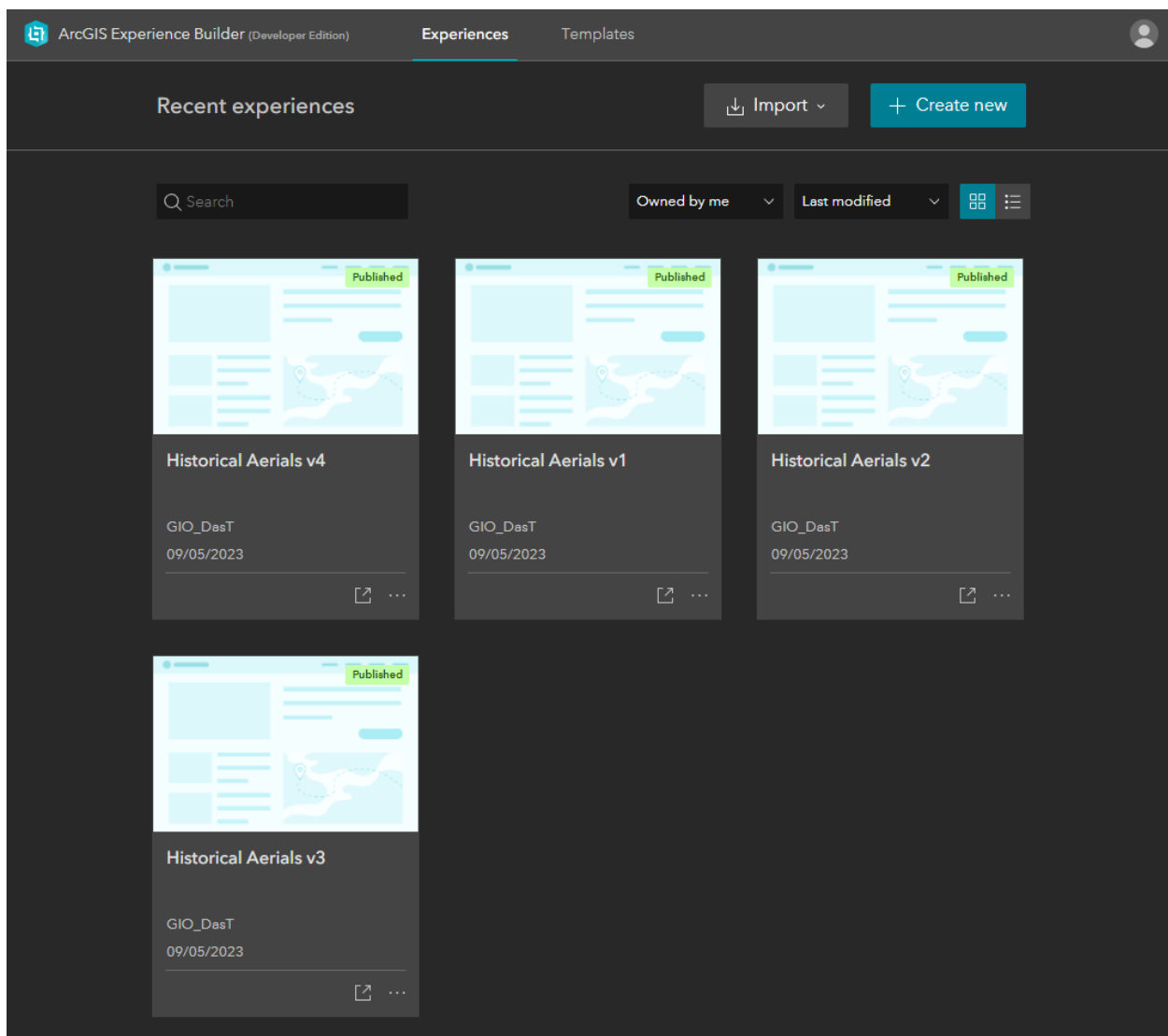
Open Chrome and enter:

<https://localhost:3001>

This launches the Experience Builder.

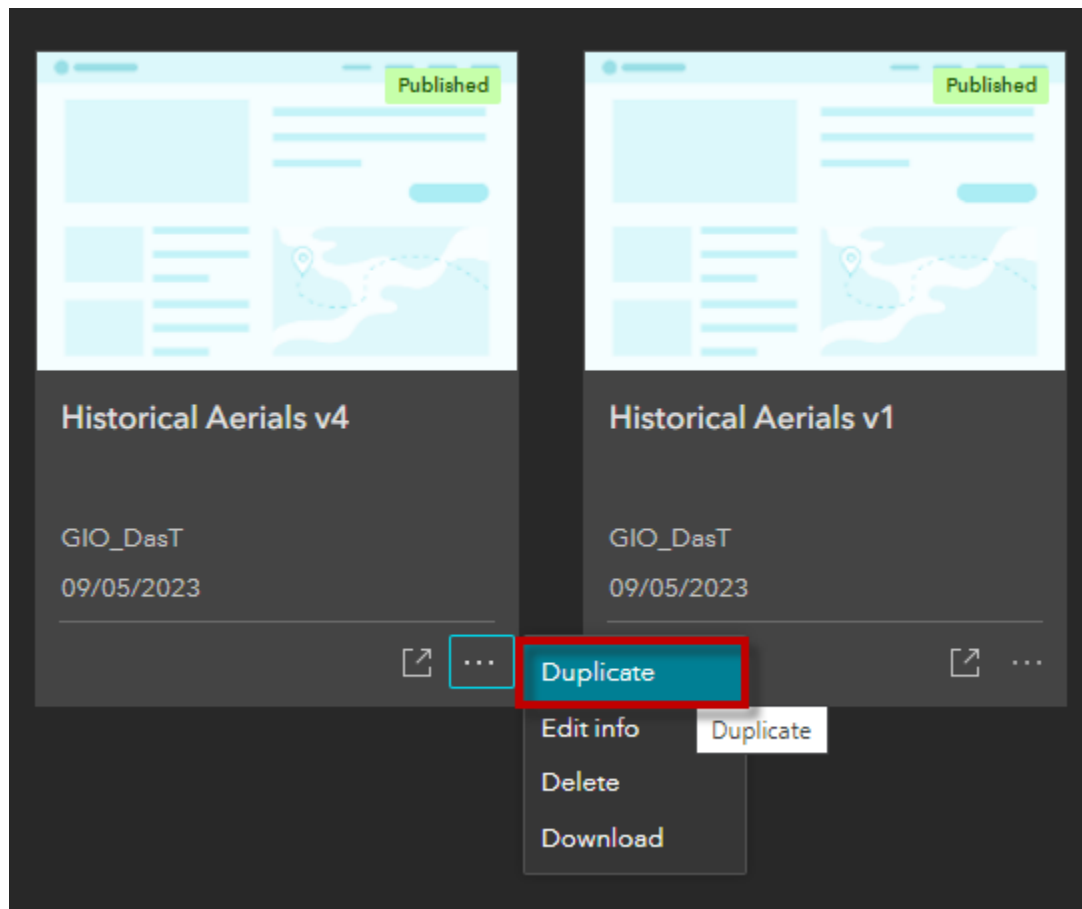
It does not ask you to reenter your credentials.

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

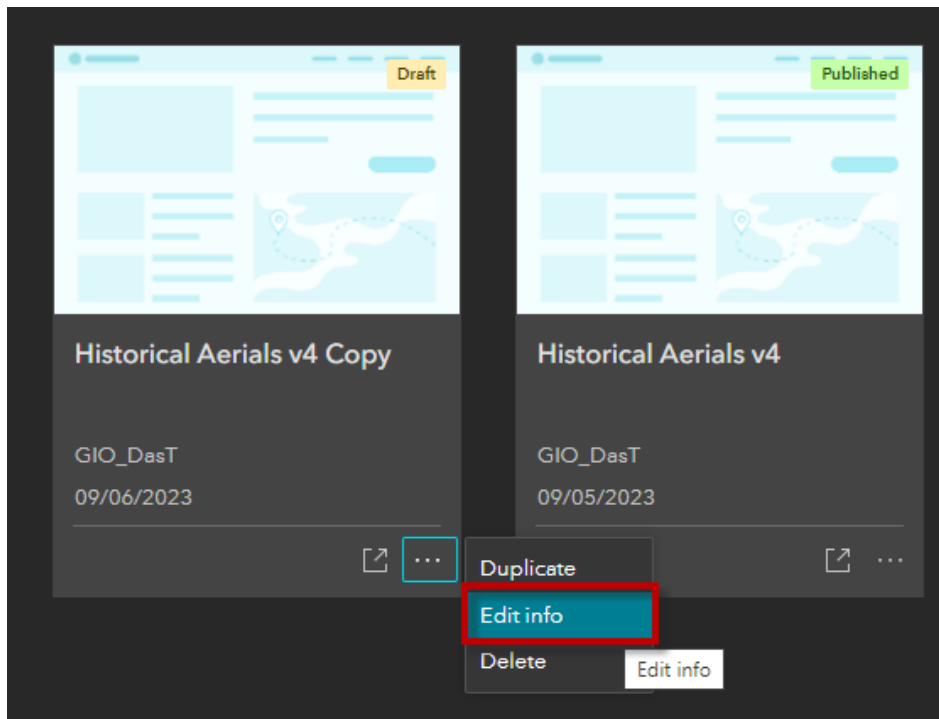


Create Historical Aerials v5

Duplicate Historical Aerials v4 to create Historical Aerials v5

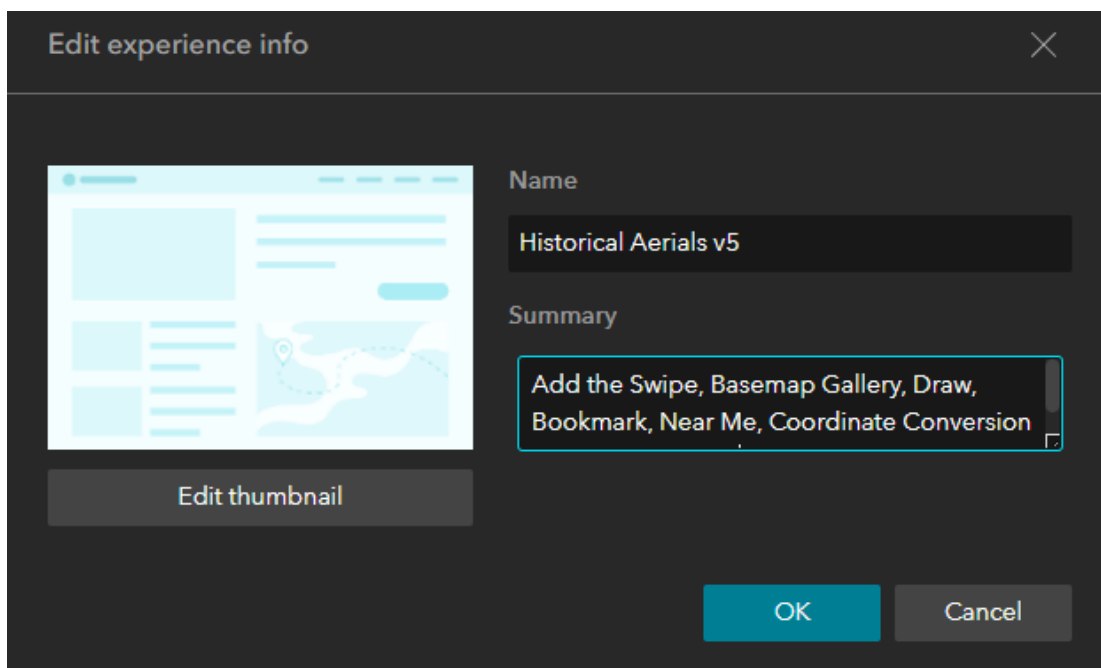


Edit Info



Name = Historical Aerials v5

Summary = Add the Swipe, Basemap Gallery, Draw, Bookmark, Near Me, Coordinate Conversion and Print Widgets.



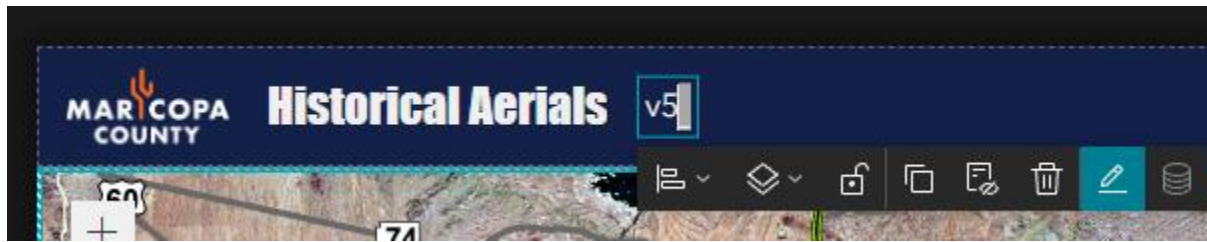
Edit Historical Aerials v5

The screenshot displays a user interface titled "Recent experiences". At the top right, there are buttons for "Import" and "Create new". Below the title bar, there is a search bar and filters for "Owned by me" and "Last modified". The main area shows five cards, each representing a version of "Historical Aerials".

Version	Status	Owner	Date
Historical Aerials v5	Draft	GIO_DasT	09/06/2023
Historical Aerials v4	Published	GIO_DasT	09/05/2023
Historical Aerials v1	Published	GIO_DasT	09/05/2023
Historical Aerials v2	Published	GIO_DasT	09/05/2023
Historical Aerials v3	Published	GIO_DasT	09/05/2023

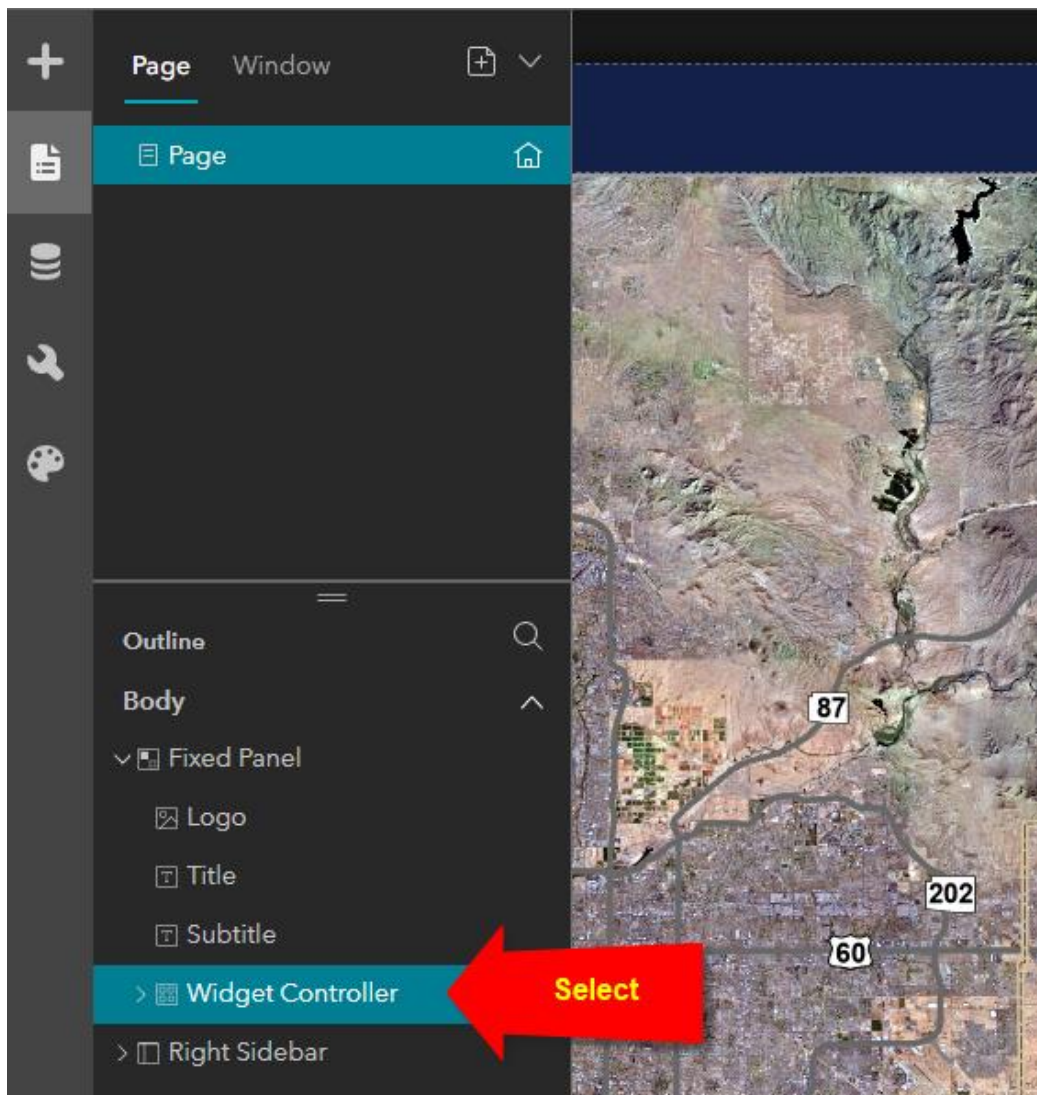
A red arrow labeled "Edit" points to the "Historical Aerials v5" card. Each card includes a thumbnail image of the map, the version name, the owner's name, the date, and icons for sharing and more options.

Edit the Subtitle to read **v5**

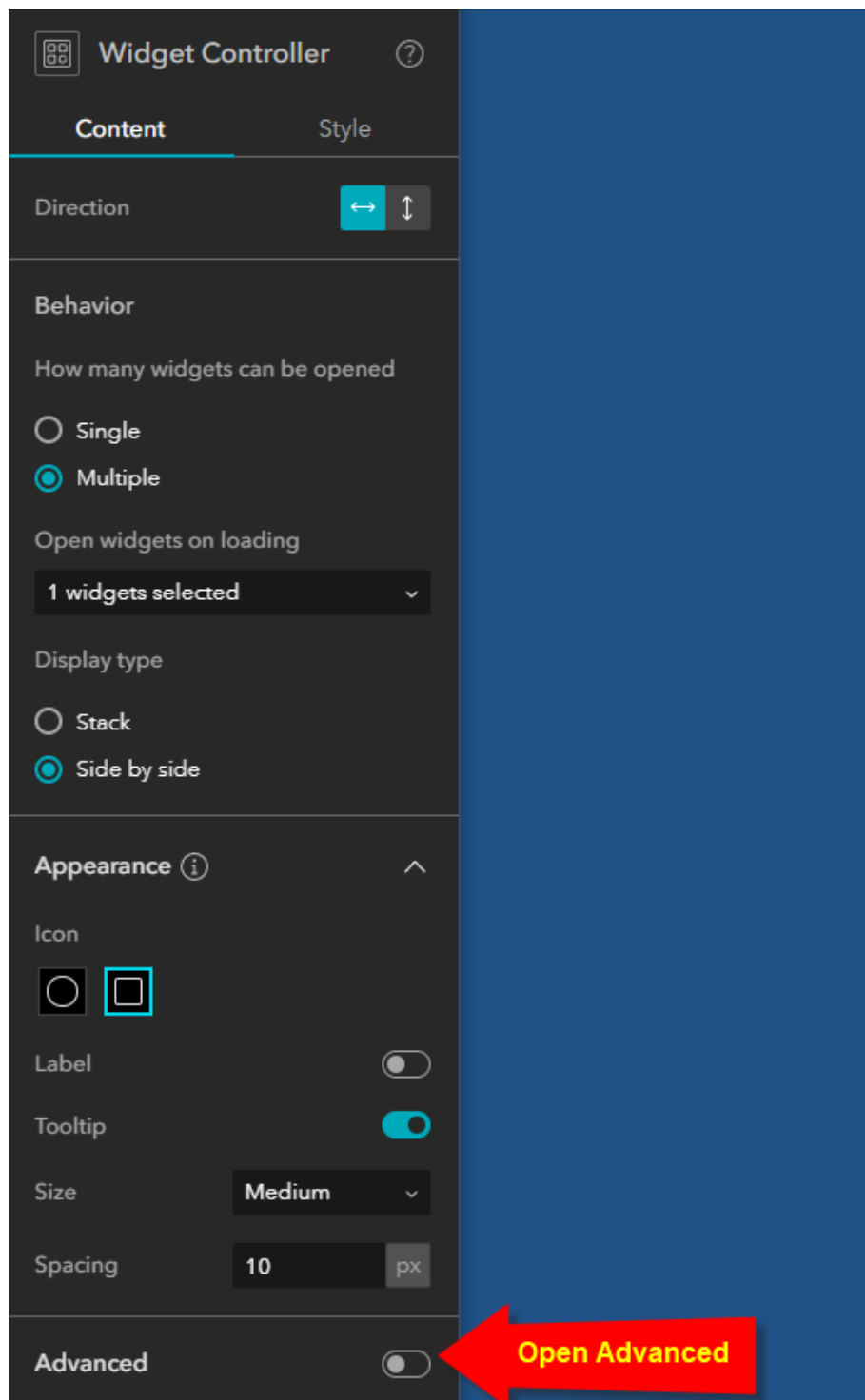


Open the **Page Tab**.

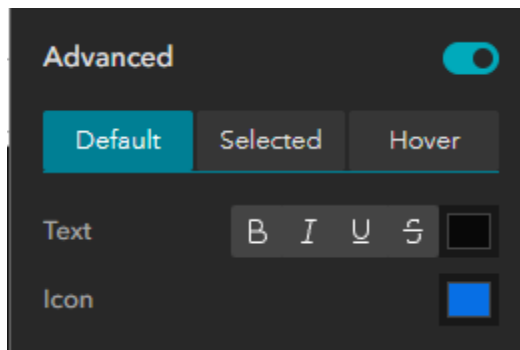
Select the **Widget Controller** from the Page Outline.



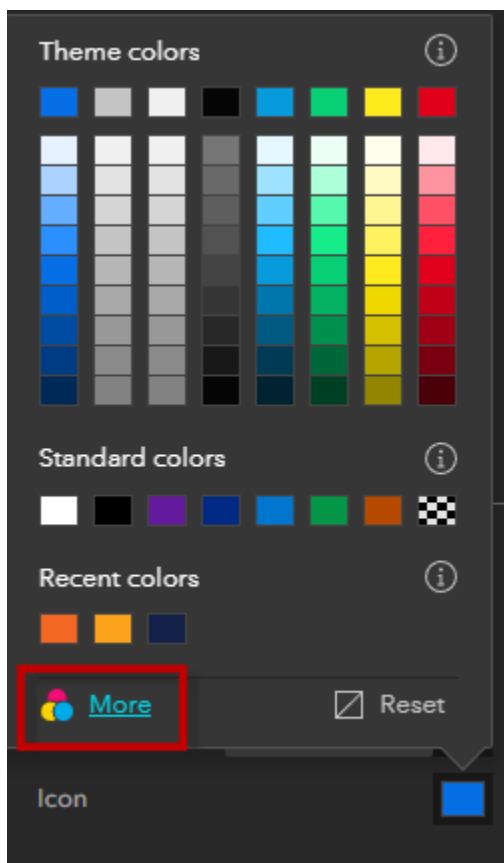
Configure the Widget Controller



Open the Advanced Option

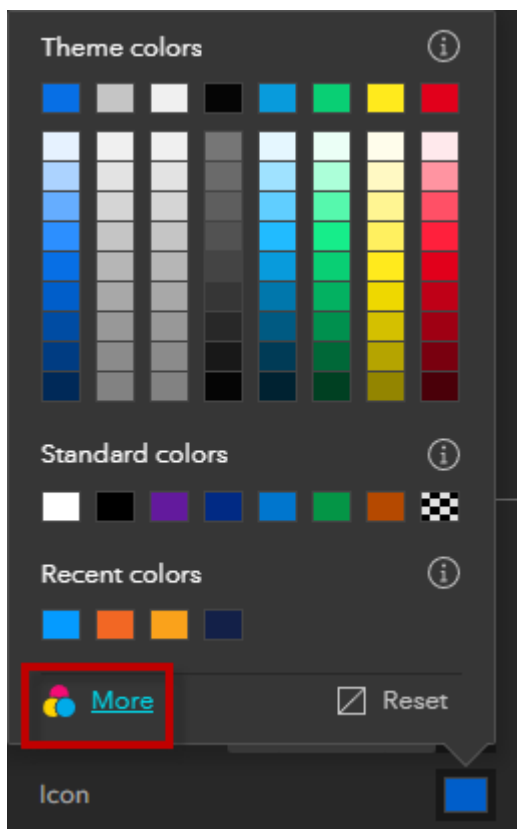
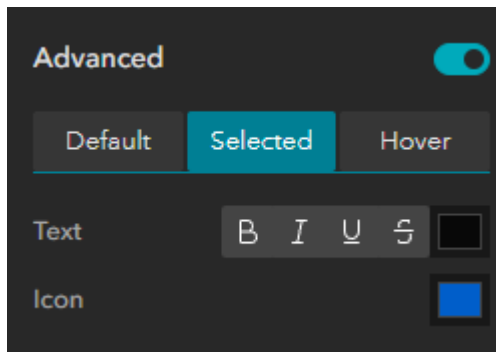


Change the default icon color to #059BFF



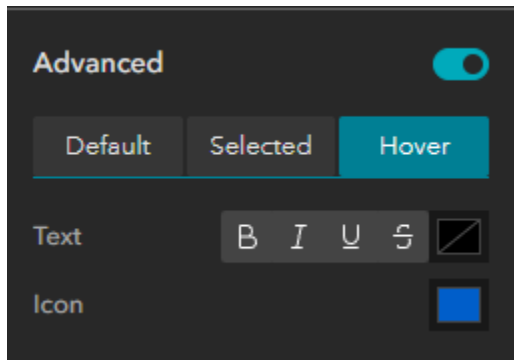


Change the Selected Icon color to #FF8F5C



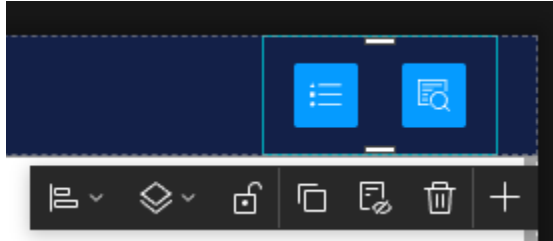


Keep the Hover Icon color as a darker shade of blue = #005eca

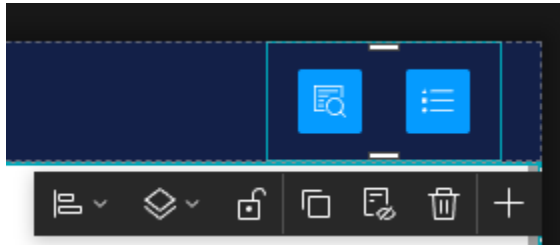


Change the order of the Widgets in the Widget Controller.

Before:



After:

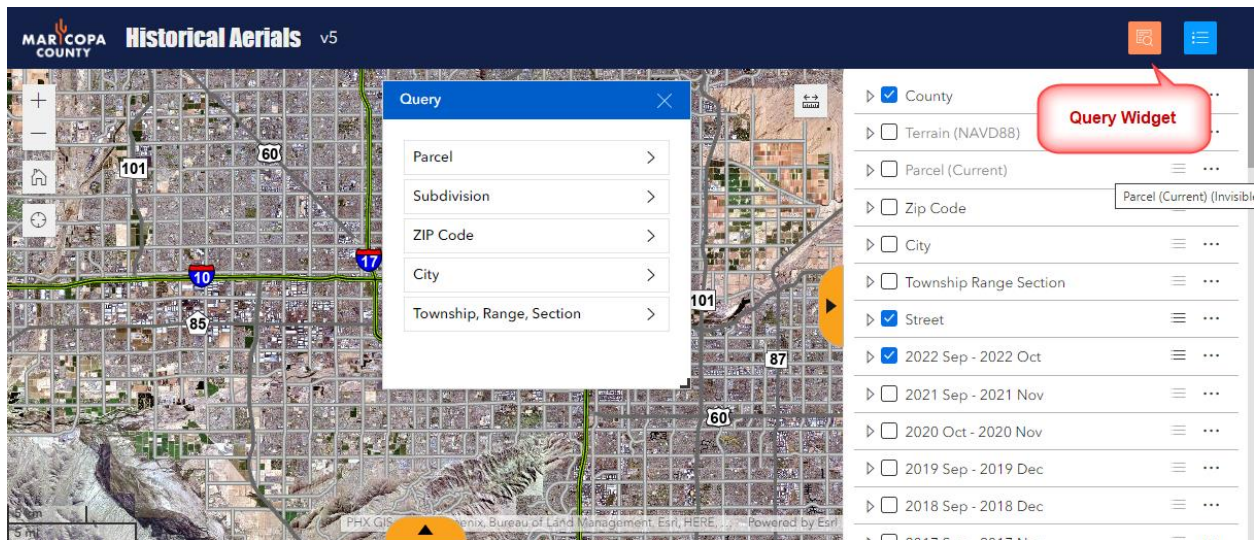


Save, Publish, View Published Item.

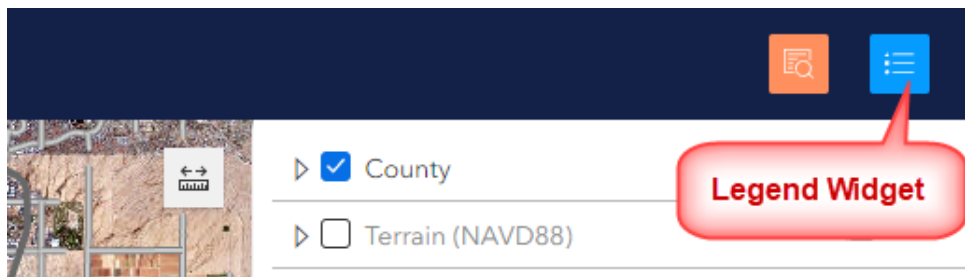
<https://localhost:3001/experience/4/>

The Query Widget is open by default.

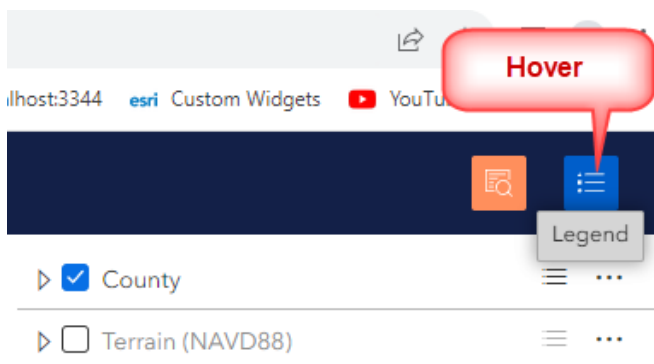
Widgets that have been opened are shown in orange.



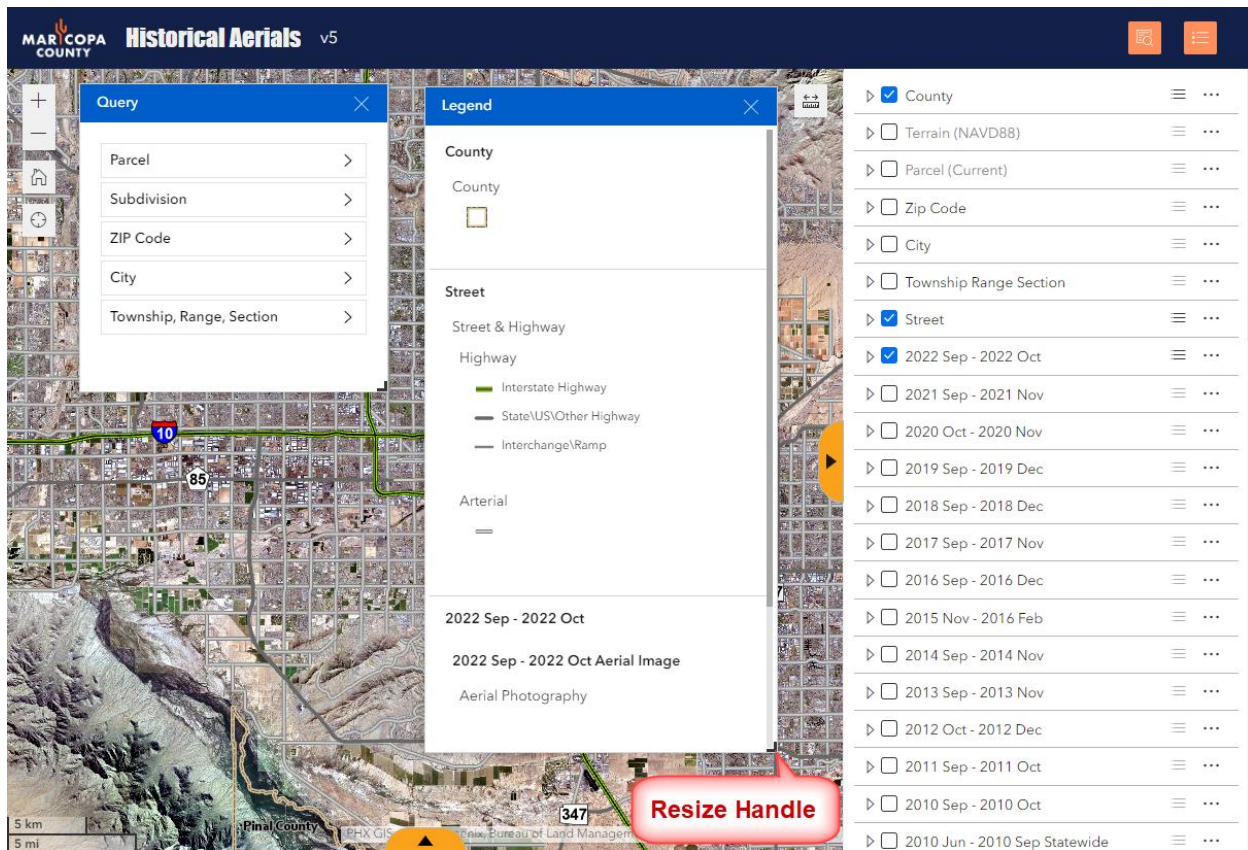
Widgets that are closed appear in blue for example the Legend Widget.



When you hover over a Widget, it turns to a darker shade of blue.



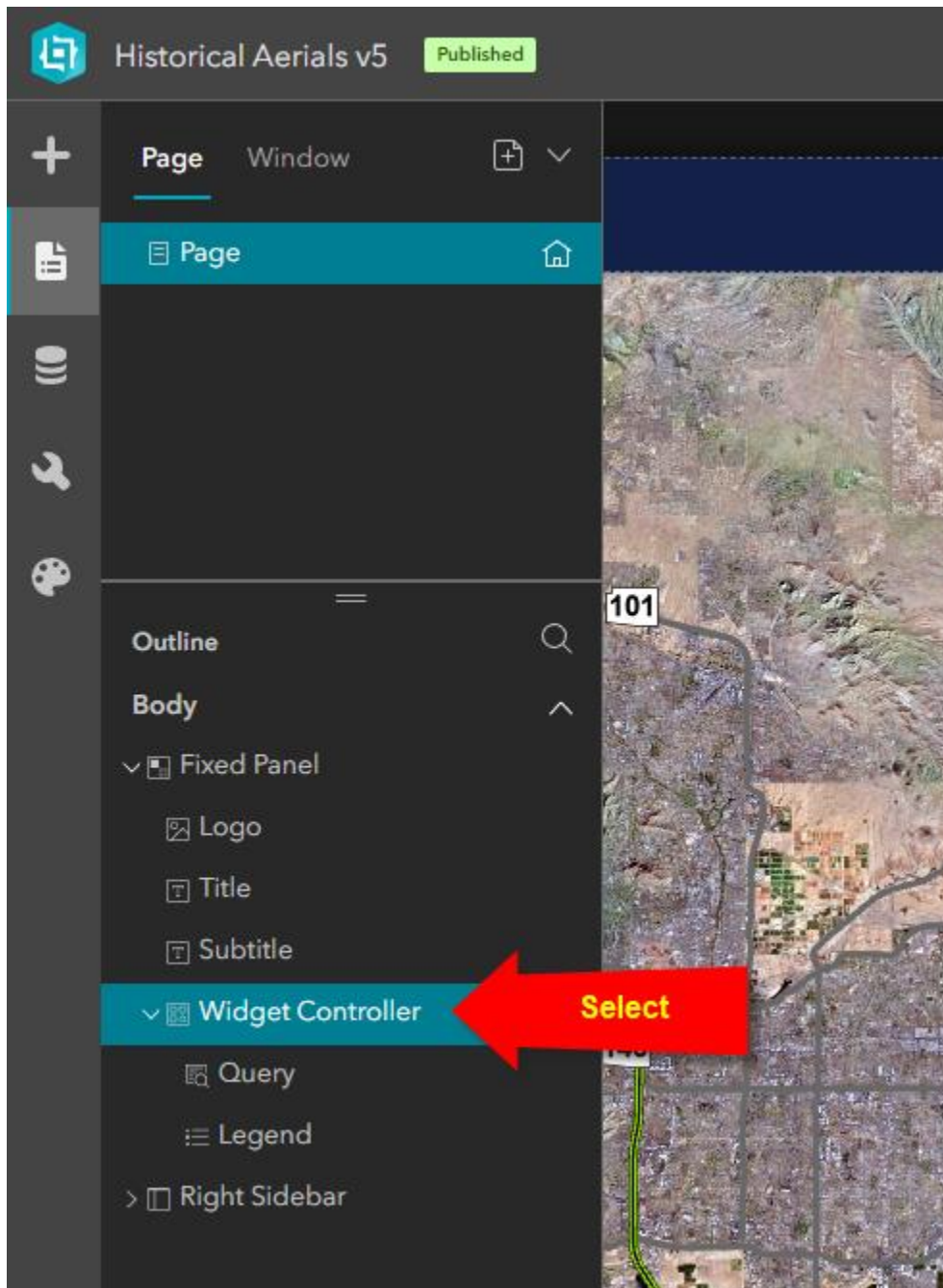
You can open multiple widgets and freely move them around and resize them.



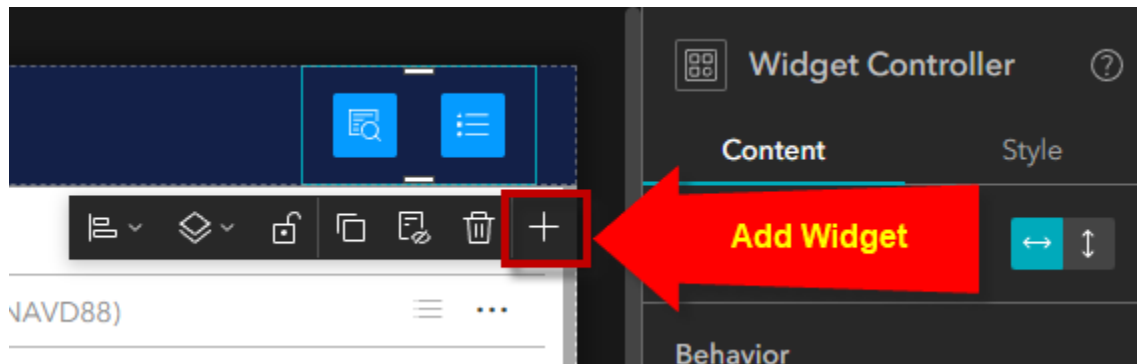
Add the Swipe Widget

The Swipe Widget is critical to the Historical Aerials Web App. This was added in Experience Builder version 1.12.

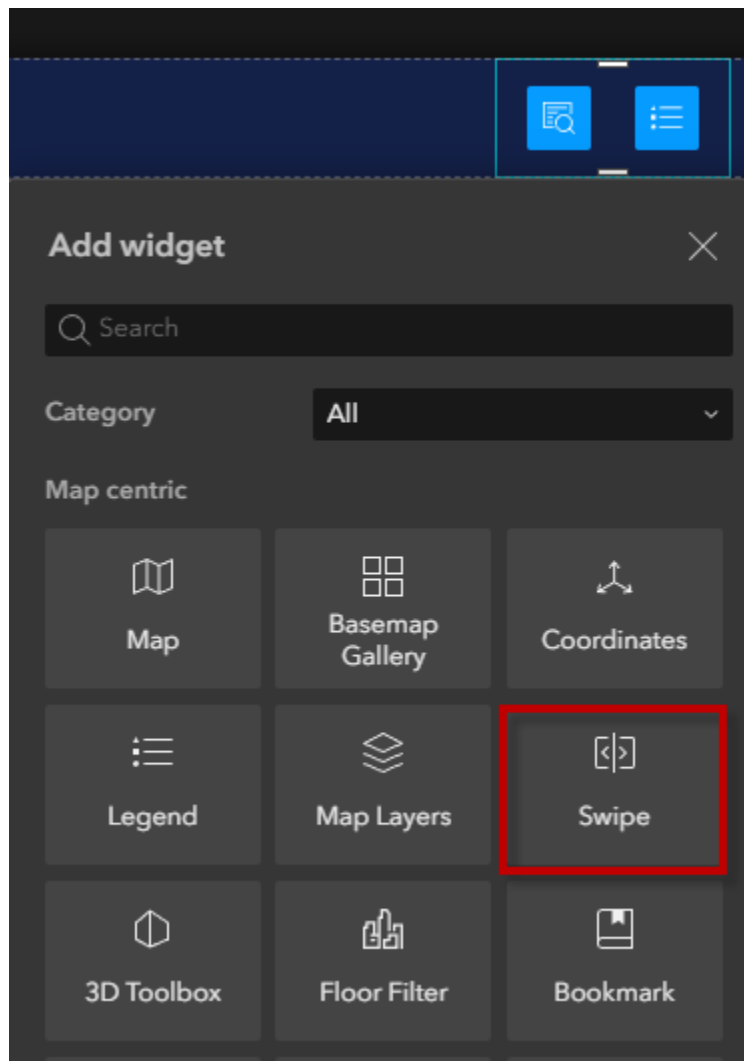
Select the Widget Controller in the Page Outline.



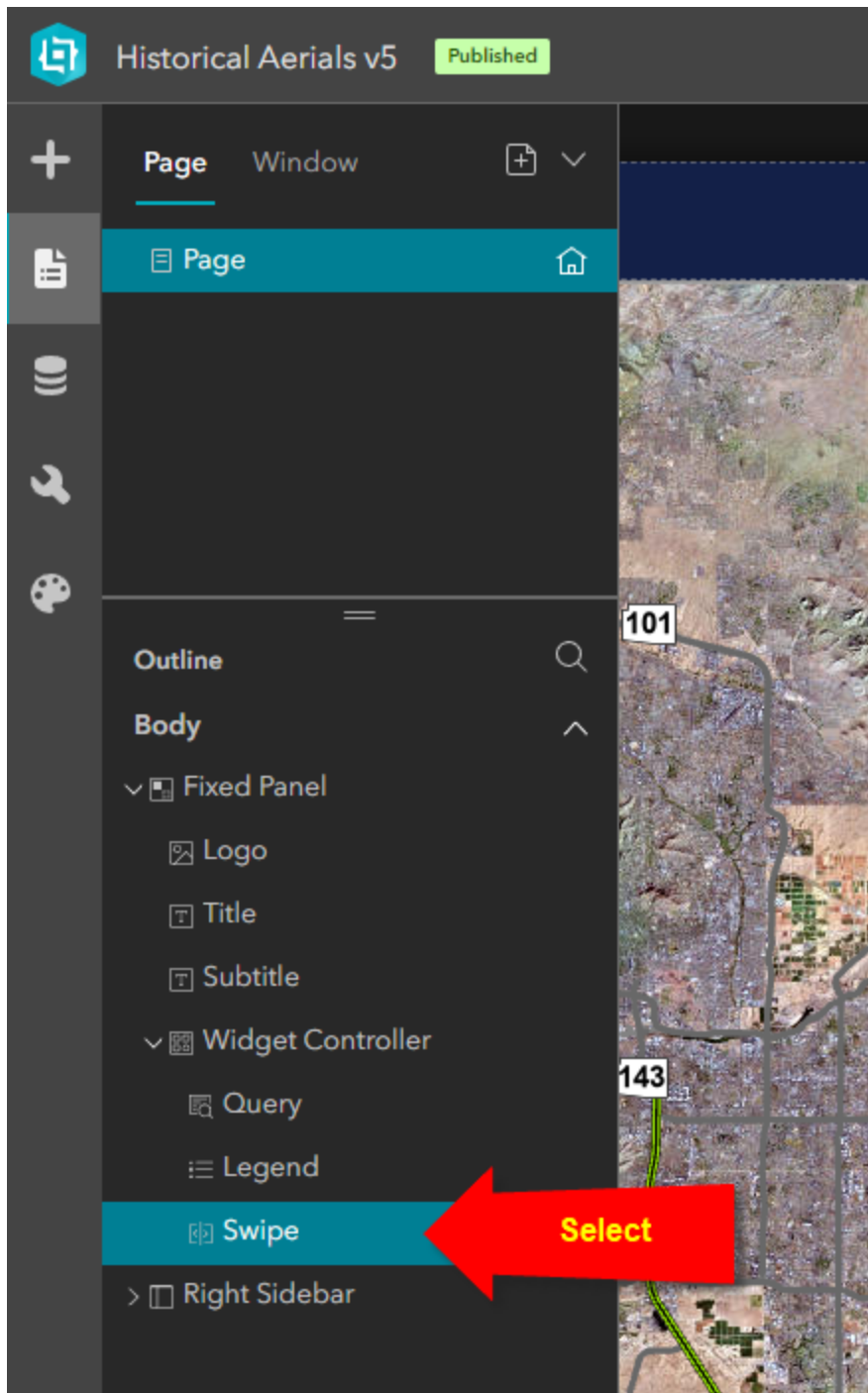
Click on the Add Widget Tool.



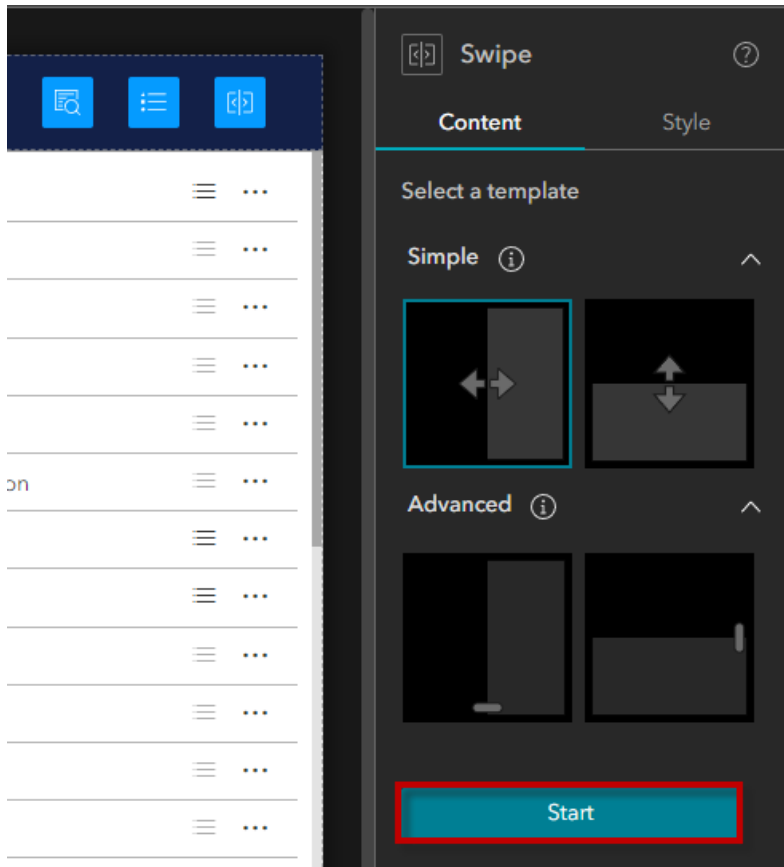
Add the Swipe Widget.



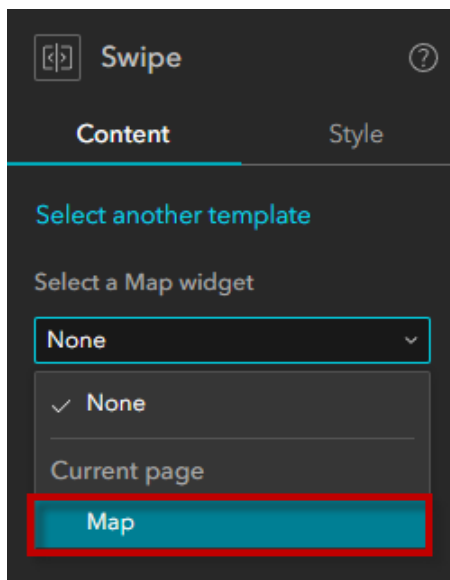
Select the Swipe Widget from the Page Outline.

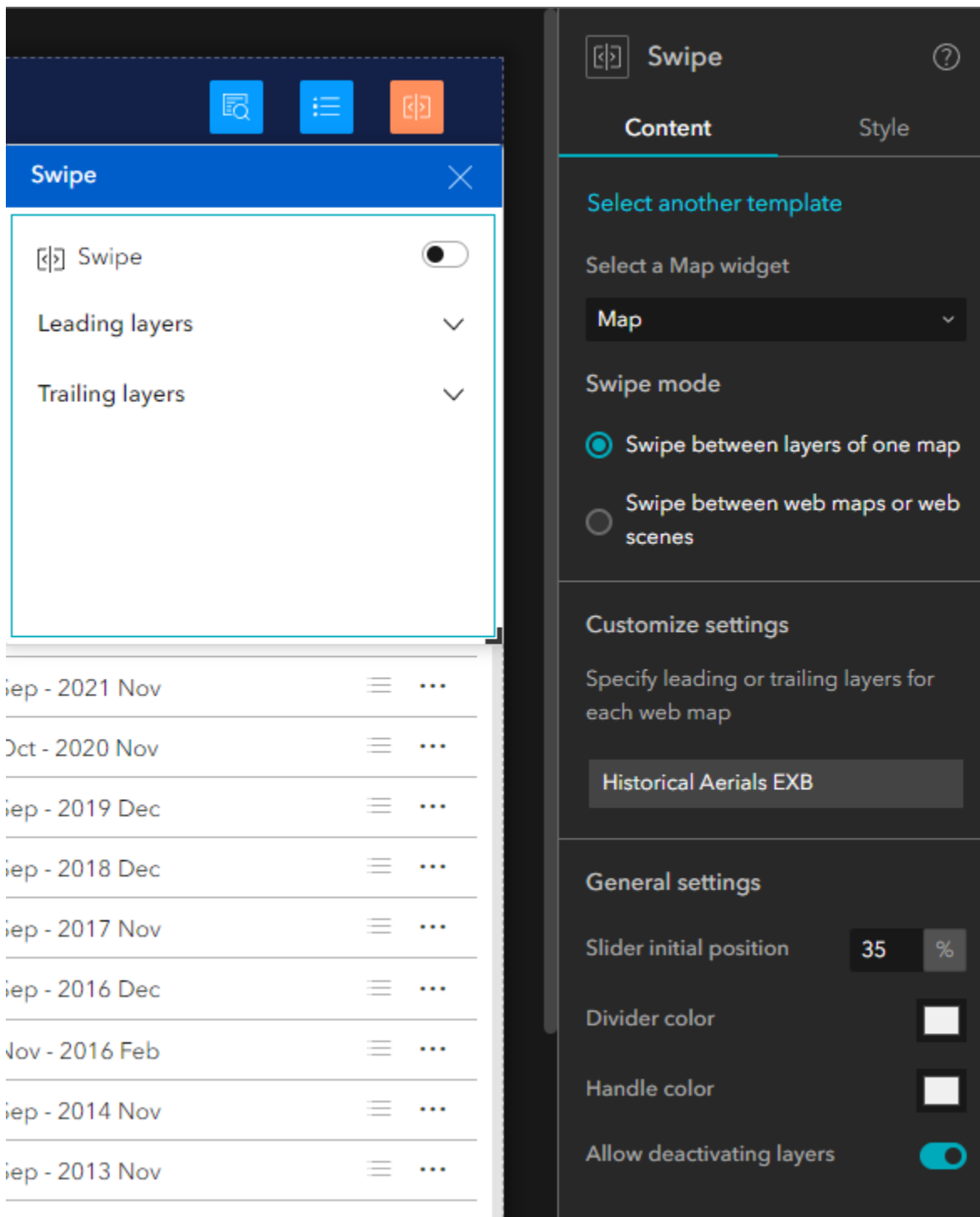


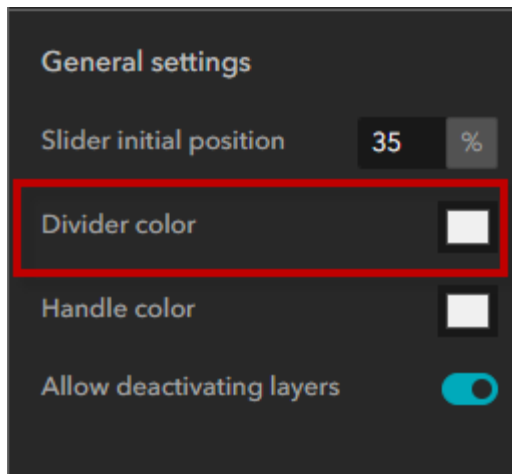
Start



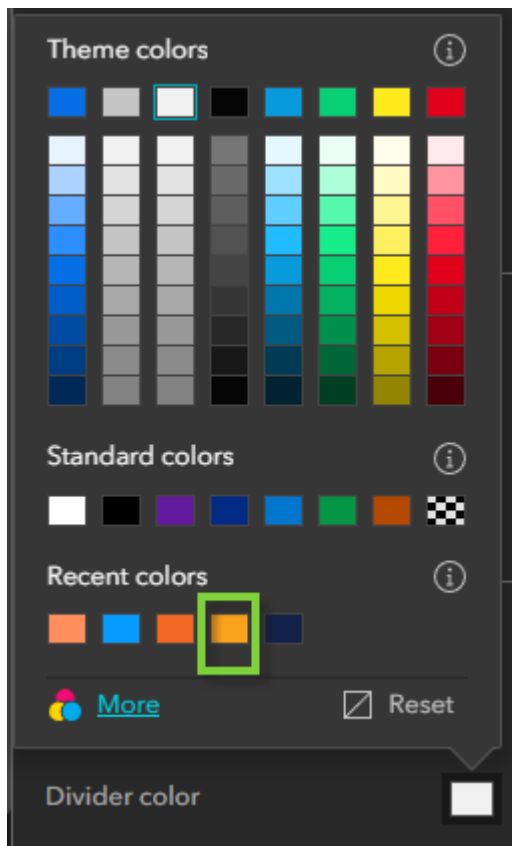
Select a Map Widget = Map

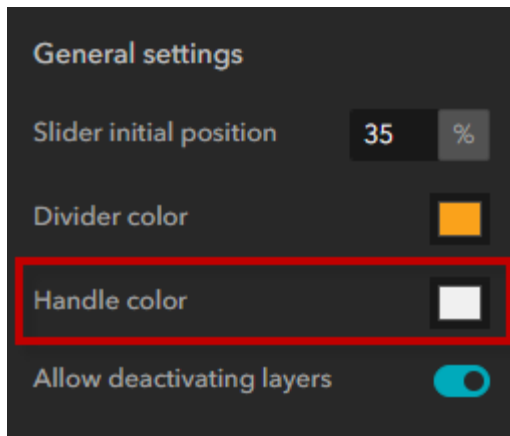




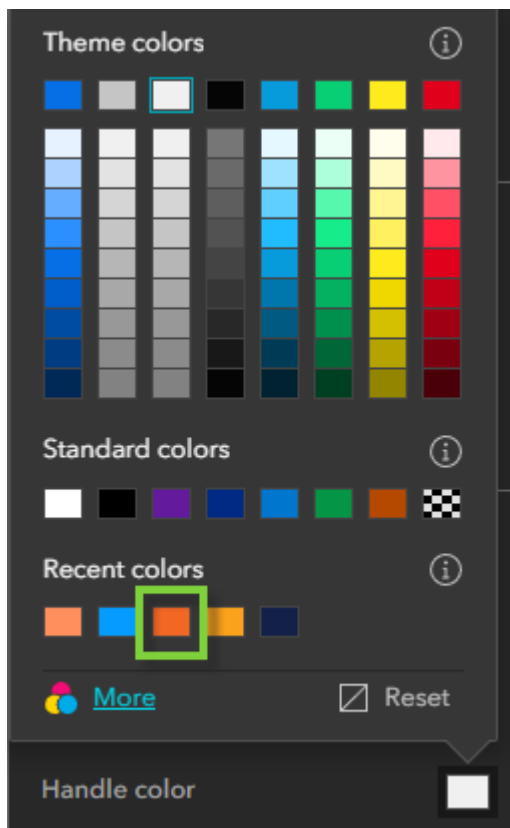


Change the Divider Color = #FAA21B

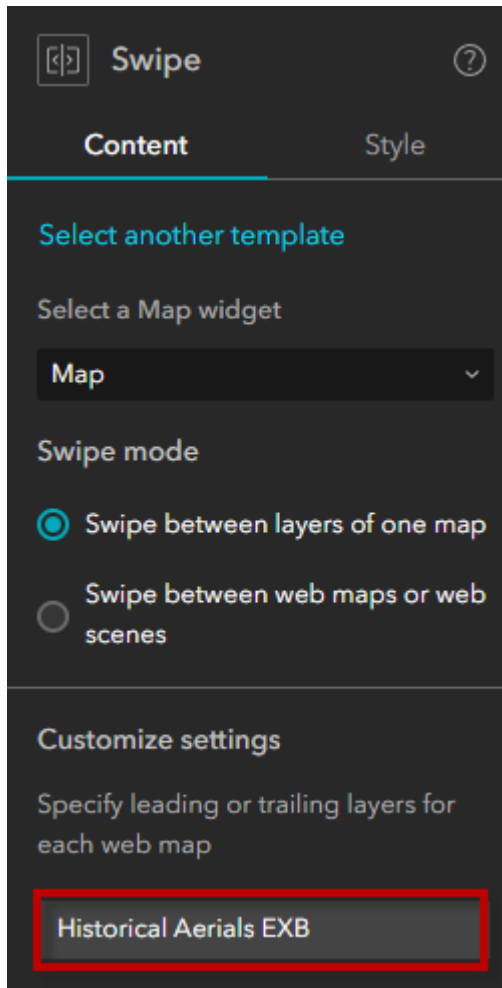




Change the Handle Color = #F26724



Customize Settings.



Select Historical Aerials EXB

Select Leading Layers.

The screenshot shows the configuration panel for a 'Historical Aerials EXB' swipe widget. The panel is divided into two main sections: 'Select leading layers' and 'Select trailing layers'. In the 'Select leading layers' section, there is a dropdown menu showing '0 Selected' with a red box highlighting the dropdown arrow. Below this is a preview area showing a map widget with a double-headed arrow. The 'Select trailing layers' section also has a dropdown menu showing '0 Selected' and a preview area showing a map widget with a double-headed arrow. On the right side of the panel, there is a 'Swipe' tab with two sub-tabs: 'Content' and 'Style'. The 'Content' sub-tab is active. It contains a 'Select another template' link, a 'Select a Map widget' dropdown menu showing 'Map', and a 'Swipe mode' section with two radio buttons: 'Swipe between layers of one map' (selected) and 'Swipe between web maps or web scenes'. Below this is a 'Customize settings' section with a text description and a list of settings for 'Historical Aerials EXB'. The 'General settings' section includes a 'Slider initial position' set to 35%, a 'Divider color' selector (yellow), a 'Handle color' selector (orange), and an 'Allow deactivating layers' toggle switch (turned on).

Historical Aerials EXB

Select leading layers

0 Selected

Select trailing layers

0 Selected

Swipe

Content Style

Select another template

Select a Map widget

Map

Swipe mode

☒ Swipe between layers of one map

☐ Swipe between web maps or web scenes

Customize settings

Specify leading or trailing layers for each web map

Historical Aerials EXB

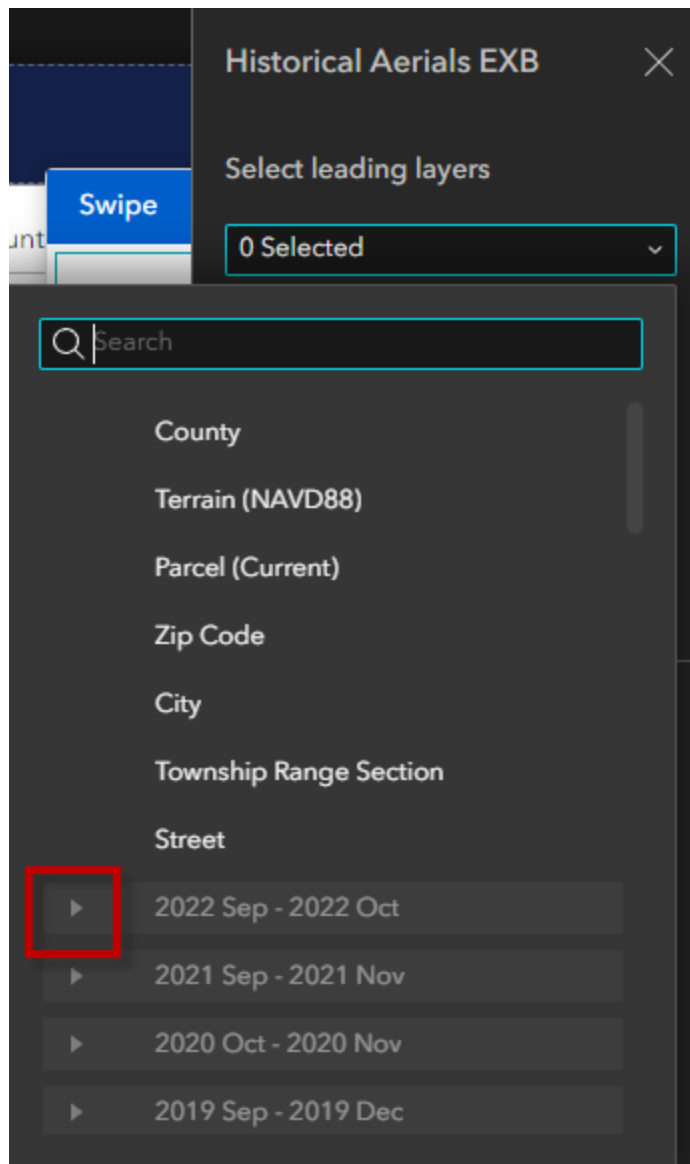
General settings

Slider initial position 35 %

Divider color

Handle color

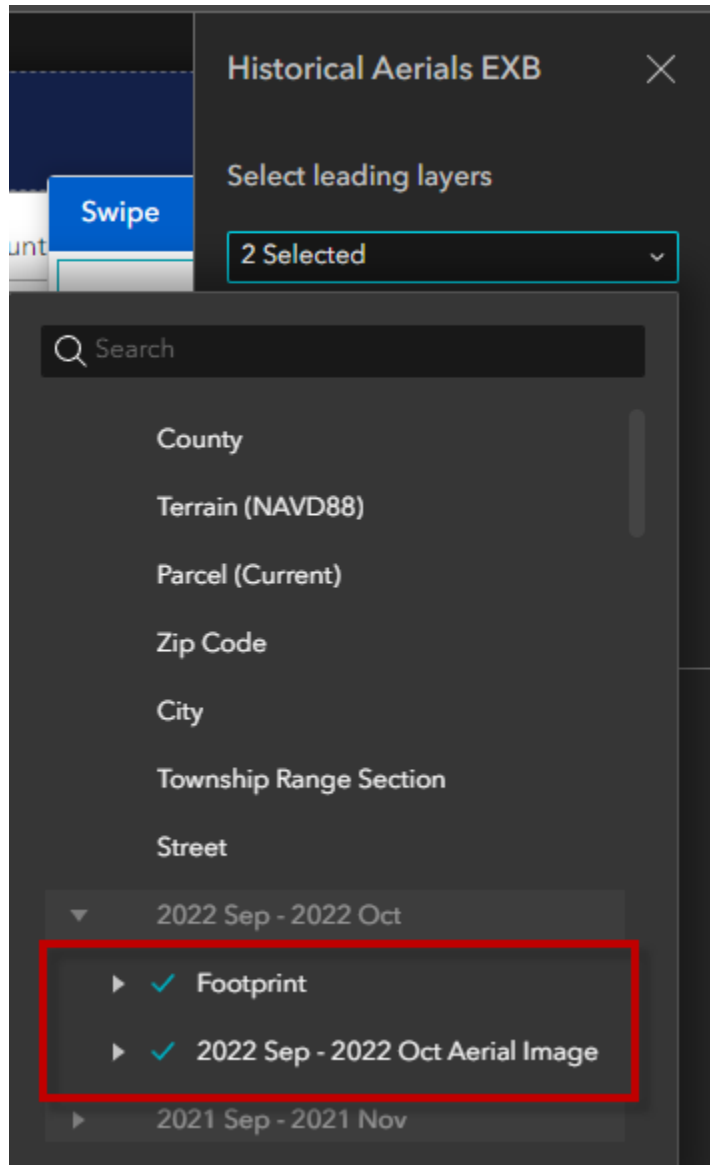
Allow deactivating layers



Expand 2022 Sep – 2022 Oct

Check these two Leading Layers from the 2022 Sep – 2022 Oct Layer Group

- Footprint
- 2022 Sep – 2022 Oct Aerial Image



Select Trailing Layers

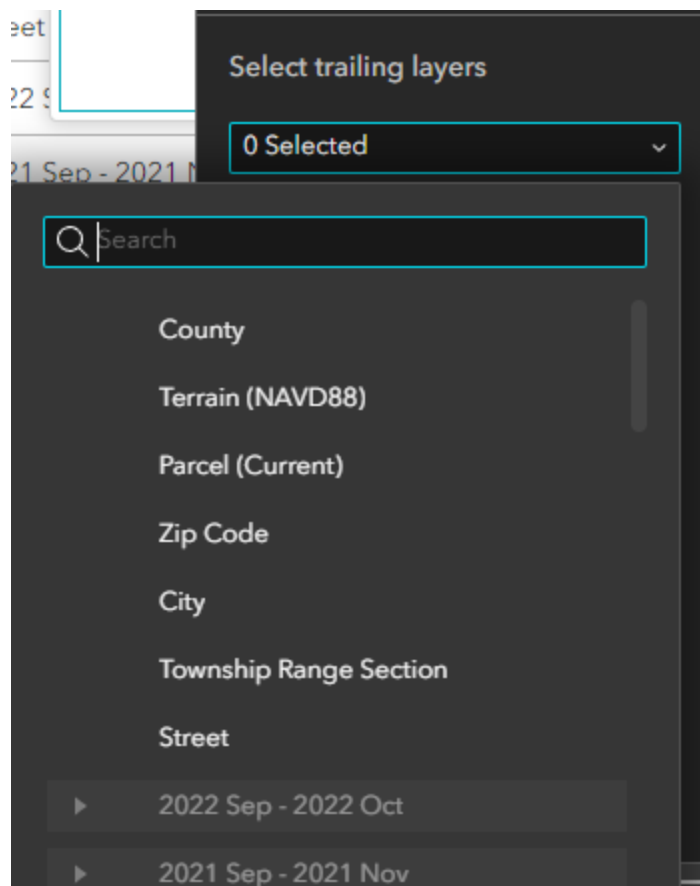
The screenshot displays the configuration interface for a 'Historical Aerials EXB' swipe widget. The interface is divided into two main panels: a left configuration panel and a right settings panel.

Left Panel:

- Historical Aerials EXB** (Title bar with a close button)
- Select leading layers:** A dropdown menu showing '2 Selected'.
- Select trailing layers:** A dropdown menu showing '0 Selected'. A red square highlights the dropdown arrow icon.

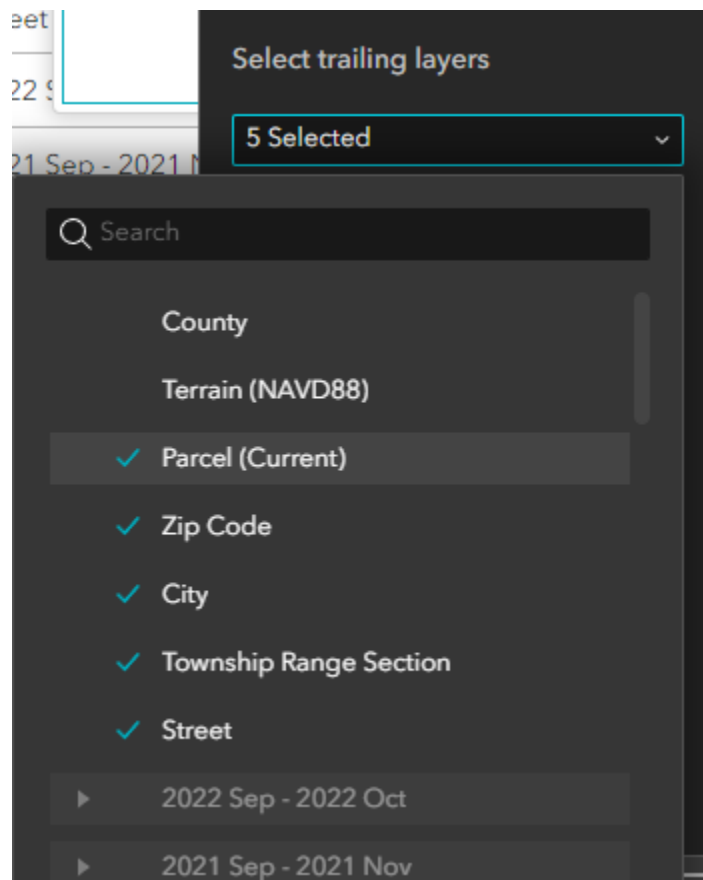
Right Panel:

- Swipe** (Title bar with a help icon)
- Content** (Active tab) and **Style** (Inactive tab)
- Select another template** (Link)
- Select a Map widget:** A dropdown menu showing 'Map'.
- Swipe mode:** Two radio button options:
 - ☒ Swipe between layers of one map
 - ☐ Swipe between web maps or web scenes
- Customize settings** (Section header)
- Specify leading or trailing layers for each web map:** A list containing 'Historical Aerials EXB'.
- General settings** (Section header)
- Slider initial position:** A slider set to '35 %'.
- Divider color:** A color picker showing a yellow-orange color.
- Handle color:** A color picker showing an orange color.
- Allow deactivating layers:** A toggle switch that is currently turned on.



Check these 5 Trailing Layers.

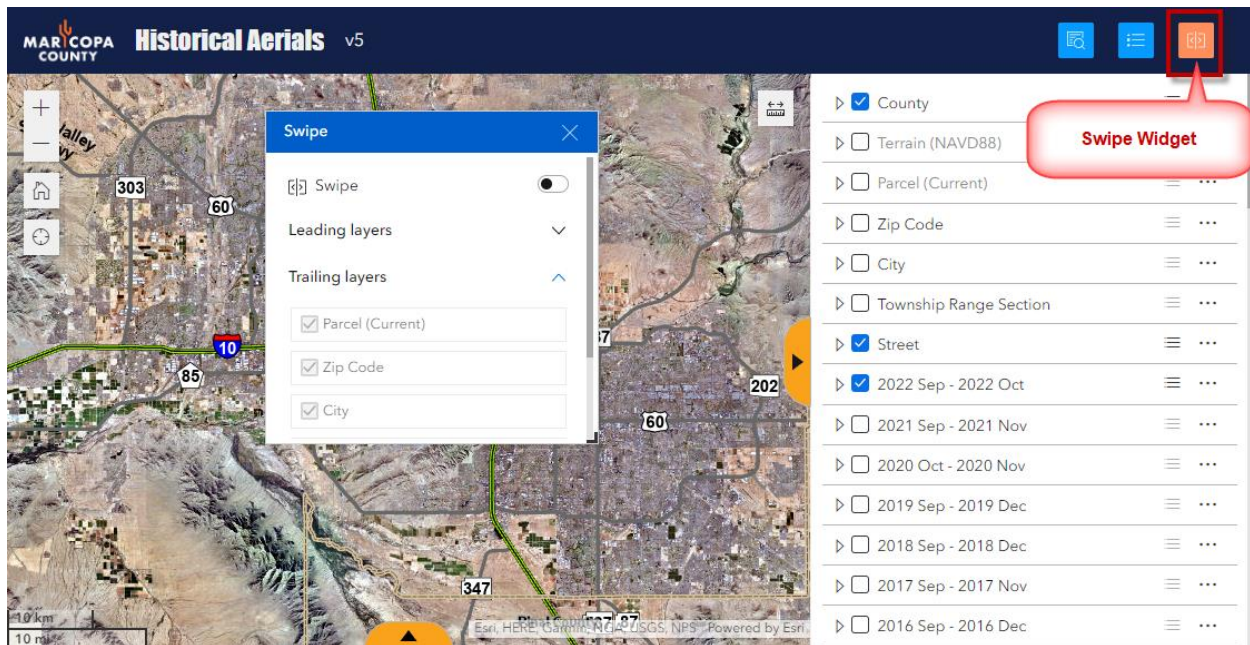
- Parcel (Current)
- City
- Township Range Section
- Street



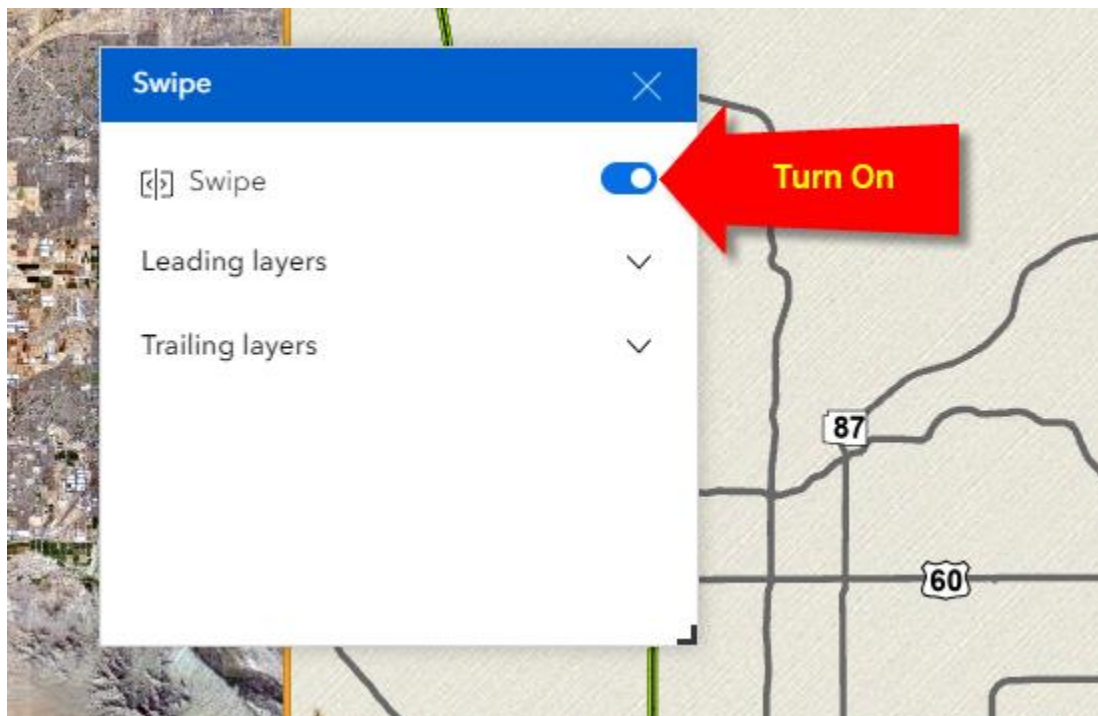
Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>

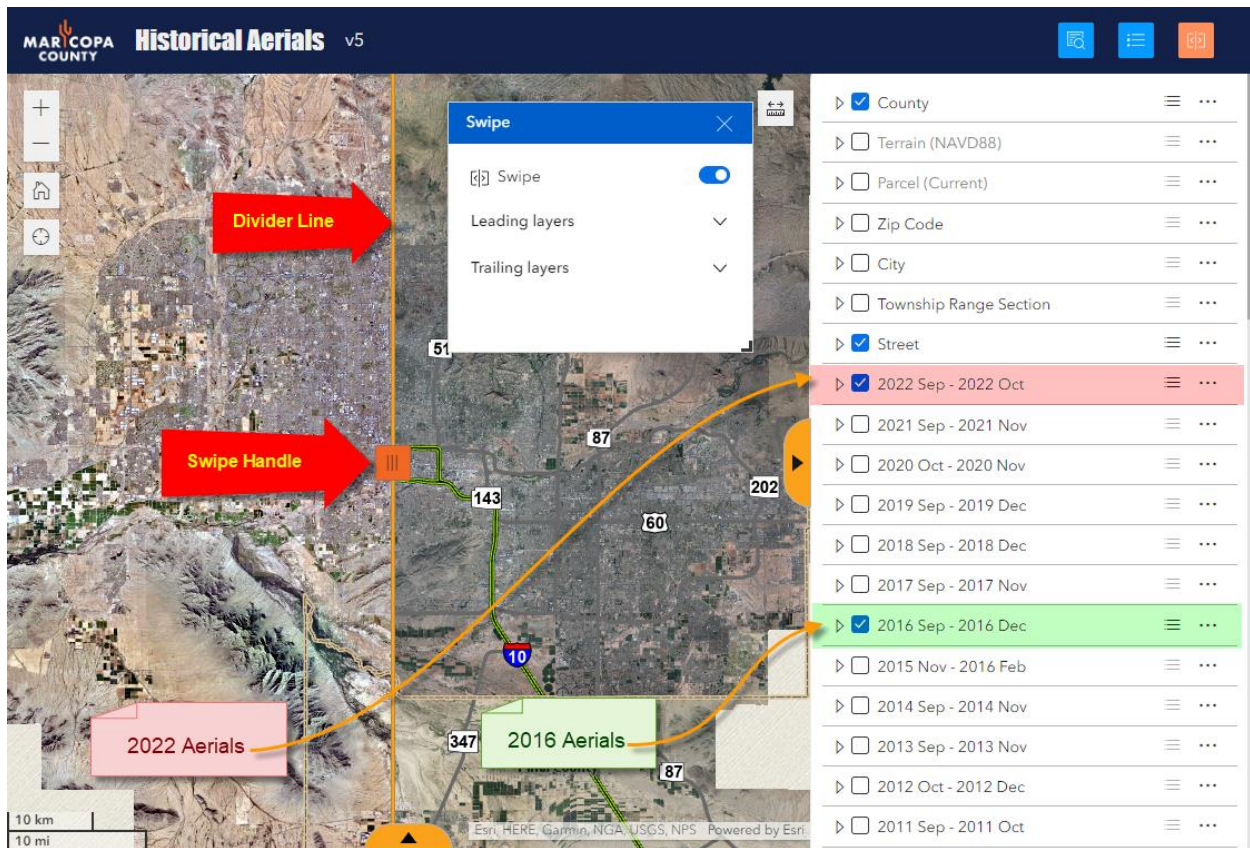
Open the Swipe Widget.



Turn on the Swipe Tool.



Turn on the 2016 Aerials.




The 2022 Aerials will appear on the Left.

The 2016 Aerials will appear on the Right.

To learn more on how to use the Swipe Widget, open the User Guide.

https://daviddas2.github.io/HistoricalAerials/help/swipe_widget.htm



Historical Aerial Photography Web Application User Guide

Menu

Index

Search

Overview

Quick Tour

Launching the Web App

List of Widgets and Tools

Navigation Tools

- Graphical Scale Bar
- Coordinate Widget
- Search Tool
- Identify a Parcel
- Measure Tool
- Draw Widget
- Bookmark Widget
- Coordinate Conversion Widget
- Near Me Widget
- Basemap Gallery Widget

Query Widget

- Map Layers Widget
- Legend Widget
- Attribute Table Widget
- Swipe Widget**
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Swipe Widget

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Swipe Widget

The **Swipe Widget** offers an elegant way to compare the most recent Aerial Imagery against previous dating all the way back to 1930.

Refresh the Web App.

Make sure the Street Layer and the 2022 Aerials are turned on.

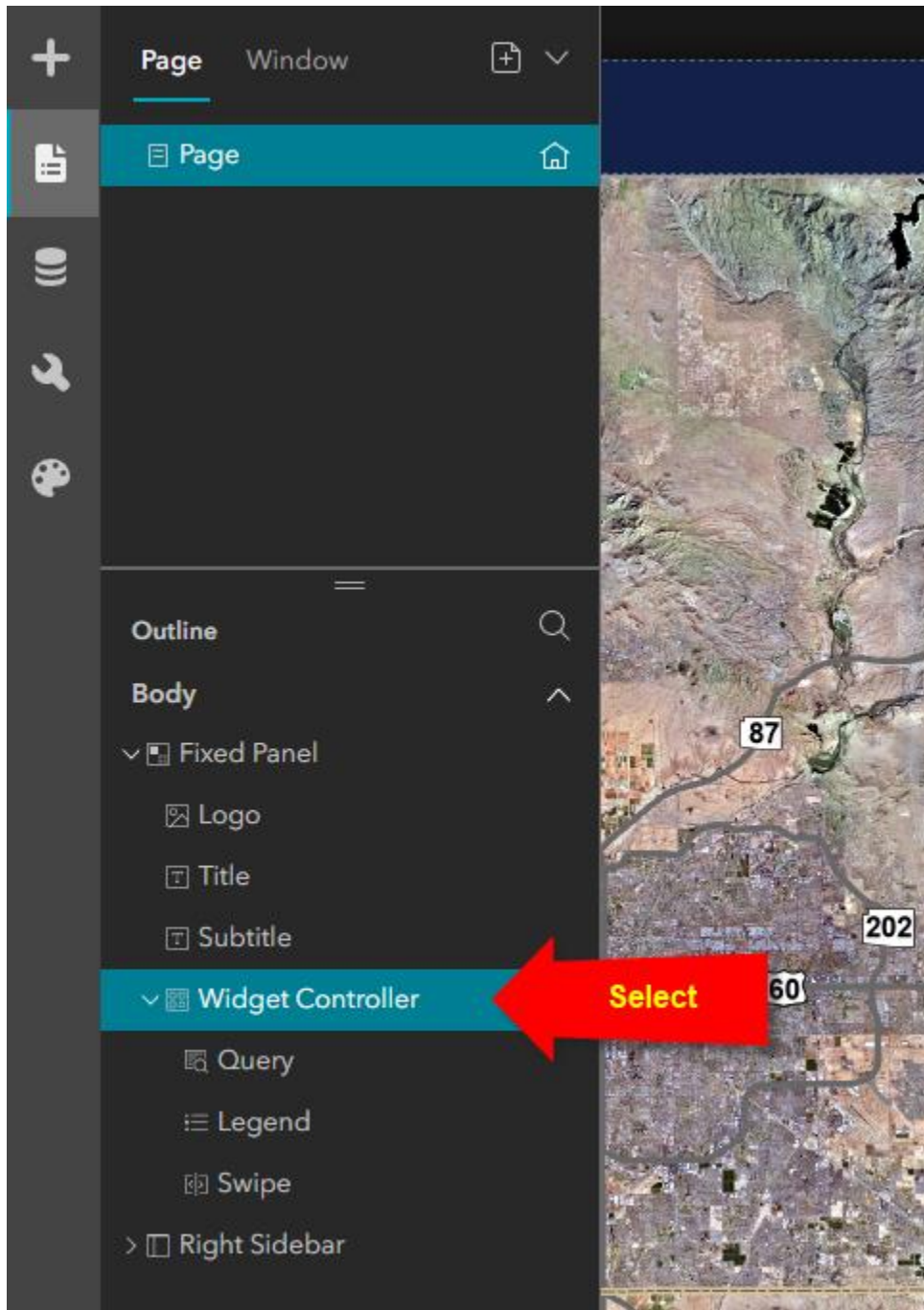


Enter Parcel Number **216-88-006** in the Search Tool.

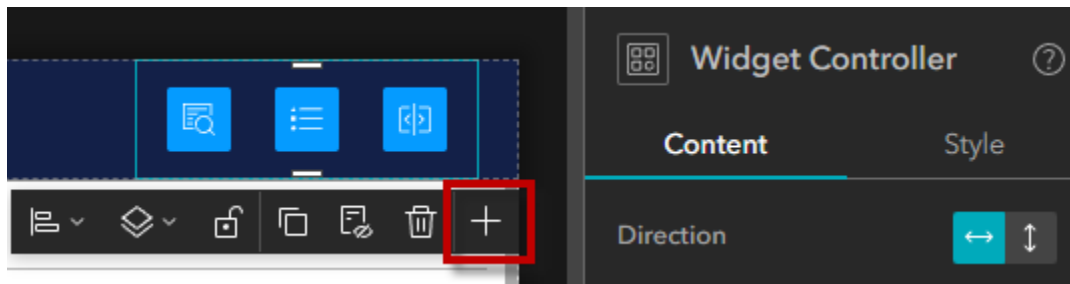
Add the Basemap Gallery Widget

This is an important widget. This was added in EXB 1.12.

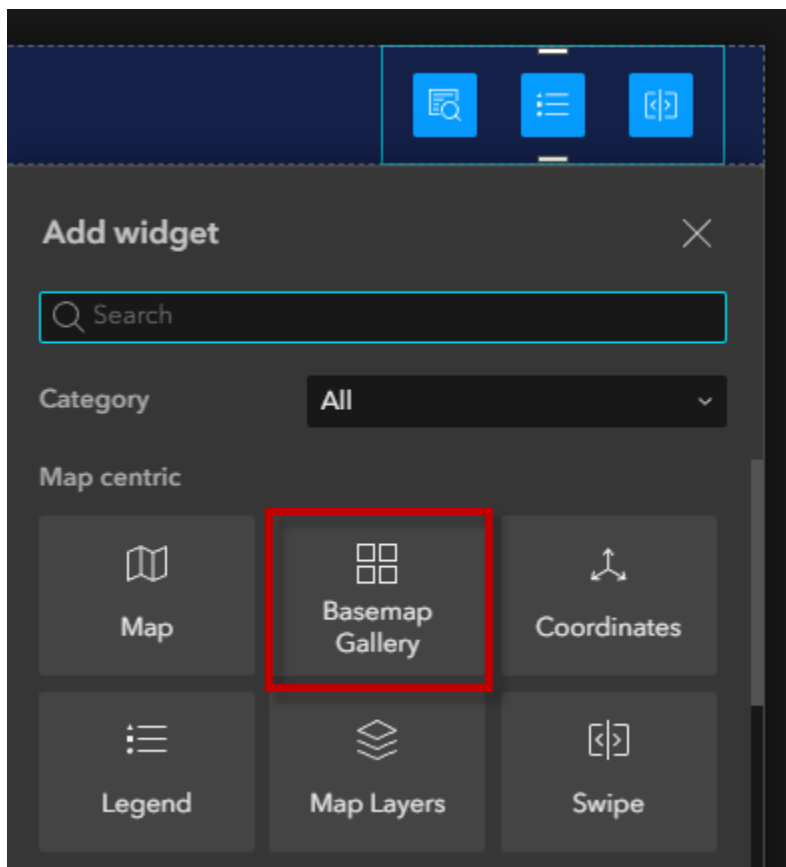
Select the Widget Controller from the Page Outline.



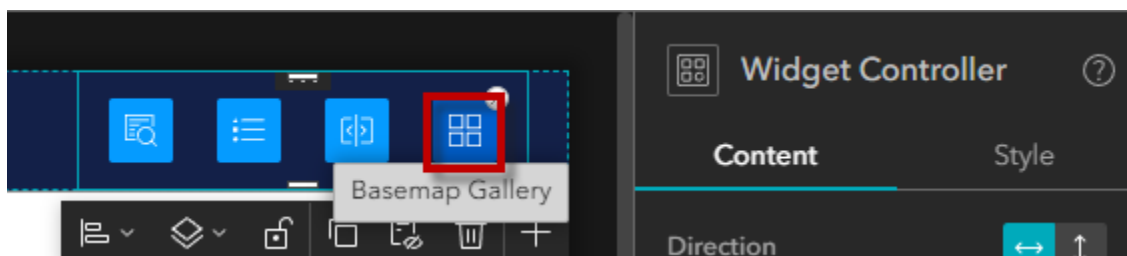
Click on the Add Widget Tool.

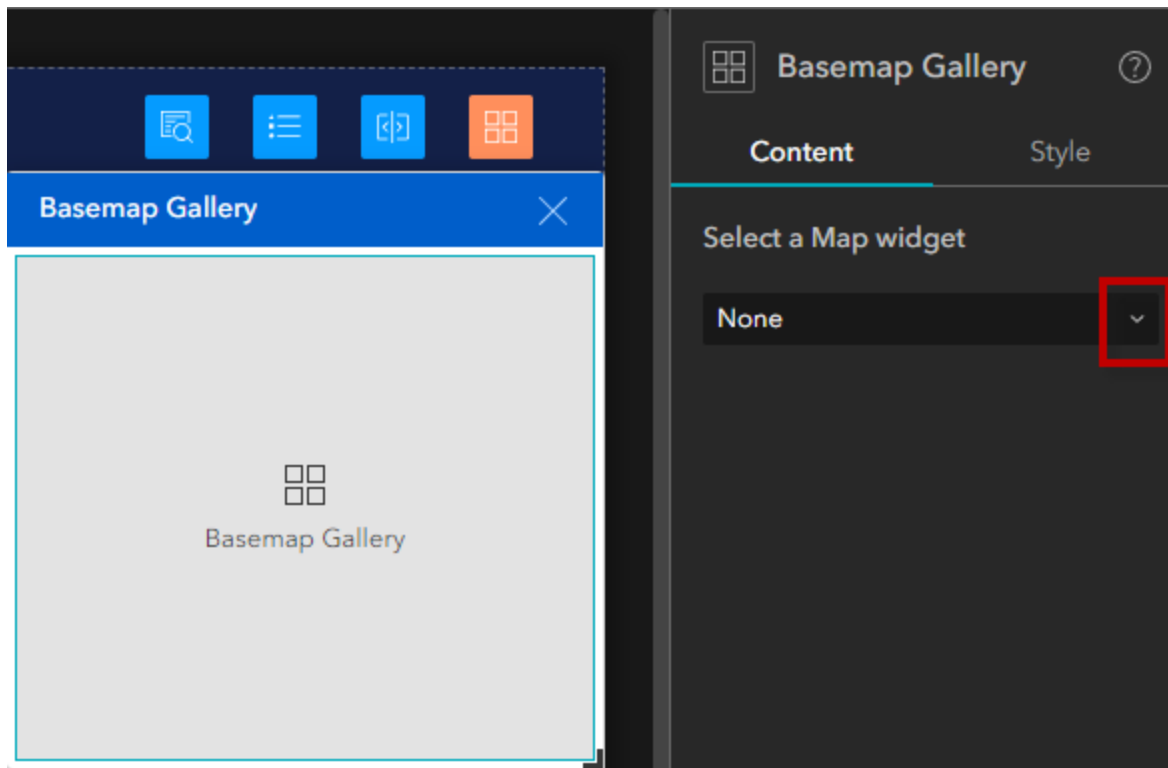


Add the Basemap Gallery Widget

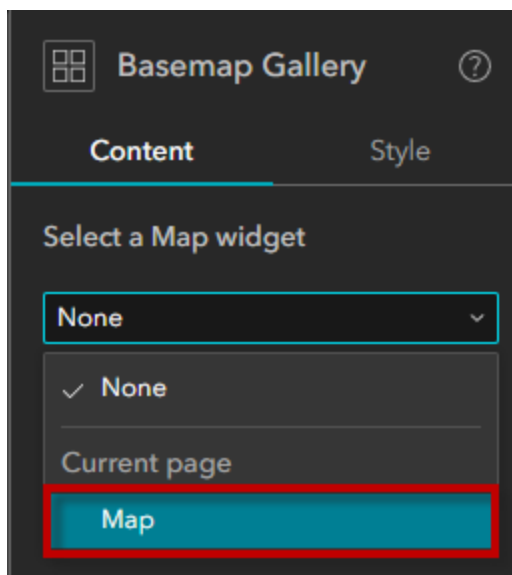


Select the Basemap Gallery Widget that you added to the Widget Controller.

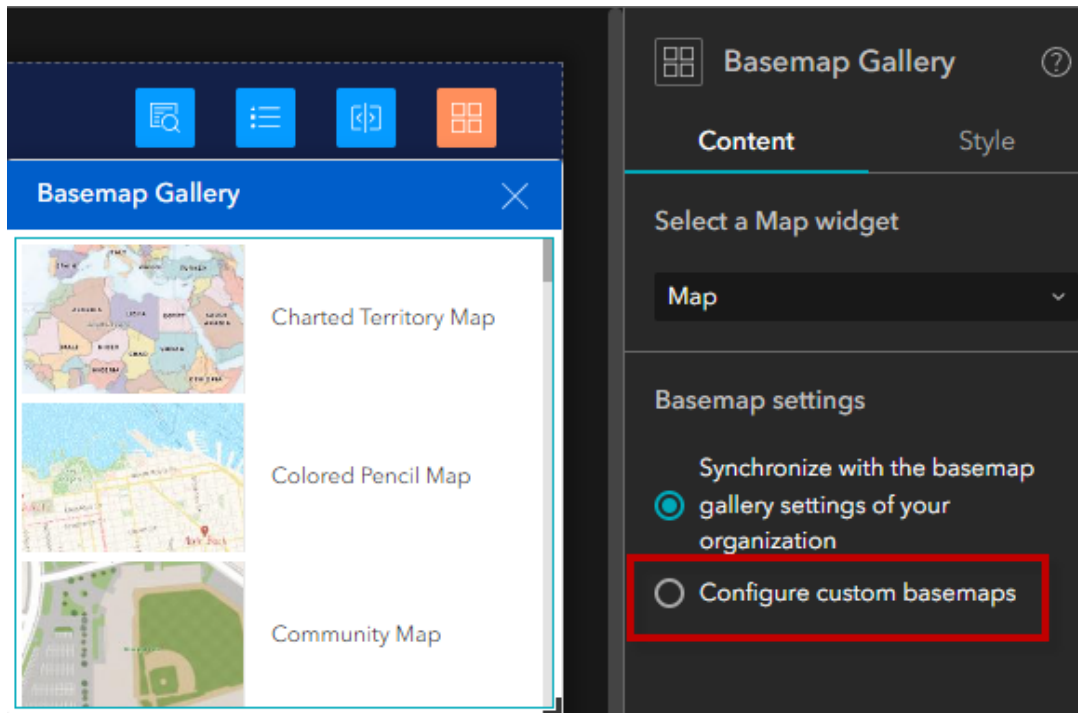




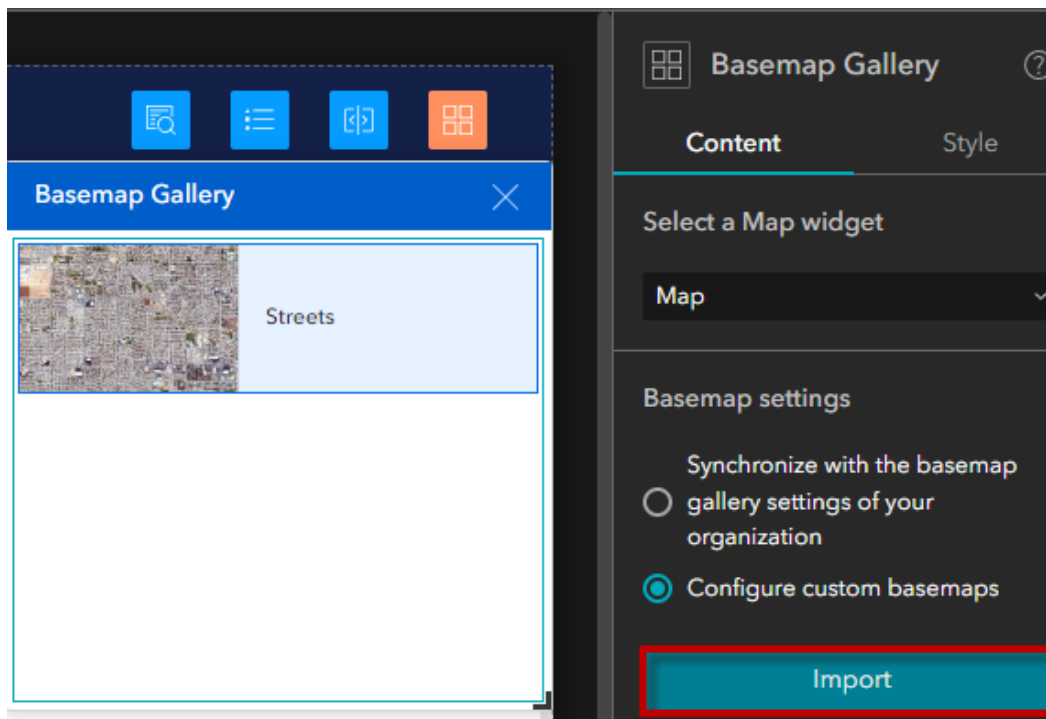
Select a Map Widget = **Map**



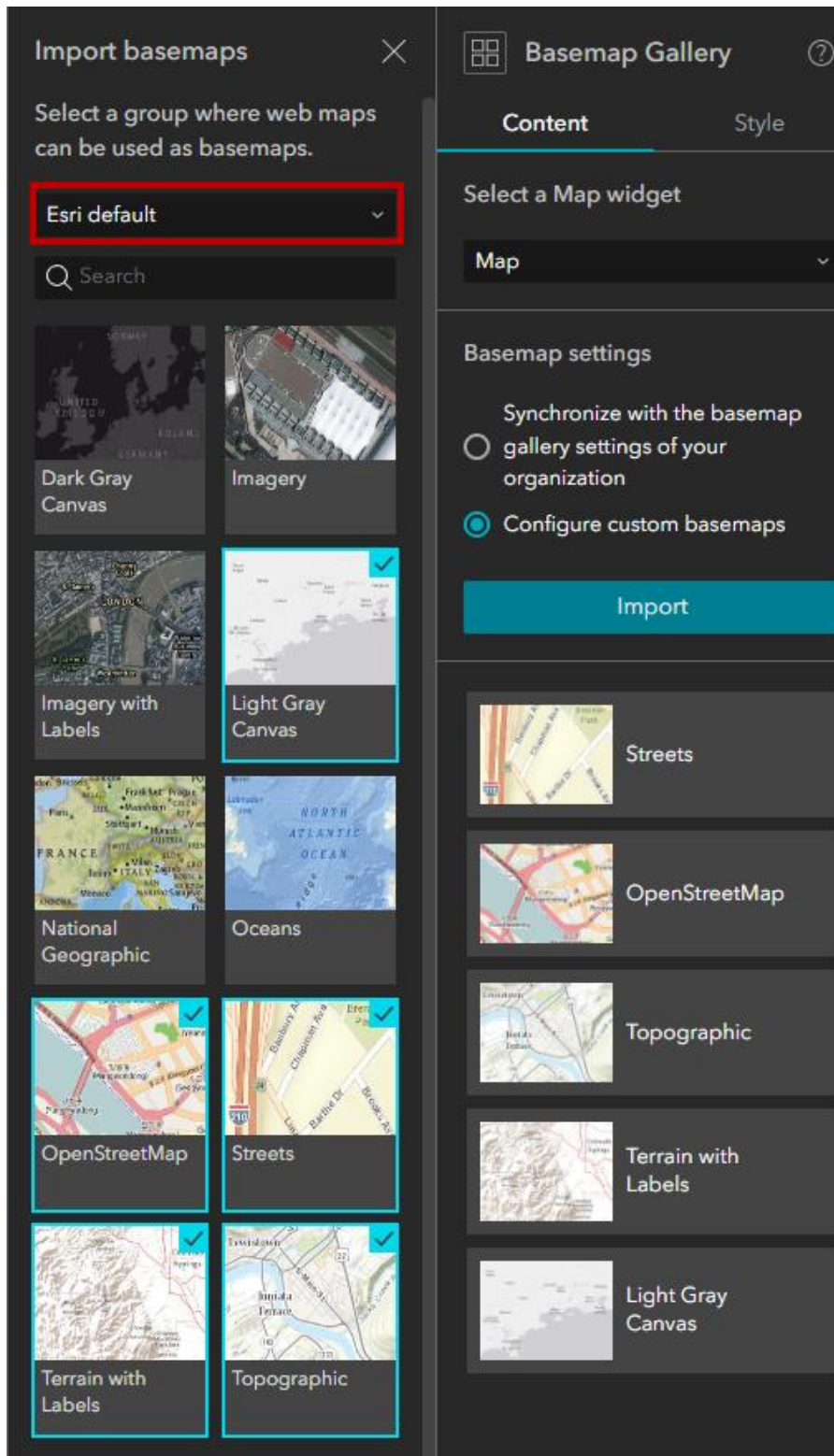
Configure custom basemaps



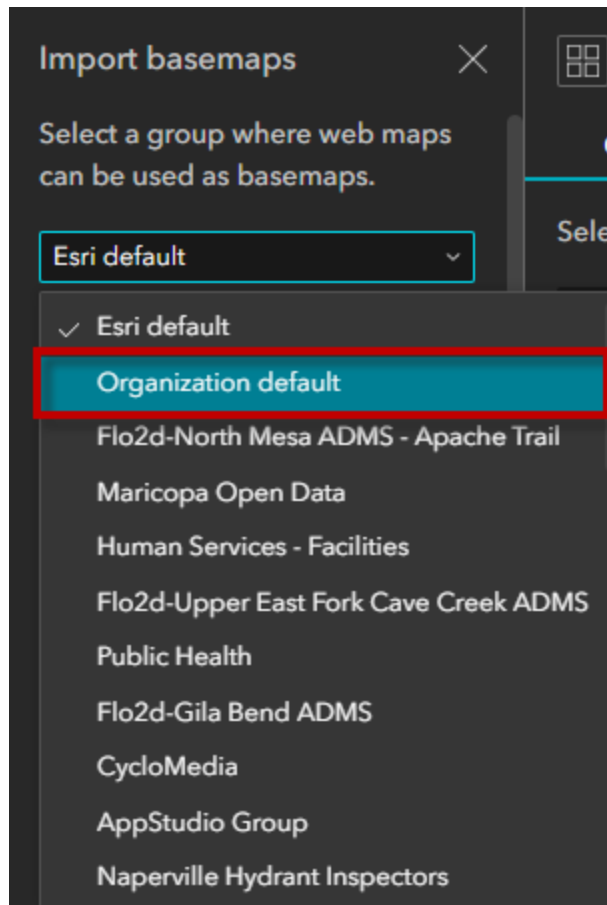
Import



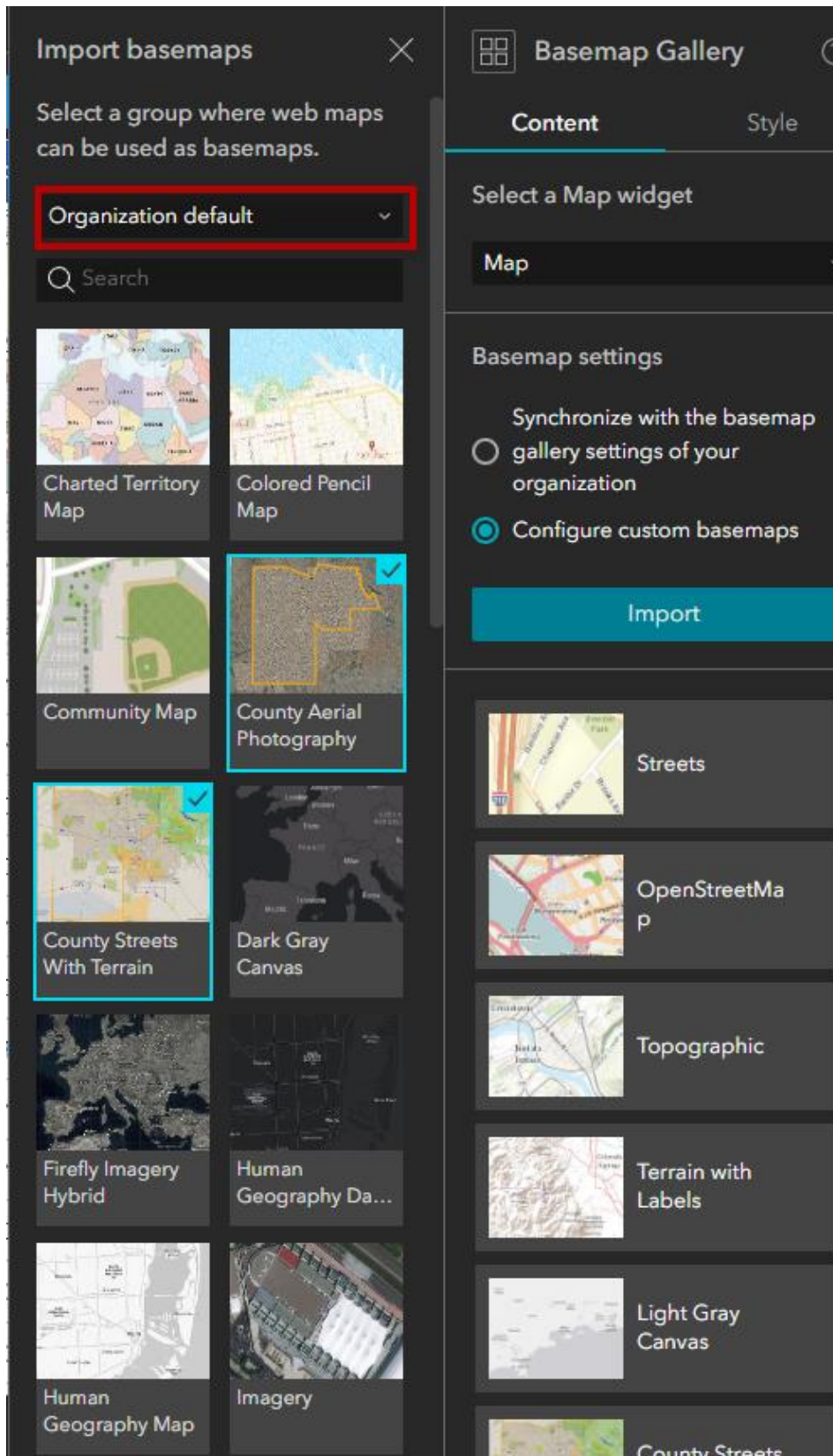
Import the following basemaps from ESRI Default.



Select Organization Default.

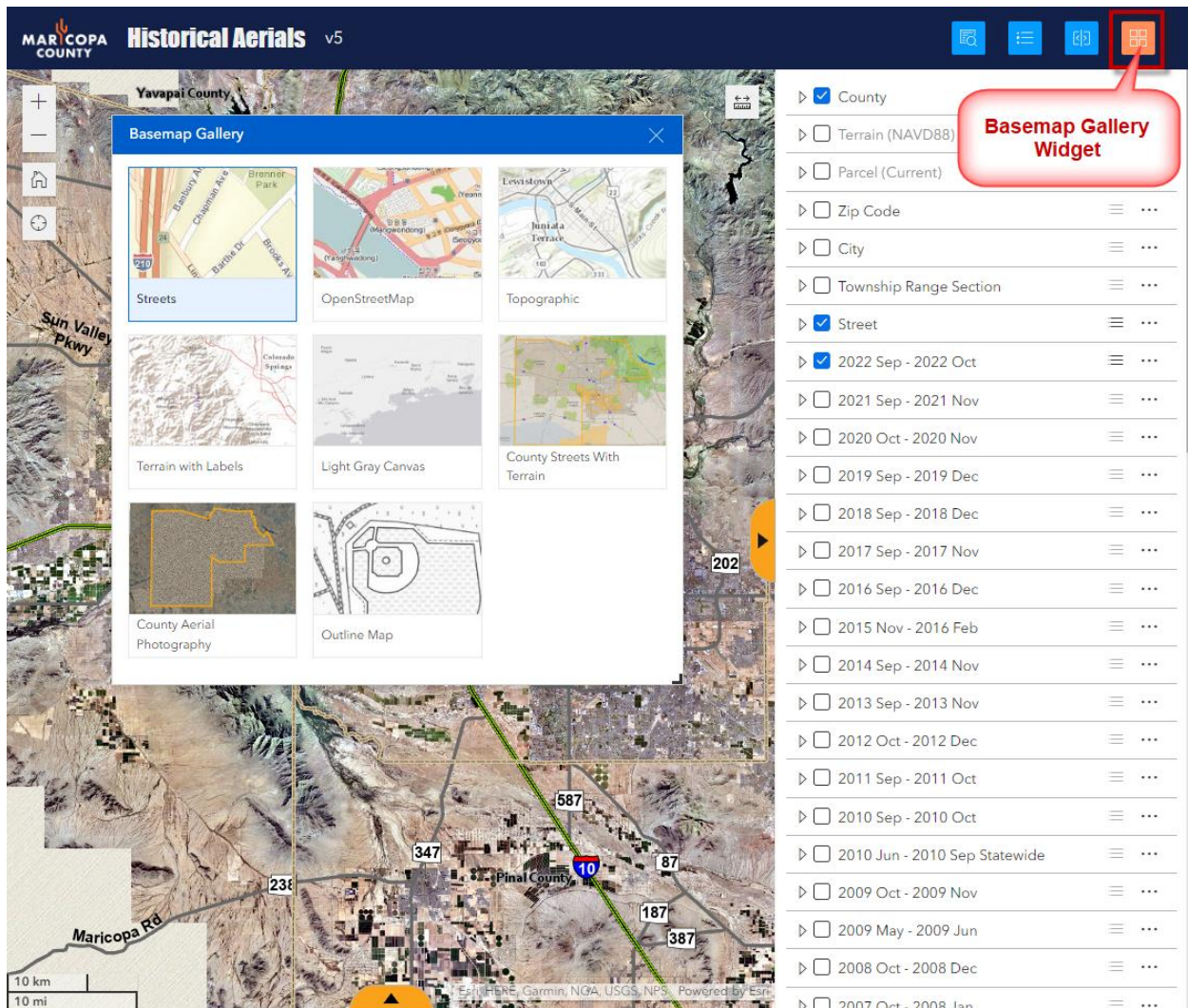


Import the following basemaps.



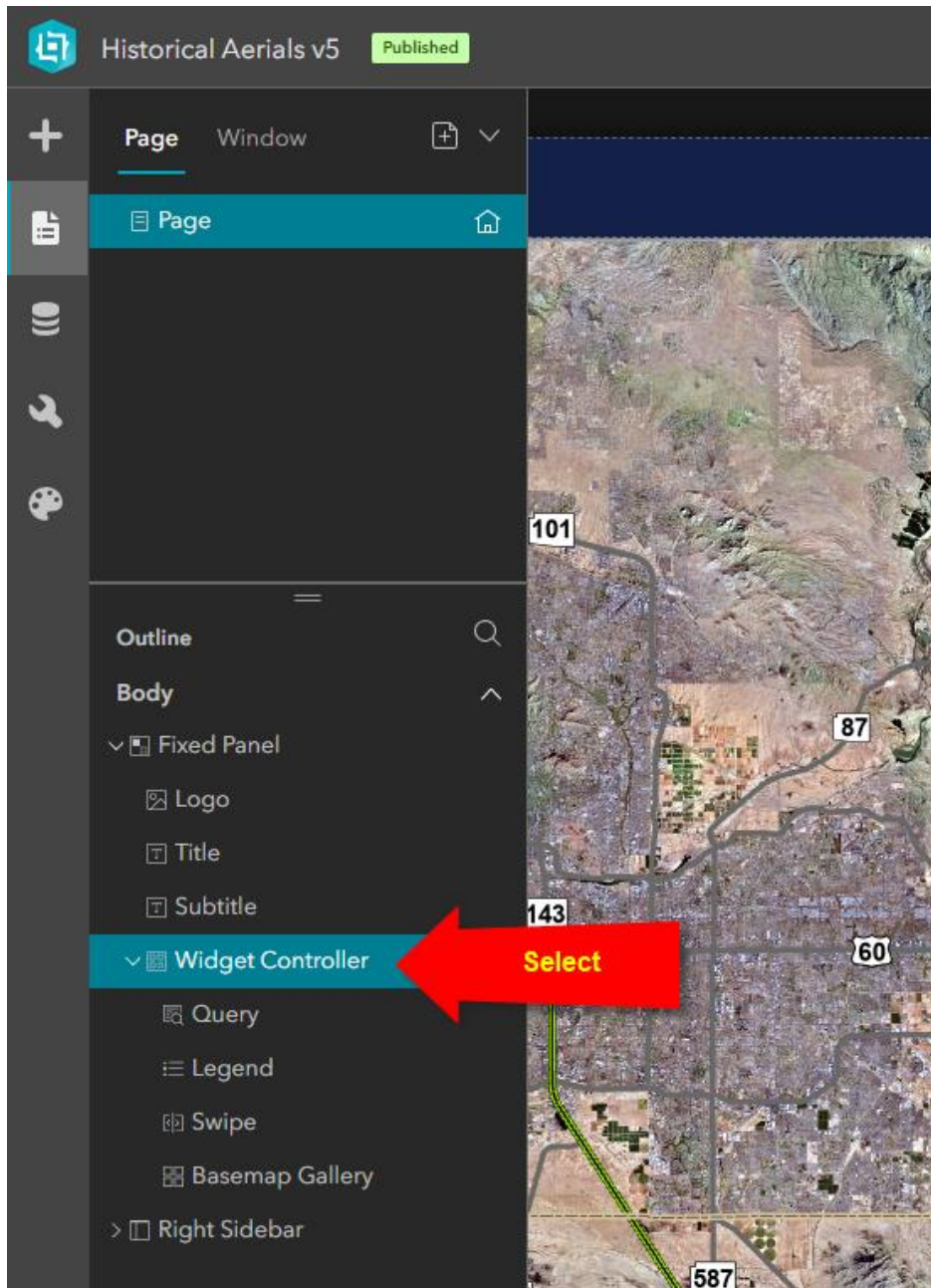
Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>

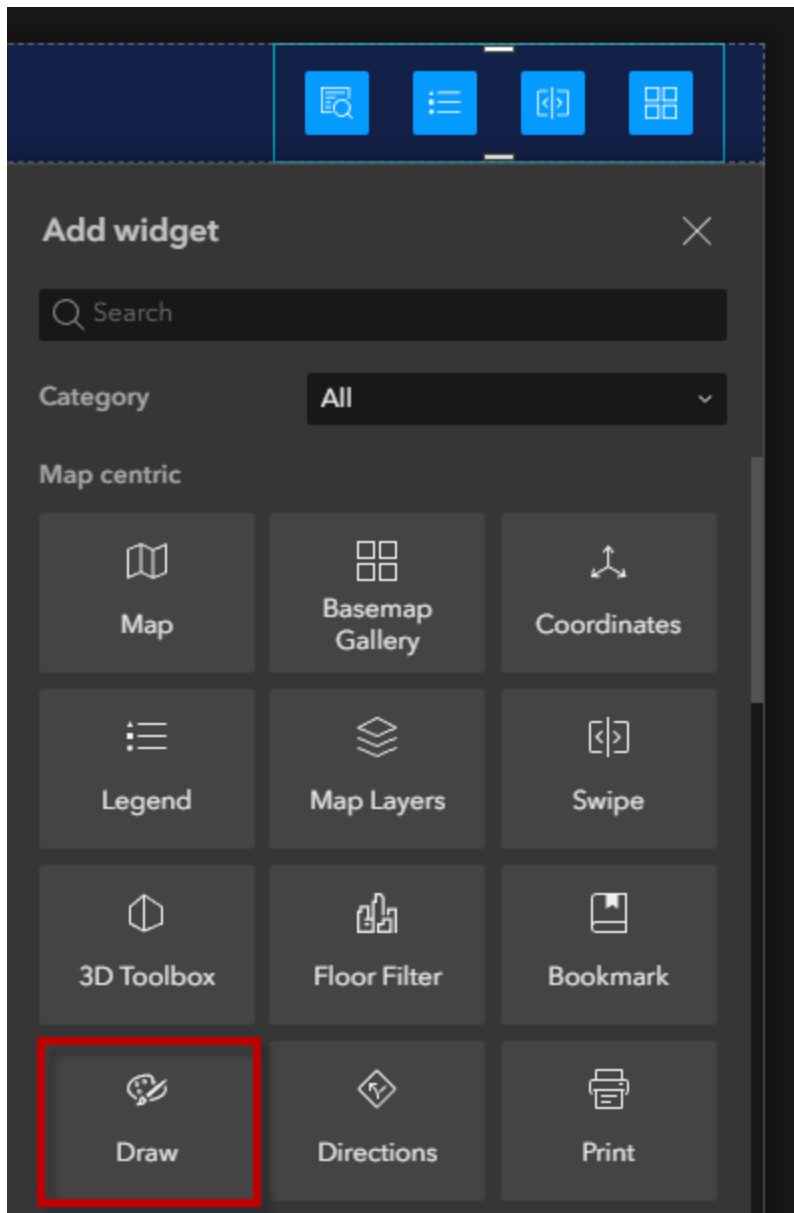


Add the Draw Widget

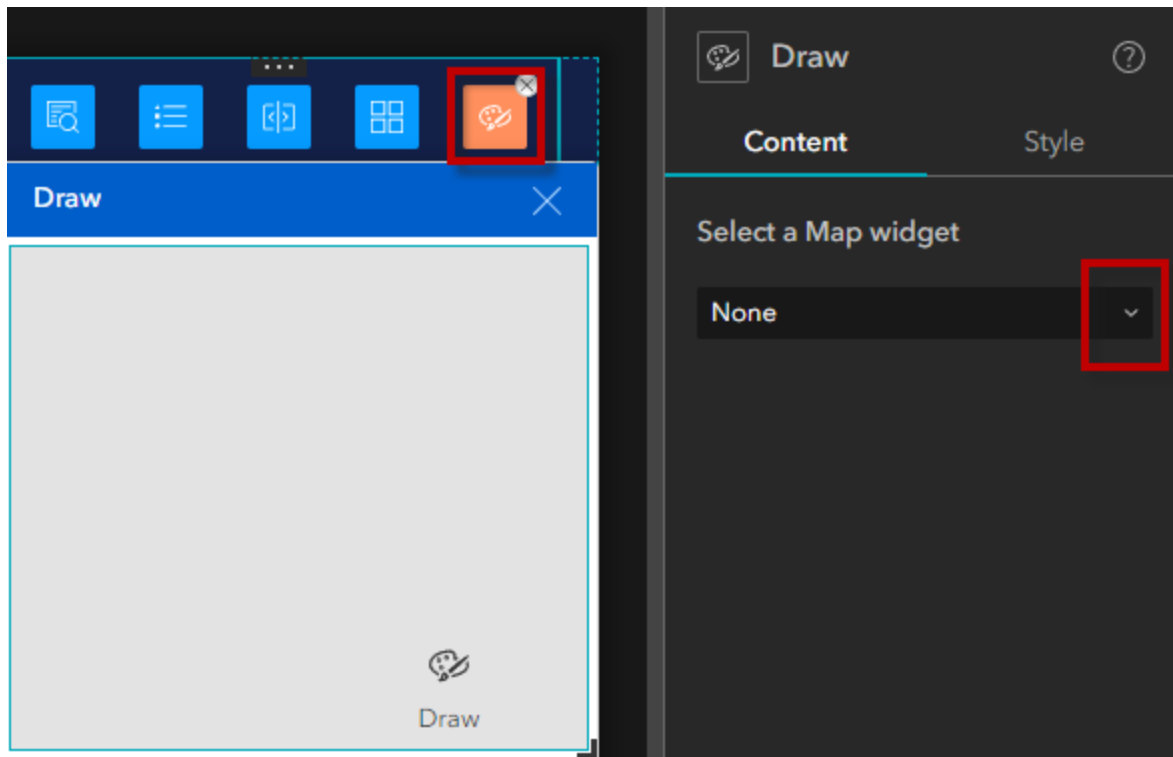
Select the Widget Controller from the Page Outline.



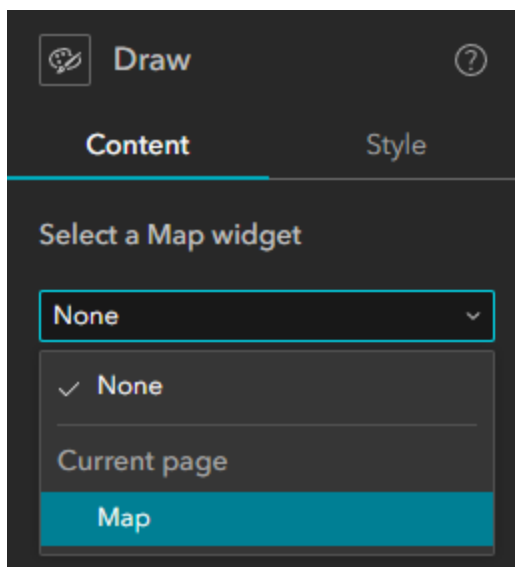
Add the Draw Widget



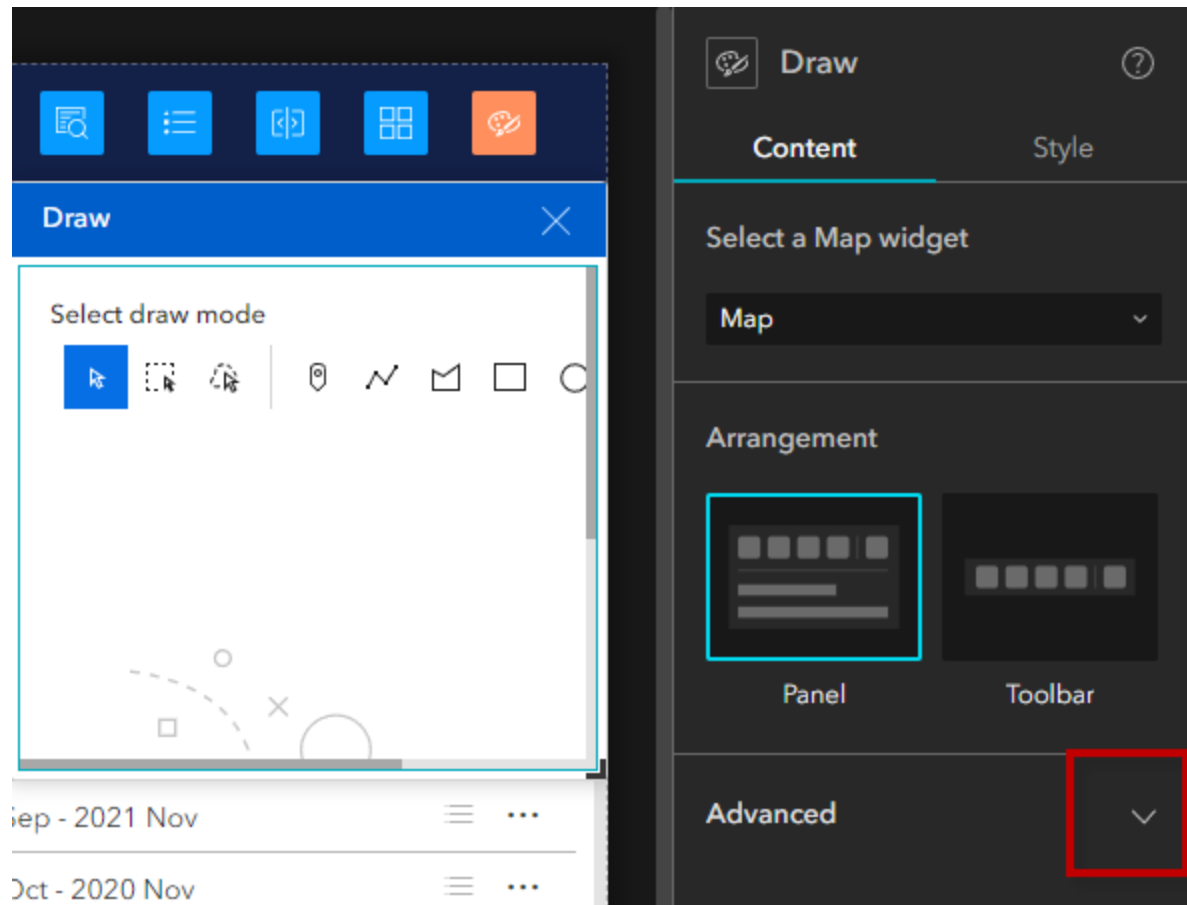
Select the Draw Widget.



Select a Map Widget = Map

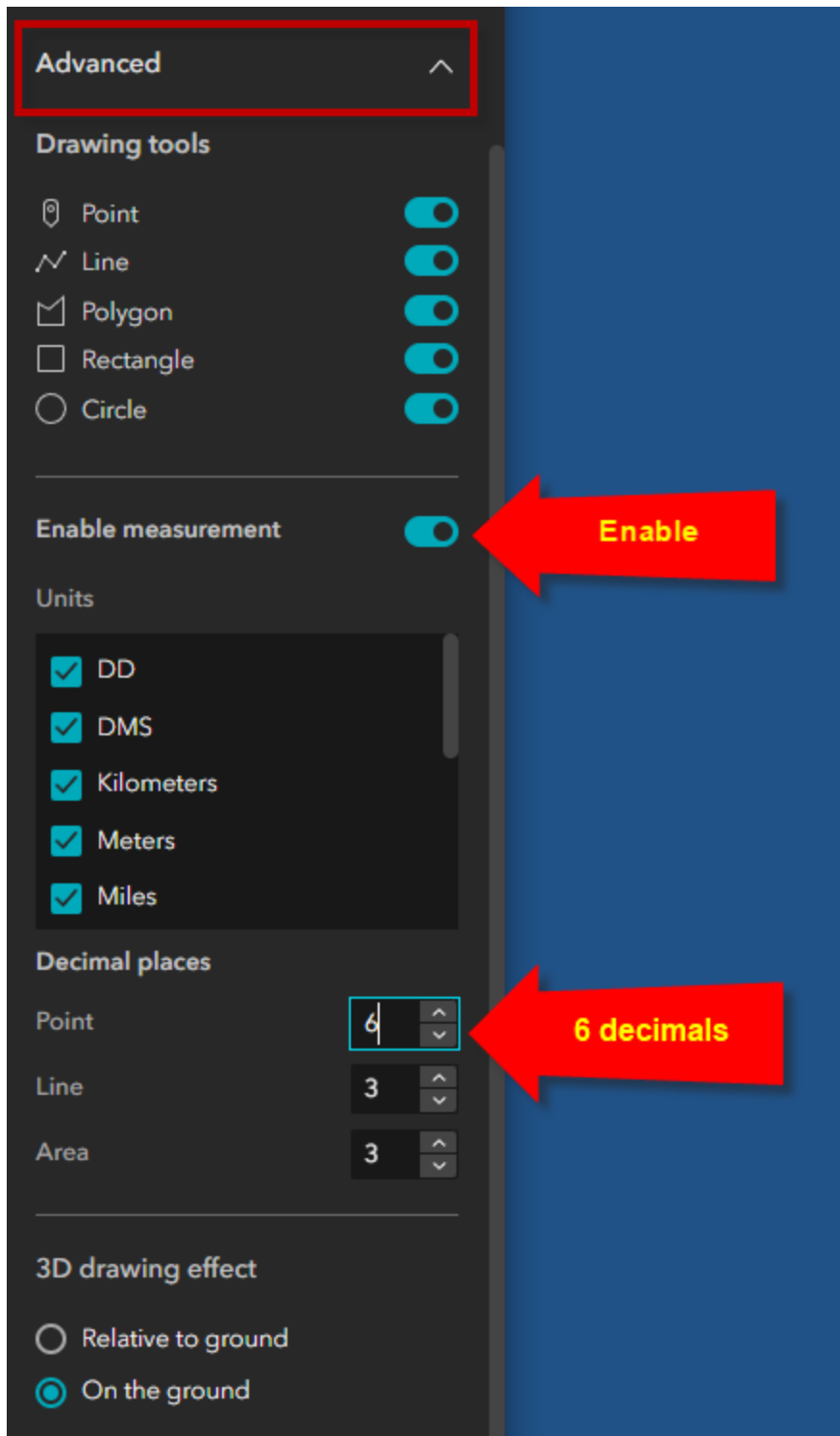


Expand the Advanced Section



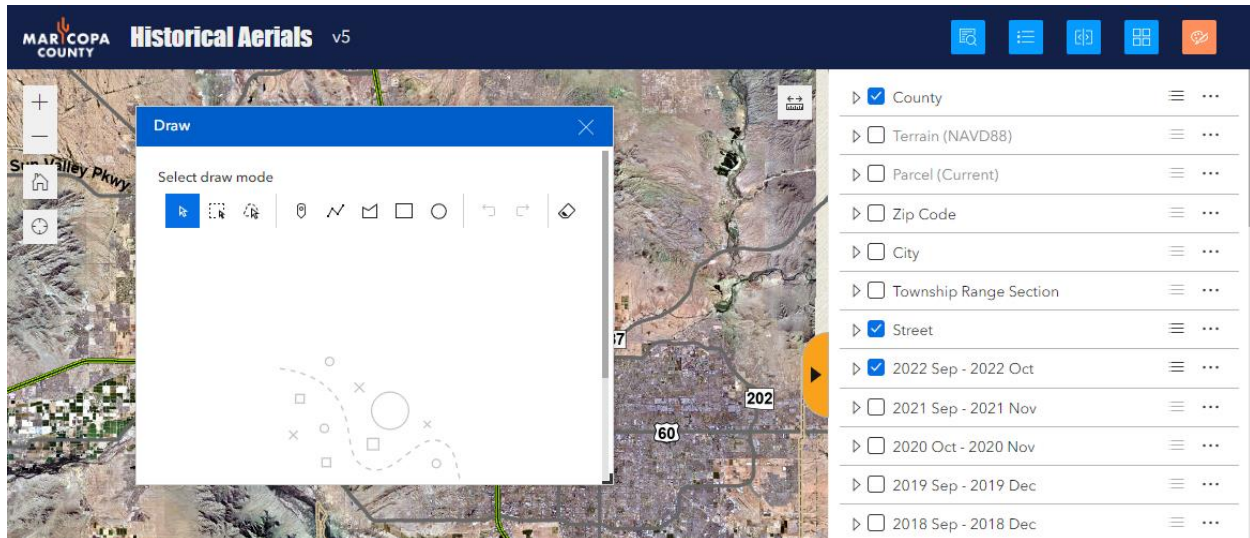
Enable Measurement.

Use 6 decimal places for measuring points.

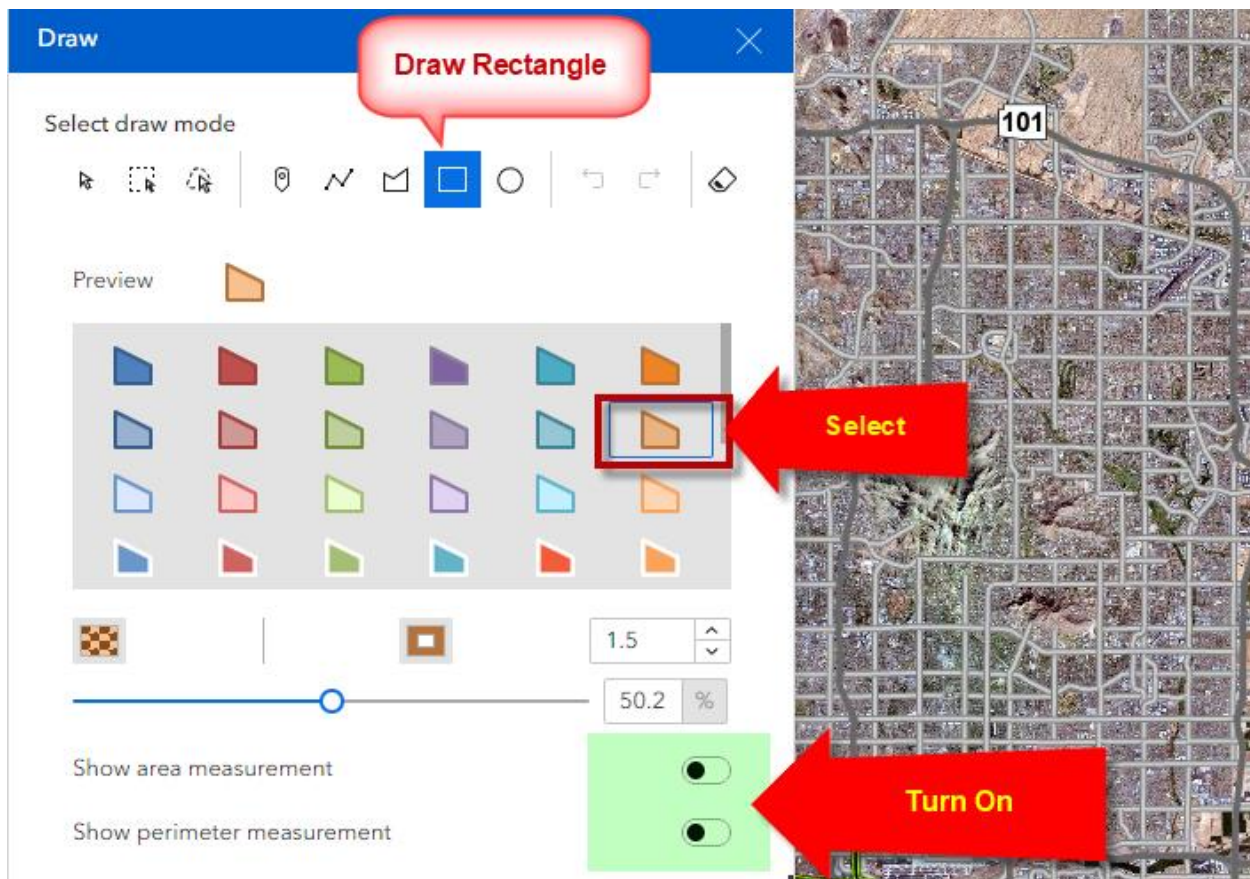


Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>



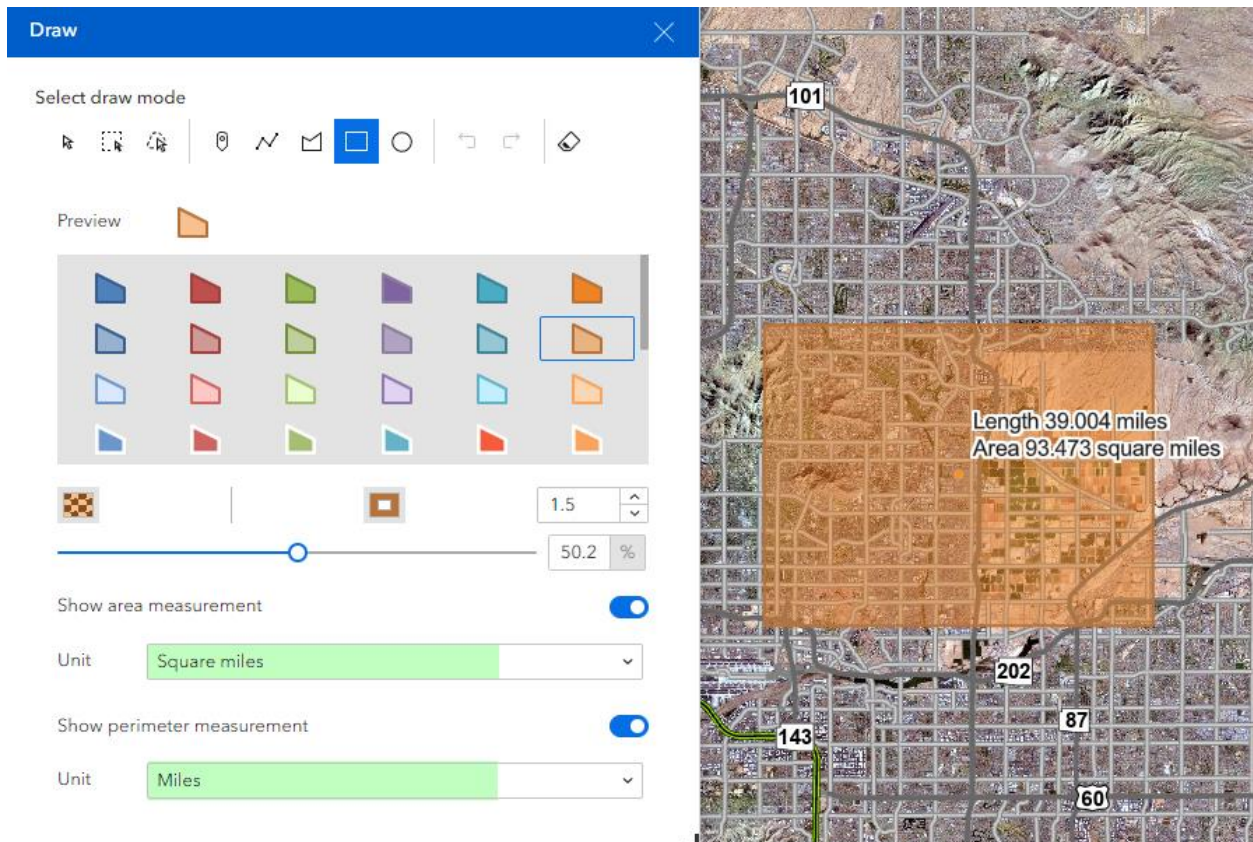
Select the Draw Rectangle Tool.



Set Area Measurement to Square Miles

Set Perimeter Measurement to Miles

Draw a rectangle.

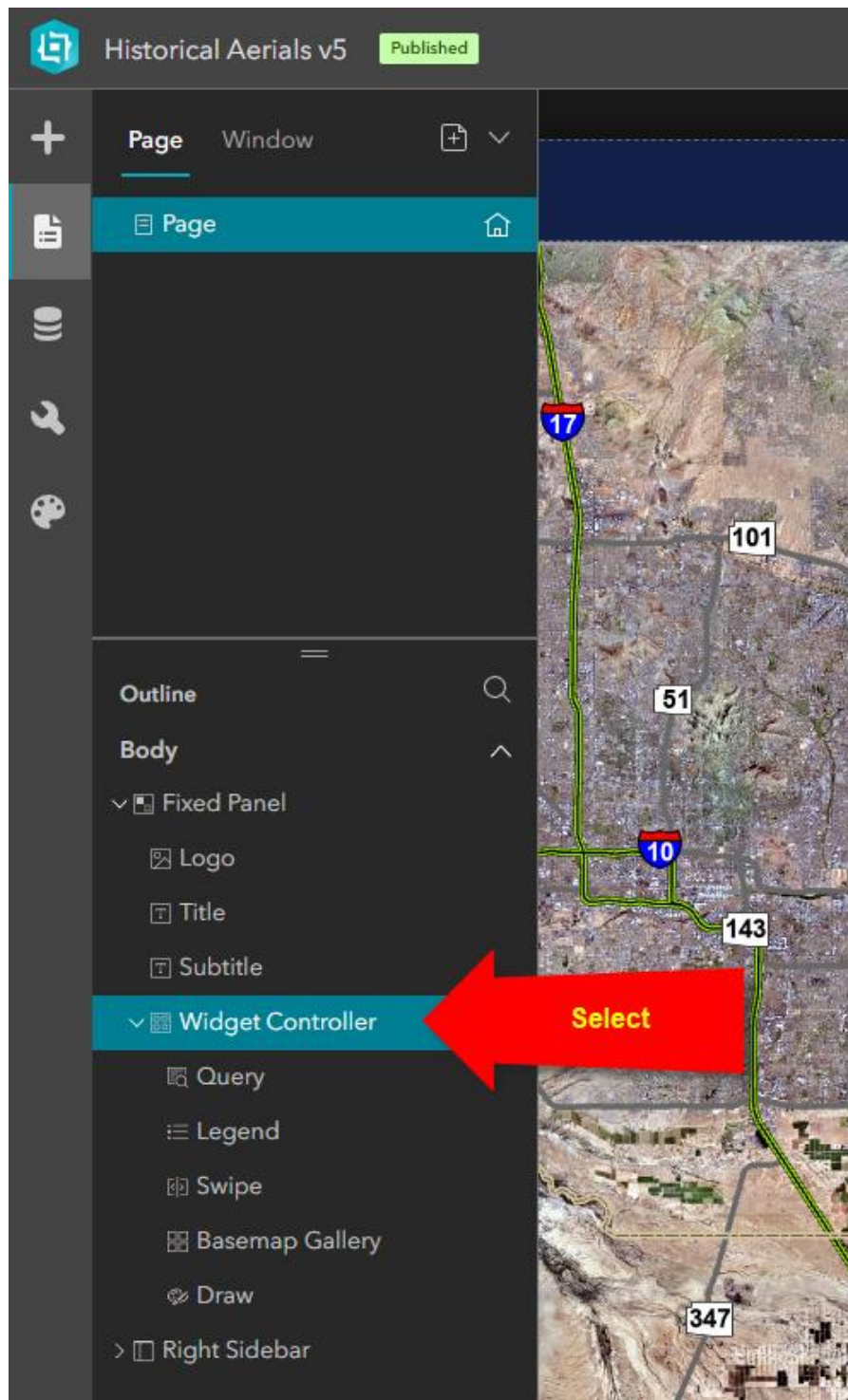


For more examples, open:

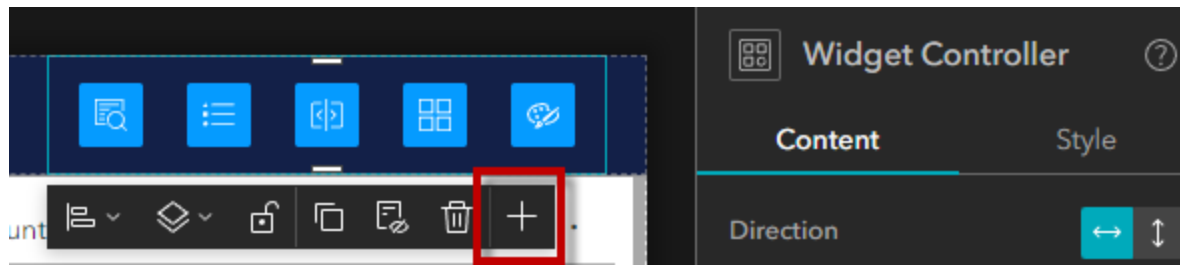
https://daviddas2.github.io/HistoricalAerials/help/draw_widget.htm

Add the Bookmark Widget

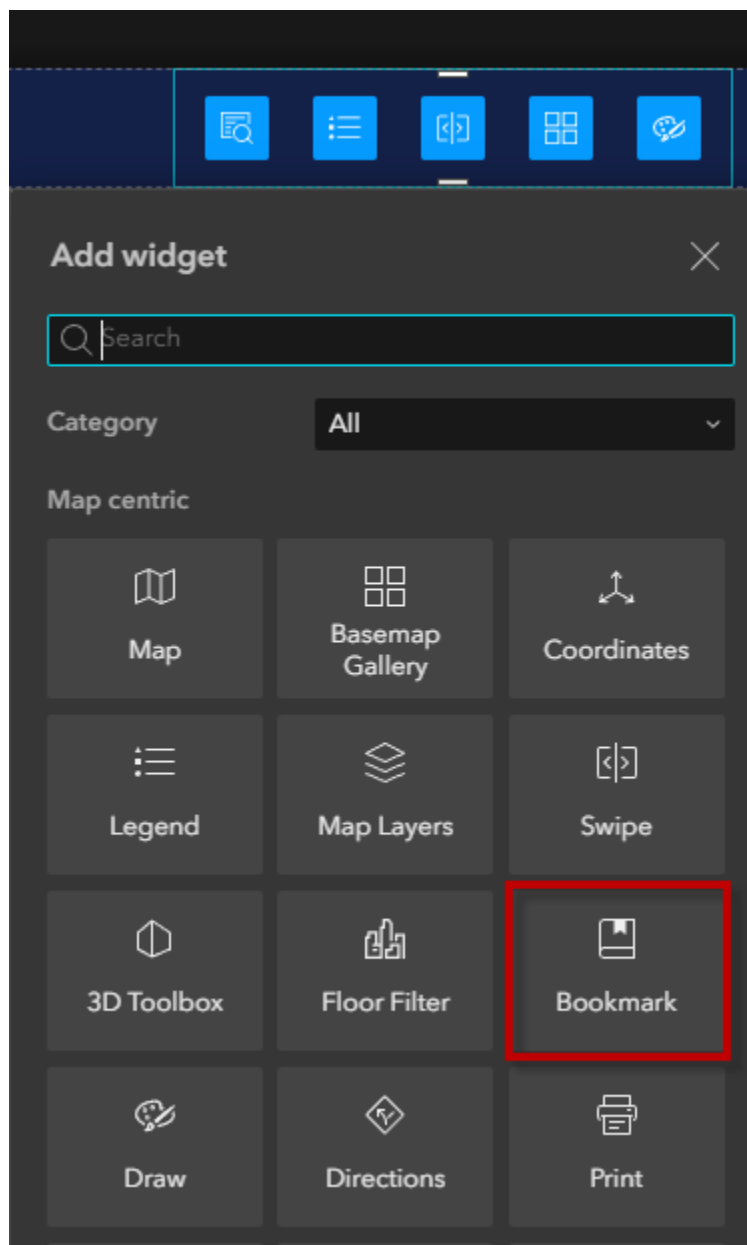
Select the Widget Controller from the Page Outline.



Click on the Add Widget Tool.

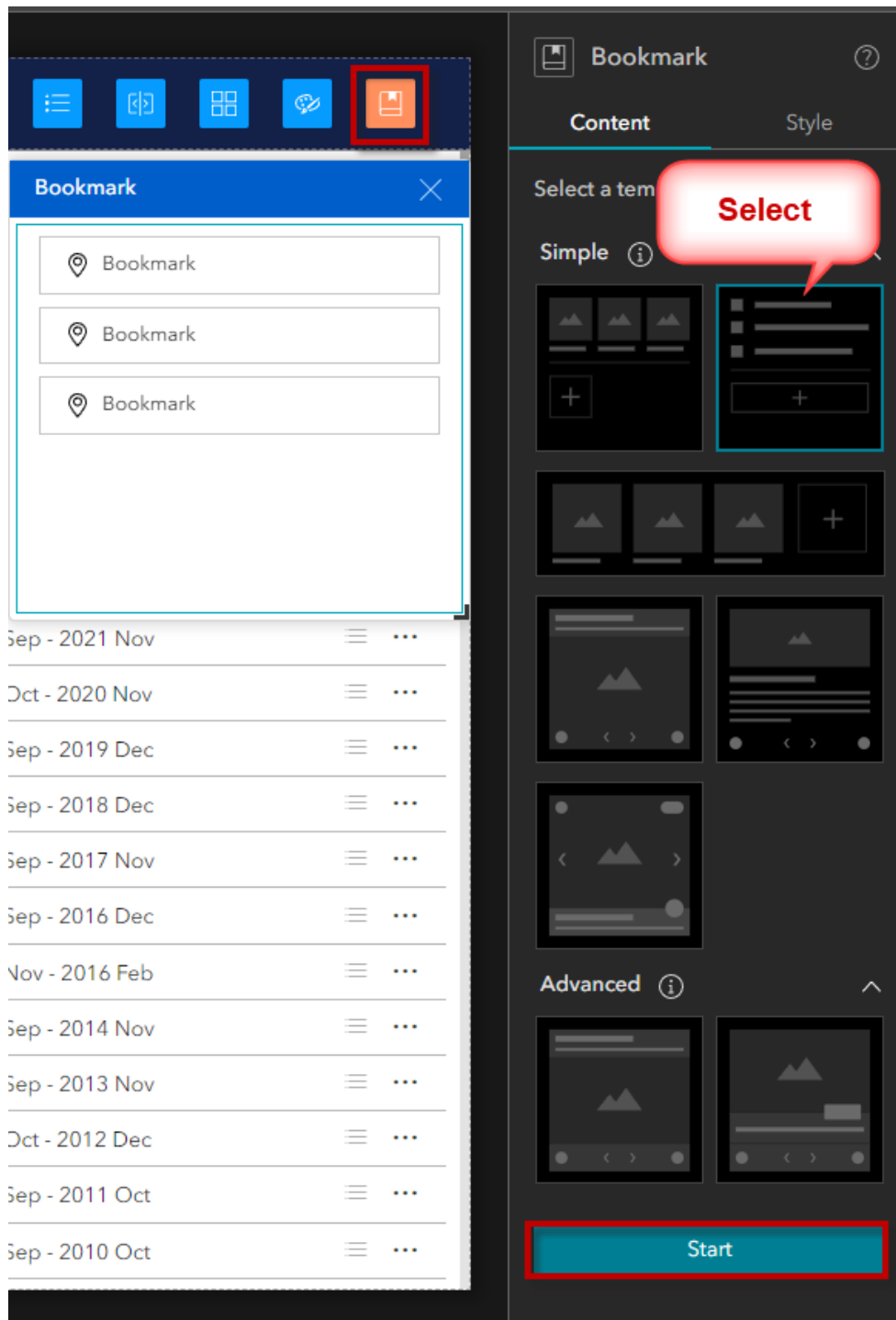


Add the Bookmark Widget.

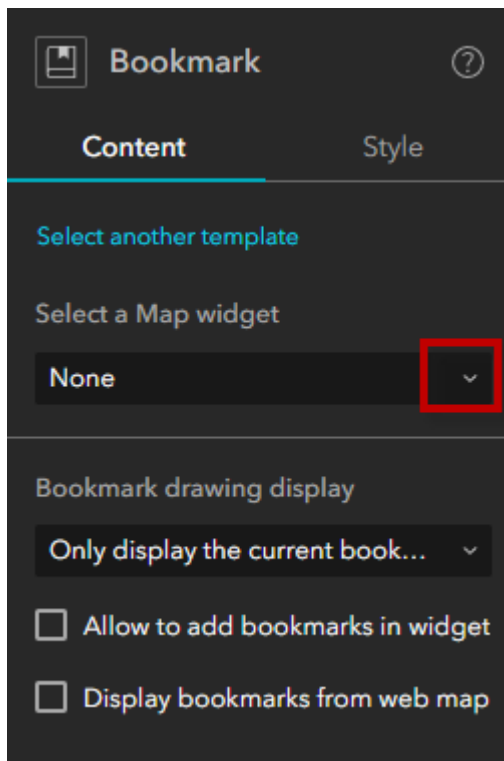


Select the Bookmark Widget from the Widget Controller.

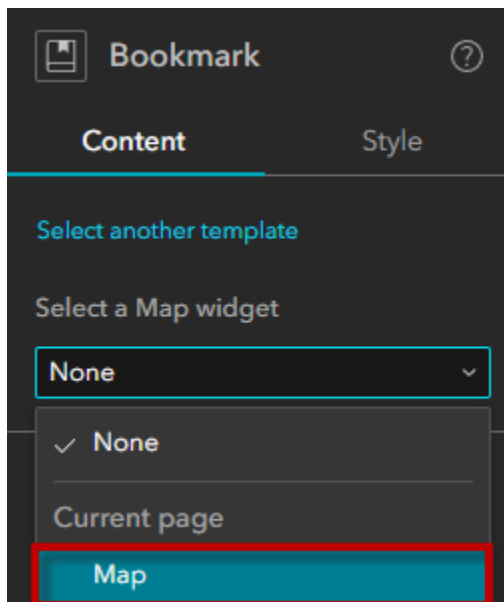
Select the Simple template on the top right.

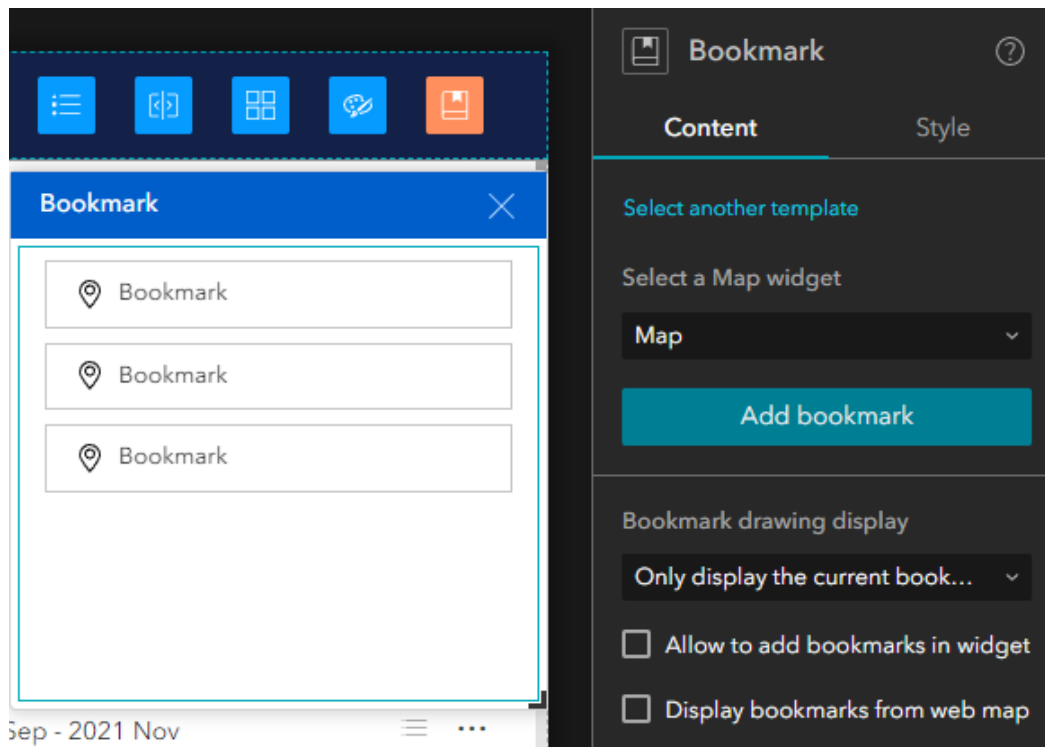


Start

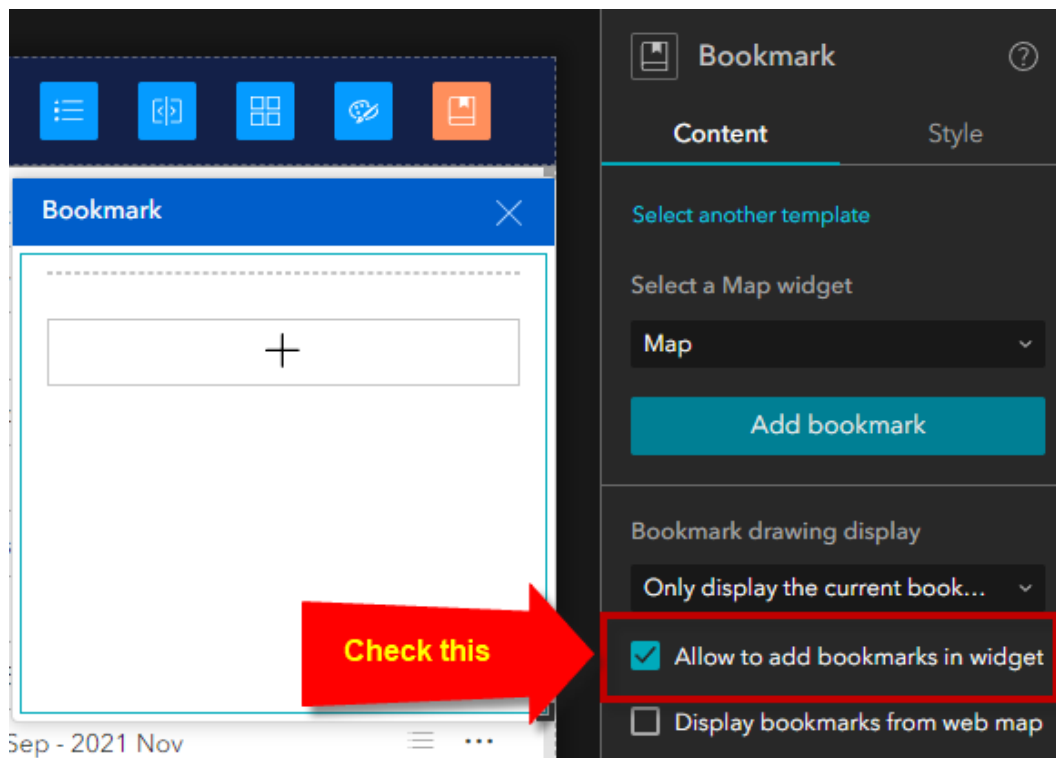


Select a Map Widget = Map



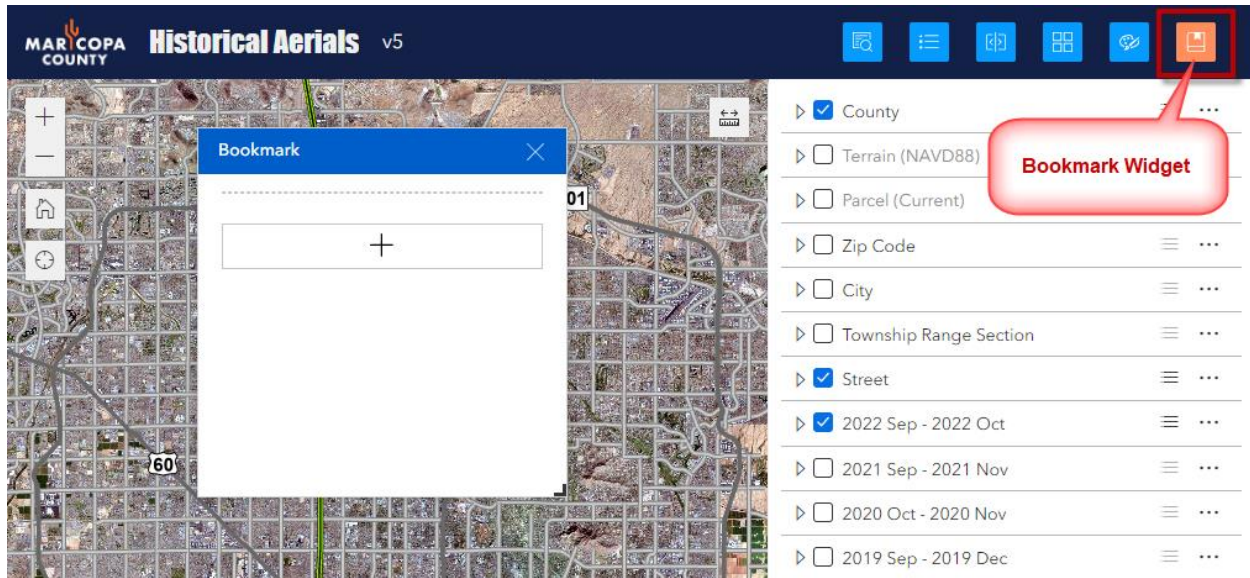


Allow to add bookmarks in the widget



Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>

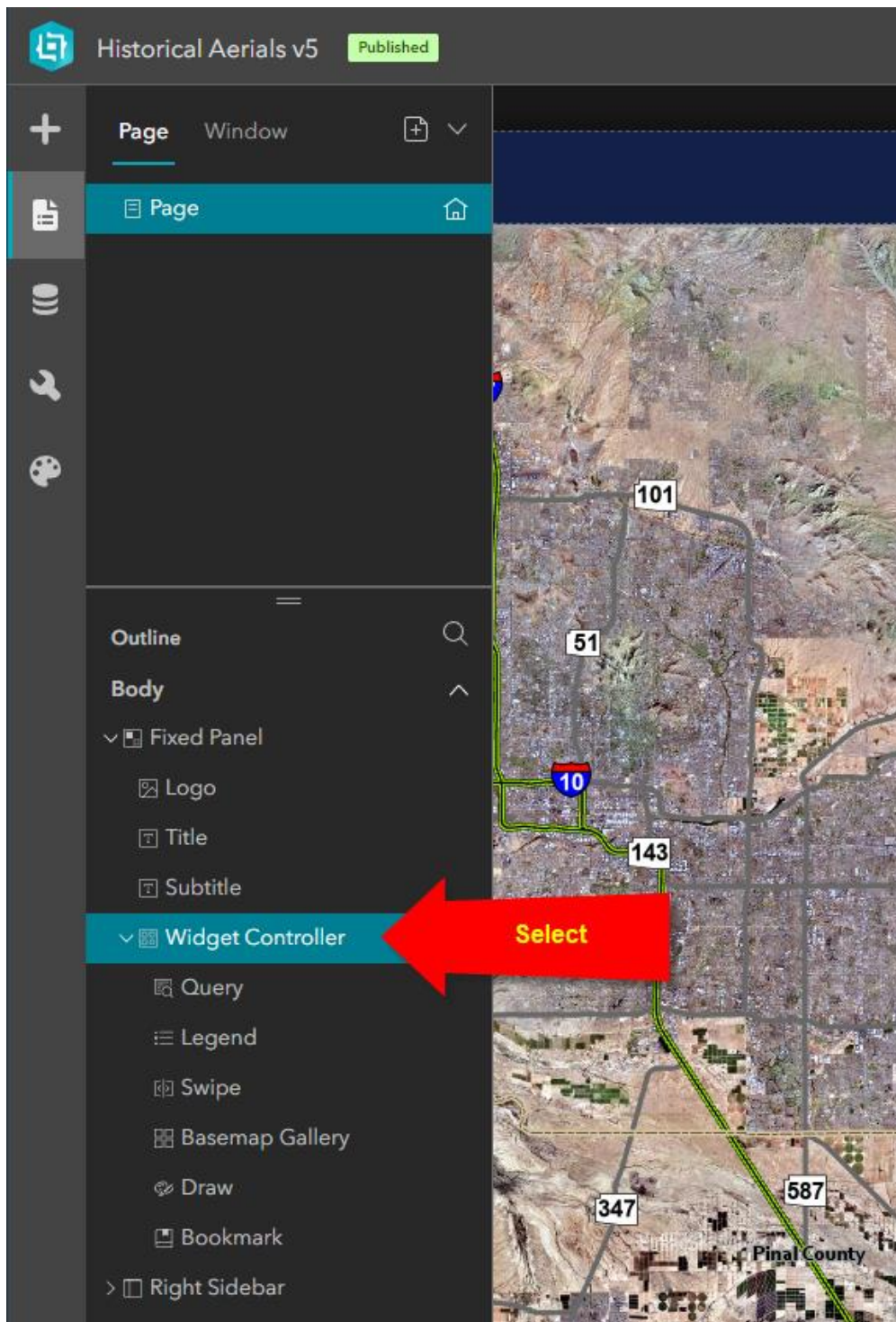


View the User Guide to see how this works.

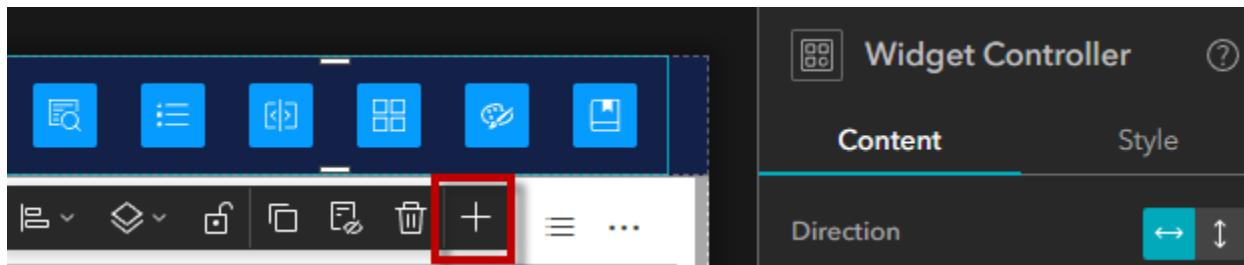
https://daviddas2.github.io/HistoricalAerials/help/bookmark_widget.htm

Add the Near Me Widget

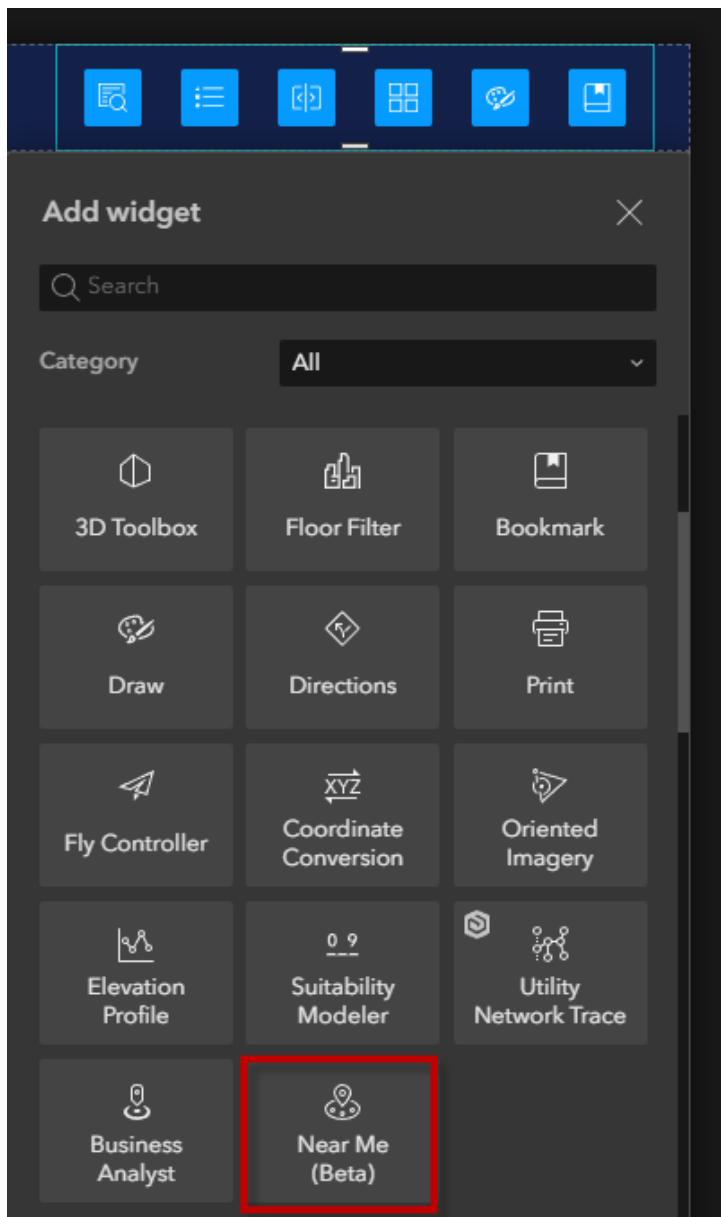
Select the Widget Controller from the Page Outline.



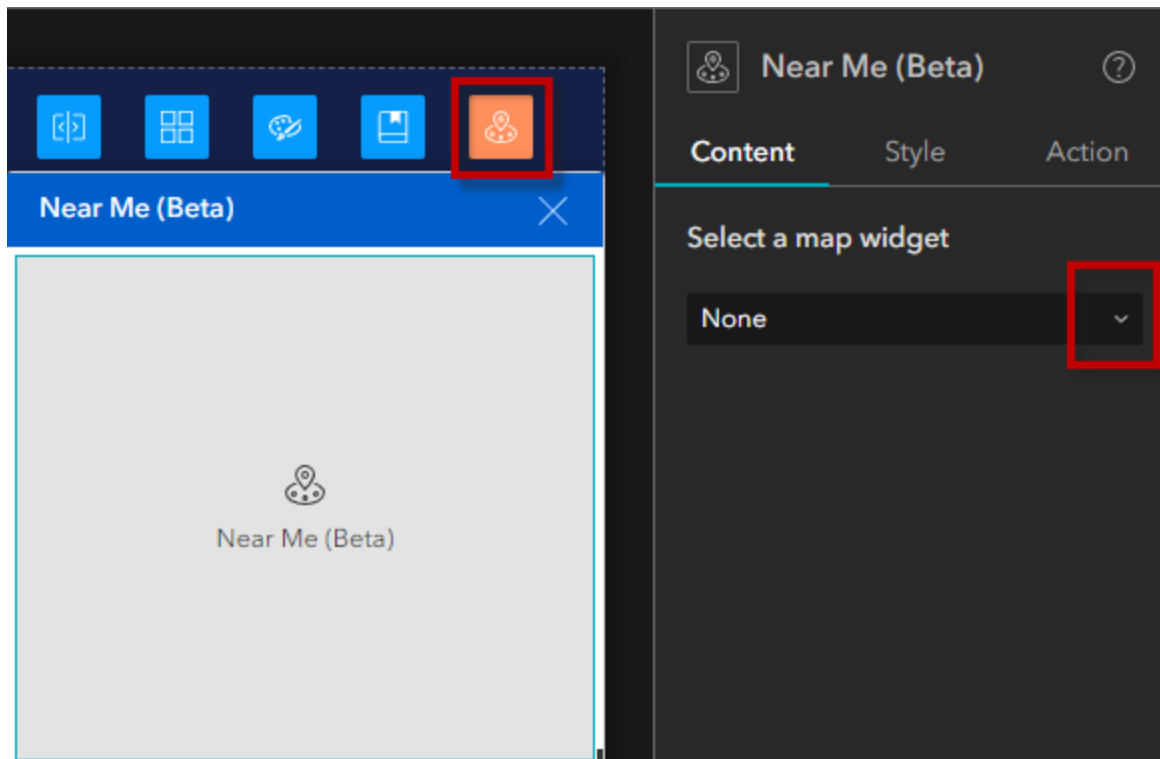
Click on the Add Widget Tool.



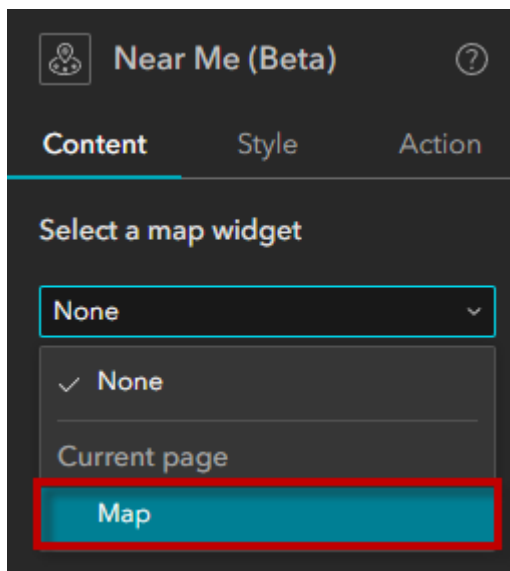
Add the Near Me Widget.



Select the Near Me Widget in the Widget Controller.



Select a Map Widget = Map



Select Historical Aerials EXB

The screenshot displays the 'Near Me (Beta)' application interface. On the left, a blue header bar contains the title 'Near Me (Beta)' and a close button. Below the header, a yellow warning box states: 'Analysis settings are not configured for this map or not valid for the current search settings.' Below the warning box is a list of historical aerials with columns for date, map name, and actions.

Date	Map Name	Actions
Sep - 2021	Nov	⋮
Oct - 2020	Nov	⋮
Sep - 2019	Dec	⋮
Sep - 2018	Dec	⋮
Sep - 2017	Nov	⋮
Sep - 2016	Dec	⋮
Nov - 2016	Feb	⋮

On the right, the 'Near Me (Beta)' sidebar is visible. It includes a 'Content' tab, a 'Select a map widget' dropdown menu set to 'Map', and a 'Map Settings' section. The 'Map Settings' section contains a red box highlighting the 'Historical Aerials EXB' option. Below this, the 'General Settings' section is partially visible, showing 'Sketch color' and 'No results found message'.

Add Analysis

The screenshot displays the 'Near Me (Beta)' application interface, which is divided into two main panels. The left panel, titled 'Historical Aerials EXB', contains two expandable sections: 'Search Settings' and 'Analysis Settings'. The 'Search Settings' section includes a toggle for 'Define a search area' (which is turned on), a 'Search by' dropdown with 'Location' selected, a 'Default search distance' of 1, 'Distance units' set to 'Miles', and a 'Heading label' of 'Location'. The 'Analysis Settings' section features a red-bordered button labeled 'Add Analysis', a descriptive note about layer visibility, and two toggles for 'Display feature count' and 'Display analysis icon', both of which are turned on. The right panel, titled 'Near Me (Beta)', has three tabs: 'Content' (selected), 'Style', and 'Action'. Under the 'Content' tab, there is a 'Select a map widget' dropdown set to 'Map', a 'Map Settings' section with a link to configure search and analysis settings, and a 'General Settings' section. The 'General Settings' section includes a 'Sketch color' selector (blue), a 'No results found message' field containing 'No results found.', a dropdown for 'Avenir Next', and a text formatting toolbar with options for bold, italic, underline, strikethrough, color, size (12), and units (px).

Historical Aerials EXB ✕

Search Settings ^

Define a search area ⓘ ☒

Search by

☐ Current map area ⓘ

☒ Location

Default search distance

1

Distance units

Miles

Heading label

Location

Analysis Settings ^

Configure analysis for layers ⓘ

Add Analysis

Configured layers will be used for analysis regardless of their visibility in the map.

Display feature count ☒

Display analysis icon ☒

Near Me (Beta) ⓘ

Content Style Action

Select a map widget

Map

Map Settings ⓘ

Click on a map to configure search and analysis settings.

Historical Aerials EXB

General Settings ^

Sketch color ⓘ ☒

No results found message

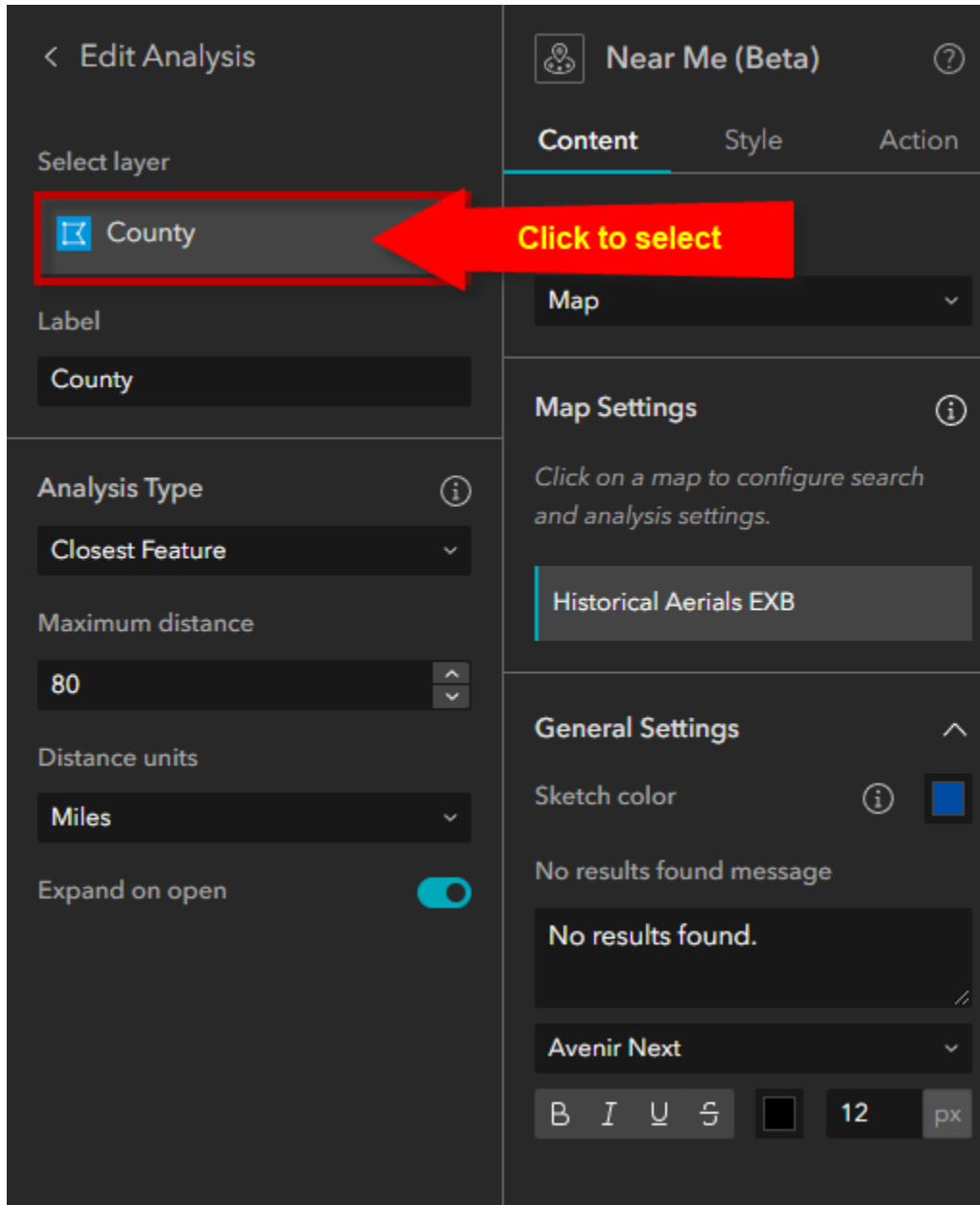
No results found.

Avenir Next

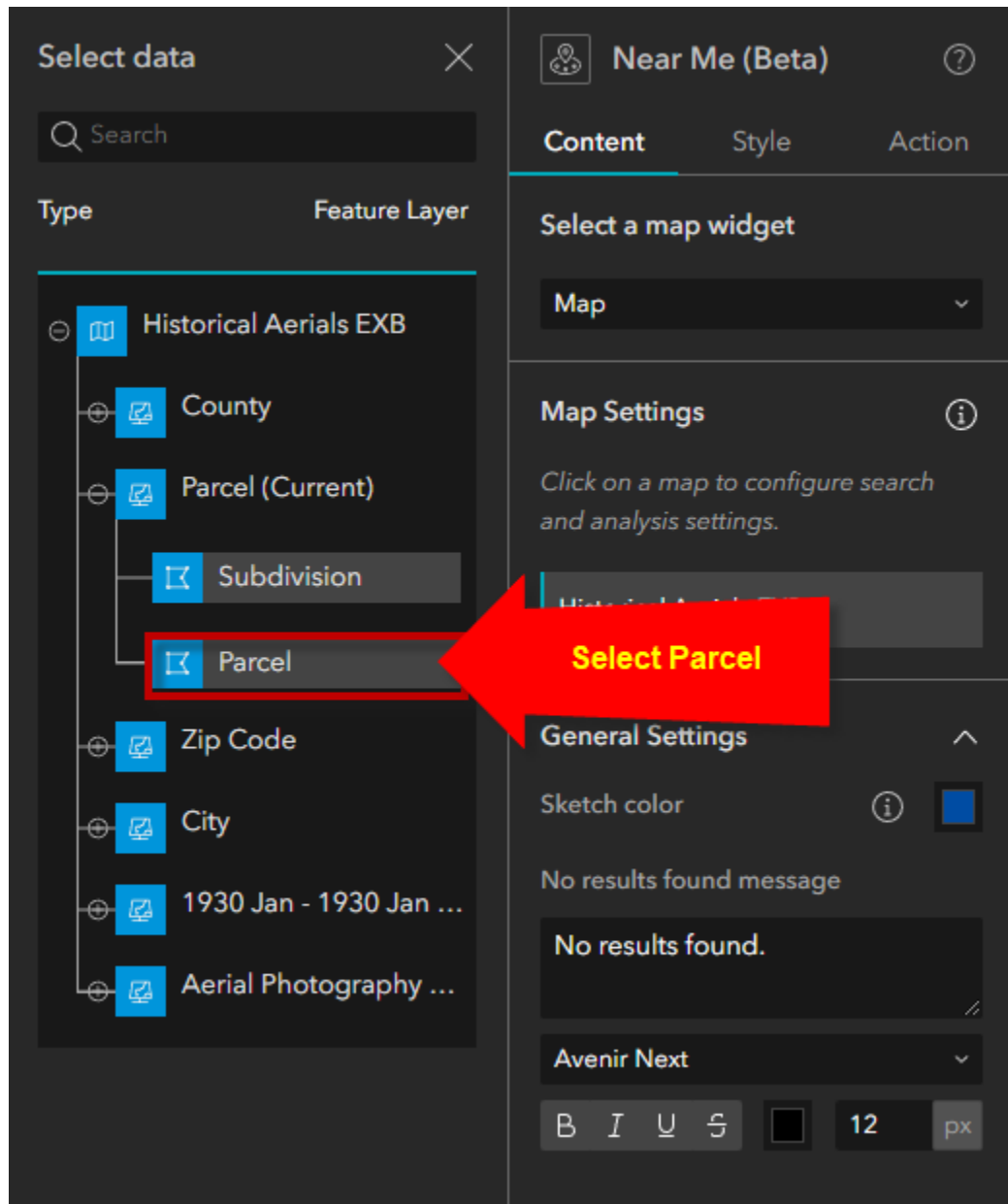
B I U ☒ 12 px

The default selected layer is County.

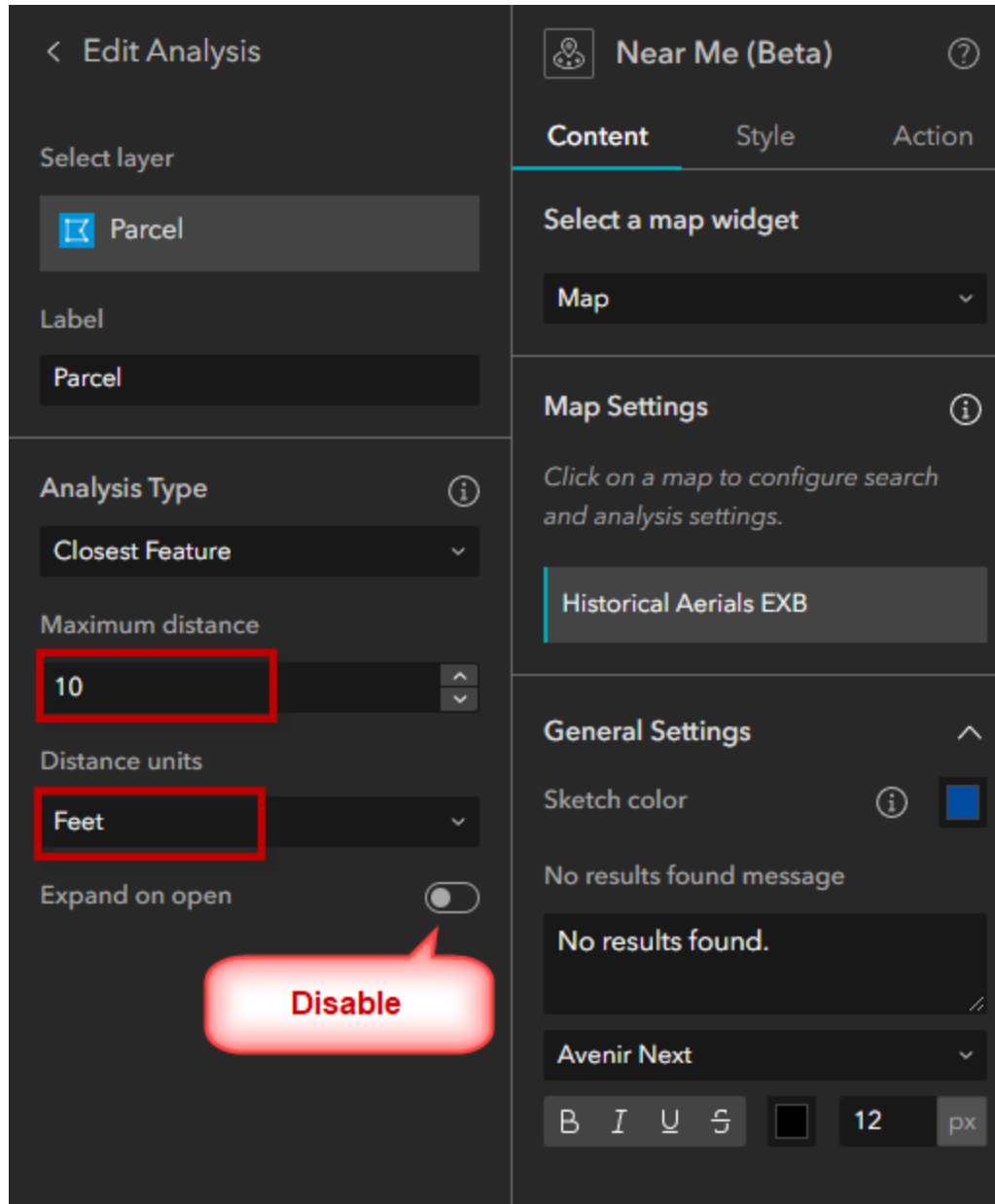
Click to select a different one.



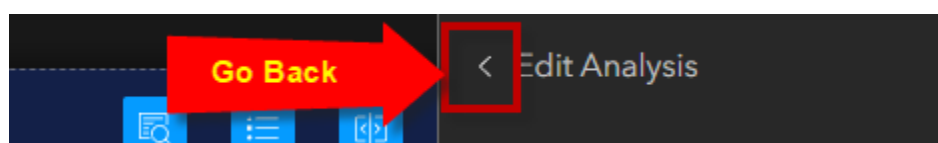
Select the **Parcel** Layer.



Analysis Type = Closest Feature
Minimum Distance = 10
Distance Unit = Feet
Expand on Open = Disable



Go back to the Edit Analysis Page.



Add Analysis

The screenshot displays the 'Near Me (Beta)' map interface. On the left, a sidebar contains several settings panels. The 'Search Settings' panel includes a toggle for 'Define a search area', a 'Search by' section with radio buttons for 'Current map area' and 'Location' (selected), a 'Default search distance' of 1, 'Distance units' set to 'Miles', and a 'Heading label' of 'Location'. The 'Analysis Settings' panel features a red-bordered button labeled 'Add Analysis', a note about layer visibility, a 'Parcel' layer with 'Closest Feature' analysis, and toggles for 'Display feature count' and 'Display analysis icon'. The main map area on the right has tabs for 'Content', 'Style', and 'Action'. Under 'Content', there's a 'Select a map widget' dropdown set to 'Map', a 'Map Settings' section with a description and a 'Historical Aerials EXB' widget, and a 'General Settings' section with a 'Sketch color' picker, a 'No results found message' area showing 'No results found.', and a font toolbar with 'Avenir Next' font and size '12 px'.

Historical Aerials EXB ✕

Search Settings ^

Define a search area ⓘ ☒

Search by

☐ Current map area ⓘ

☒ Location

Default search distance

1

Distance units

Miles

Heading label

Location

Analysis Settings ^

Configure analysis for layers ⓘ

Add Analysis

Configured layers will be used for analysis regardless of their visibility in the map.

Parcel ✕

Closest Feature

Display feature count ☒

Display analysis icon ☒

Near Me (Beta) ?

Content Style Action

Select a map widget

Map

Map Settings ⓘ

Click on a map to configure search and analysis settings.

Historical Aerials EXB

General Settings ^

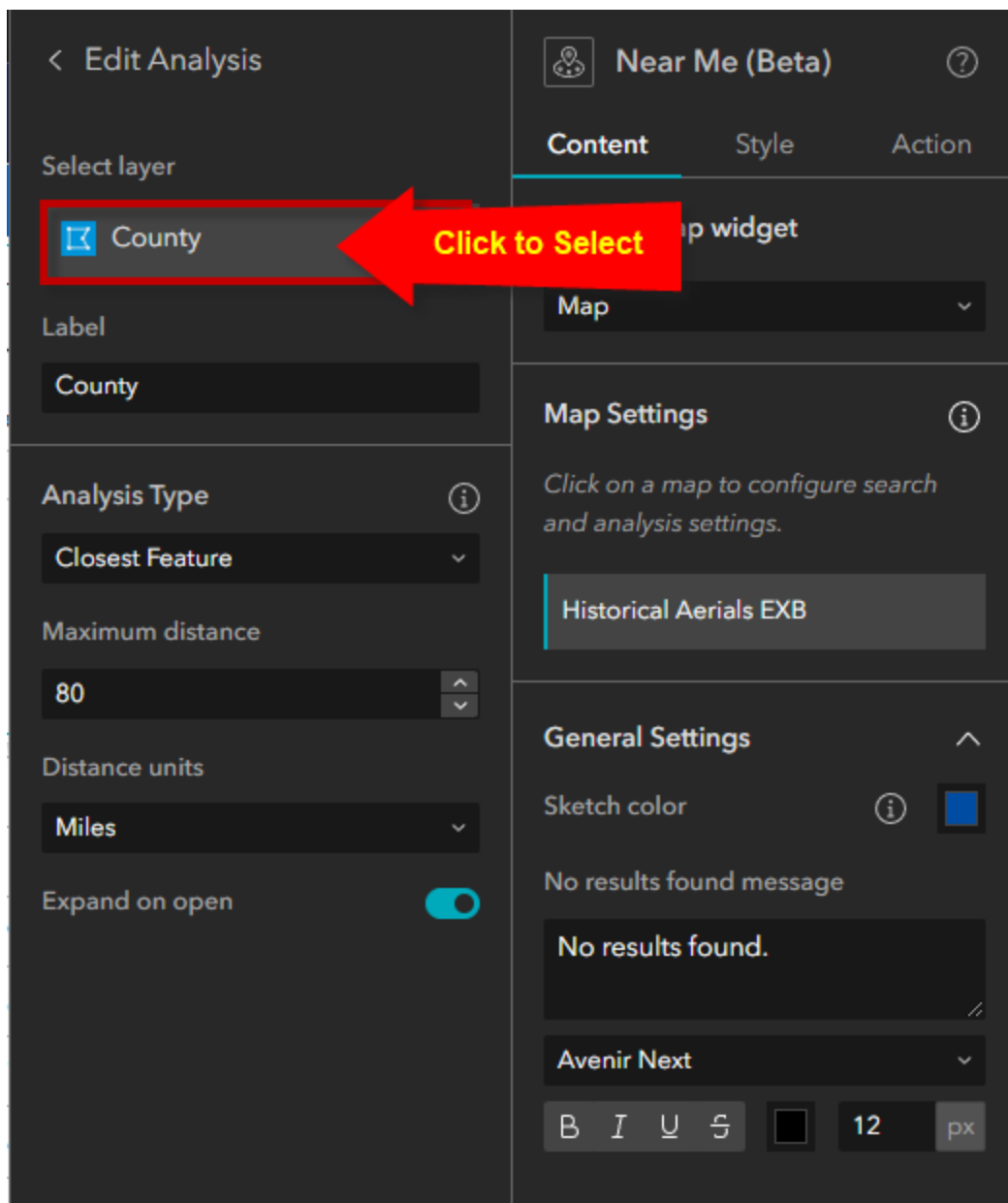
Sketch color ⓘ

No results found message

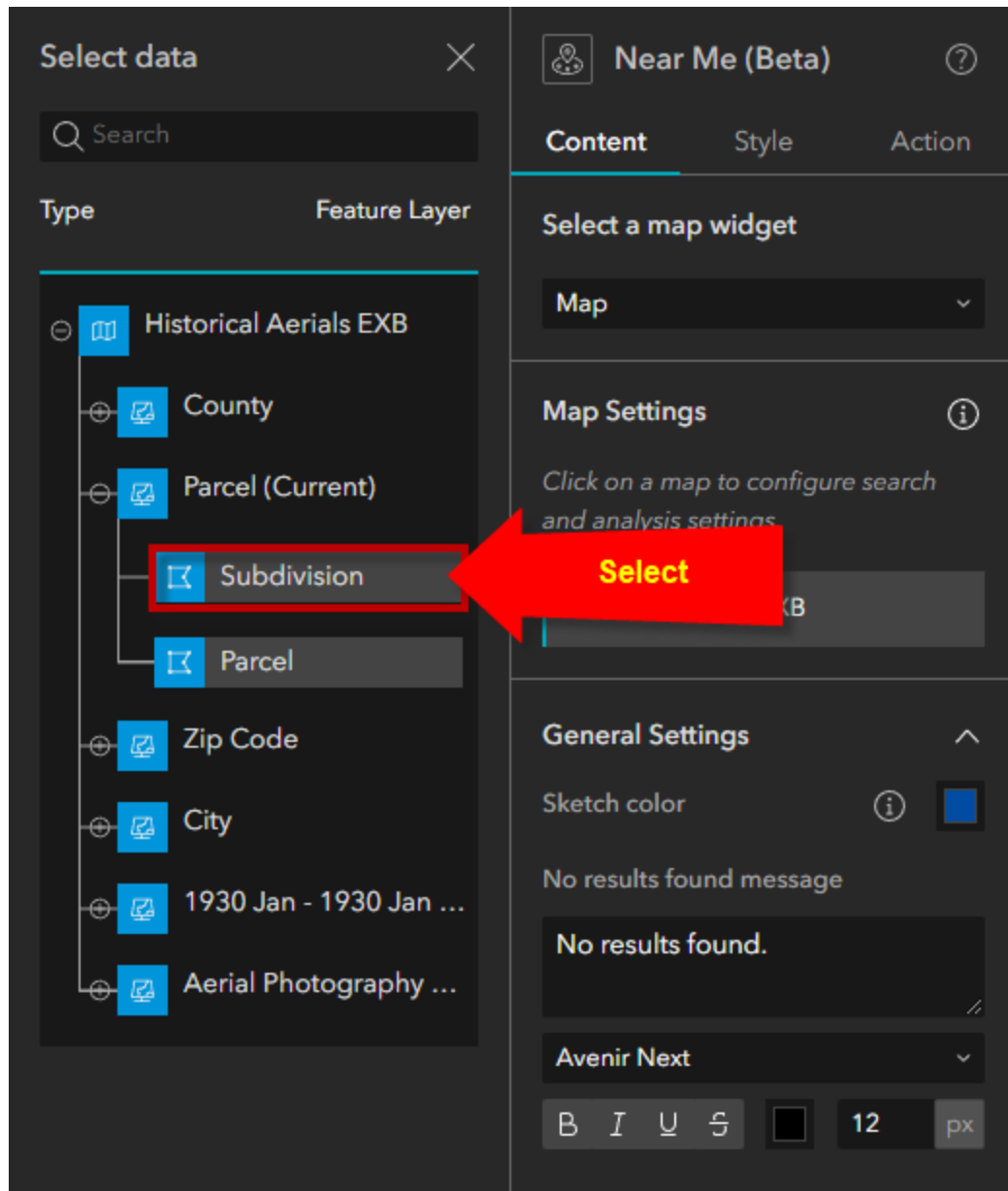
No results found.

Avenir Next

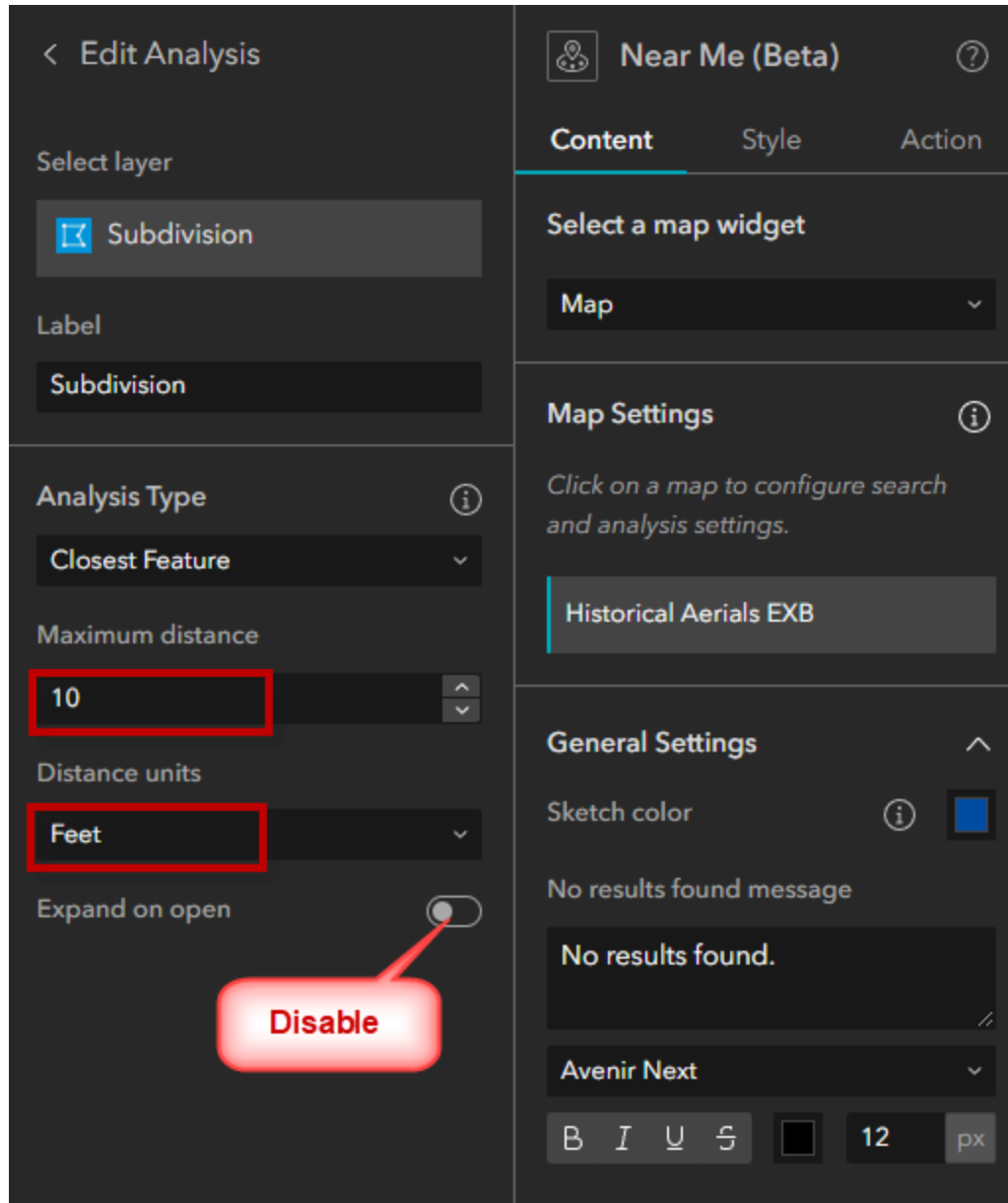
B I U 12 px



Select the **Subdivision** Layer.



Analysis Type = Closest Feature
Minimum Distance = 10
Distance Unit = Feet
Expand on Open = Disable



Add Analysis

The screenshot displays the 'Near Me (Beta)' map interface. On the left sidebar, the 'Historical Aerials EXB' panel is open, showing 'Search Settings' and 'Analysis Settings'. In the 'Analysis Settings' section, the 'Add Analysis' button is highlighted with a red rectangle. The main map area shows the 'Near Me (Beta)' title, tabs for 'Content', 'Style', and 'Action', and a 'Select a map widget' dropdown set to 'Map'. Below this is the 'Map Settings' section with a note to click on the map for configuration, and a 'General Settings' section with options for 'Sketch color' (blue), 'No results found message' (No results found.), and 'Avenir Next' font. A text formatting toolbar is visible at the bottom of the map area.

Historical Aerials EXB ✕

Search Settings ^

Define a search area ⓘ ☒

Search by

☐ Current map area ⓘ

☒ Location

Default search distance

1

Distance units

Miles

Heading label

Location

Analysis Settings ^

Configure analysis for layers ⓘ

Add Analysis

Configured layers will be used for analysis regardless of their visibility in the map.

Parcel ✕

Closest Feature

Subdivision ✕

Closest Feature

Display feature count ☒

Display analysis icon ☒

Near Me (Beta) ⓘ

Content Style Action

Select a map widget

Map

Map Settings ⓘ

Click on a map to configure search and analysis settings.

Historical Aerials EXB

General Settings ^

Sketch color ⓘ ☒

No results found message

No results found.

Avenir Next

B I U ☒ 12 px

Select Zip Code

The image shows a software interface for a map application. On the left, a 'Select data' panel is open, displaying a tree view of feature layers. The 'ZIP Code' layer is selected and highlighted with a red rectangle. On the right, the 'Near Me (Beta)' panel is visible, showing tabs for 'Content', 'Style', and 'Action'. The 'Content' tab is active, displaying 'Select a map widget' with a dropdown menu set to 'Map'. Below this, the 'Map Settings' section shows 'Historical Aerials EXB' selected. The 'General Settings' section includes a 'Sketch color' dropdown set to blue, a 'No results found message' section with the text 'No results found.', and a 'Avenir Next' font dropdown. At the bottom, there are text formatting options: bold (B), italic (I), underline (U), strikethrough (ABC), a color picker, a font size of 12, and a unit of px.

Select data X

Search

Type Feature Layer

- Historical Aerials EXB
 - County
 - Parcel (Current)
 - Zip Code
 - ZIP Code**
 - City
 - 1930 Jan - 1930 Jan ...
 - Aerial Photography ...

Near Me (Beta) ?

Content Style Action

Select a map widget

Map

Map Settings i

Click on a map to configure search and analysis settings.

Historical Aerials EXB

General Settings ^

Sketch color i [Blue]

No results found message

No results found.

Avenir Next

B I U ABC [Color] 12 px

Analysis Type = Closest Feature
Minimum Distance = 10
Distance Unit = Feet
Expand on Open = Disable

Edit Analysis

Select layer

ZIP Code

Label

ZIP Code

Analysis Type

Closest Feature

Maximum distance

10

Distance units

Feet

Expand on open

Disable

Near Me (Beta)

Content Style Action

Select a map widget

Map

Map Settings

Click on a map to configure search and analysis settings.

Historical Aerials EXB

General Settings

Sketch color

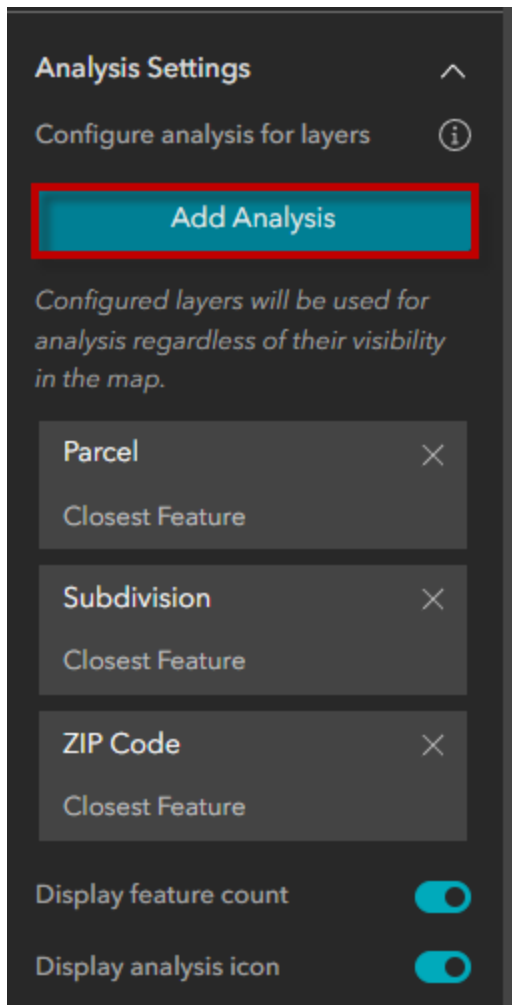
No results found message

No results found.

Avenir Next

B I U S 12 px

Add Analysis



Select City

The image shows a software interface for selecting data layers. On the left, a panel titled "Select data" contains a search bar and a list of feature layers. The "City" layer is selected and highlighted with a red rectangular box. On the right, a panel titled "Near Me (Beta)" is open, showing tabs for "Content", "Style", and "Action". The "Content" tab is active, displaying a "Select a map widget" dropdown set to "Map". Below this, the "Map Settings" section includes a description: "Click on a map to configure search and analysis settings." and a list of available layers, with "Historical Aerials EXB" selected. The "General Settings" section at the bottom includes a "Sketch color" picker (set to blue), a "No results found message" field (containing "No results found."), a font style dropdown (set to "Avenir Next"), and a font size input (set to "12 px").

Select data [X]

Search

Type Feature Layer

- Historical Aerials EXB
 - County
 - Parcel (Current)
 - Zip Code
 - City
 - City**
 - 1930 Jan - 1930 Jan ...
 - Aerial Photography ...

Near Me (Beta) [?]

Content Style Action

Select a map widget

Map

Map Settings [i]

Click on a map to configure search and analysis settings.

Historical Aerials EXB

General Settings [^]

Sketch color [i] [blue]

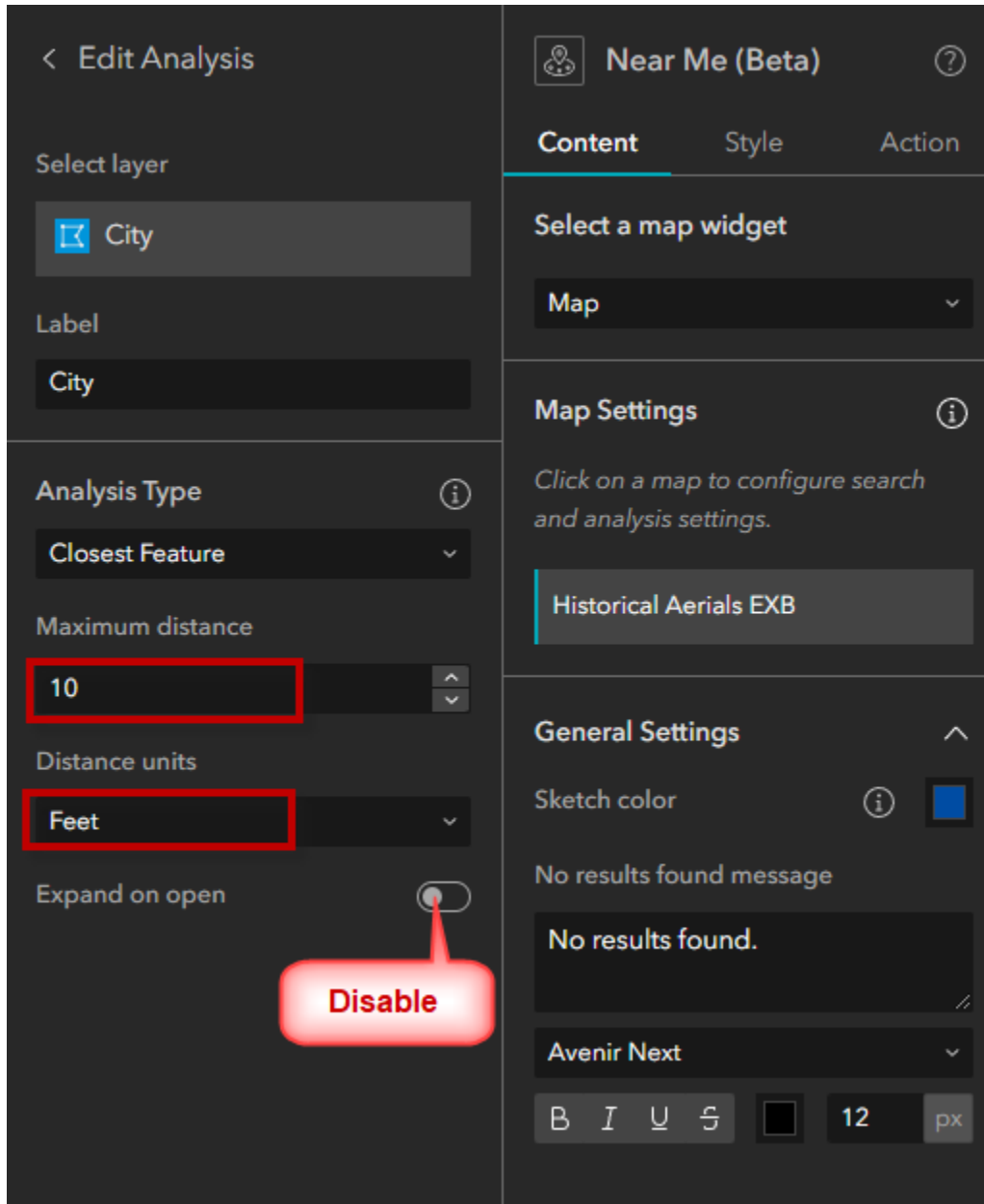
No results found message

No results found.

Avenir Next

B I U [icon] [black] 12 px

Analysis Type = Closest Feature
Minimum Distance = 10
Distance Unit = Feet
Expand on Open = Disable

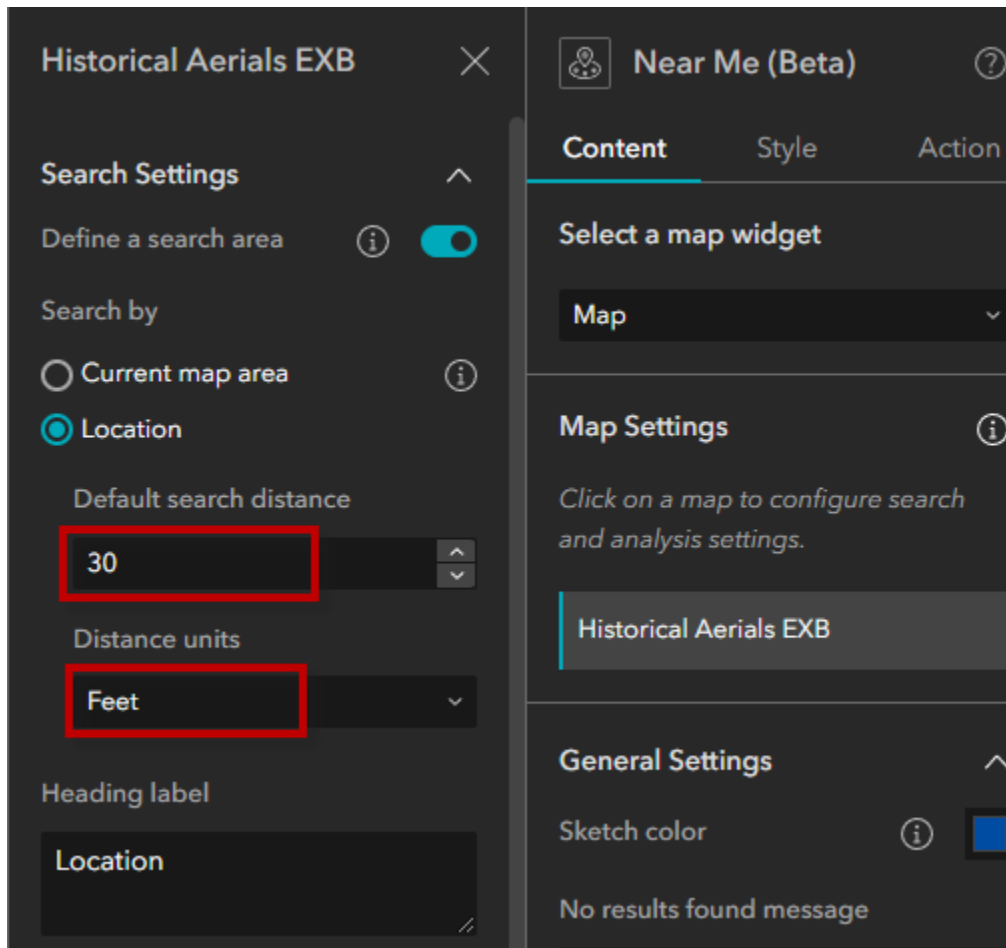


Search by Location

Default Search Distance = 30

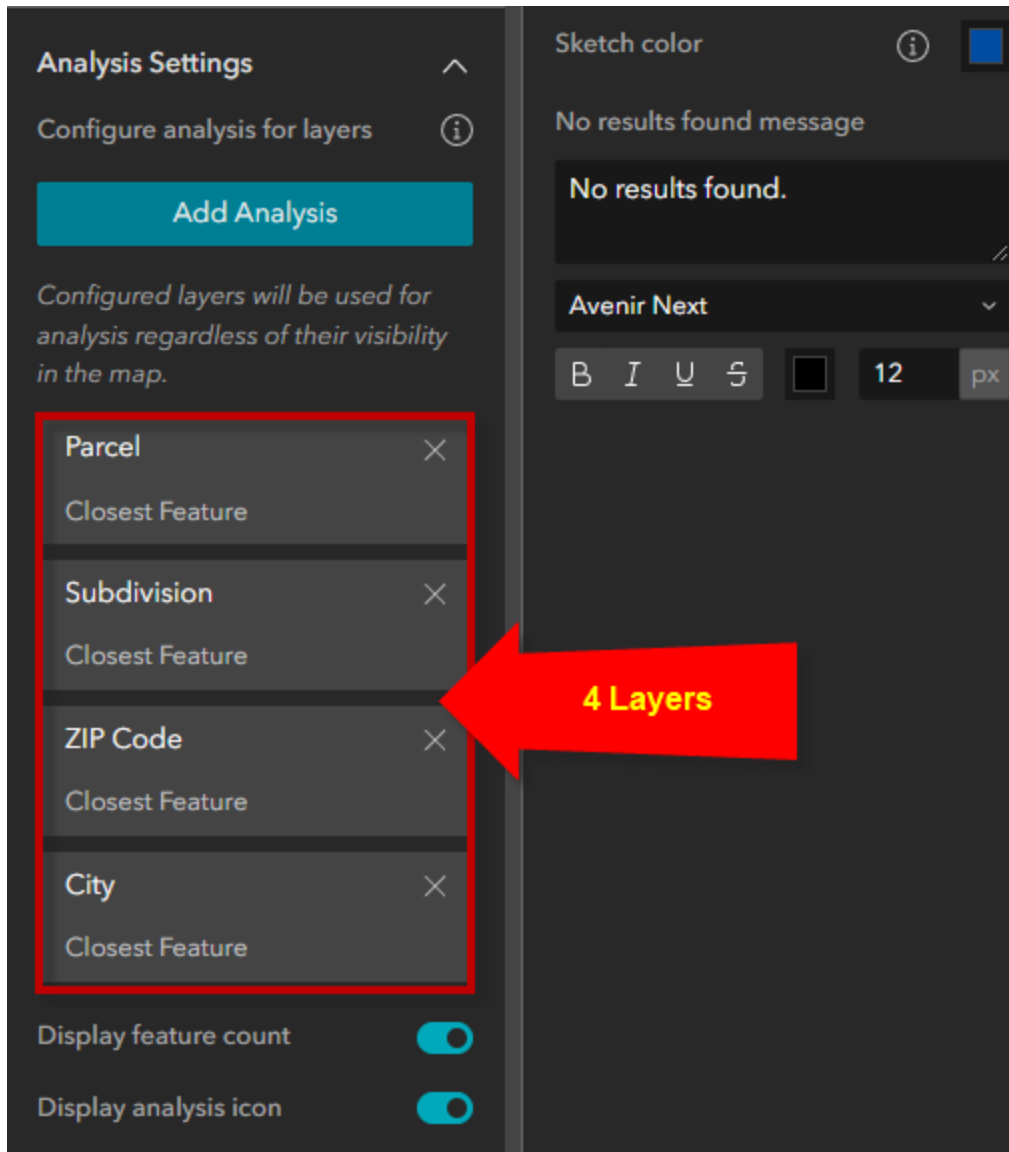
Distance Units = Feet

Heading Label = Location



You have configured the Near Me Widget to search for 4 layers:

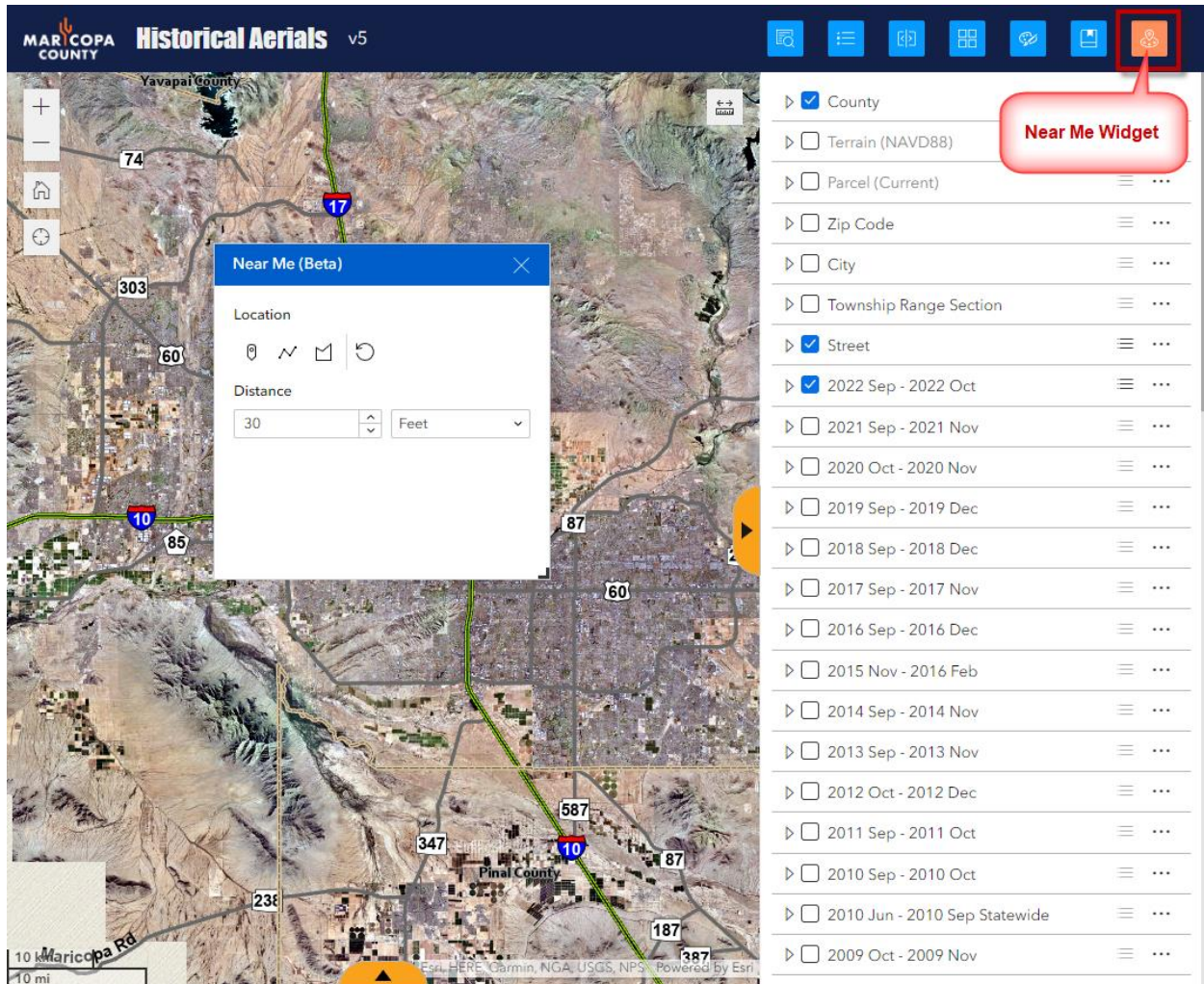
- Parcel
- Subdivision
- ZIP Code
- City



Save, Publish, View Published Item.

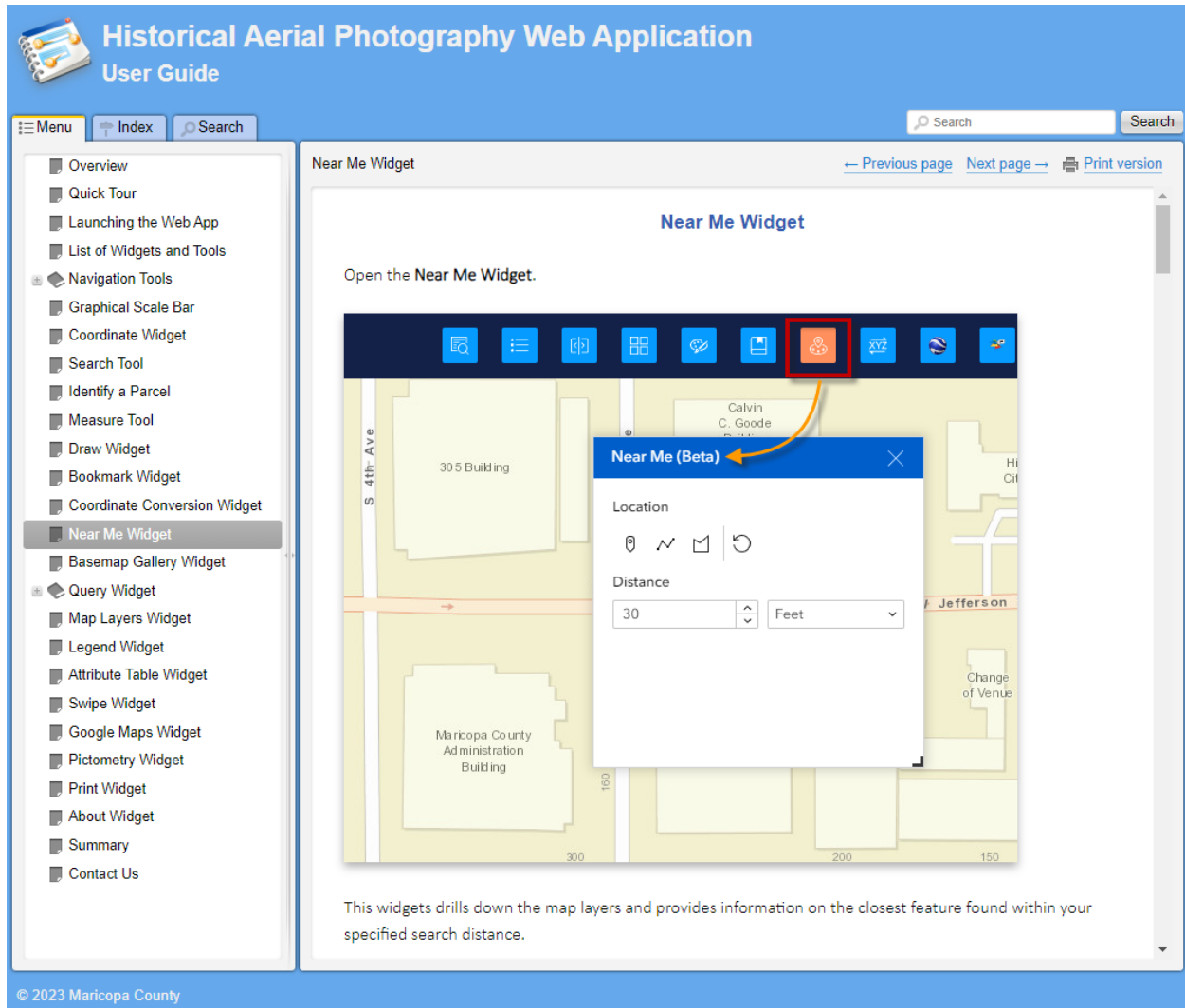
<https://localhost:3001/experience/4/>

Open the Near Me Widget.



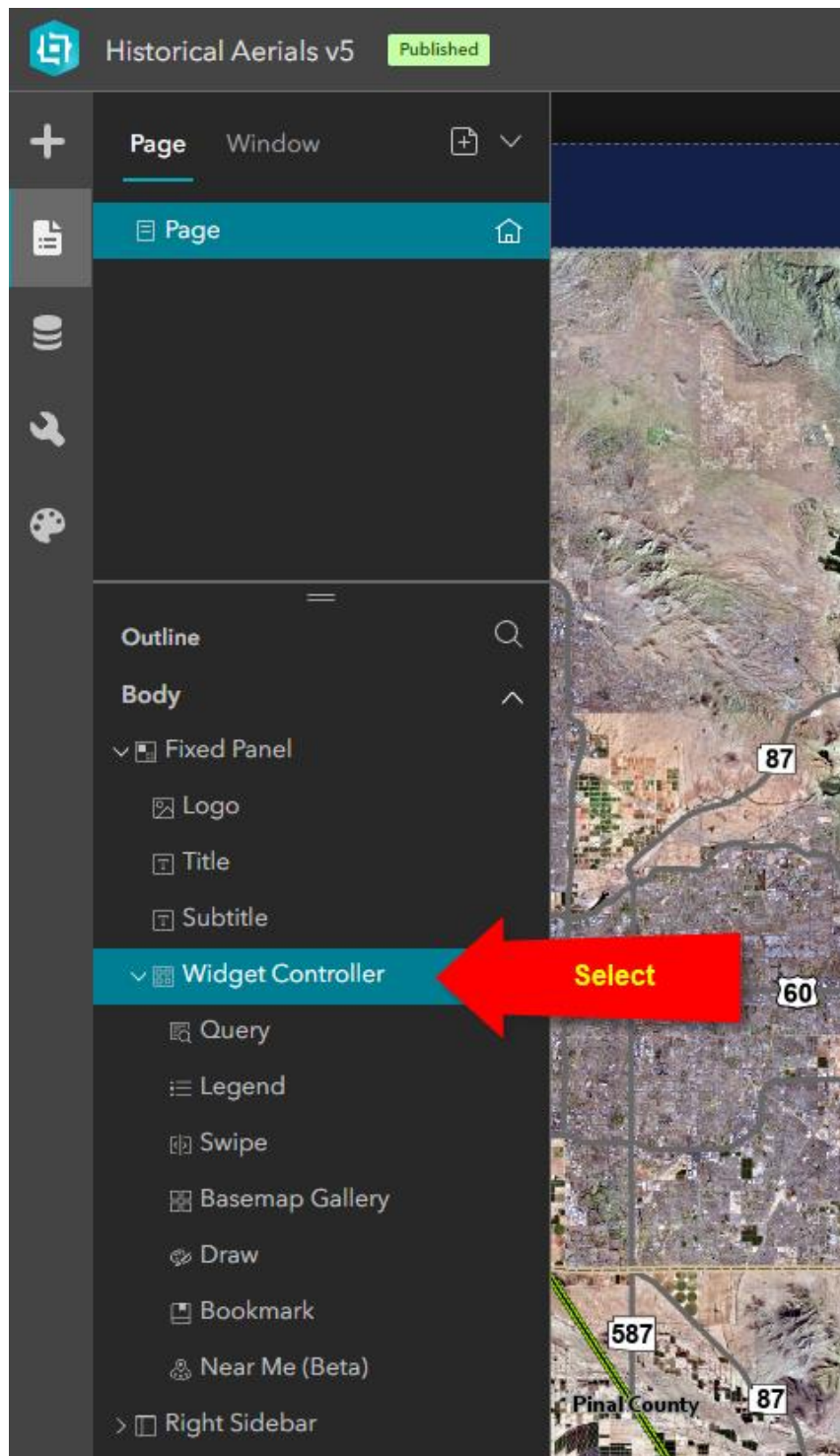
To see how the Near Me Widget works, follow the User Guide.

https://daviddas2.github.io/HistoricalAerials/help/near_me_widget.htm

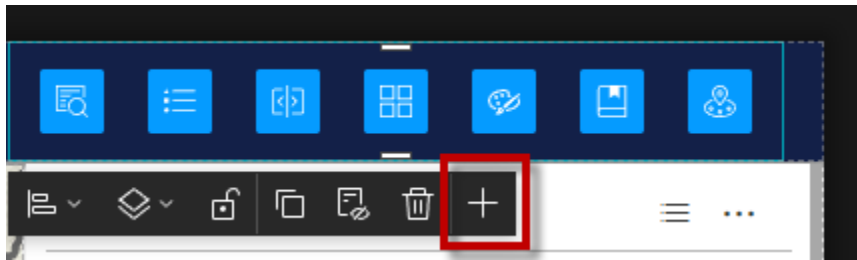


Add the Coordinate Conversion Widget

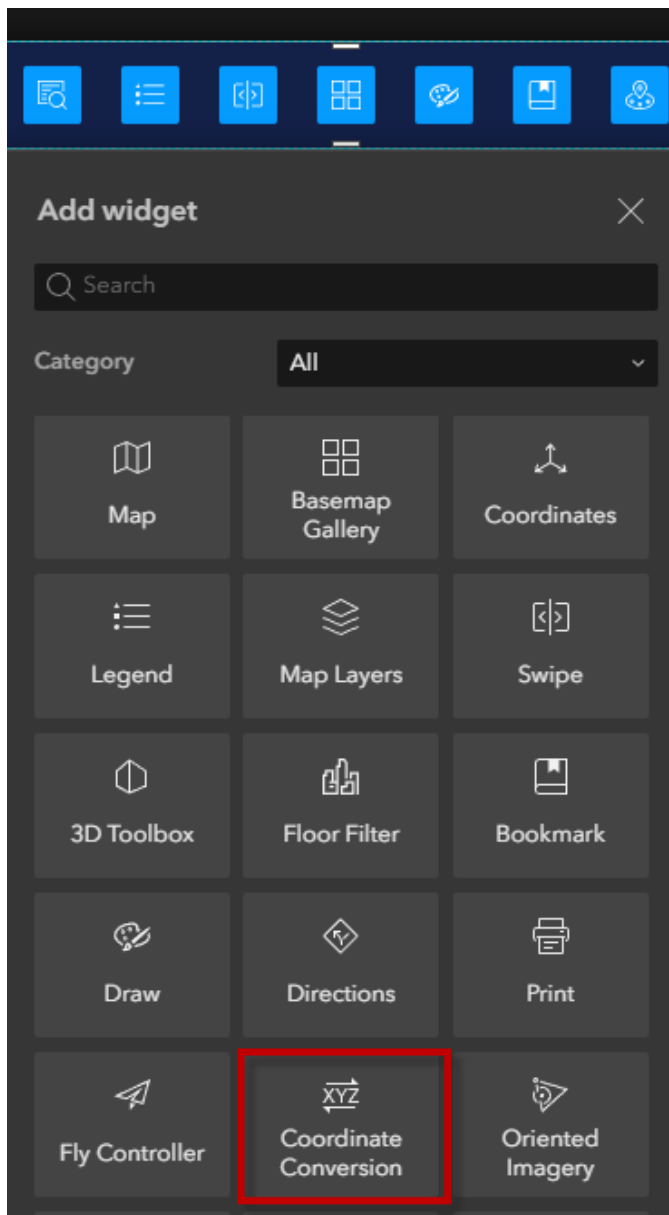
Select the Coordinate Conversion Widget from the Page Outline.

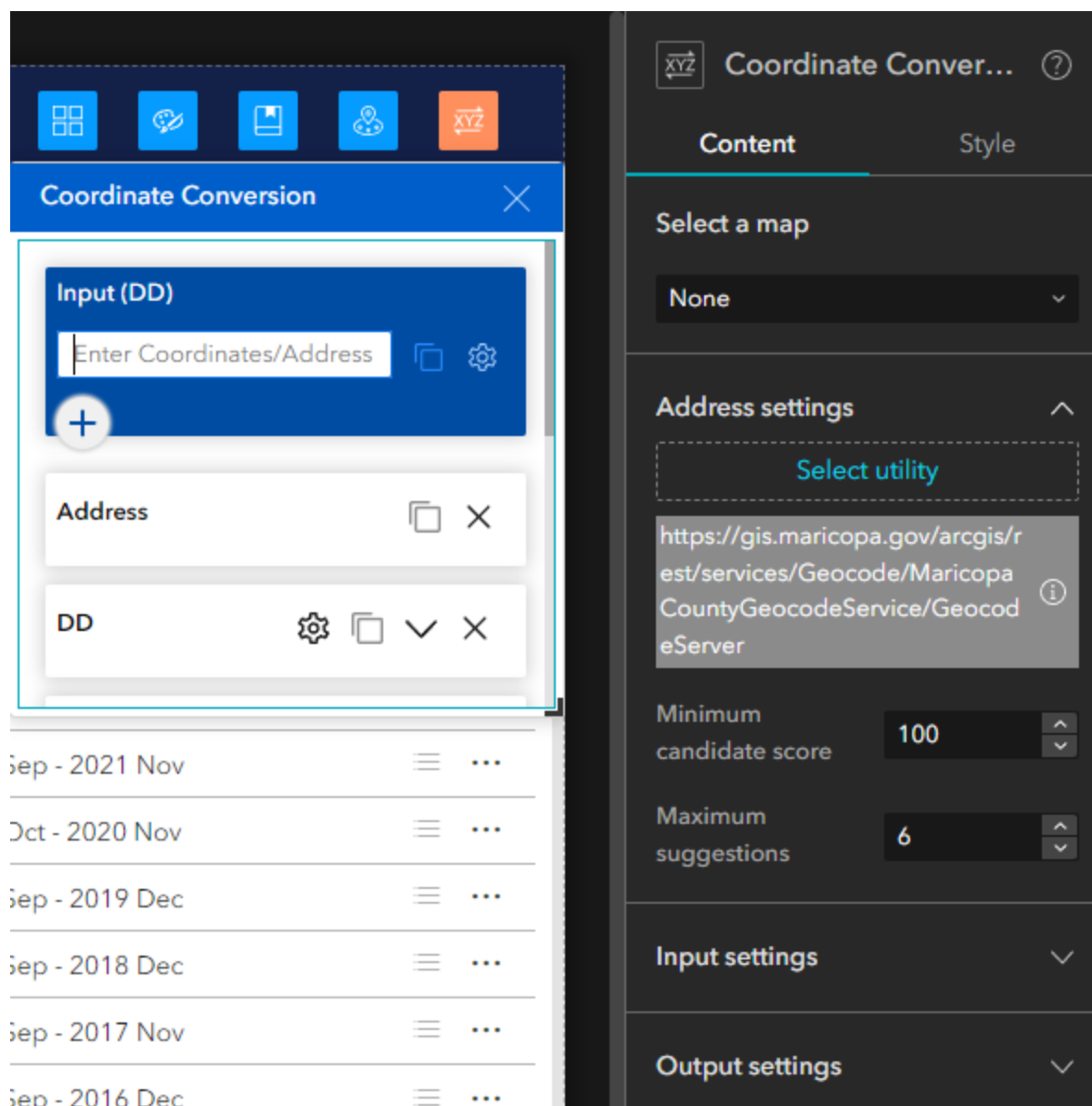


Click on the Add Widget Tool.

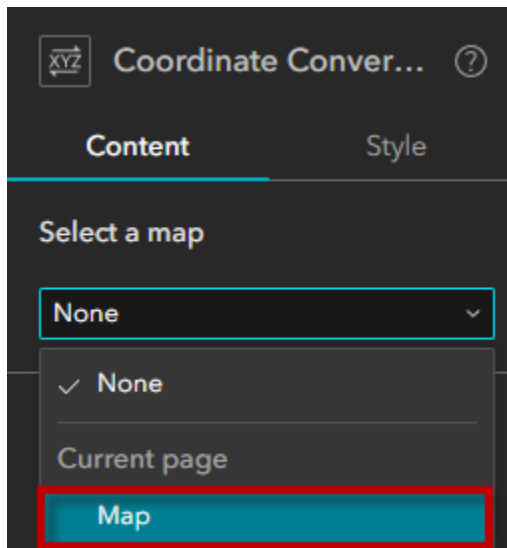


Add the **Coordinate Conversion Widget**.

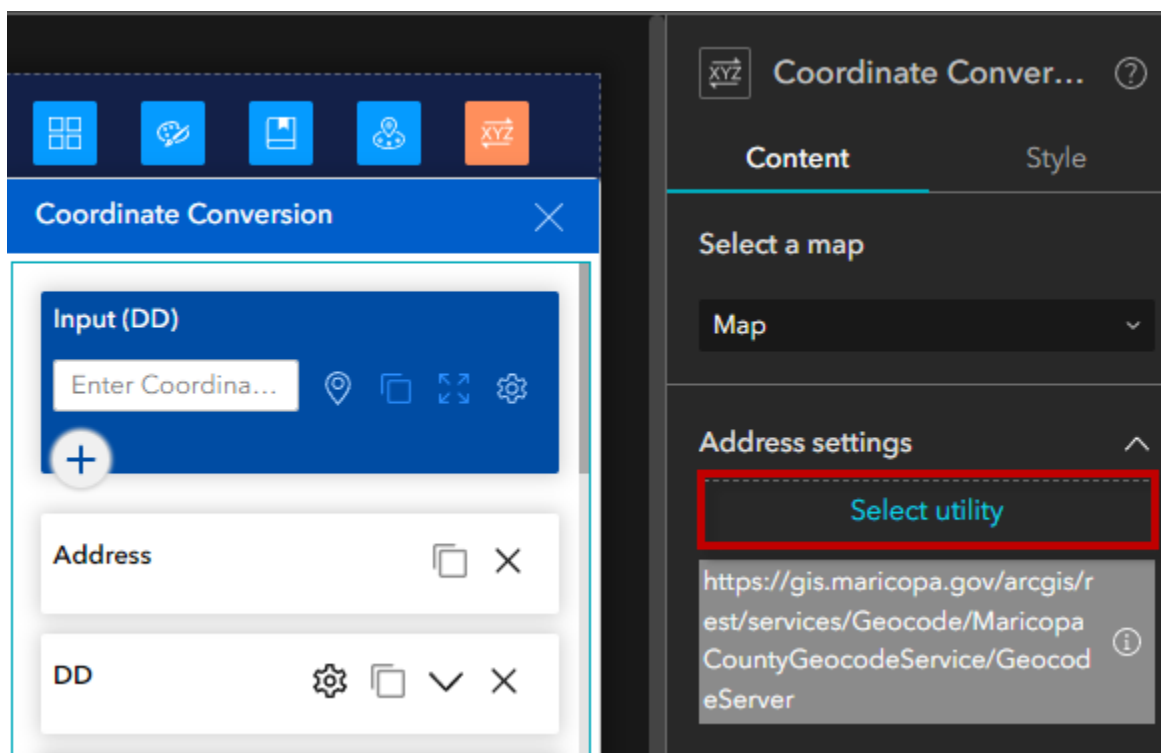




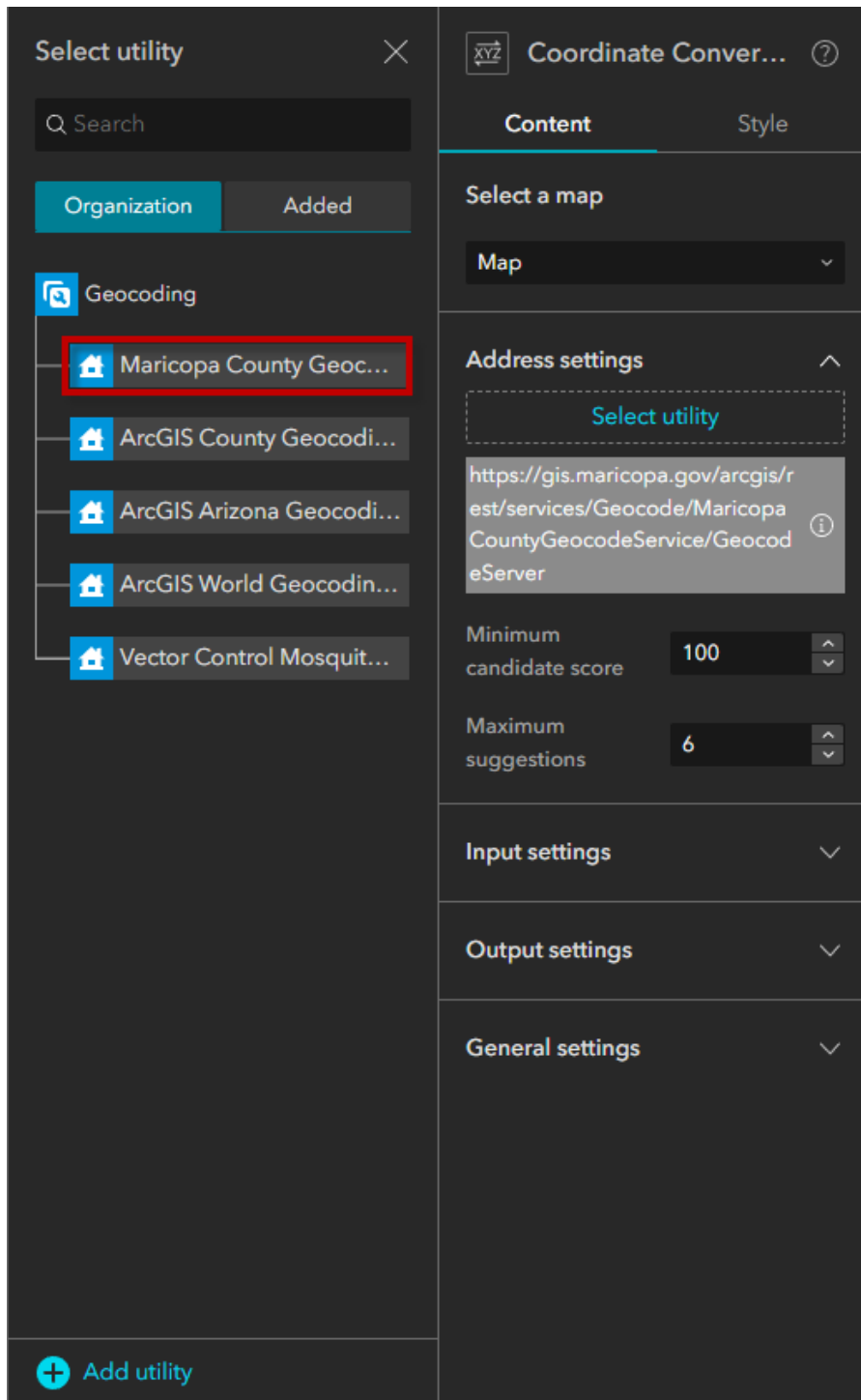
Select a map = Map



Select Utility

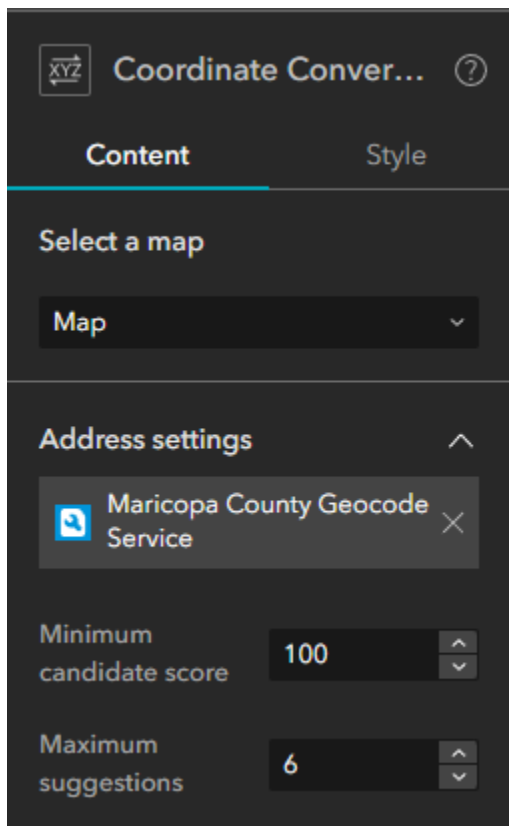


Select the **Maricopa County Geocoder**

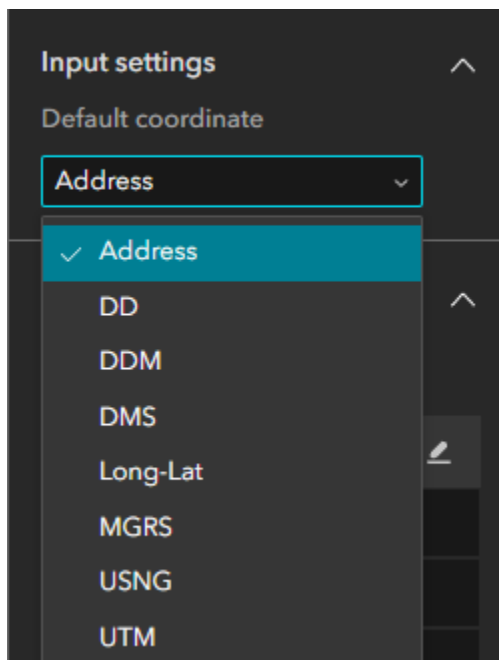


This is the URL for the Maricopa County Geocoder:

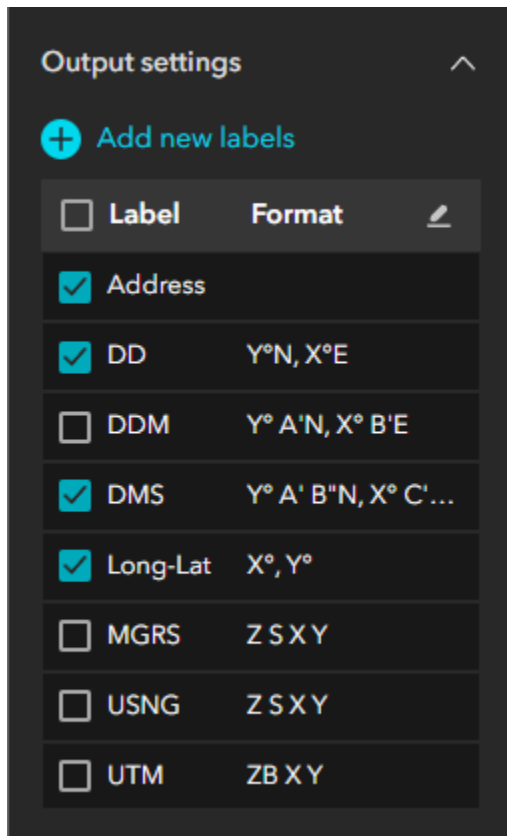
<https://gis.maricopa.gov/arcgis/rest/services/Geocode/MaricopaCountyGeocodeService/Geocod...eServer>



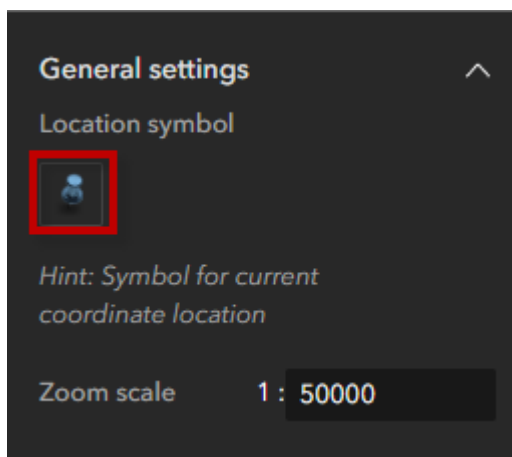
Input Settings = Address



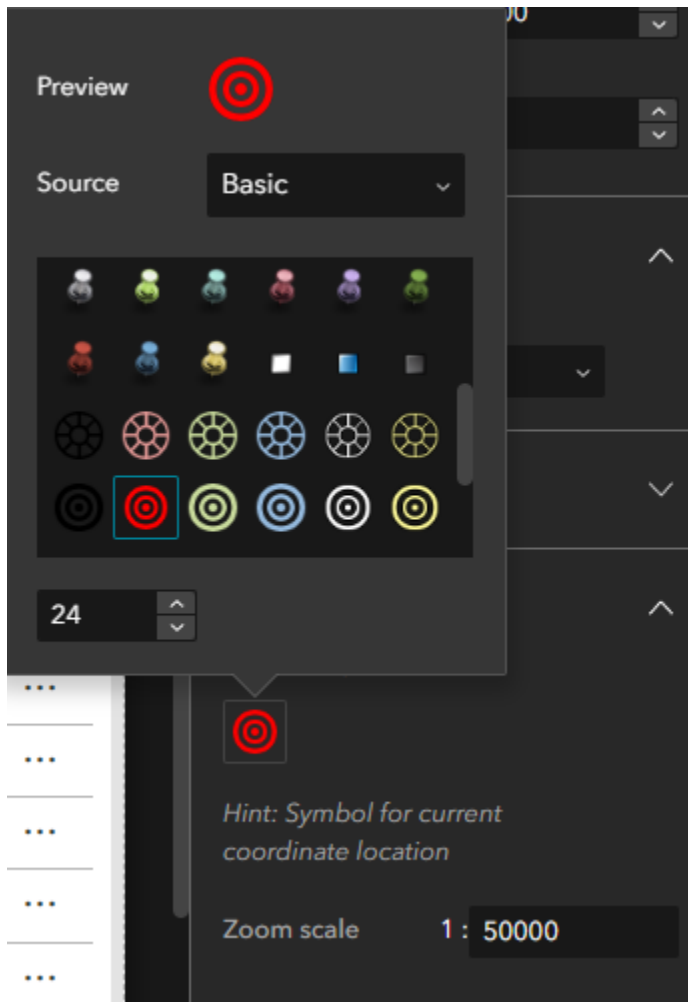
Output Settings:



General Settings

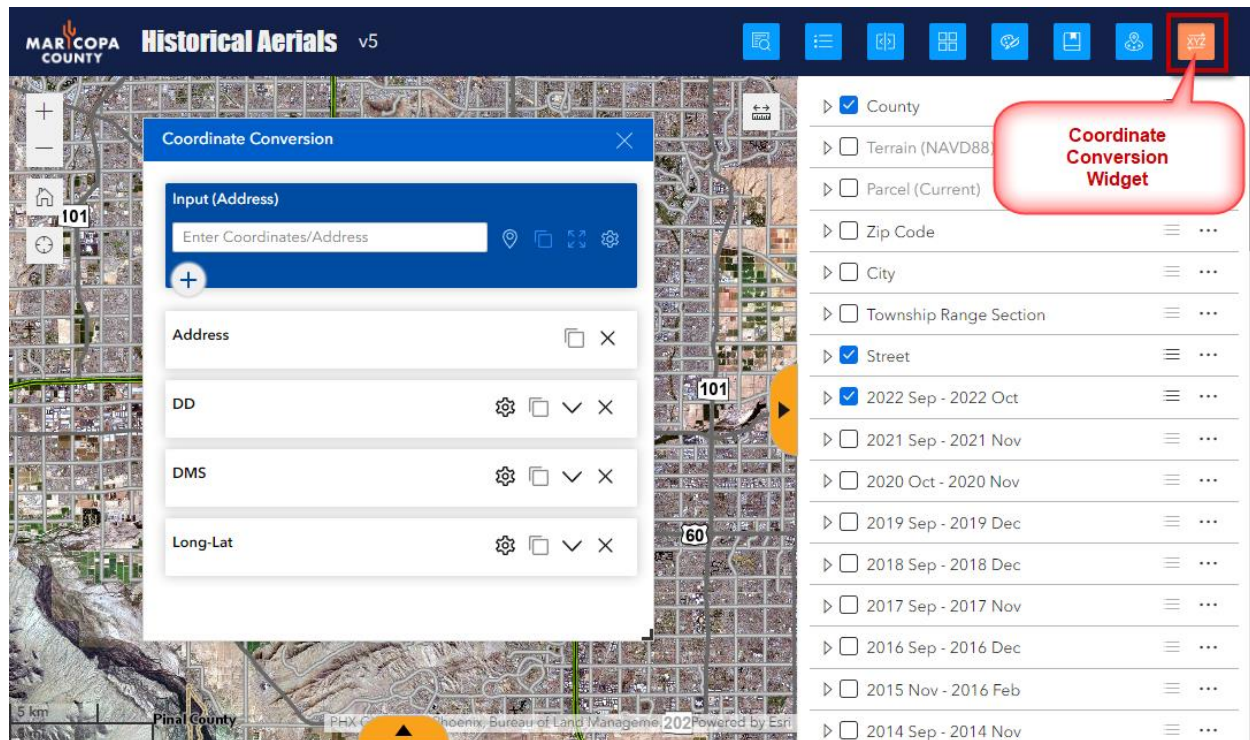


Change the Location Symbol



Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>



To see how this widget works, follow the User Guide.

https://daviddas2.github.io/HistoricalAerials/help/coordinate_conversion_widget.htm

The screenshot displays the 'Historical Aerial Photography Web Application User Guide'. On the left is a navigation menu with the following items: Overview, Quick Tour, Launching the Web App, List of Widgets and Tools, Navigation Tools (expanded), Graphical Scale Bar, Coordinate Widget, Search Tool, Identify a Parcel, Measure Tool, Draw Widget, Bookmark Widget, Coordinate Conversion Widget (highlighted), Near Me Widget, Basemap Gallery Widget, Query Widget, Map Layers Widget, Legend Widget, Attribute Table Widget, Swipe Widget, Google Maps Widget, Pictometry Widget, Print Widget, About Widget, Summary, and Contact Us. The main content area is titled 'Coordinate Conversion Widget' and includes links for 'Previous page', 'Next page', and 'Print version'. It instructs the user to 'Open the Coordinate Conversion Widget.' and shows a map of Phoenix with a toolbar. A red box highlights the 'Coordinate Conversion' icon in the toolbar, with an arrow pointing to a floating 'Coordinate Conversion' dialog box. The dialog box contains an 'Input (Long-Lat)' section with a text field 'Enter Coordinates/Address' and a plus icon. Below this are three input fields: 'Address', 'DD' (Decimal Degrees), and 'DMS' (Degrees Minutes Seconds), each with a settings gear, a copy icon, and a close 'X' icon. The 'Long-Lat' field is at the bottom.

Historical Aerial Photography Web Application
User Guide

Menu Index Search

Coordinate Conversion Widget

← Previous page Next page → Print version

Coordinate Conversion Widget

Open the Coordinate Conversion Widget.

Coordinate Conversion

Input (Long-Lat)

Enter Coordinates/Address

+

Address

DD

DMS

Long-Lat

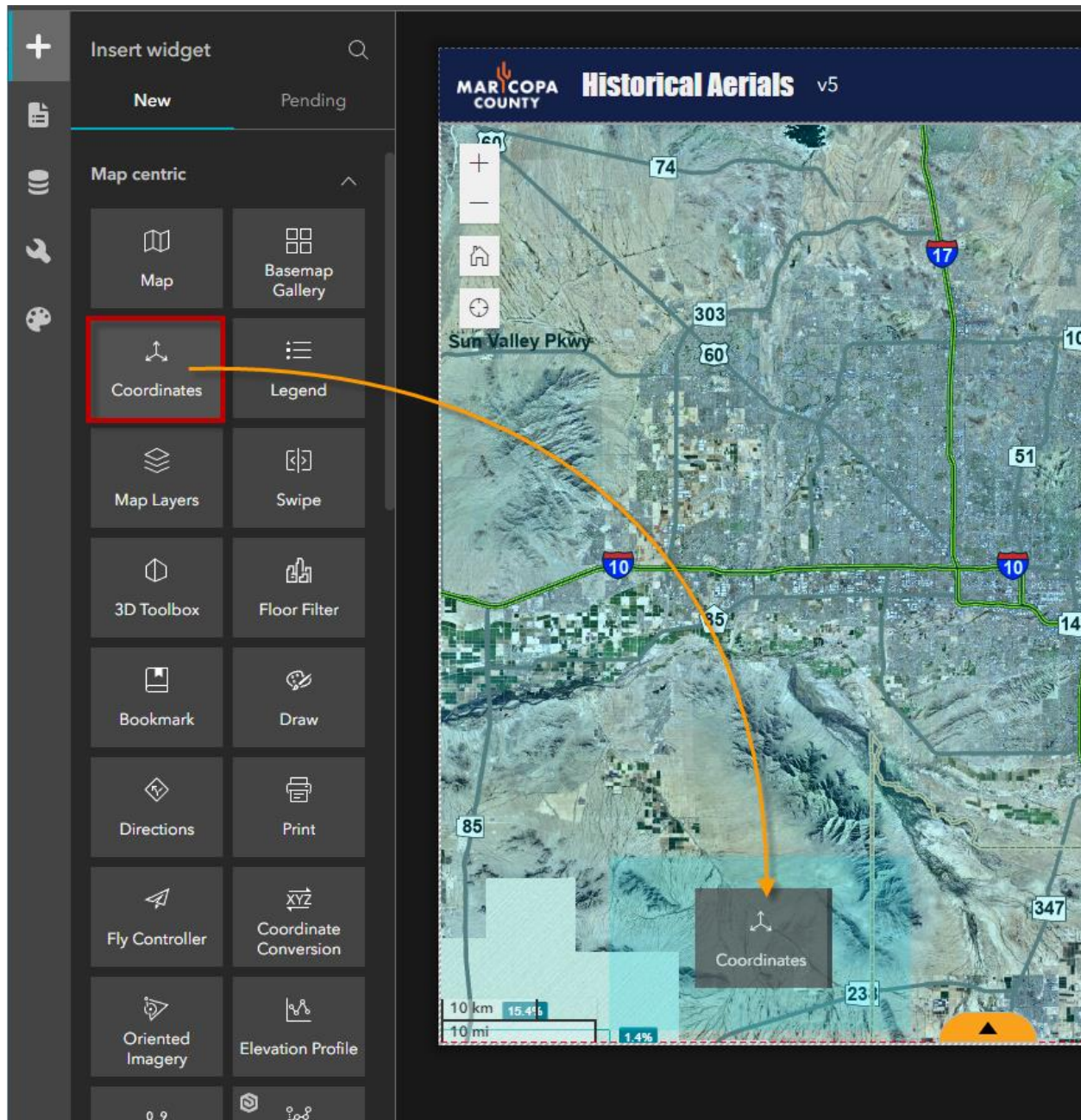
Phoenix

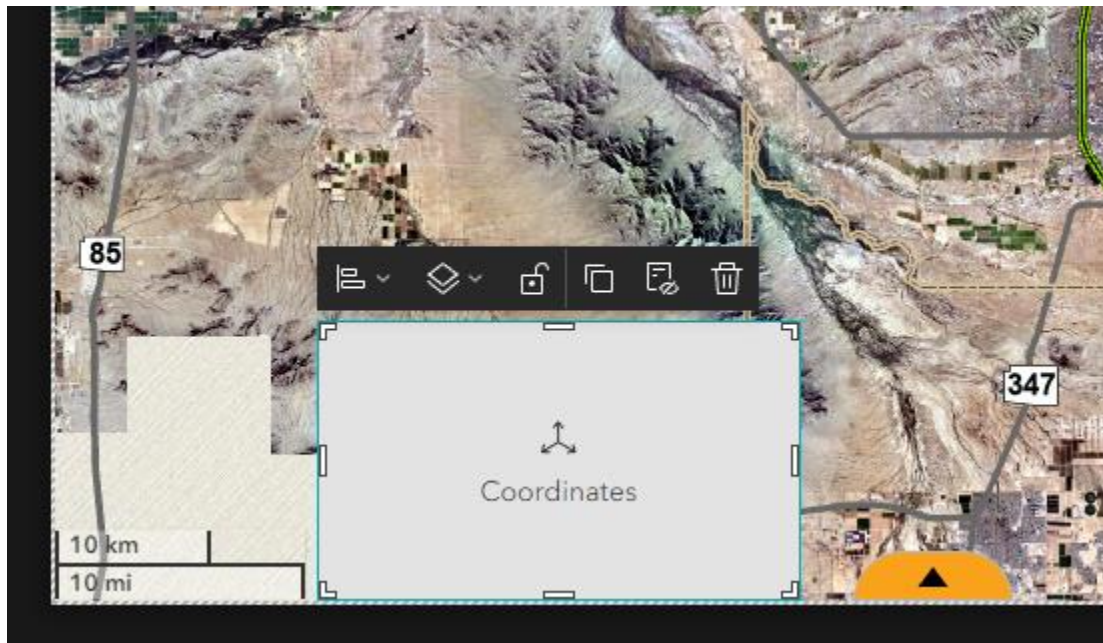
© 2023 Maricopa County

Add the Coordinates Widget

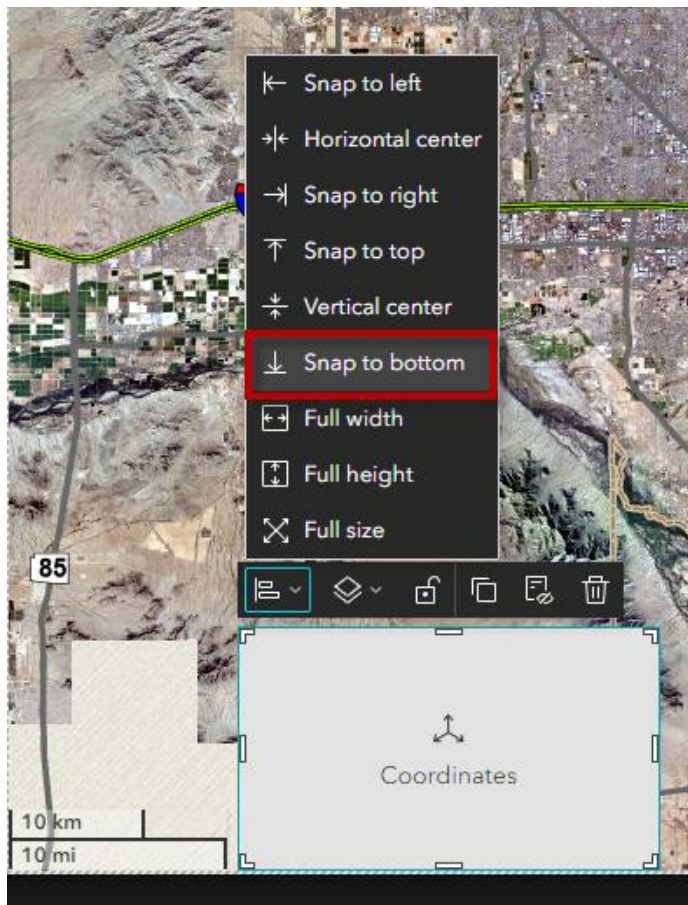
Open the Insert Page.

Drag the Coordinates Widget to the bottom of the page next to the Scale Bar Widget

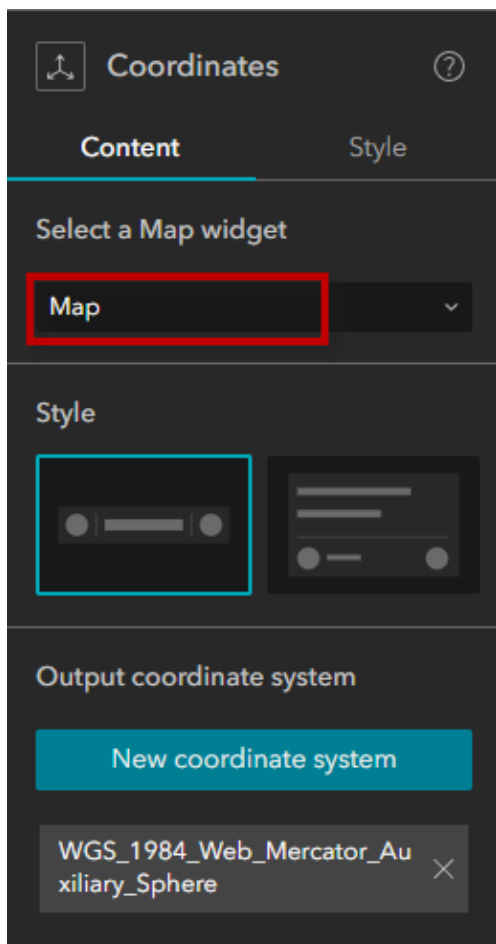
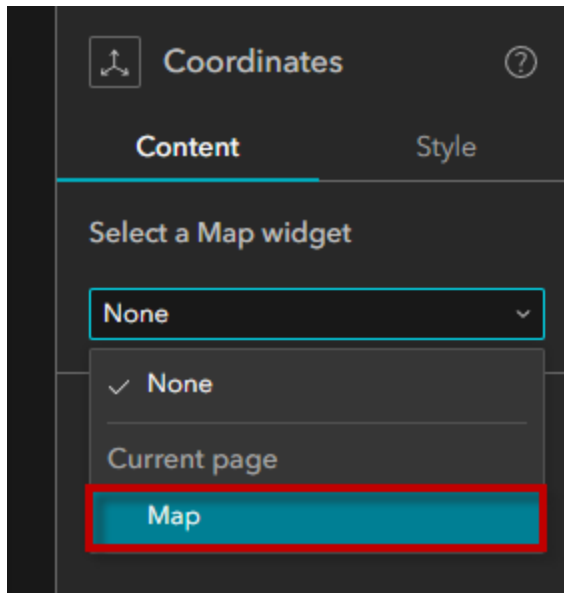




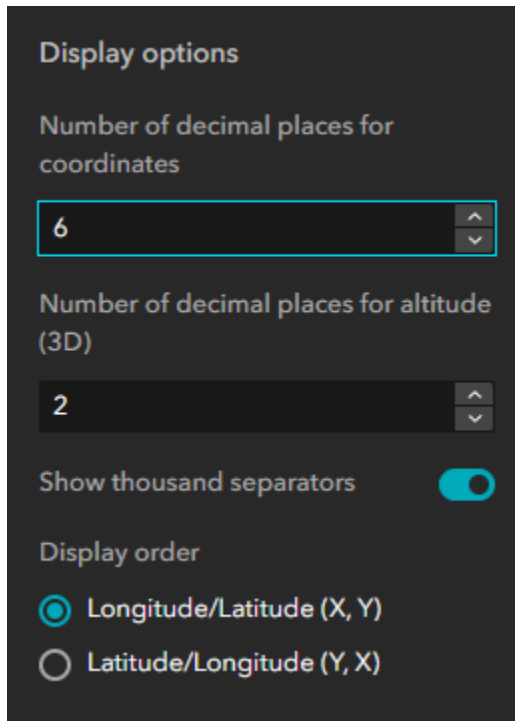
Align = Snap to Bottom



Select a Map Widget = **Map**

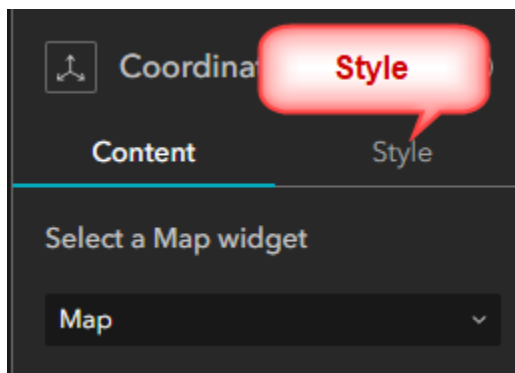


Set number of decimal places for coordinates = 6



The screenshot shows a dark-themed settings panel titled "Display options". It contains two numeric input fields with up/down arrows: "Number of decimal places for coordinates" is set to 6, and "Number of decimal places for altitude (3D)" is set to 2. Below these is a toggle switch for "Show thousand separators" which is turned on. At the bottom, there are two radio button options for "Display order": "Longitude/Latitude (X, Y)" is selected, and "Latitude/Longitude (Y, X)" is unselected.

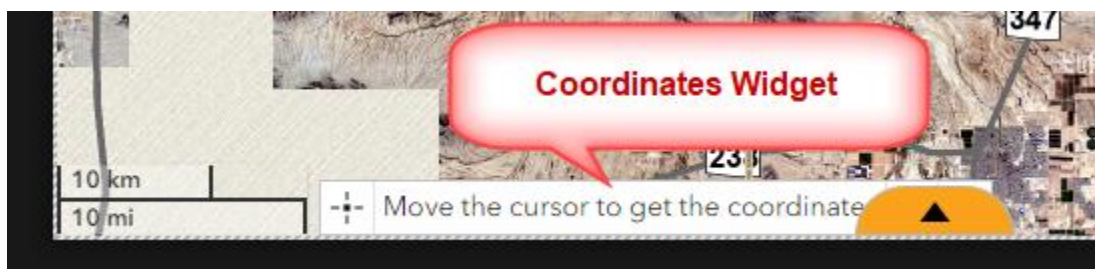
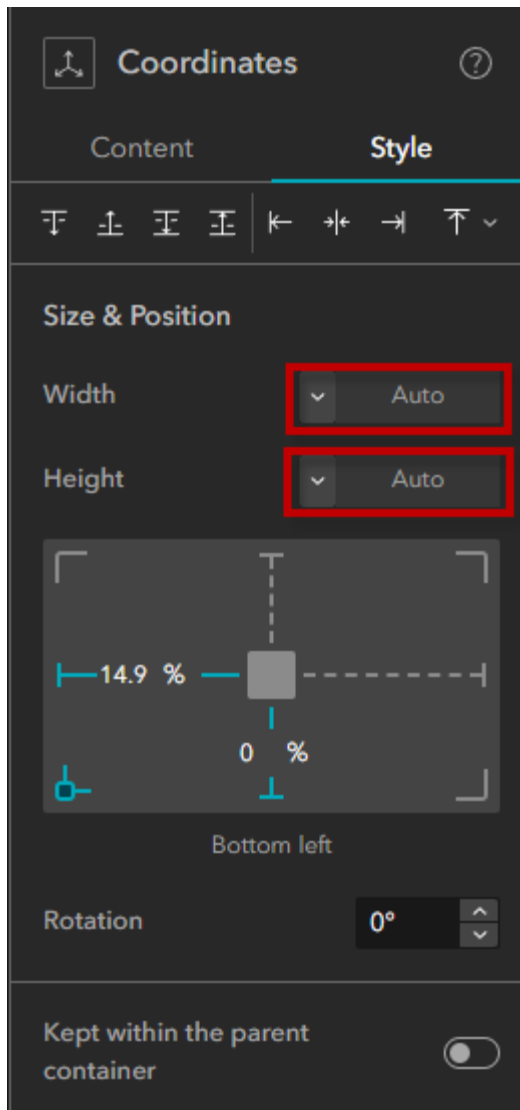
Open the Style Tab



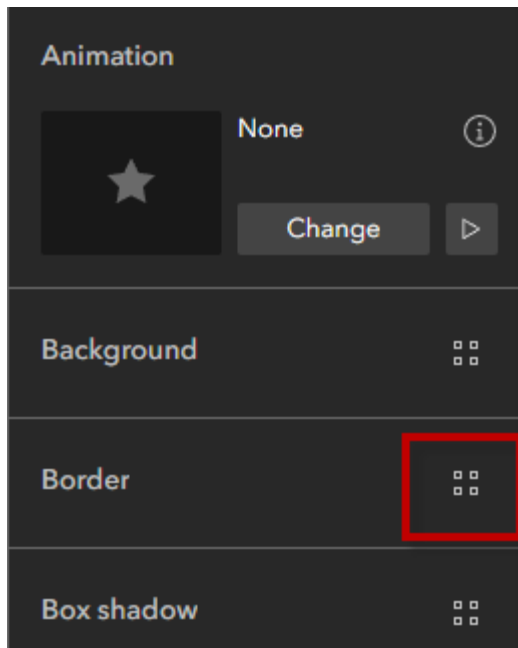
The screenshot shows a configuration panel for a "Coordinates" widget. At the top, there are two tabs: "Content" and "Style". The "Style" tab is highlighted with a red speech bubble containing the word "Style". Below the tabs, there is a section titled "Select a Map widget" with a dropdown menu currently showing "Map".

Width = Auto

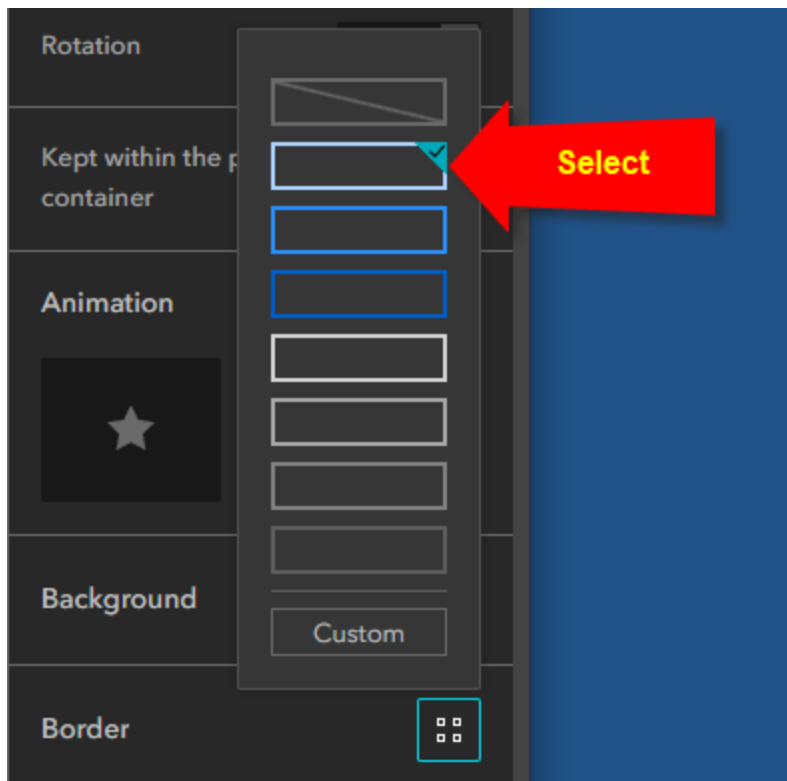
Height = Auto



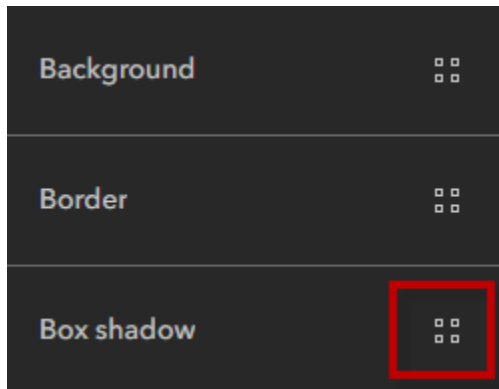
Select a Border



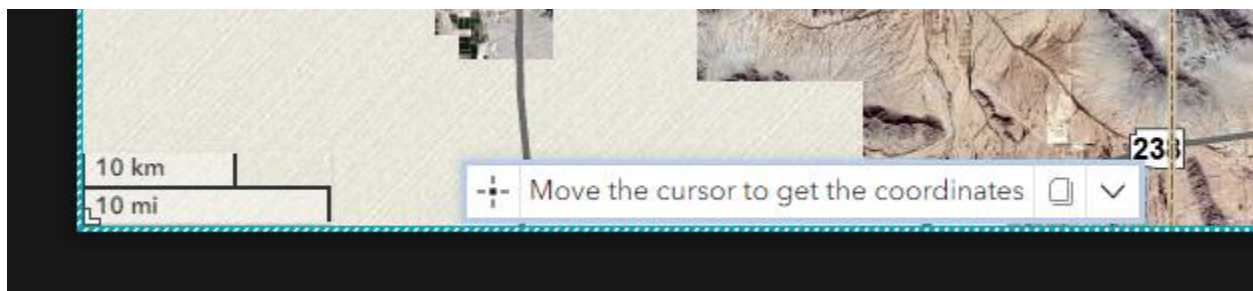
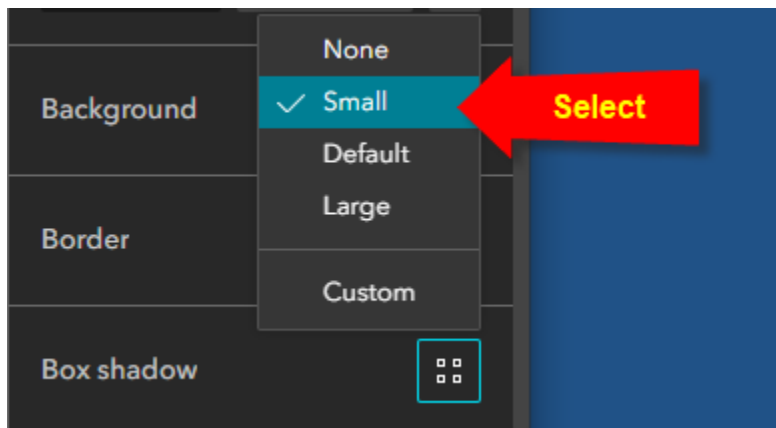
Select the 2nd border from the top.



Select a Box Shadow

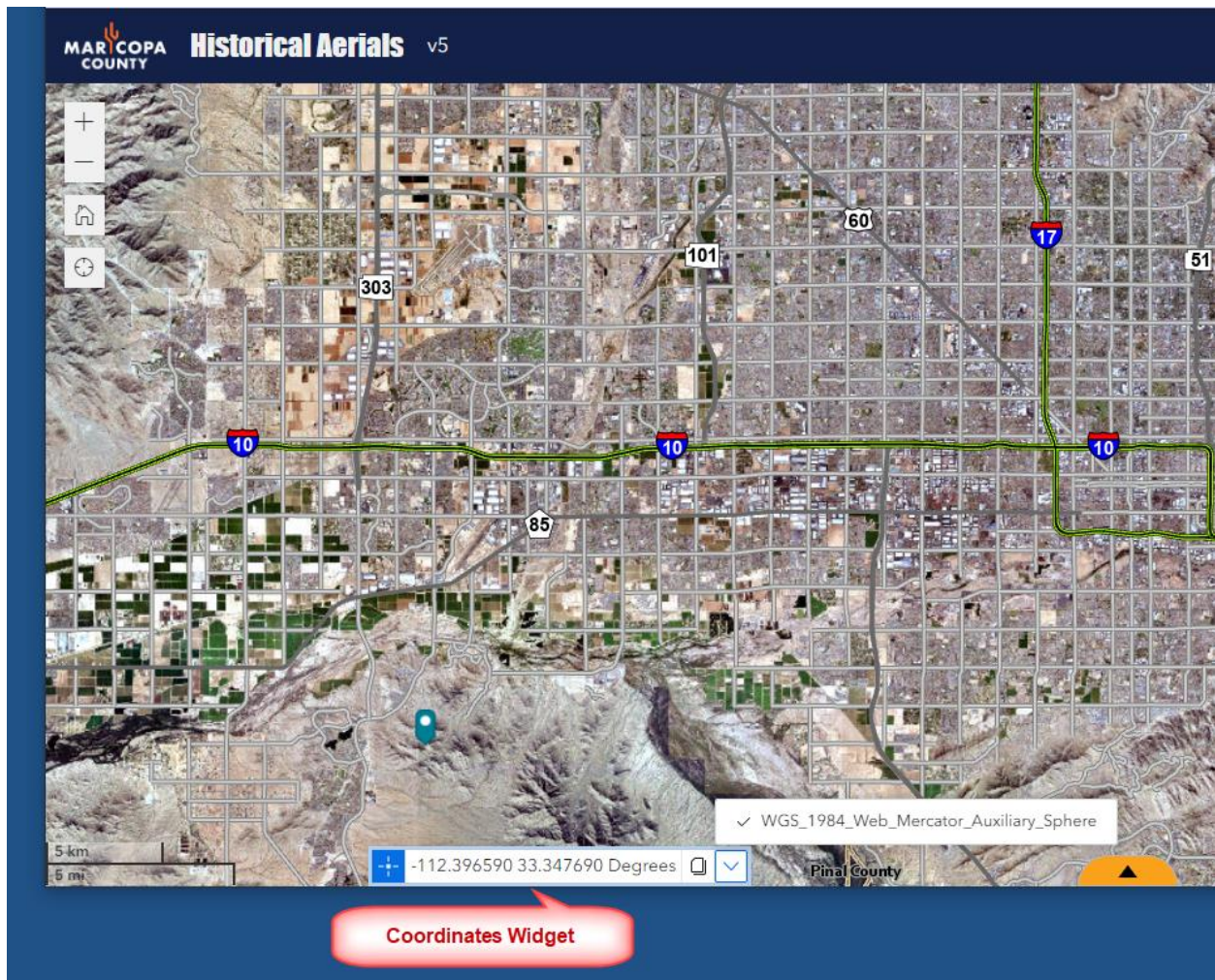


Select **Small**



Save, Publish, View Published Item

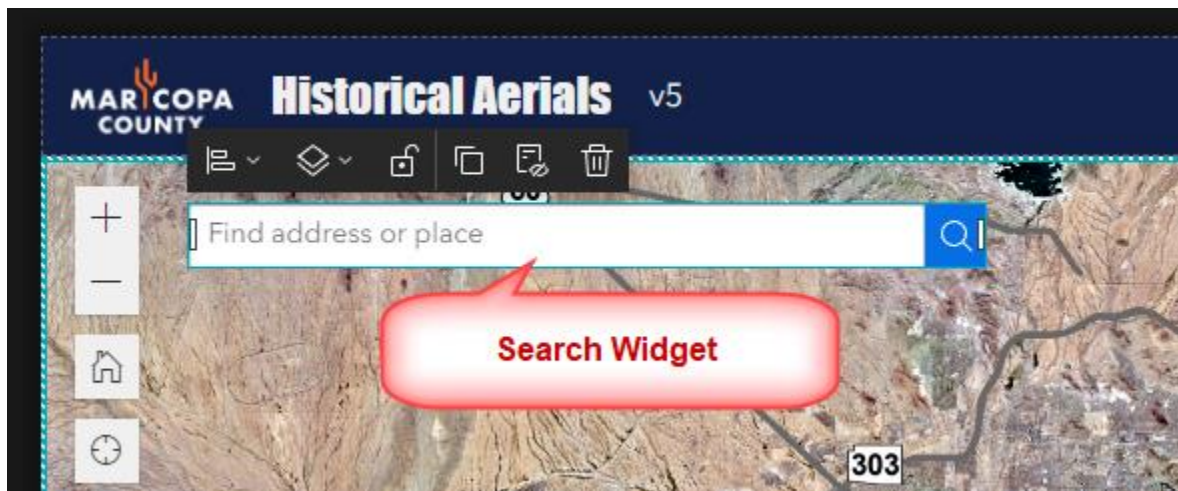
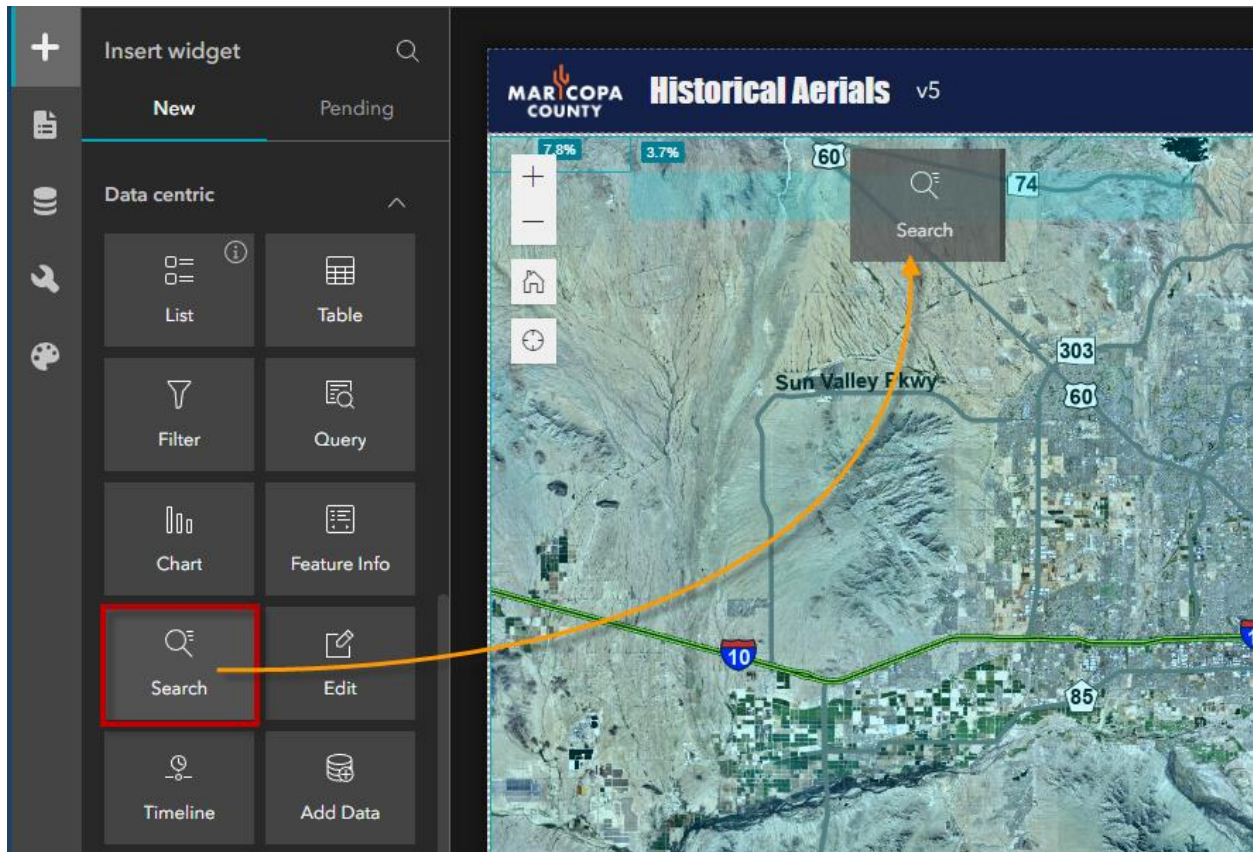
<https://localhost:3001/experience/4/>



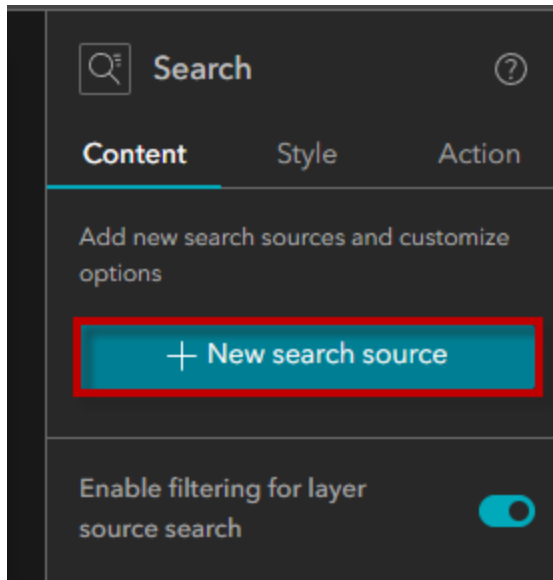
Add the Search Widget

Open the Insert Widget Tab.

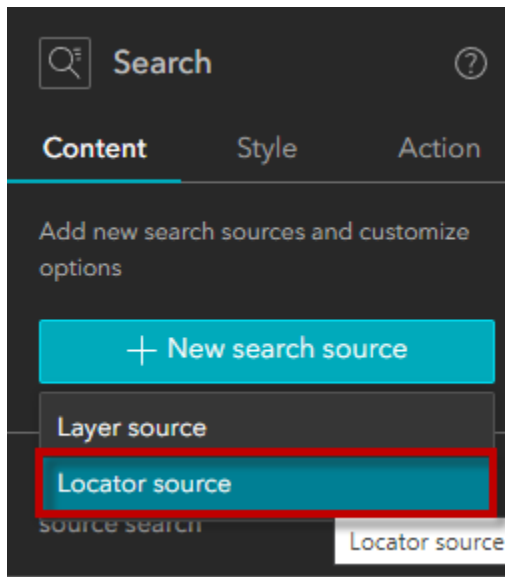
Drag the Search Widget to the top left of the Map.



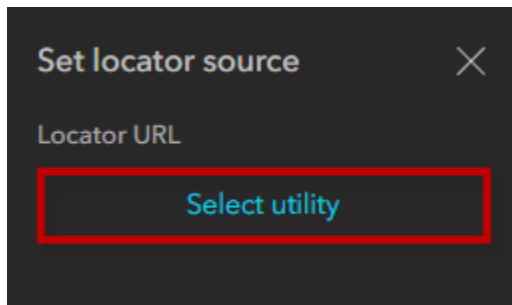
Add New Search Source



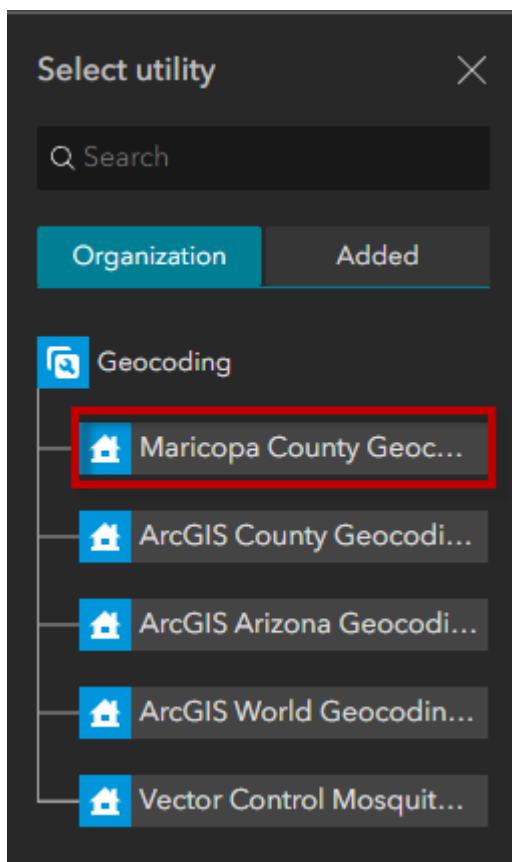
Select Locator Source



Select Utility



Select Maricopa County Geocoder



This is the URL for the Maricopa County Geocoder:


<https://gis.maricopa.gov/arcgis/rest/services/Geocode/MaricopaCountyGeocodeService/GeocodeServer>

You can add this as a Utility.

Label = Maricopa County Geocoder

Set locator source

Locator URL

 Maricopa County Geocode Service

Label

Maricopa County Geocoder

Icon

Select icon

Search options

Display fields

1 Selected

ABC

Default Address

Hint

301 W Jefferson St 85003

Search

Content

Style

Action

Add new search sources and customize options

+ New search source

Maricopa County Geocode Service

Enable filtering for layer source search

General search options

Hint for multiple search sources

Find address or place

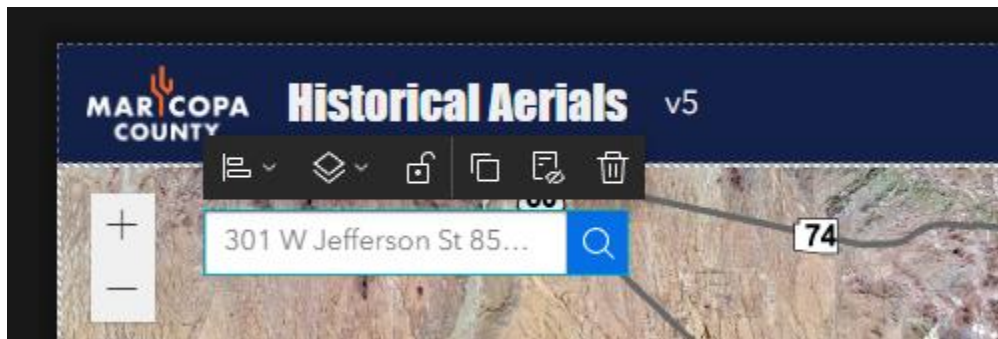
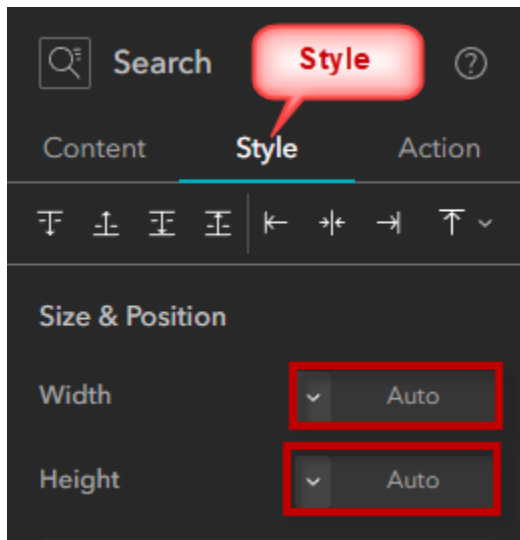
Search suggestion

Search result

Open the **Style** Tab

Width = Auto

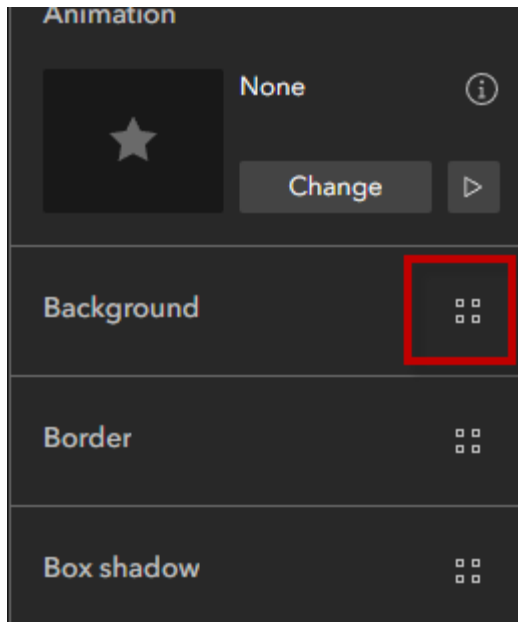
Height = Auto



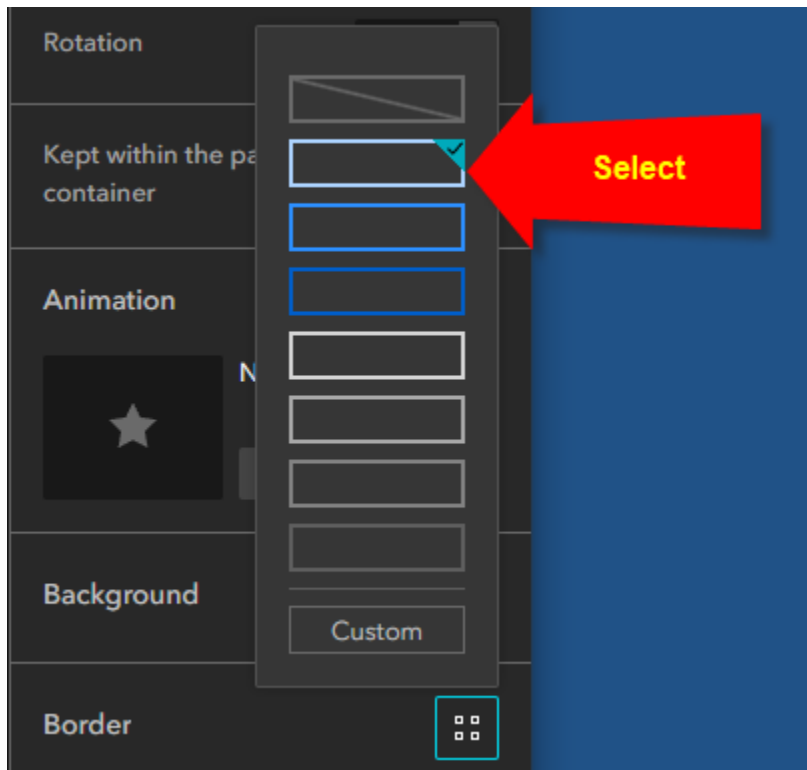
Align = Snap to Top



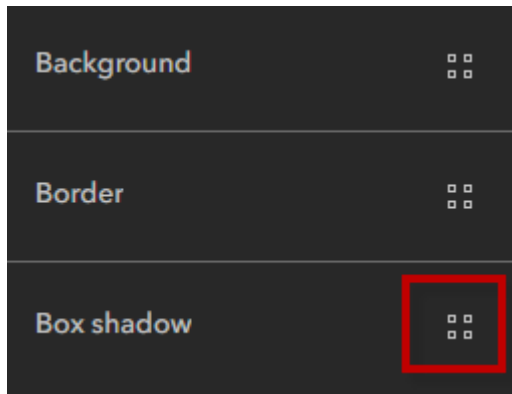
Select a Border



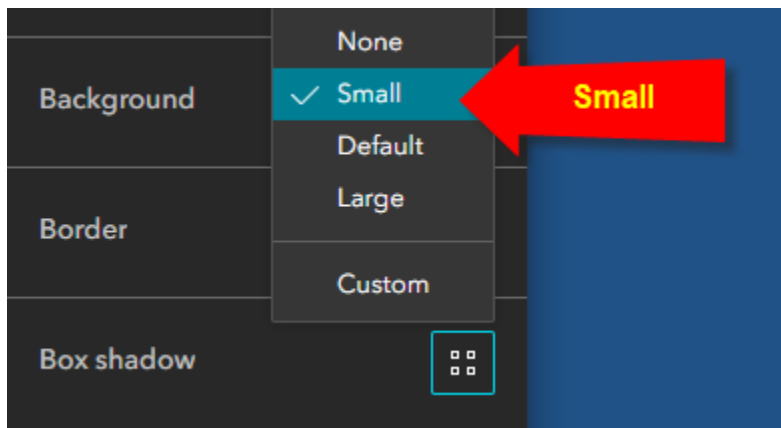
Select the 2nd option from the top.



Select a Box Shadow



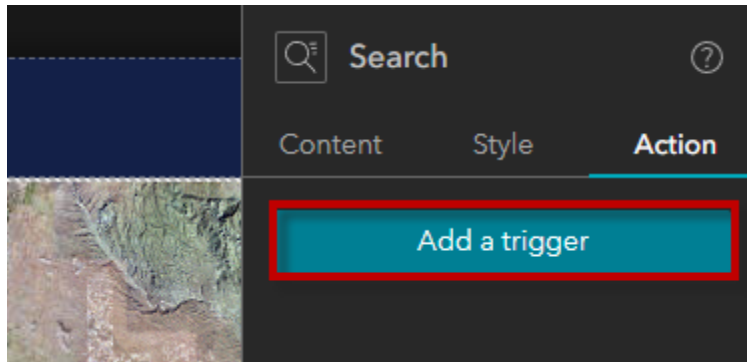
Select Small



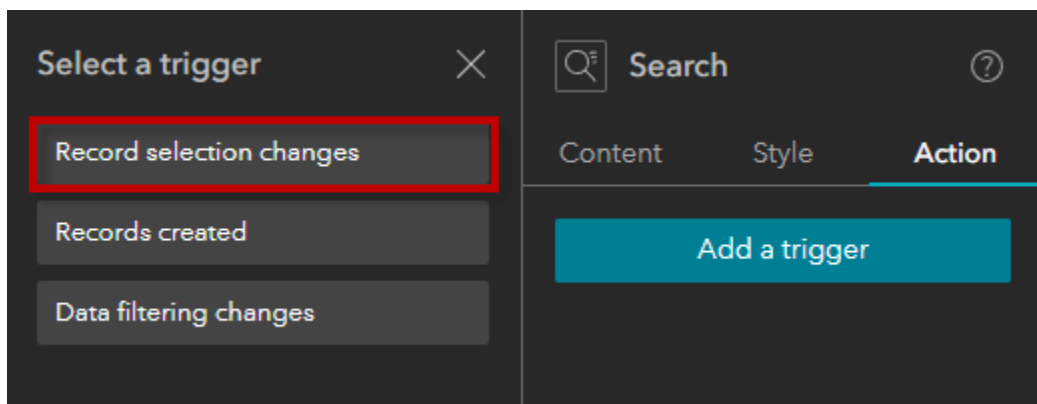
Add Action to the Search Widget

Open the Action Tab

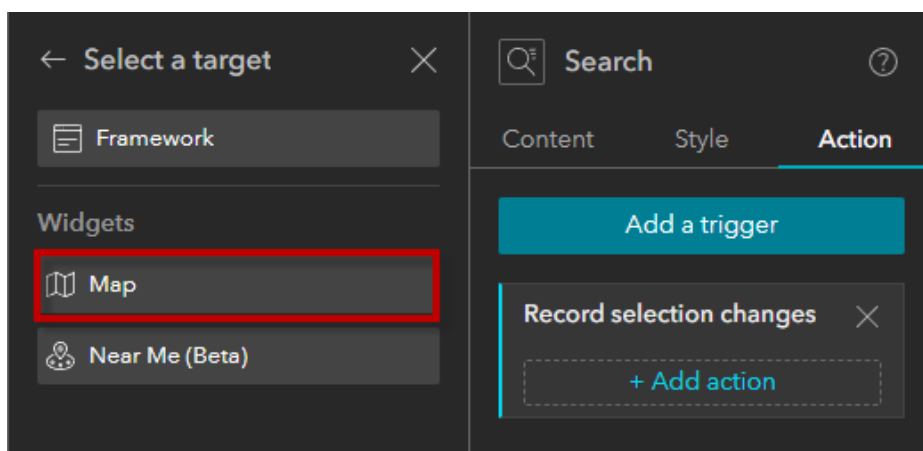
Add a Trigger.



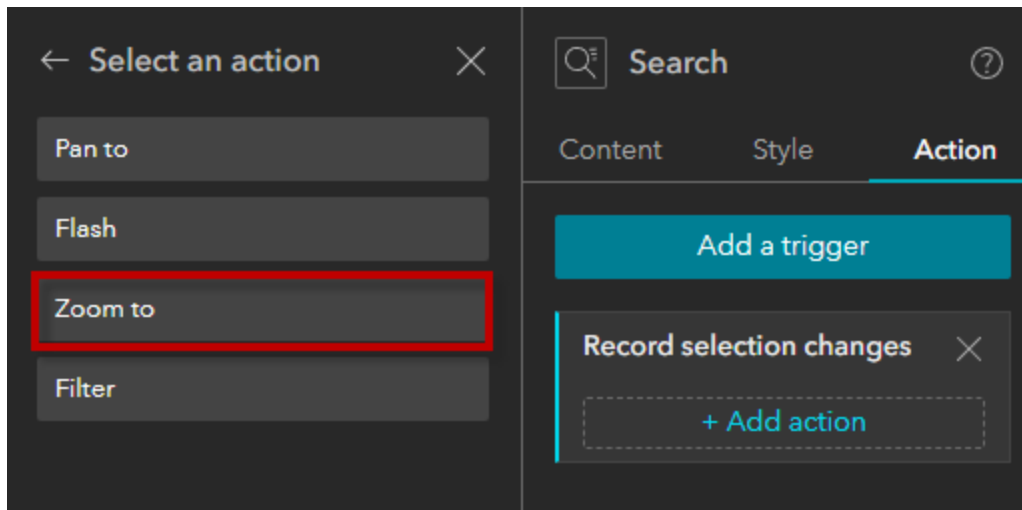
Record selection changes



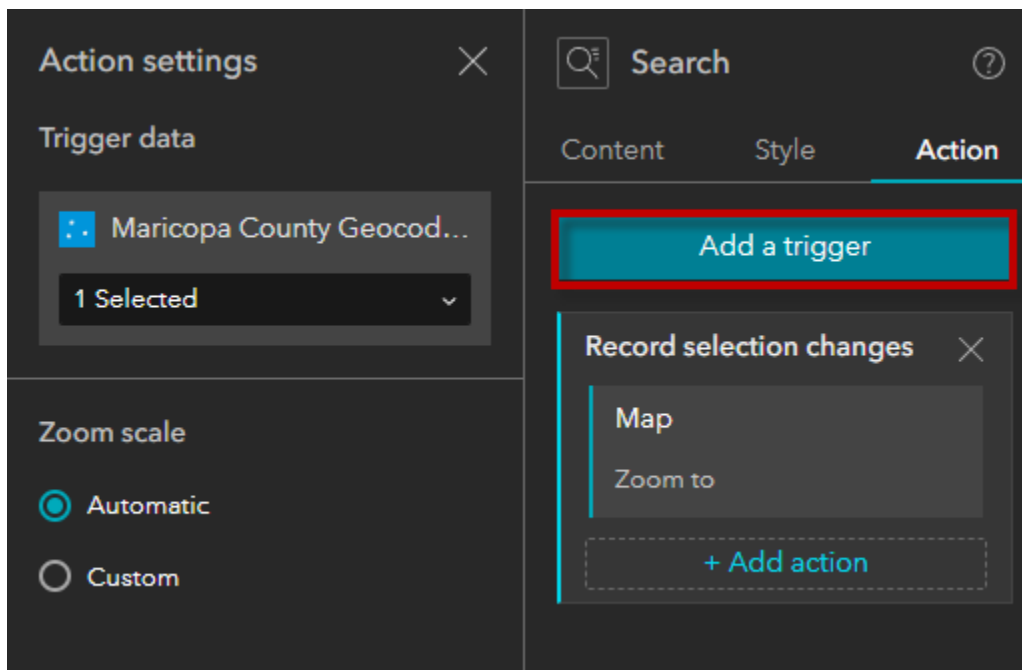
Map



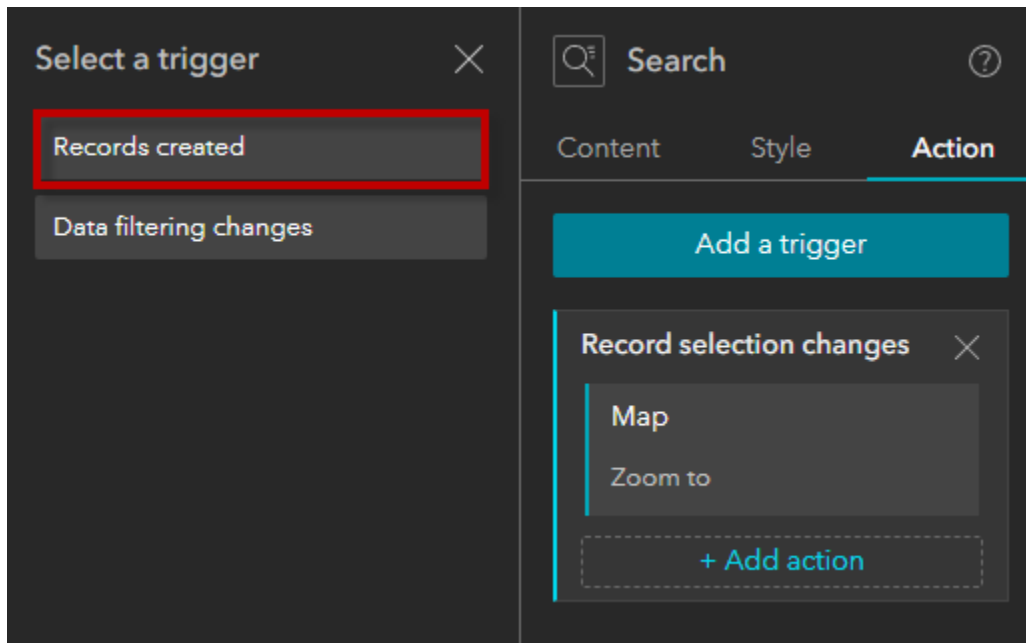
Zoom to



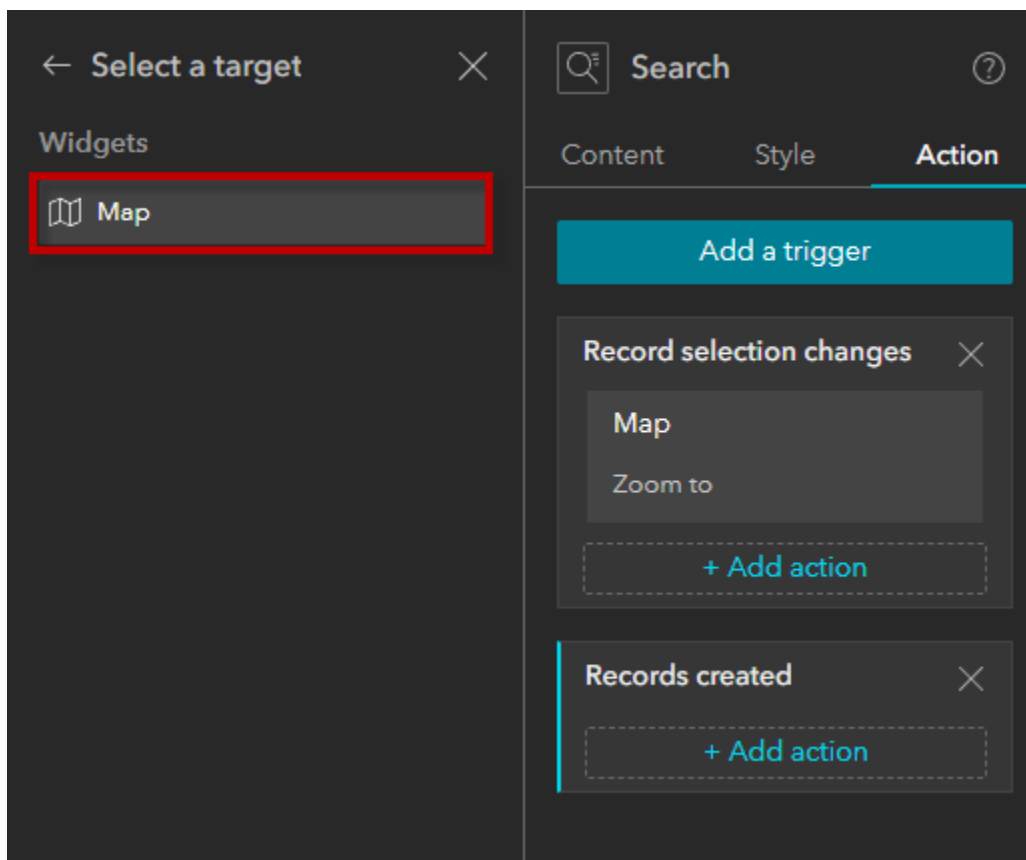
Add a Trigger



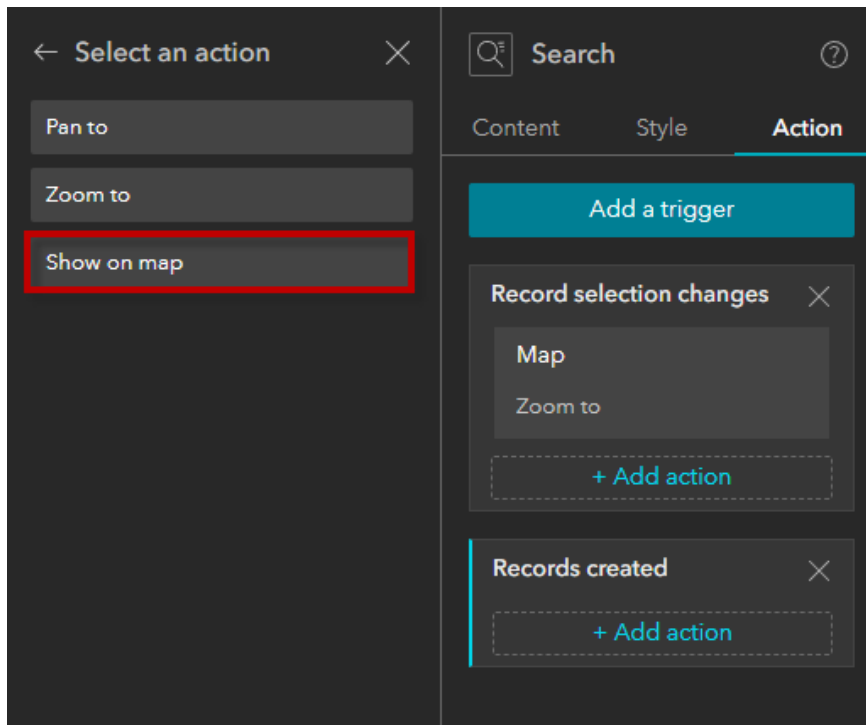
Records created



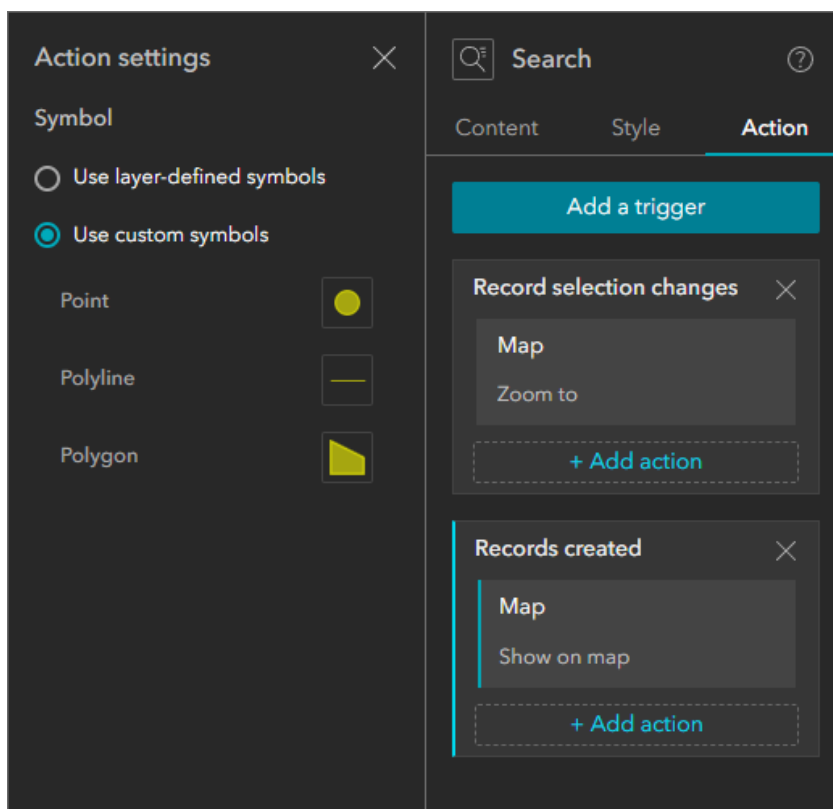
Map

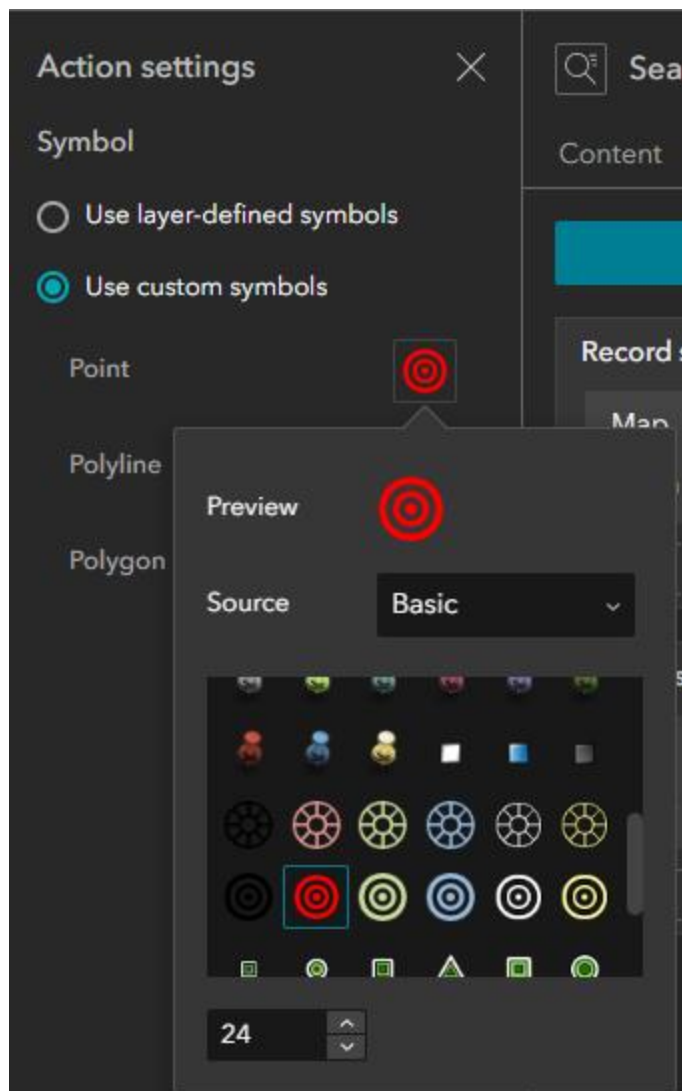


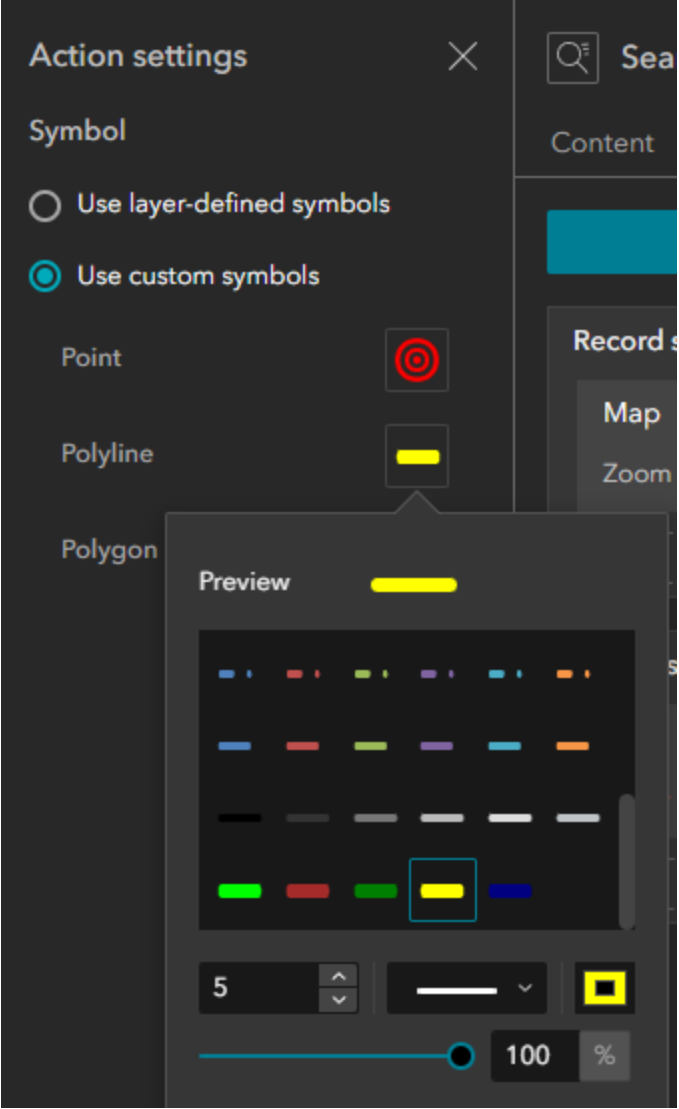
Show on Map

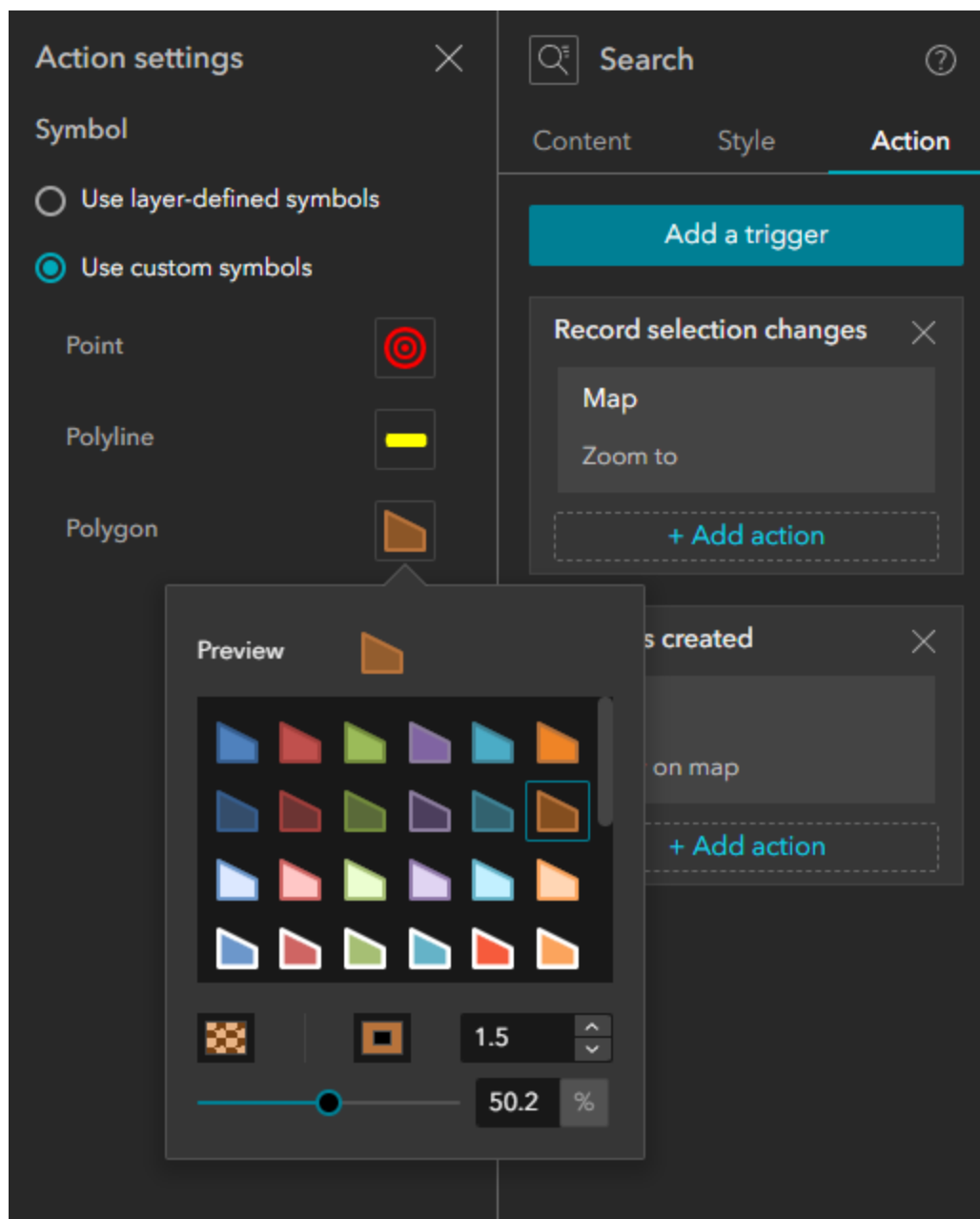


Change the default Point, Polyline and Polygon symbols.



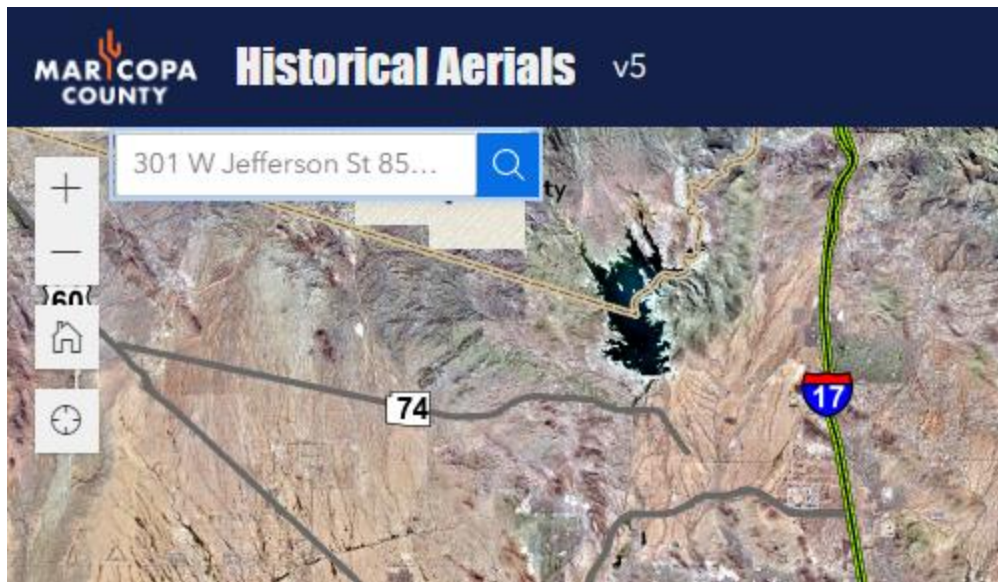







Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>



Try out the example searches in the User Guide:

https://daviddas2.github.io/HistoricalAerials/help/search_tool.htm



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Swipe Widget

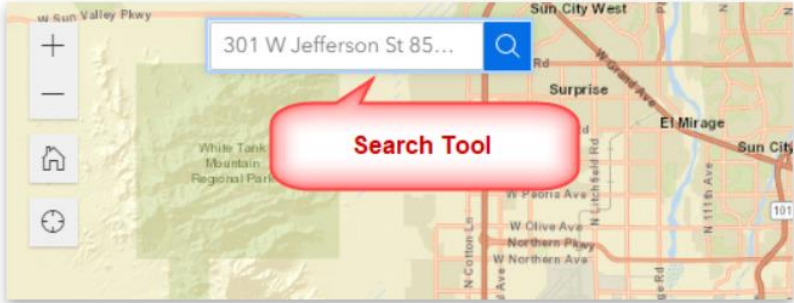
Google Maps Widget

Pictometry Widget

Print Widget

Search Tool

The **Search Tool** is located on the upper left corner of the map.



You can enter any valid Street Address with a House Number in Maricopa County.

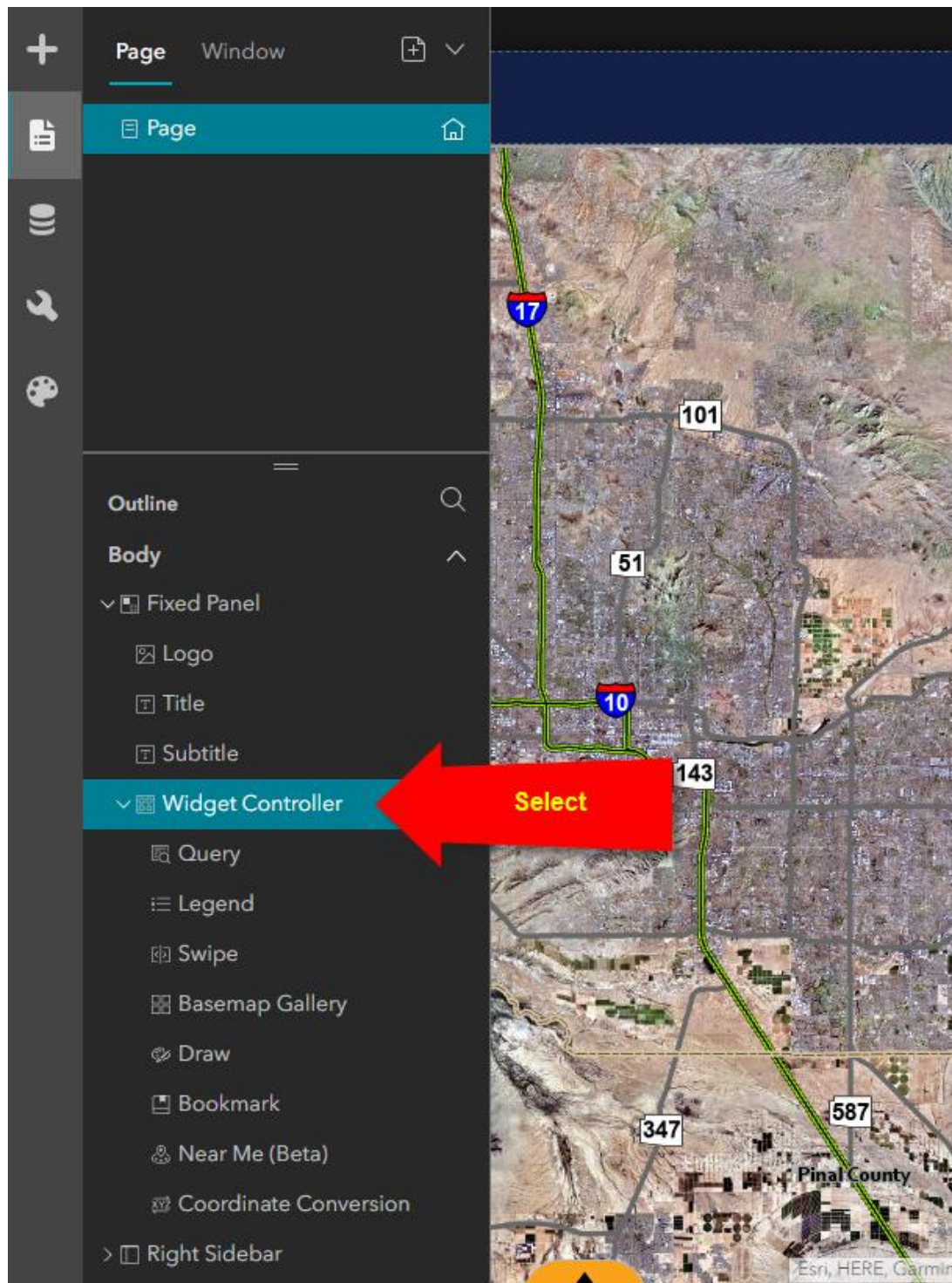
Example:

301 W JEFFERSON ST

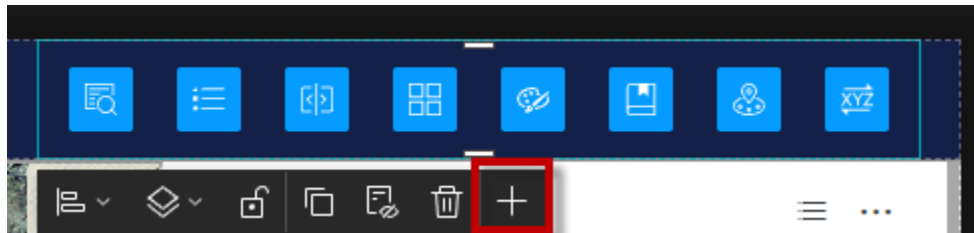
Note: The case does not matter. Including the Zip code is optional.

Add the Print Widget

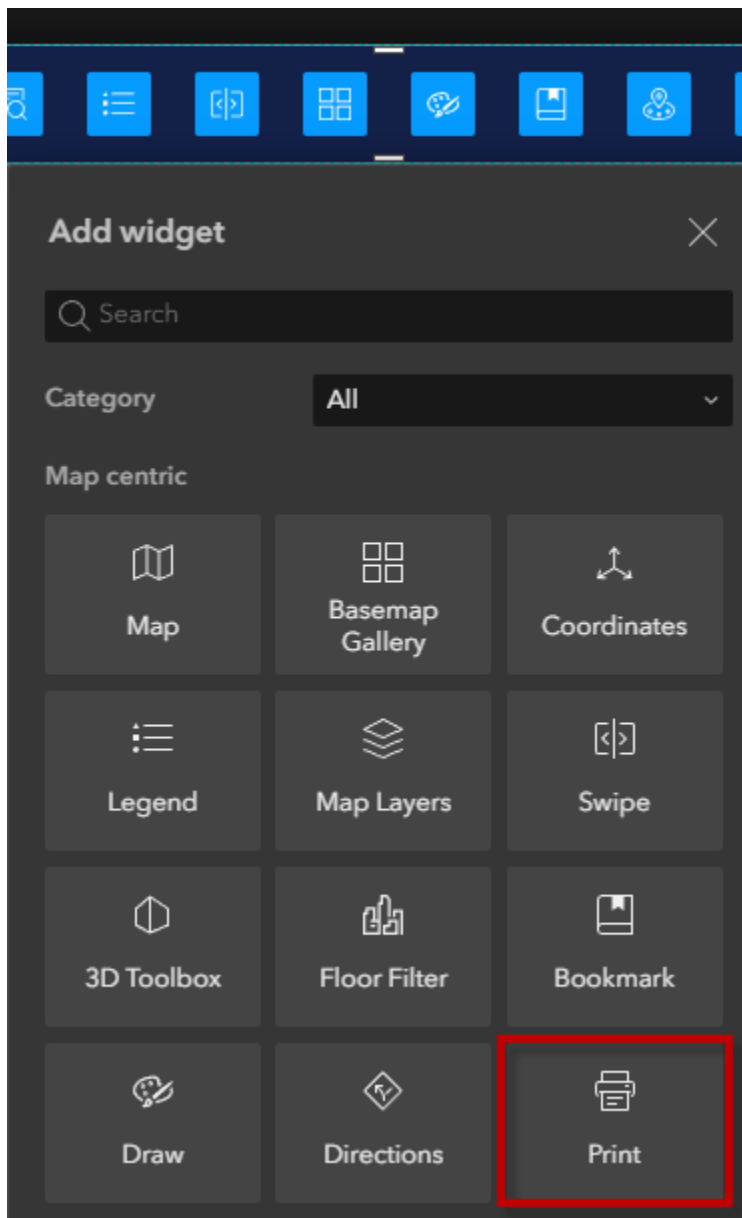
Select the Widget Controller from the Page Outline.



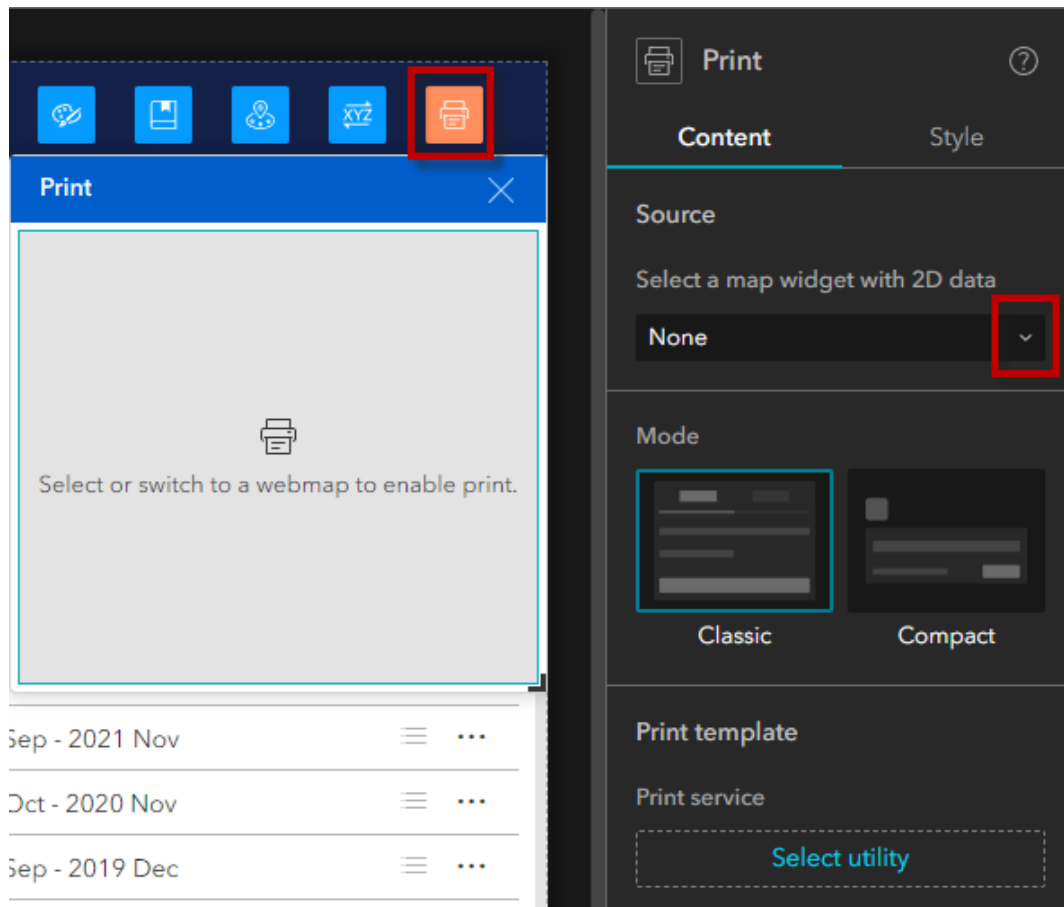
Click on the Add Widget Tool.



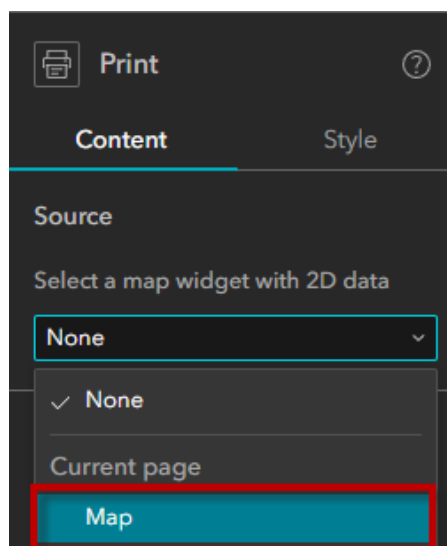
Add the Print Widget.



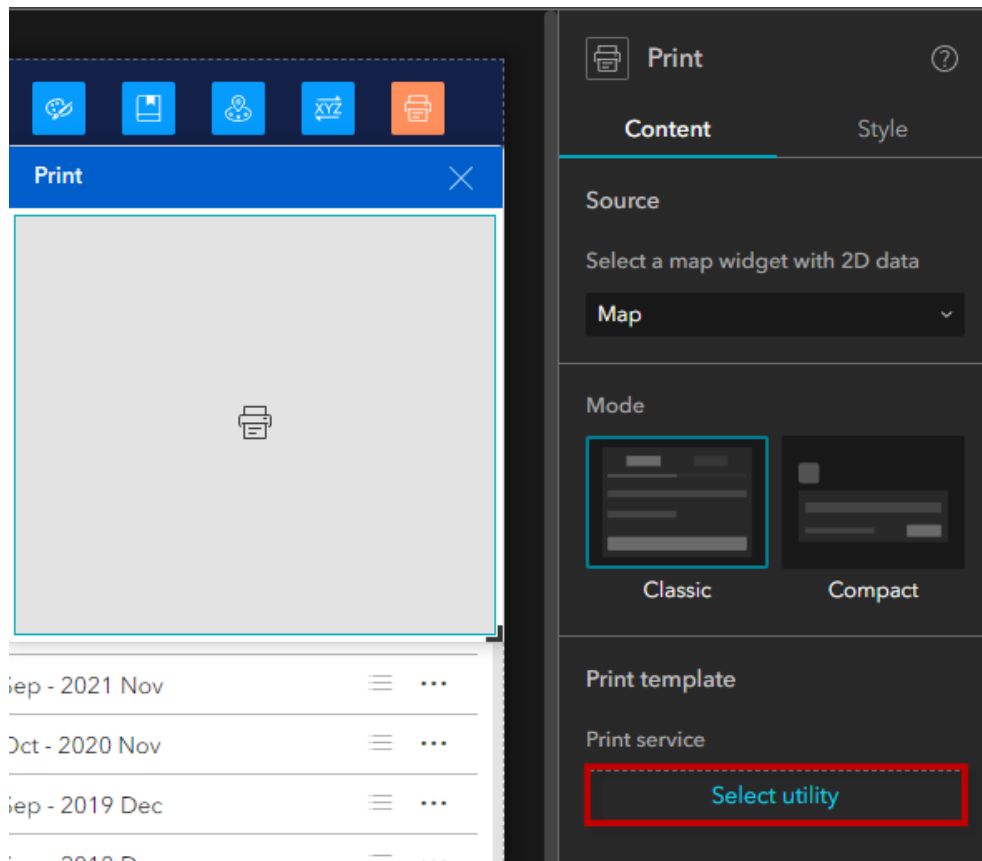
Select the Print Widget.



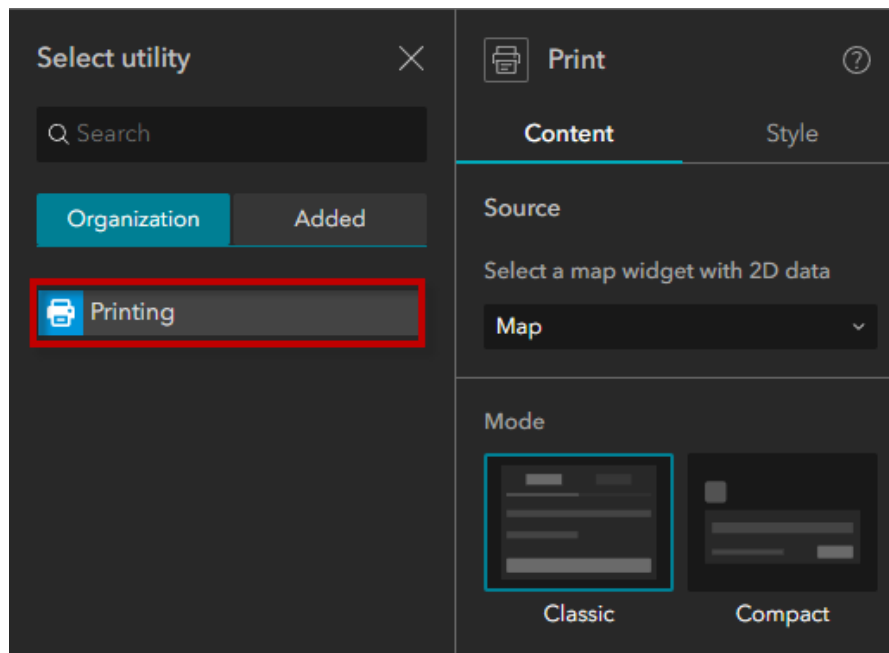
Select a map with 2D data = Map

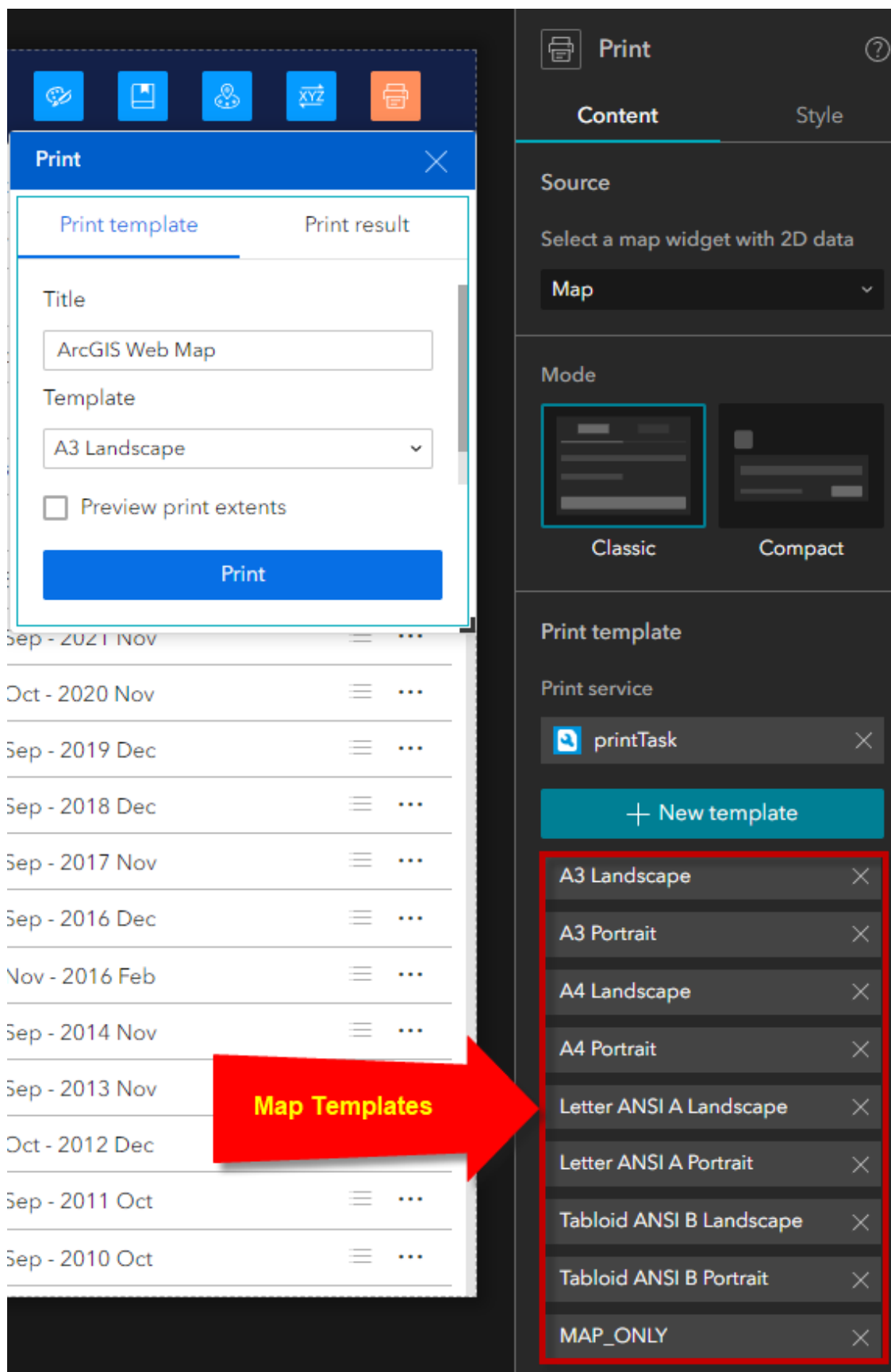


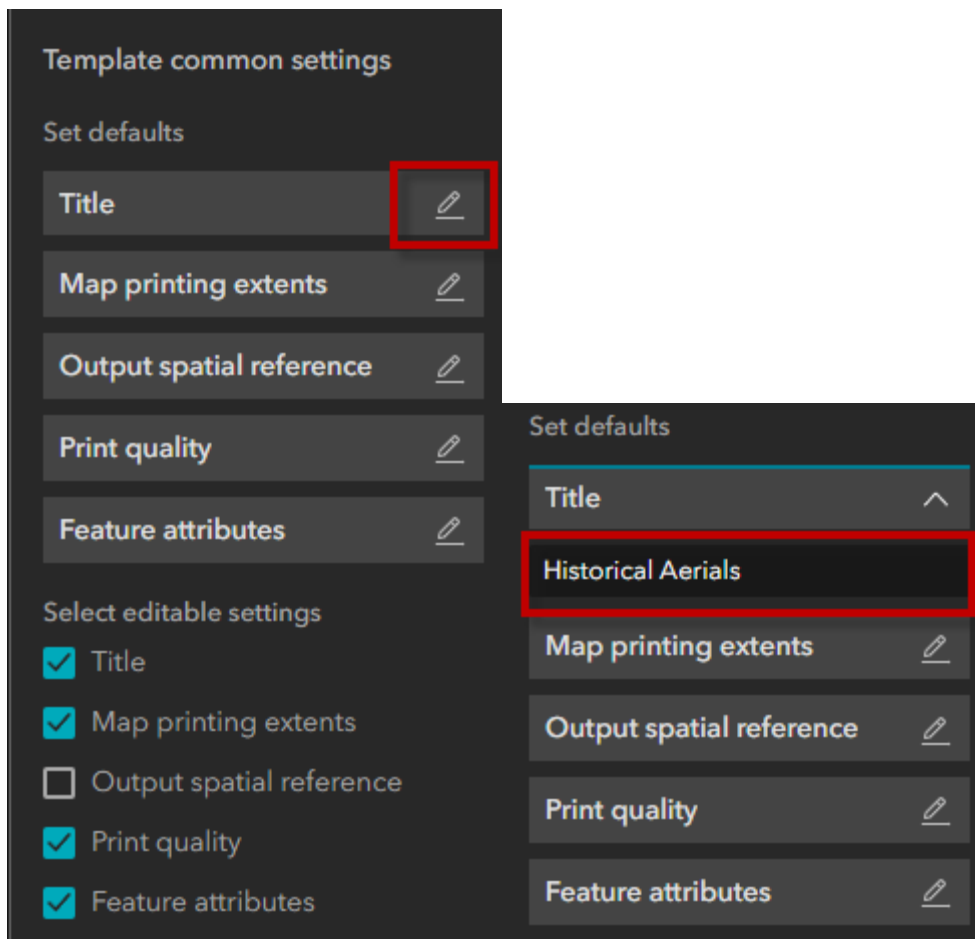
Select Utility



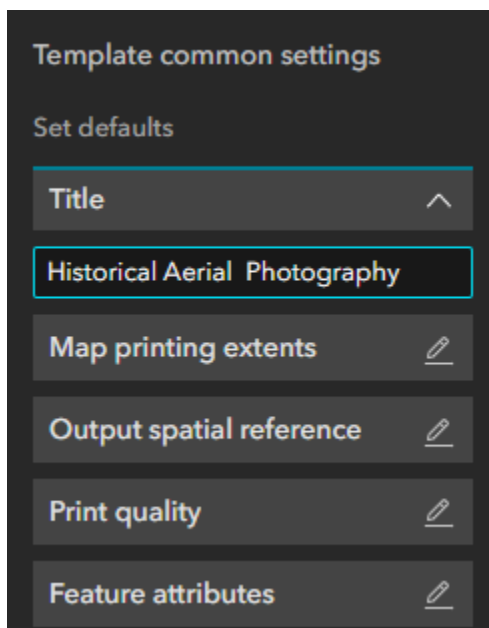
Select Printing





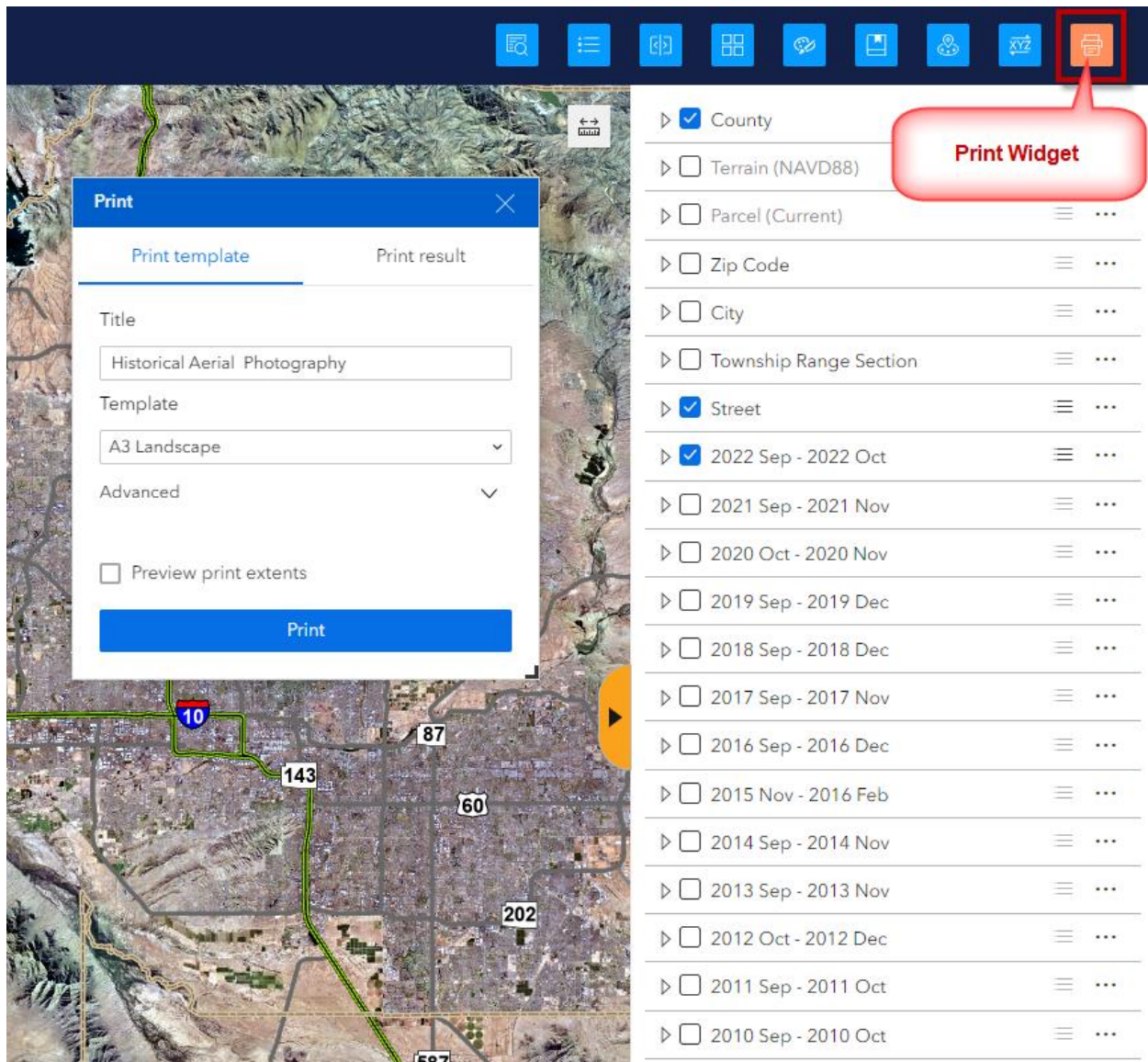


Set the default Map Title = Historical Aerial Photography



Save, Publish, View Published Item.

<https://localhost:3001/experience/4/>



Follow the steps in the User Guide to create your own PDF Map.

https://daviddas2.github.io/HistoricalAerials/help/print_widget.htm

The screenshot displays the 'Historical Aerial Photography Web Application User Guide' interface. On the left is a navigation menu with categories like Overview, Navigation Tools, Query Widget, and Print Widget. The 'Print Widget' section is highlighted. The main content area, titled 'Print Widget', provides instructions on how to use the search tool to zoom to a specific area of interest. It includes an example parcel number '302-30-091' and a screenshot of the application's search interface. This interface shows a map with a search bar containing '302-30-091' and a red arrow pointing to the 'Select' button. Below this, instructions state to 'Turn off the 2022 Aerials' and 'Turn on the 2017 Aerials'. A second screenshot shows the application's layer controls, where the '2022 Aerials' checkbox is unchecked and the '2017 Aerials' checkbox is checked.

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Print Widget

Zoom to your area of interest by entering a Street Address, Cross Street or Parcel Number in the Search Tool.

Example Parcel Number = **302-30-091**

MARICOPA COUNTY Historical Aerial Photography GIS Portal

302-30-091

302-30-091

Select

Turn off the 2022 Aerials.

Turn on the 2017 Aerials.

MARICOPA COUNTY Historical Aerial Photography GIS Portal

302-30-091

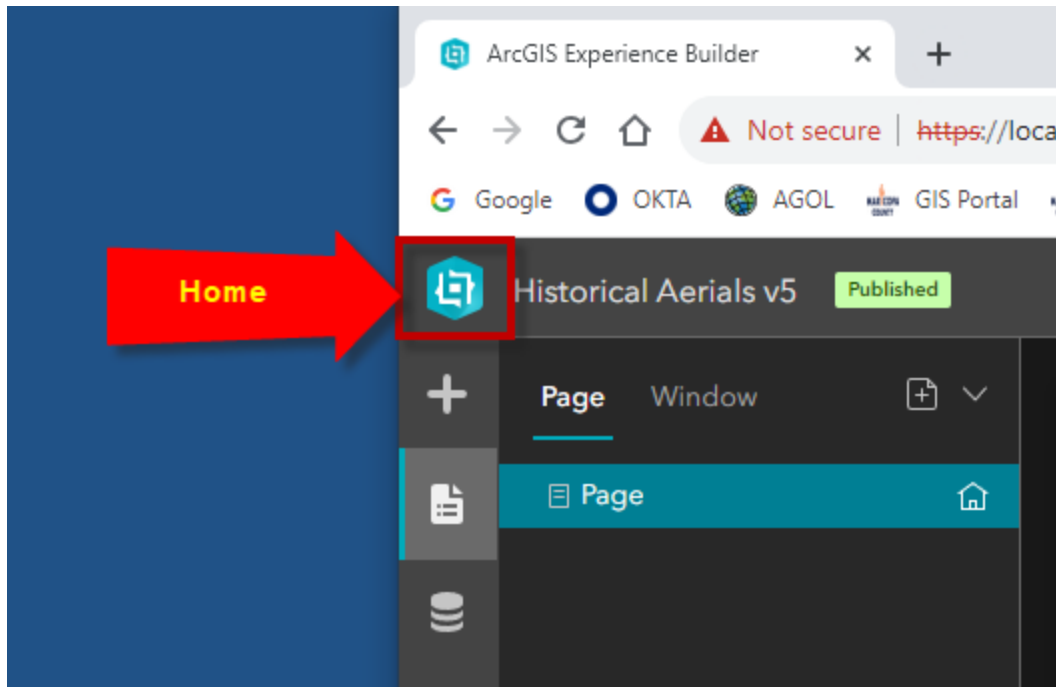
Search result

County

Terrain (NAVD88)

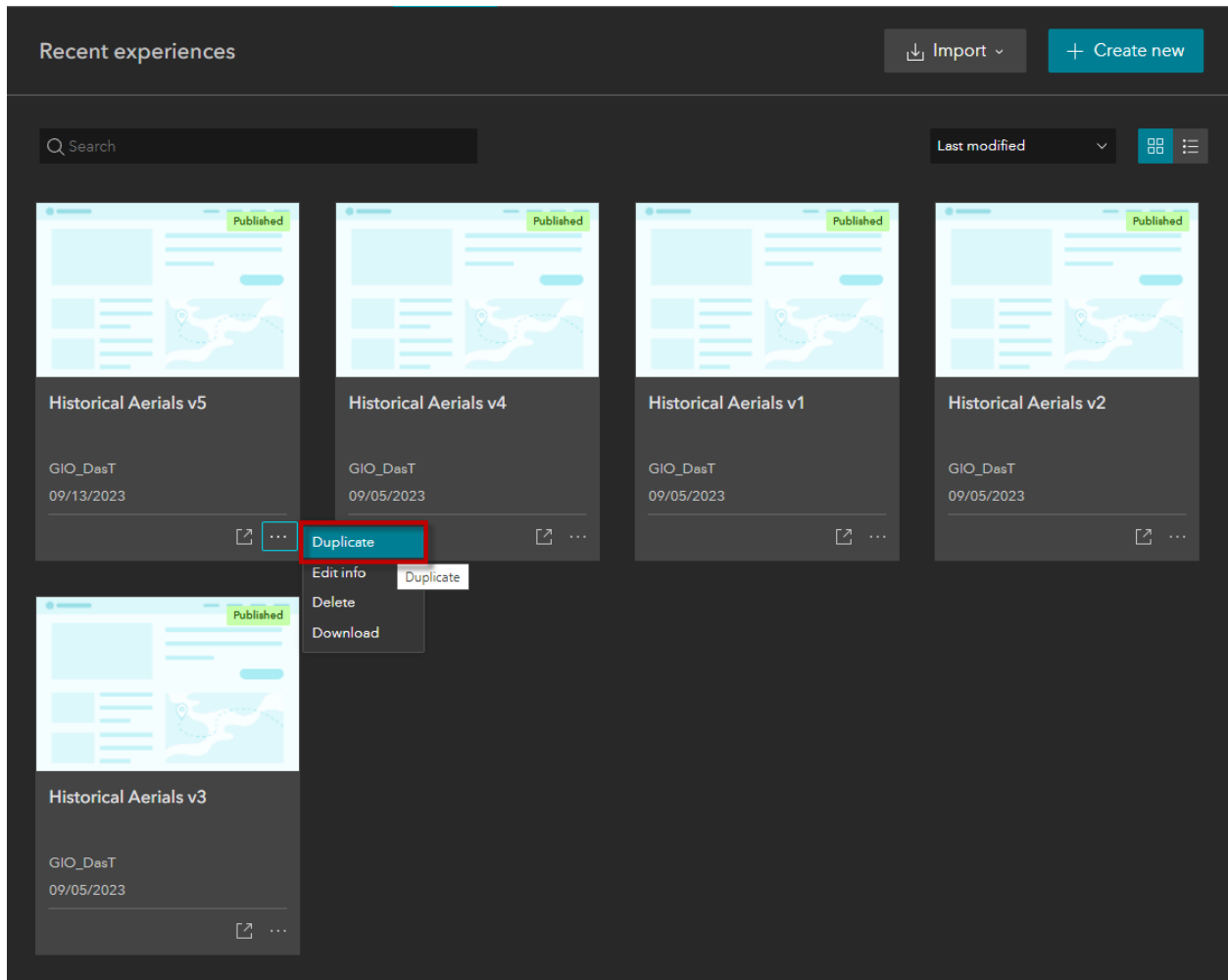
Parcel (Current)

Go back to the Home Page

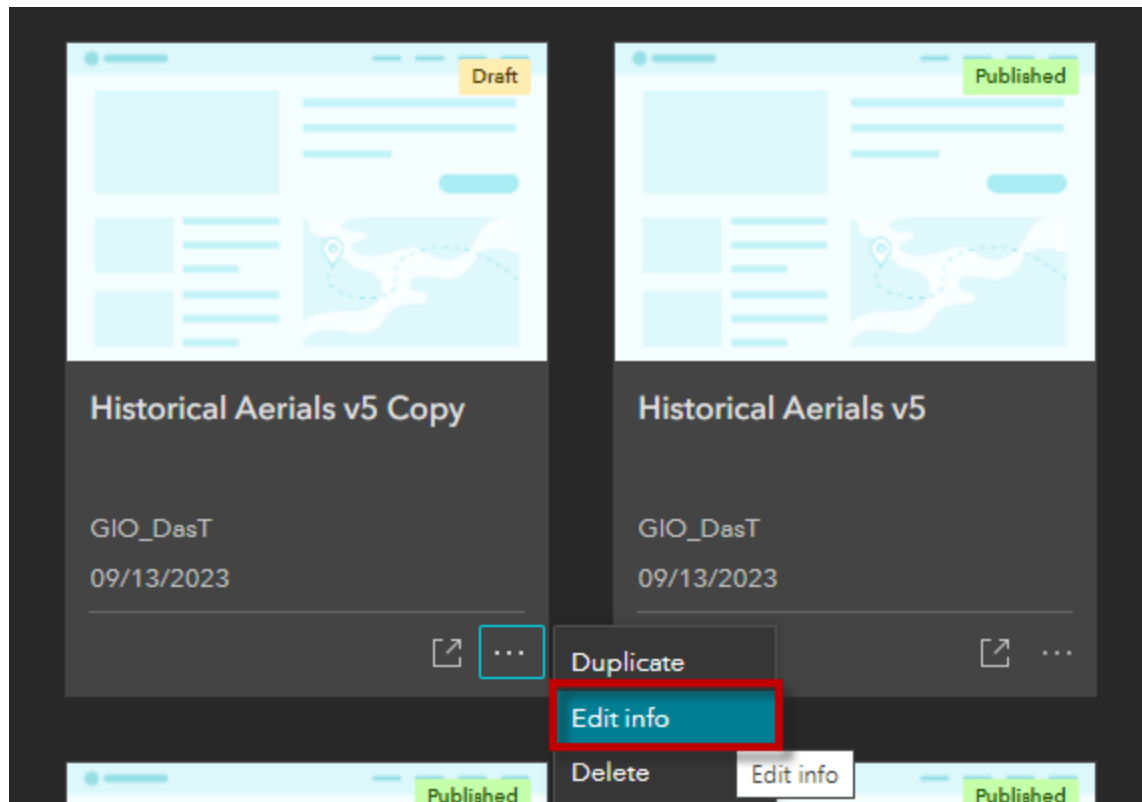


Create Historical Aerials v6

Duplicate Historical Aerials v5 to create Historical Aerials v6

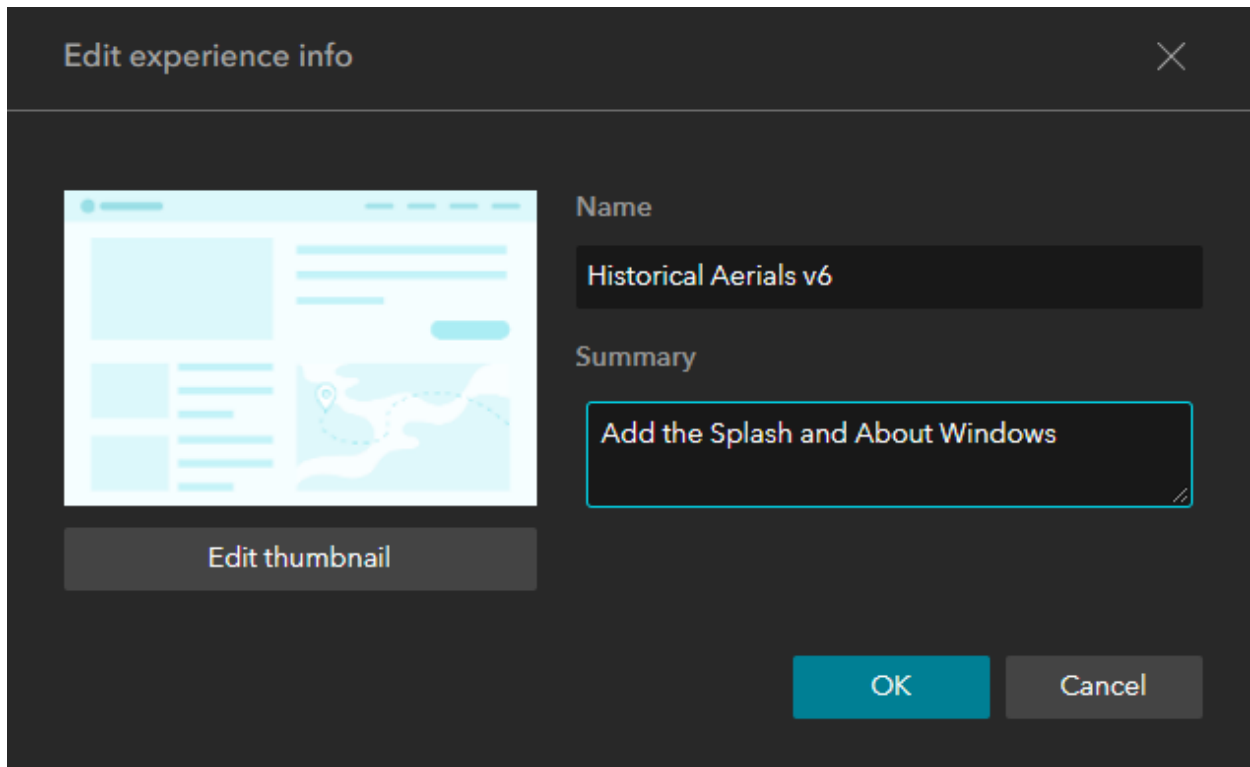


Edit Info



Name = Historical Aerials v6

Summary = Add the Splash and About Windows



The 'Edit experience info' dialog box is shown with a dark background. It features a thumbnail image on the left and two text input fields on the right. The 'Name' field contains 'Historical Aerials v6' and the 'Summary' field contains 'Add the Splash and About Windows'. Below the thumbnail is an 'Edit thumbnail' button. At the bottom right are 'OK' and 'Cancel' buttons.

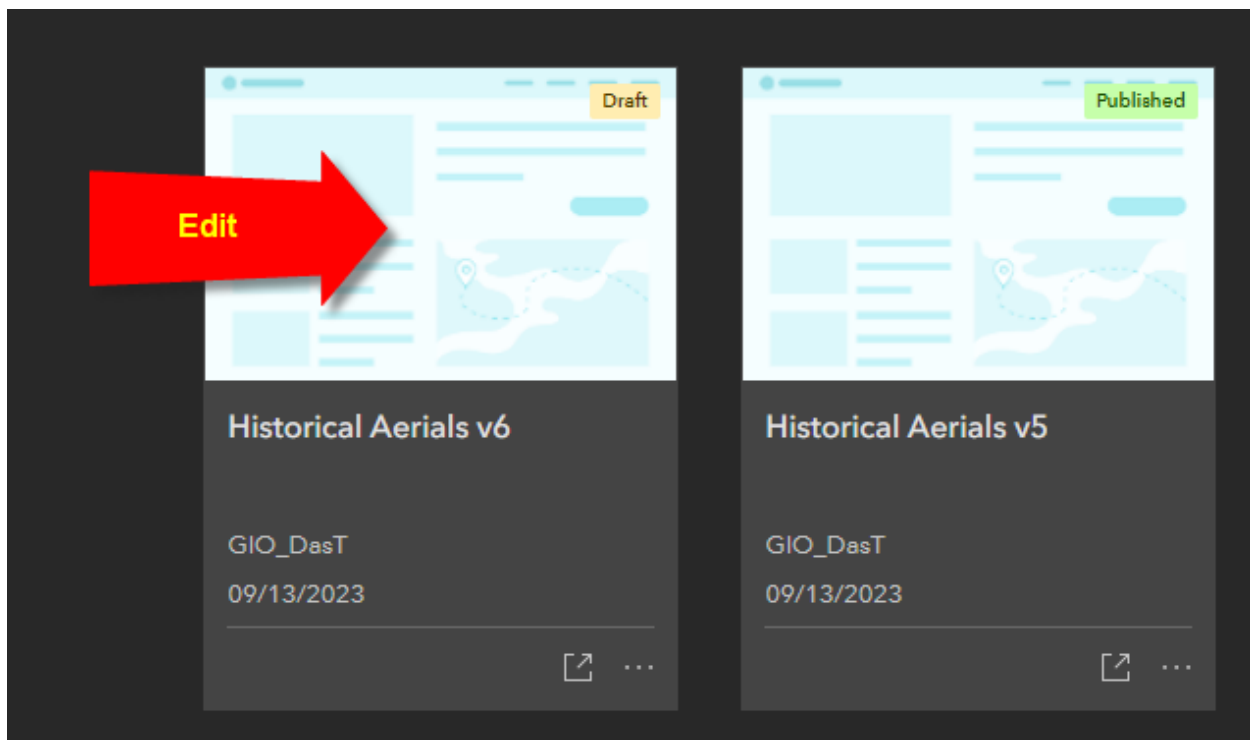
Edit experience info

Name
Historical Aerials v6

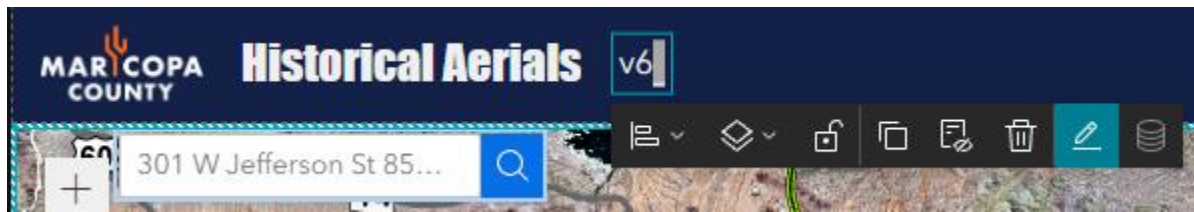
Summary
Add the Splash and About Windows

Edit thumbnail

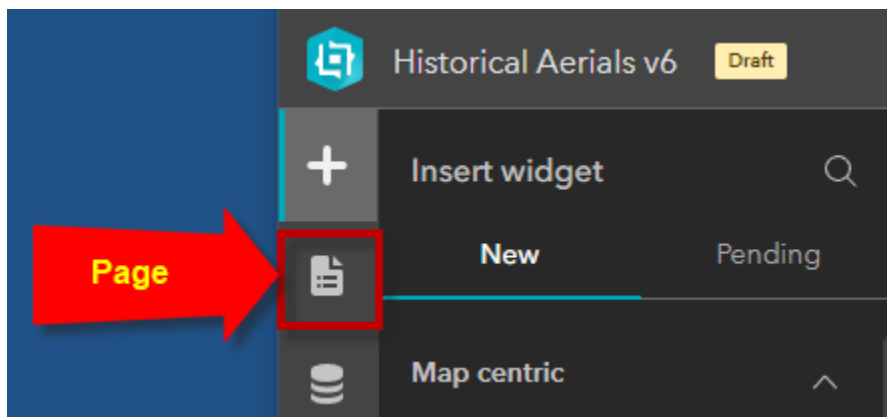
OK Cancel



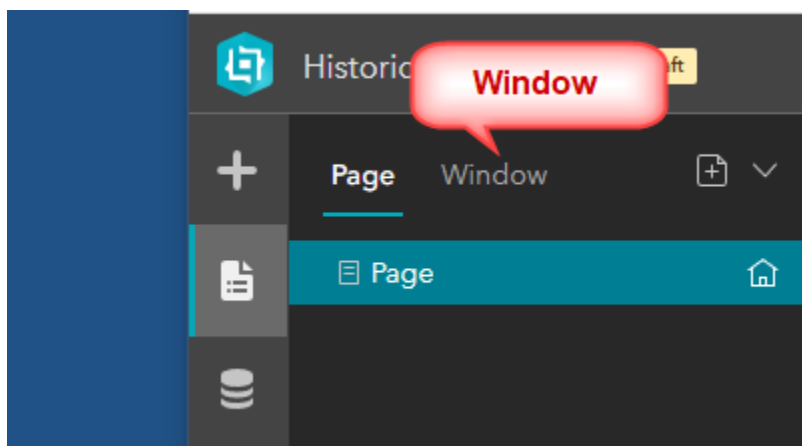
Edit the Subtitle to read v6



Open the **Page** Tab

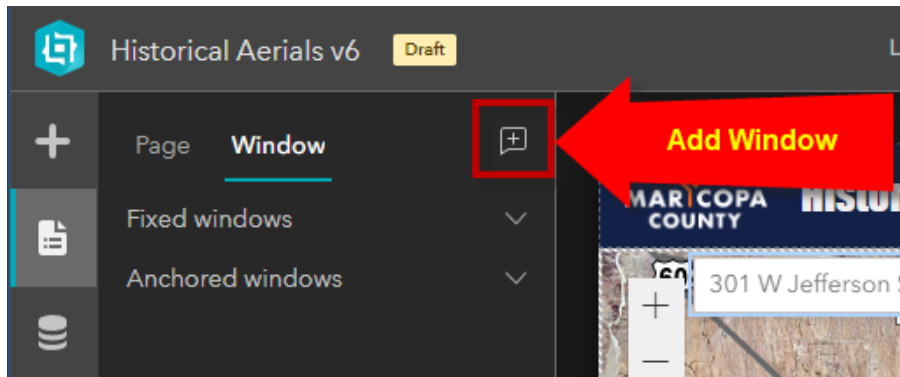


Open the **Window** Tab

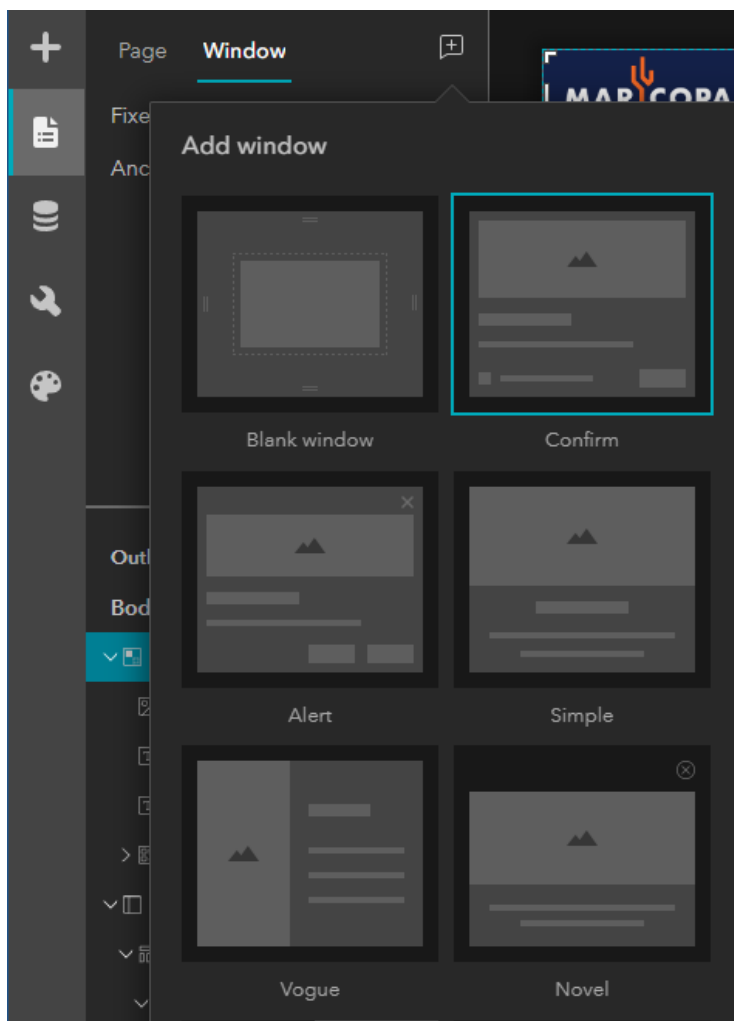


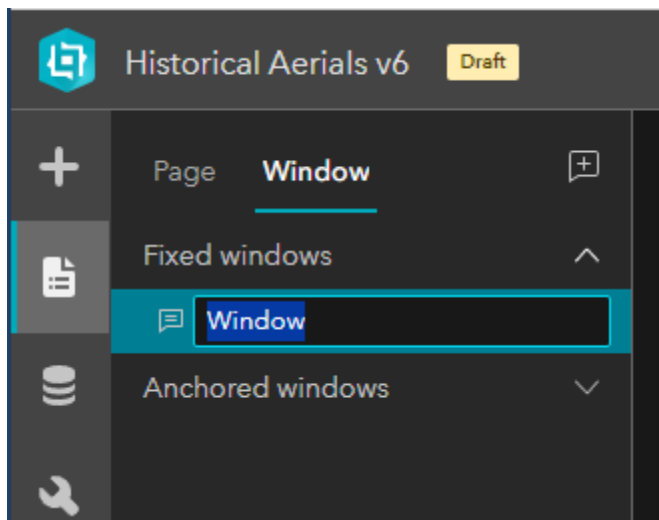
Add a Splash Window

Click on the **Add Window** button.

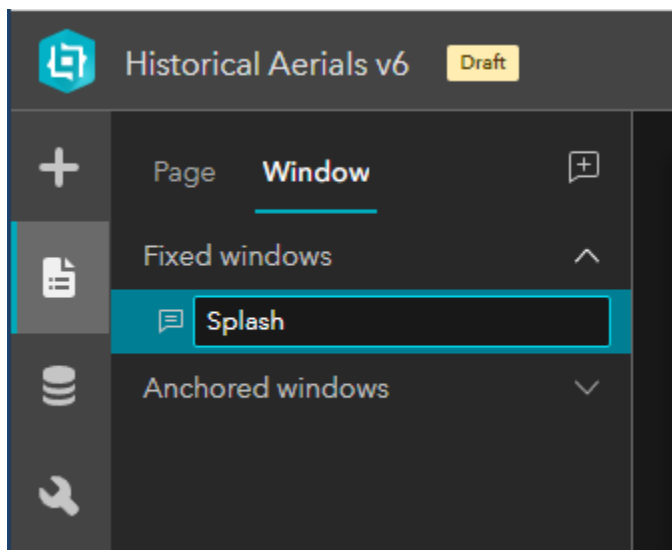


Add the **Confirm Window**

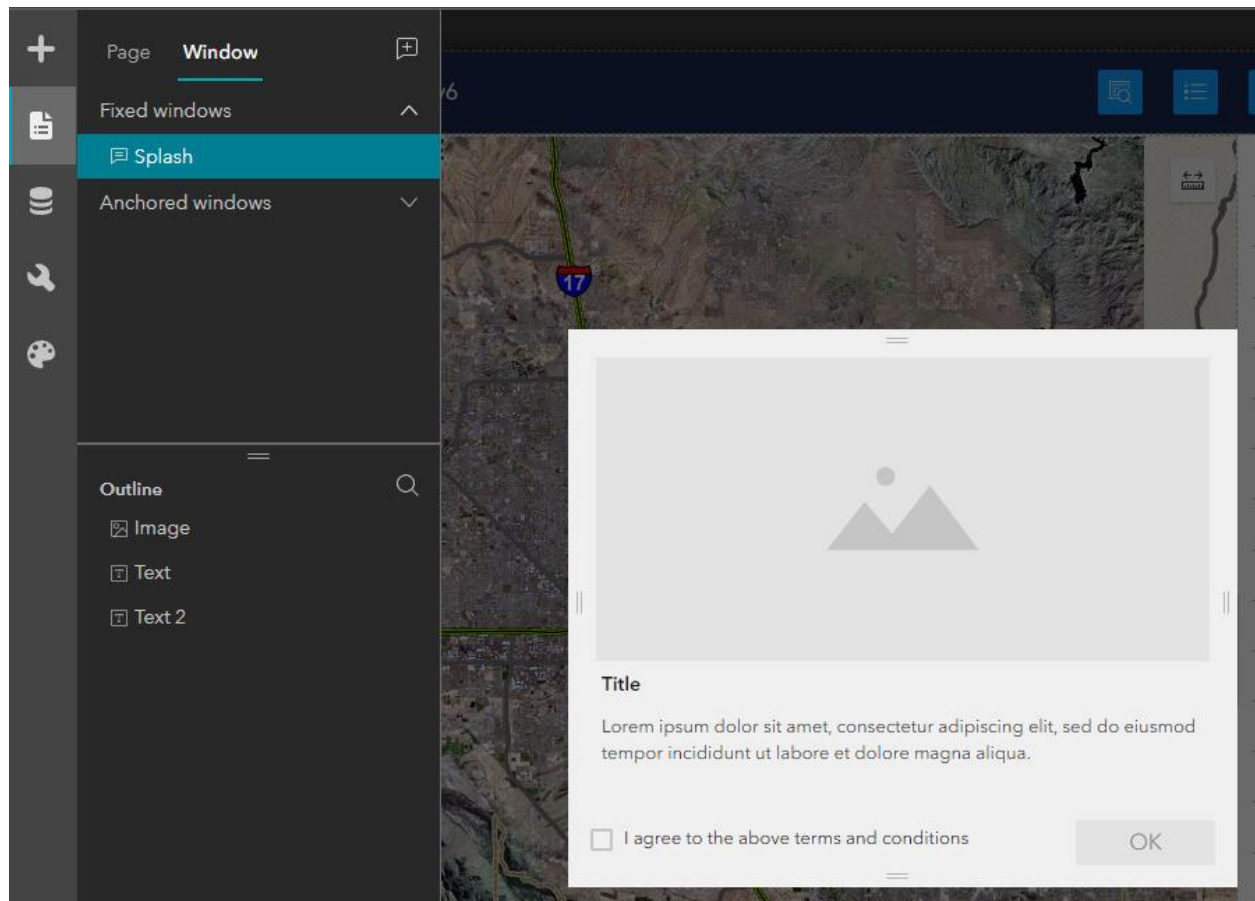




Rename this Window to **Splash**



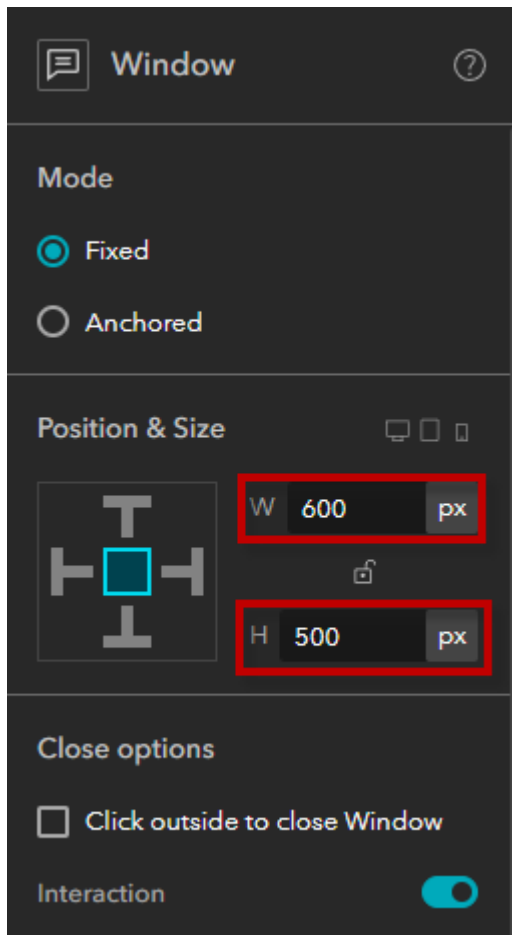
This is your Splash Window



Change the size of the Splash Window

Width = 600

Height = 500



Close options

☐ Click outside to close Window

Interaction ☒

Style

☐ ☒ ☐

Type

☐ Confirmation ☐

☒ "Don't show this again" option ☐

Checkbox text

Don't show this again

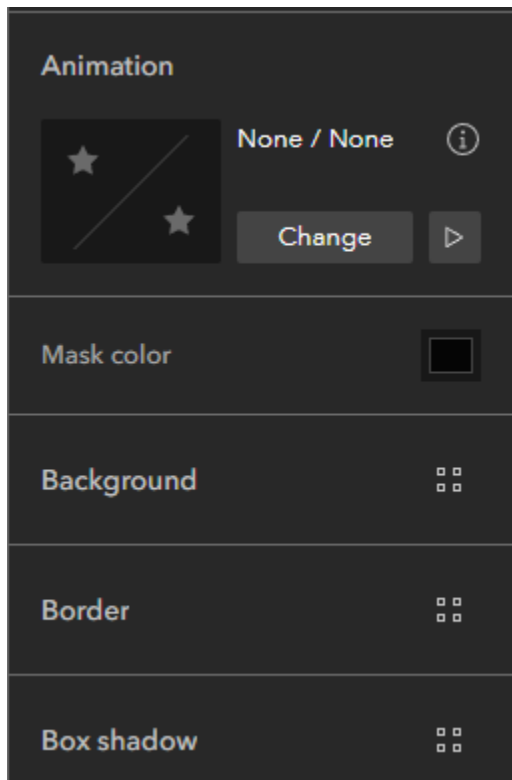
Font size 13 px

Button text

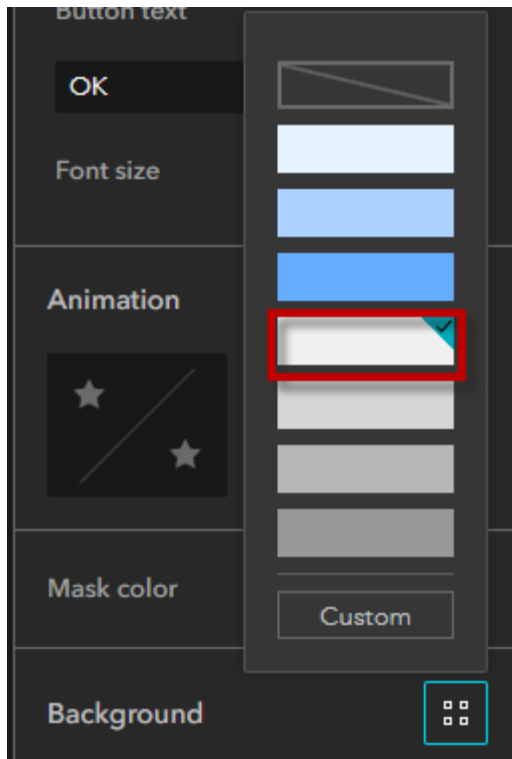
OK

Font size 16 px

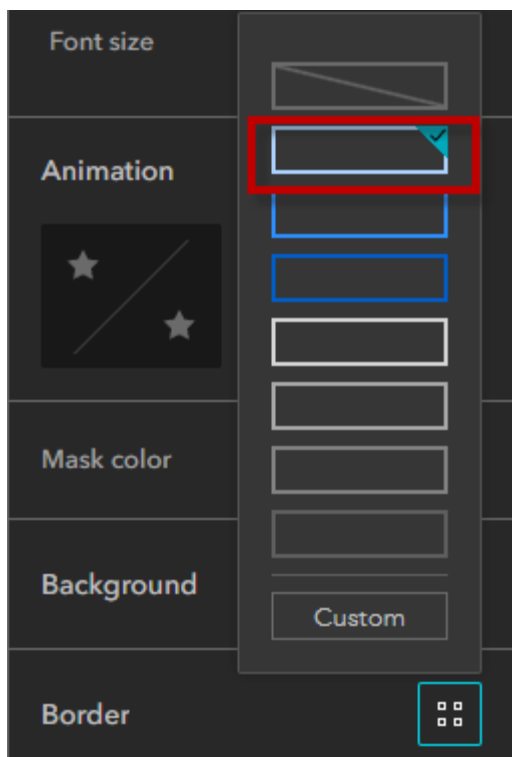
Set the Mask Color, Background, Border and Box Shadow for the Splash Window.



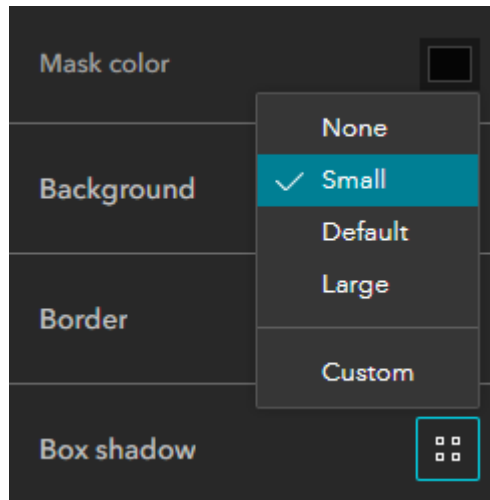
Set Background



Set Border

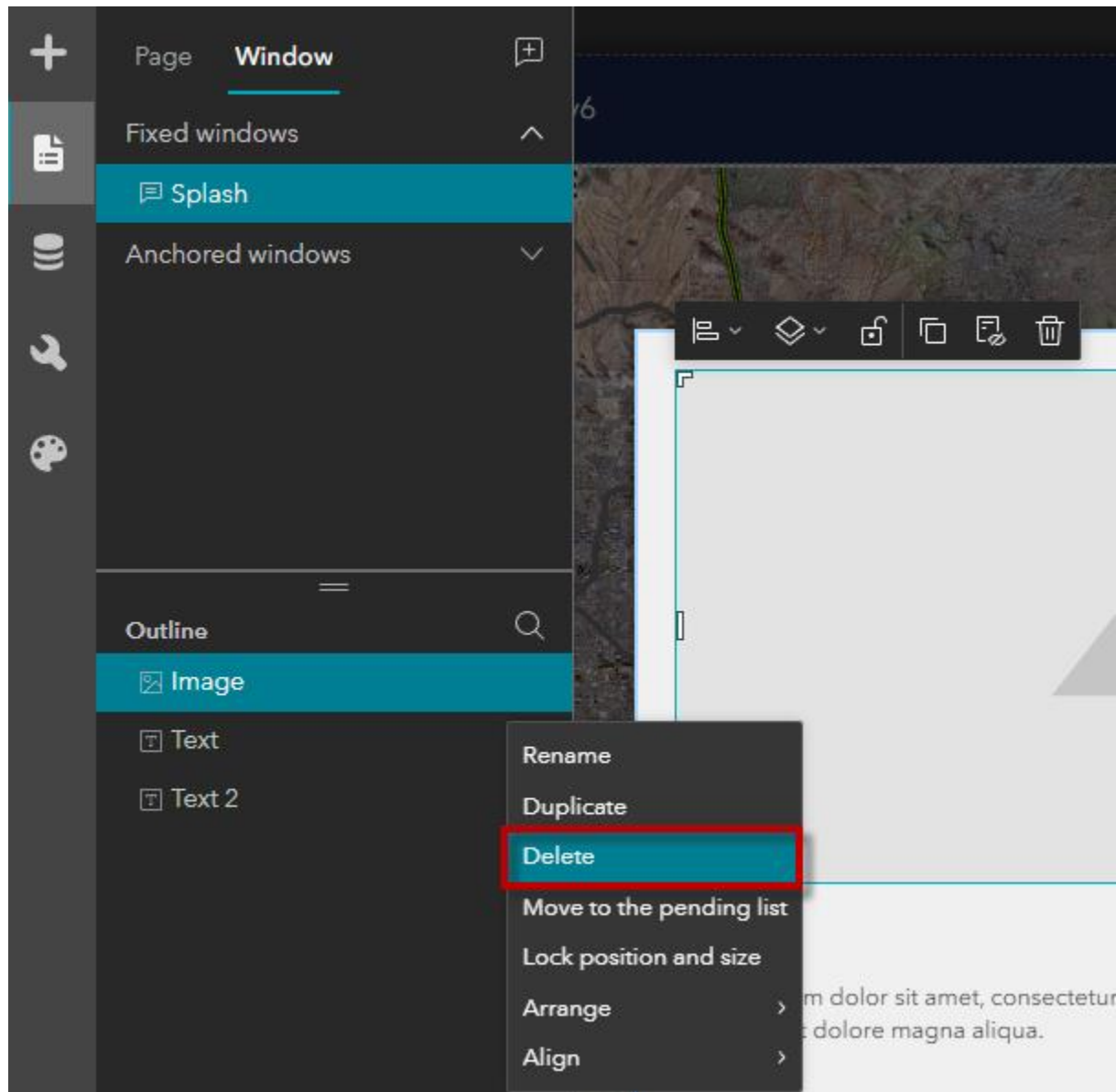


Set Box Shadow = Small

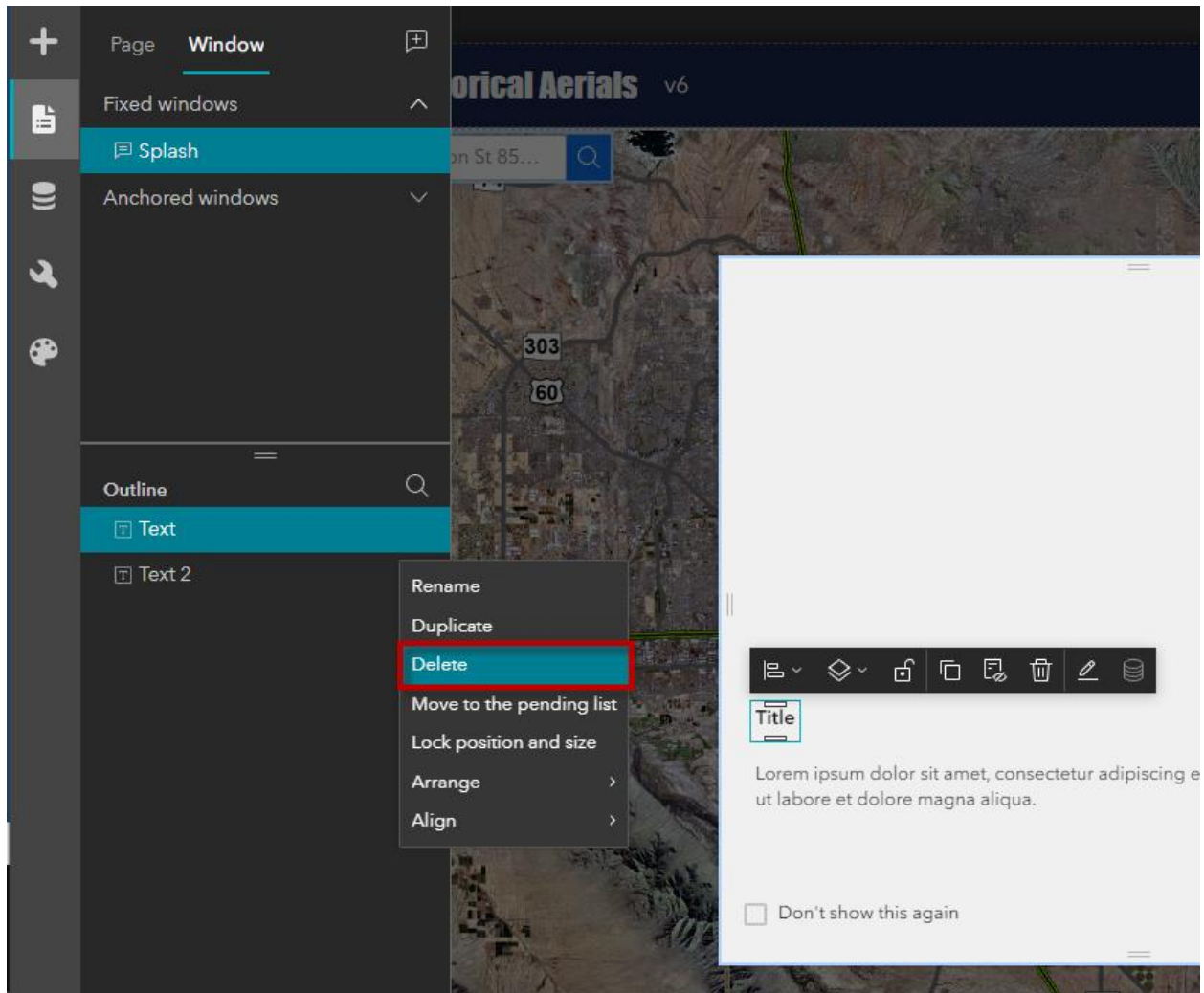


Examine the Splash Window Outline

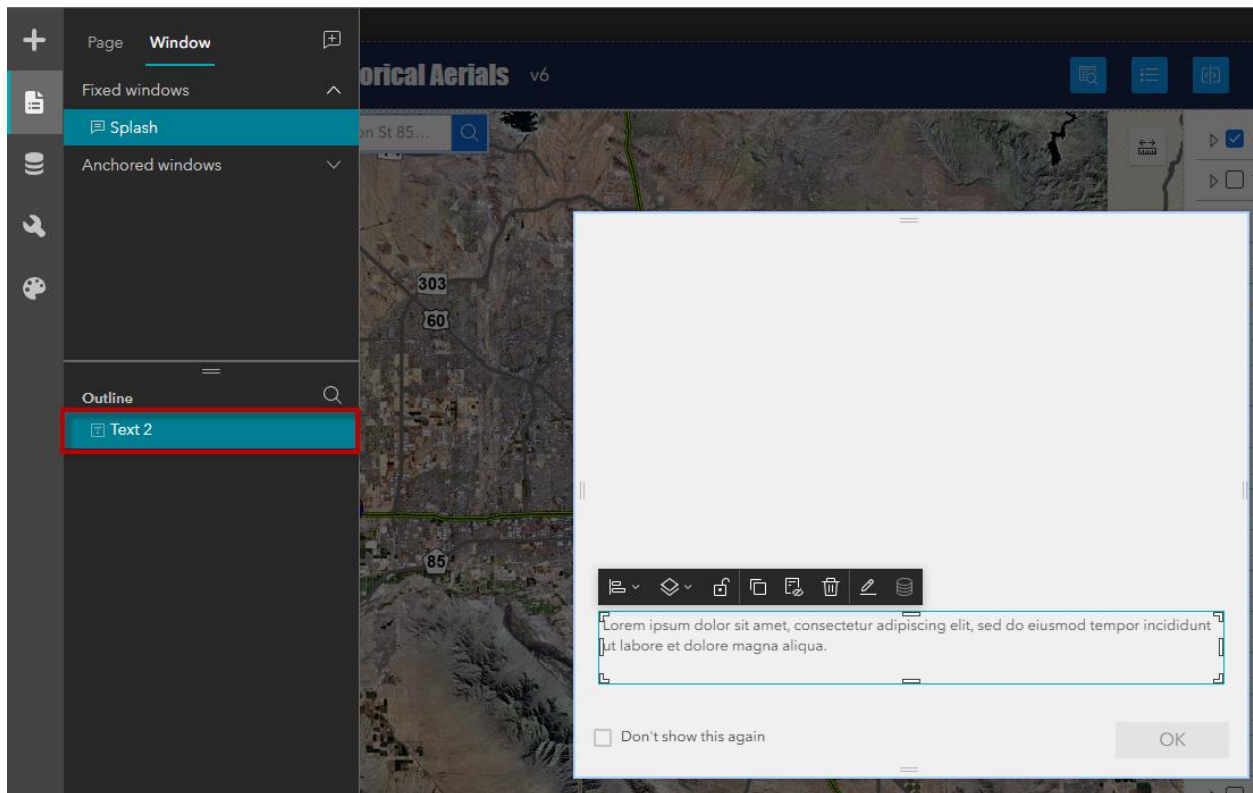
Delete the Image



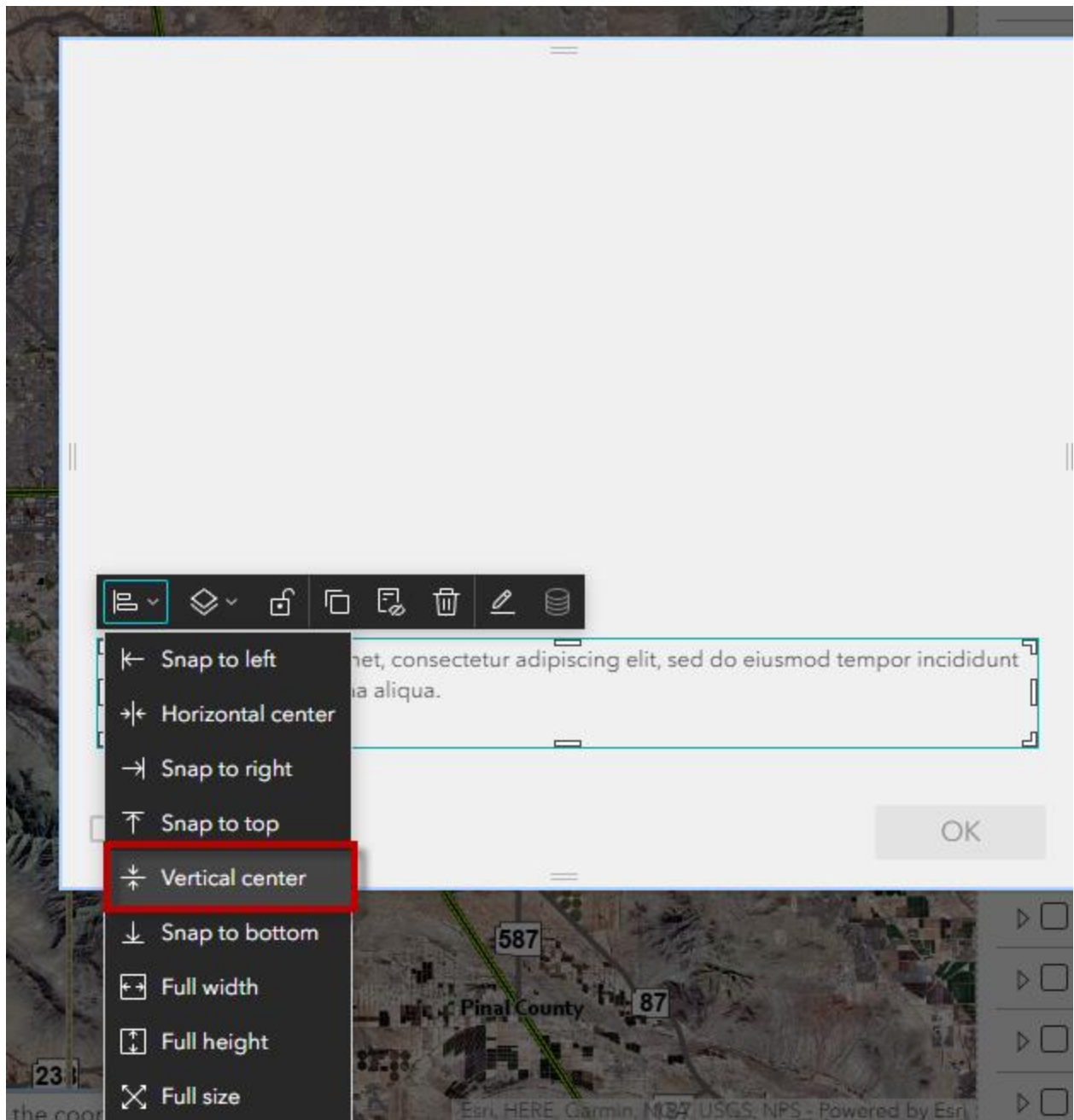
Delete the Title



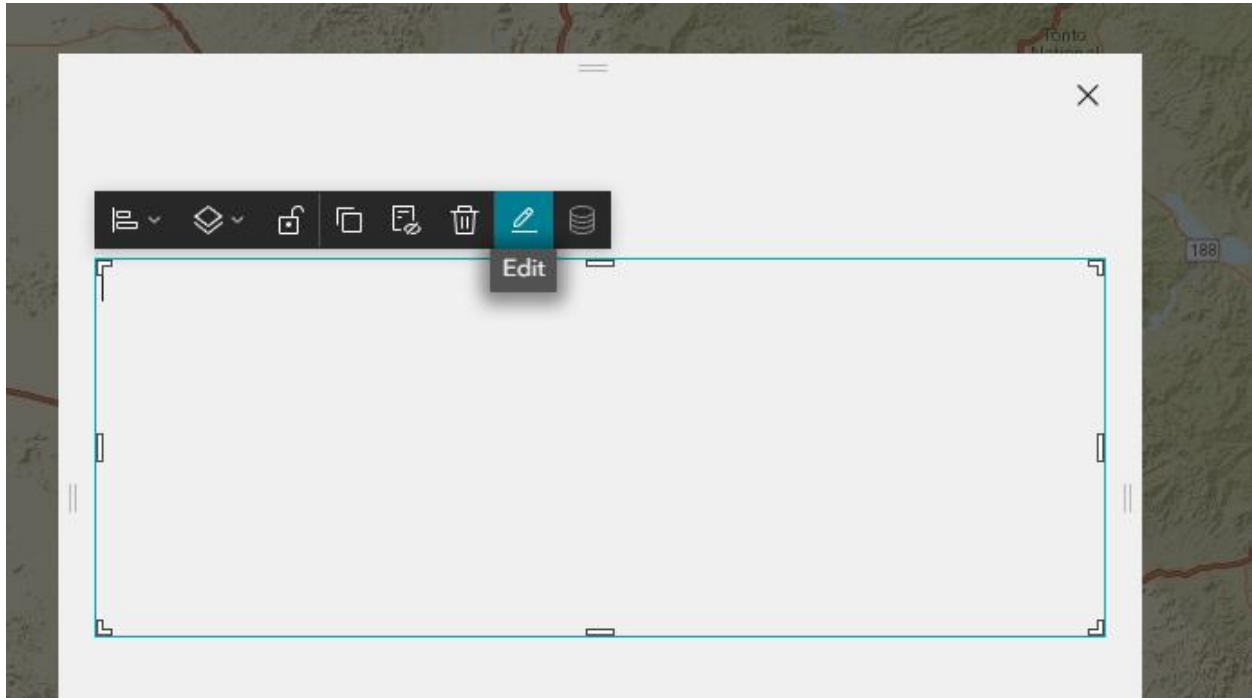
Select Text2



Align = Vertical Center



Edit the Text



Note: You can also double click inside the text box to enter Edit Mode.

Enter this Splash Screen Text

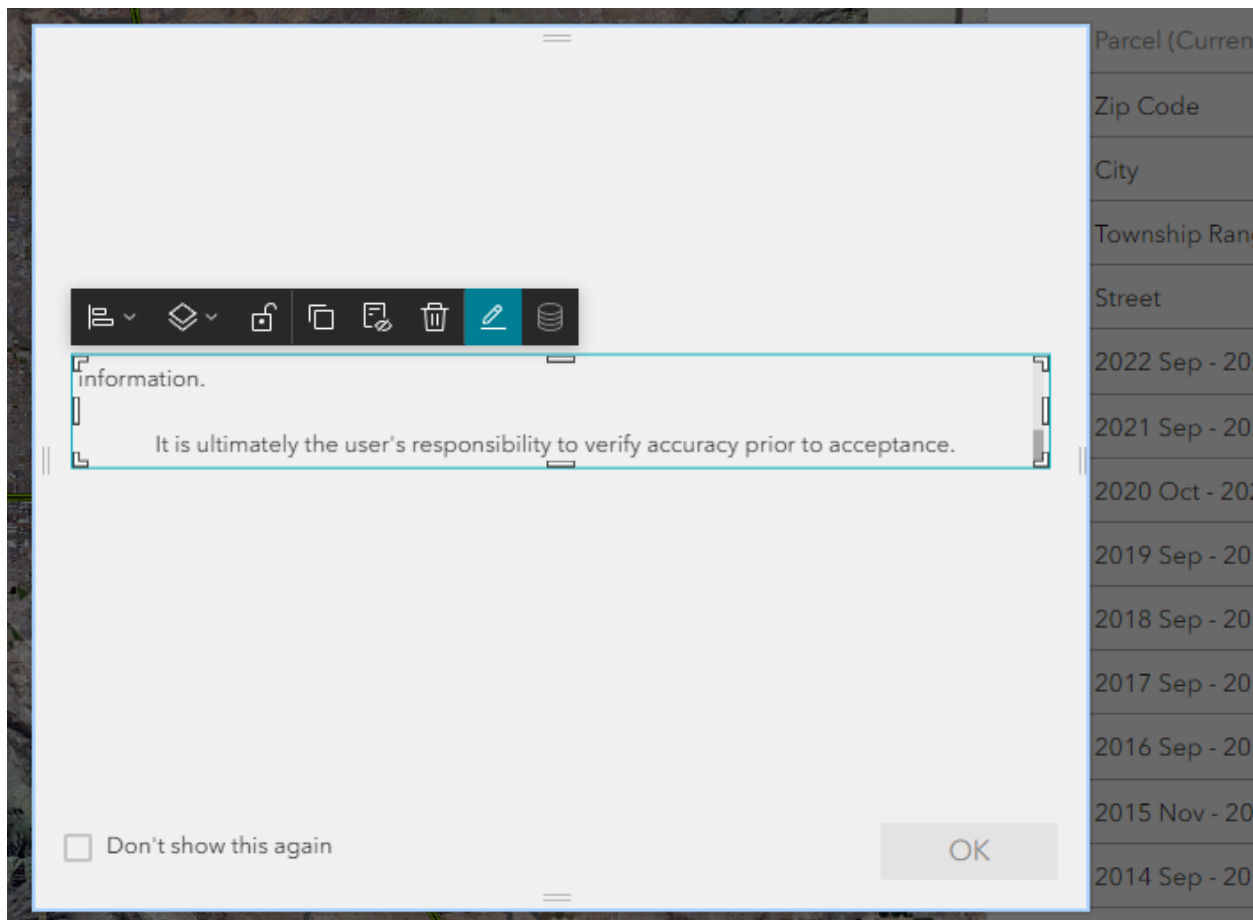
This Web App was last updated 7/20/2023

Please clear your browser cache before first use.

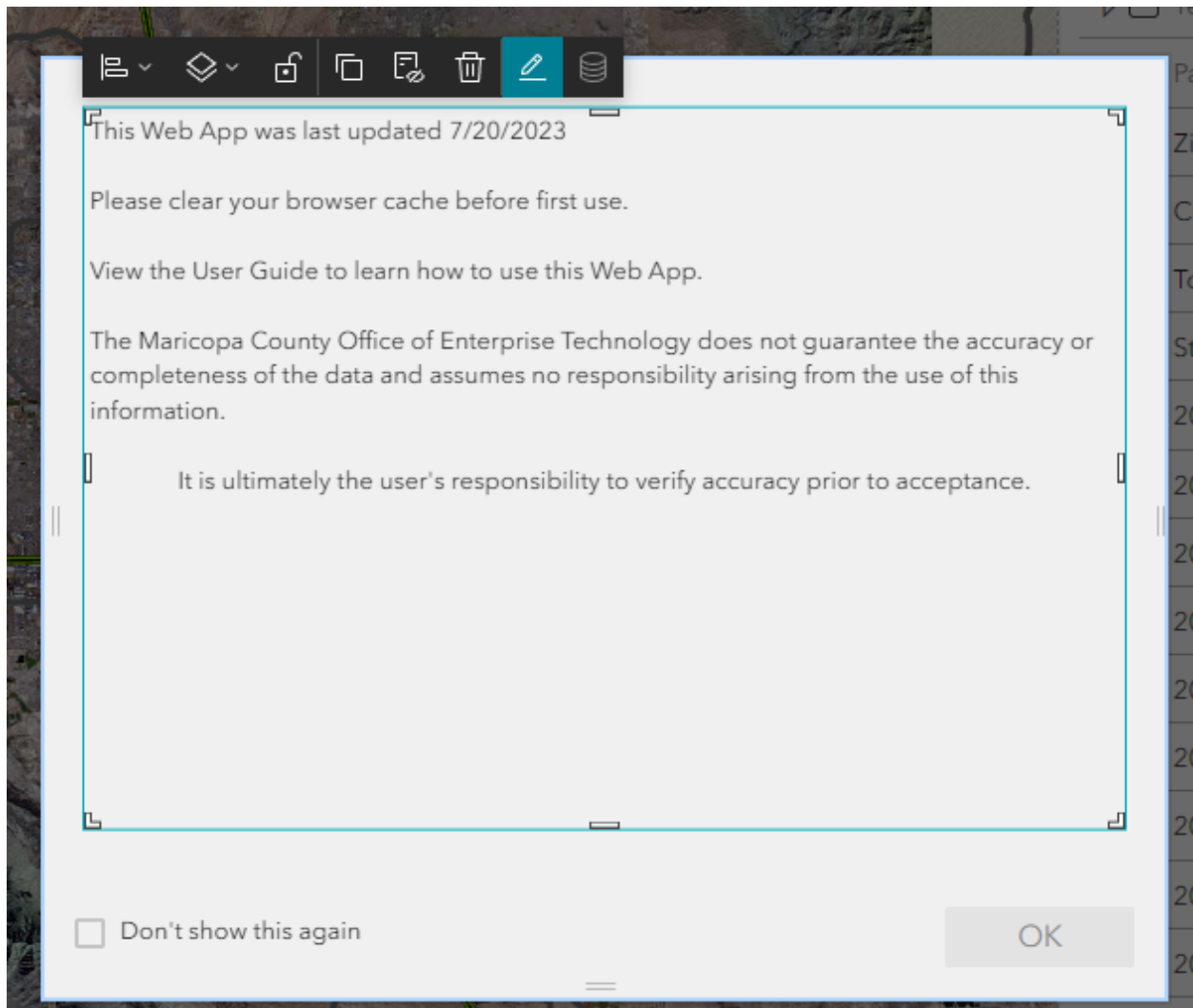
View the User Guide to learn how to use this Web App.

The Maricopa County Office of Enterprise Technology does not guarantee the accuracy or completeness of the data and assumes no responsibility arising from the use of this information.

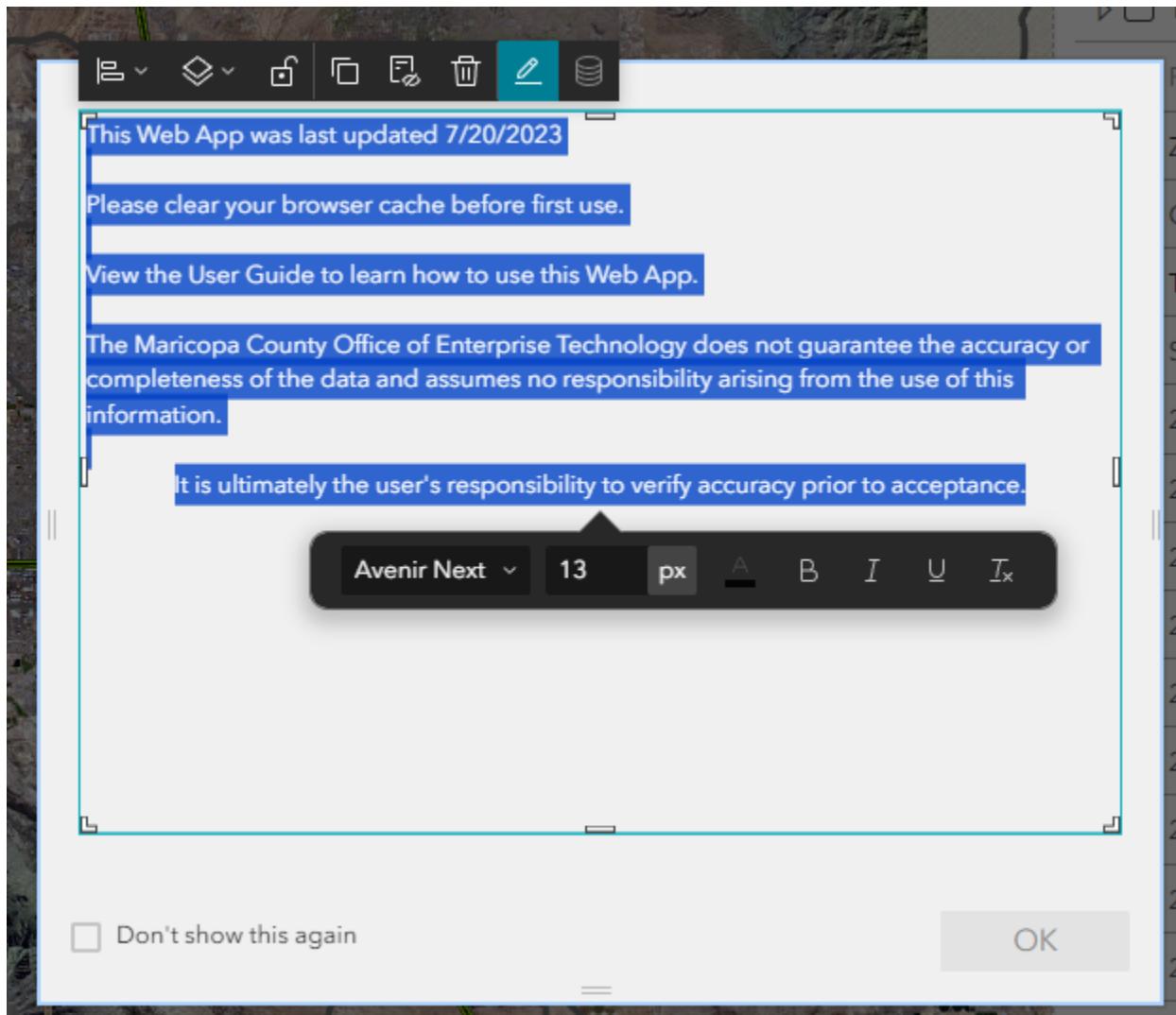
It is ultimately the user's responsibility to verify accuracy prior to acceptance.



Expand the height of the text box.



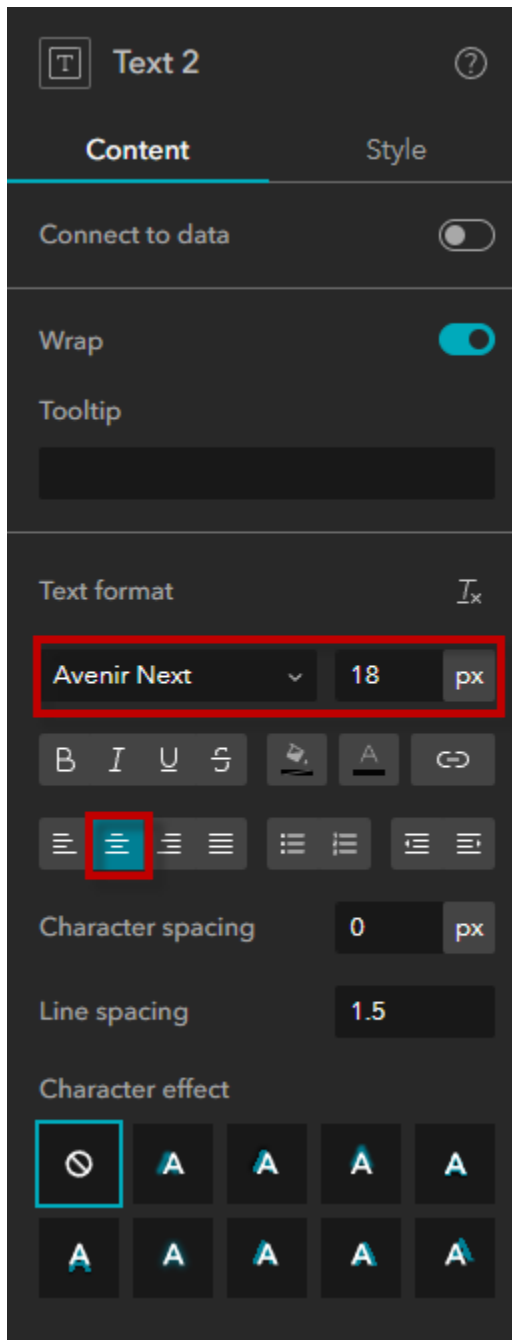
Select the entire text.



Text Font = **Avenir Next**

Text Size = **18**

Centered



This Web App was last updated 7/20/2023

Please clear your browser cache before first use.

View the User Guide to learn how to use this Web App.

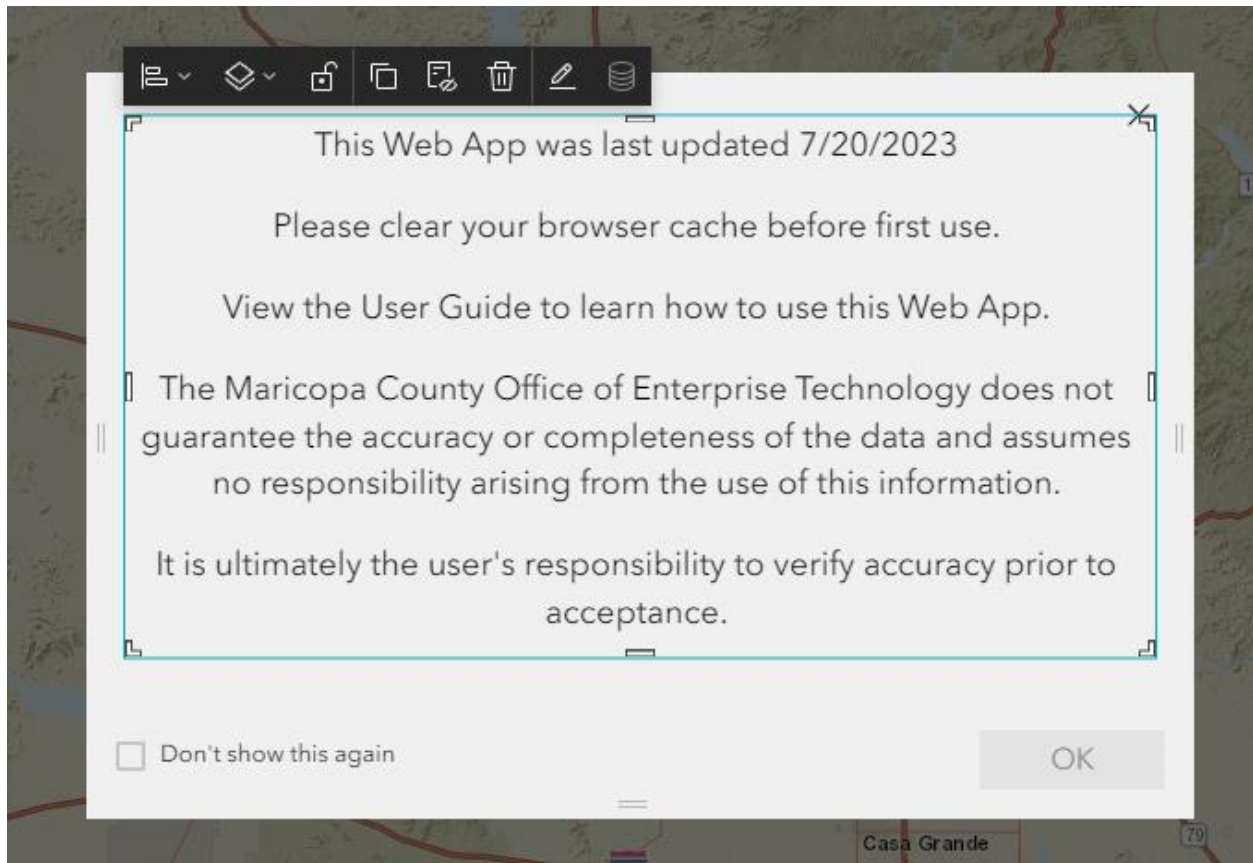
The Maricopa County Office of Enterprise Technology does not guarantee the accuracy or completeness of the data and assumes no responsibility arising from the use of this information.

It is ultimately the user's responsibility to verify accuracy prior to acceptance.

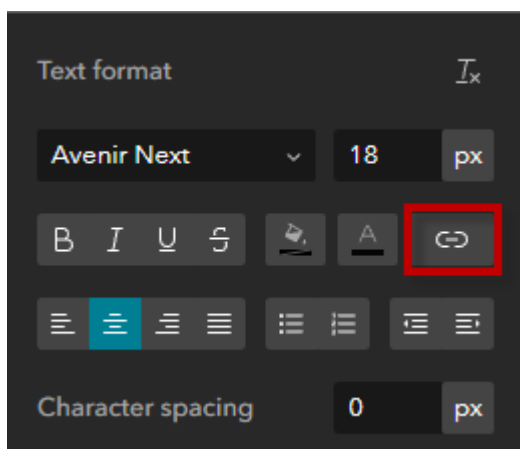
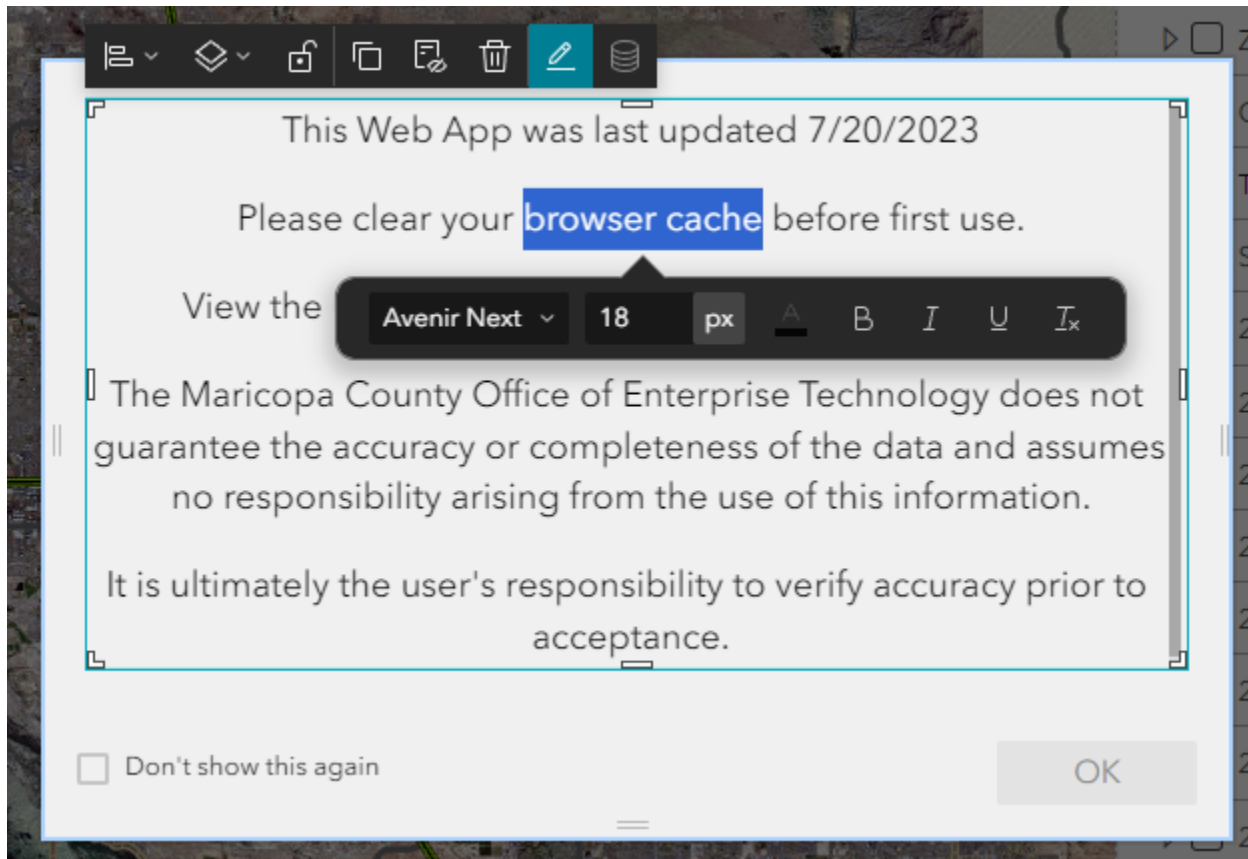
☐ Don't show this again

OK

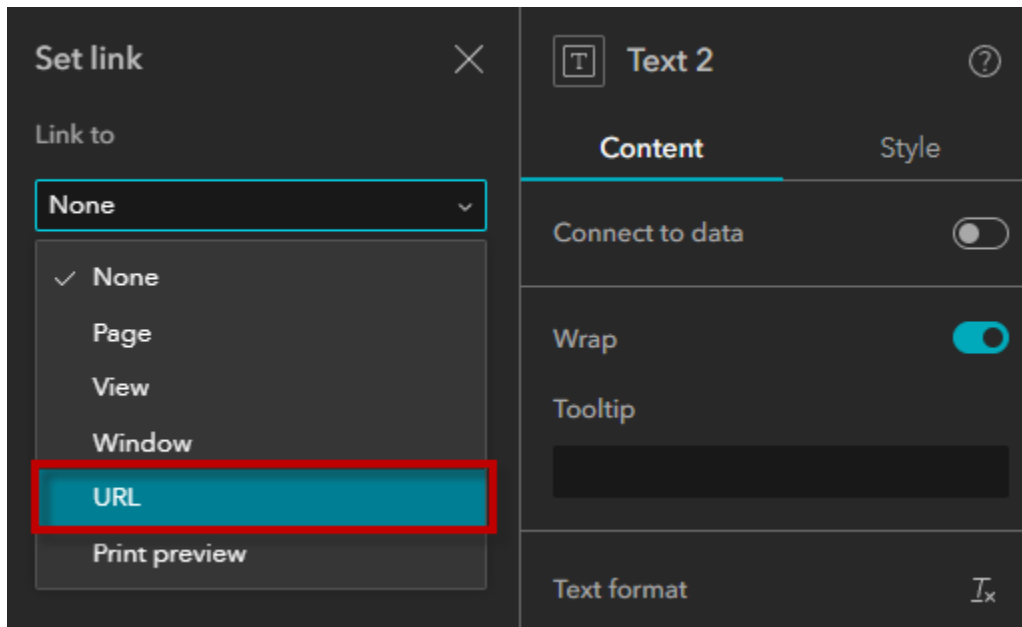
Resize the height of the Window to make the Text Fit



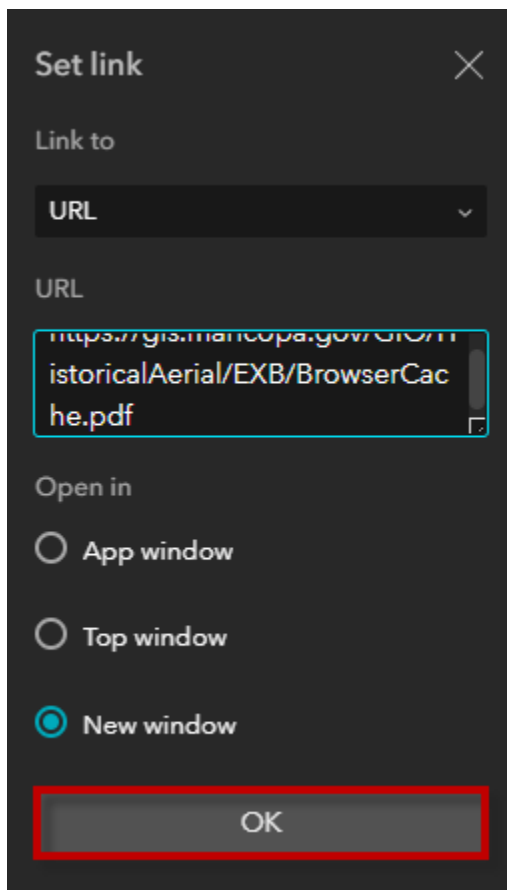
Add a link to **Browser Cache**



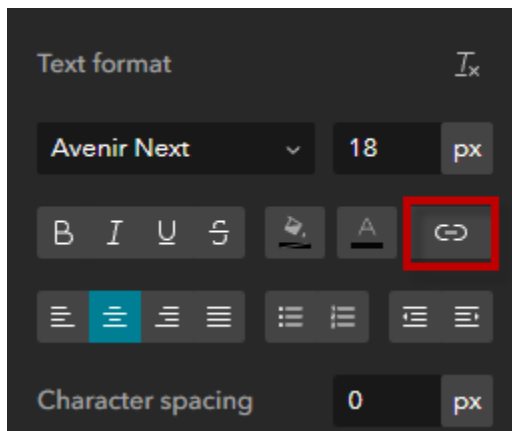
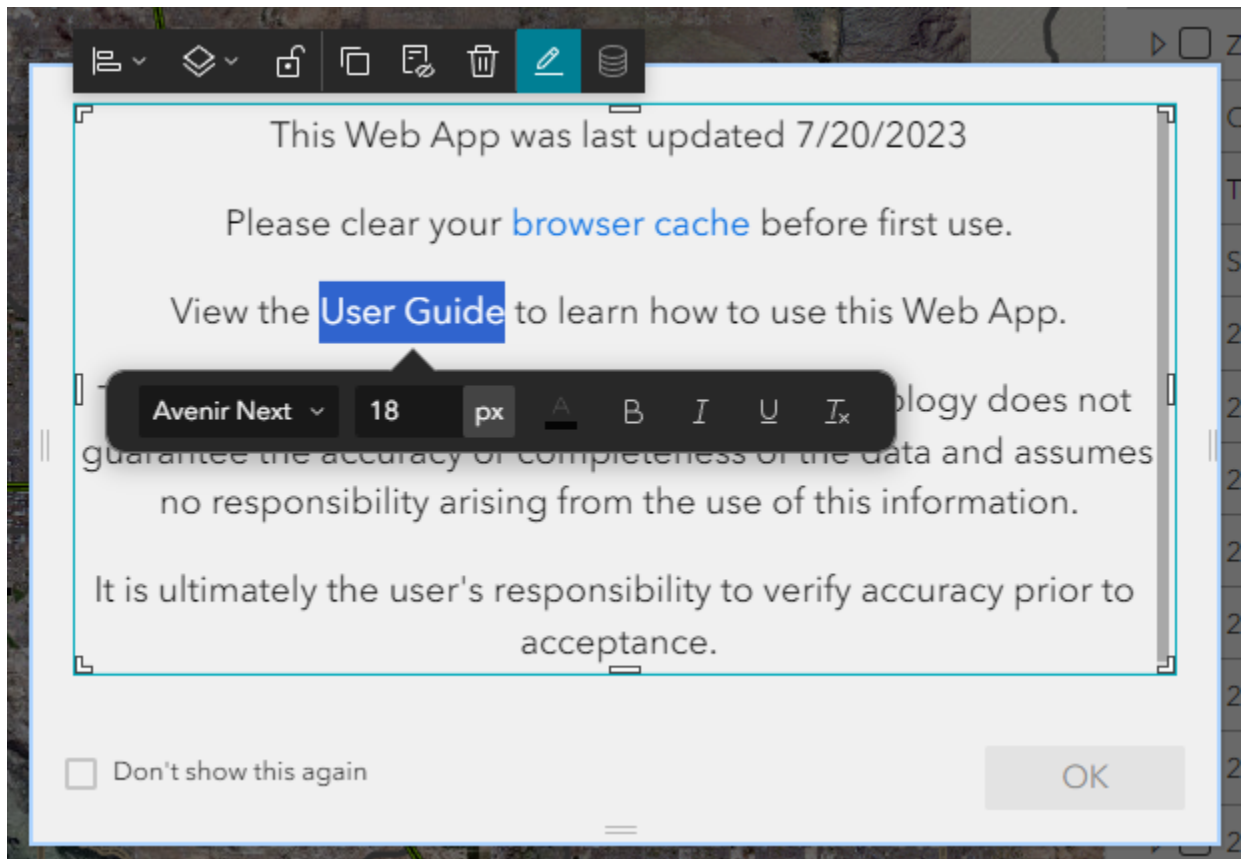
Link to URL



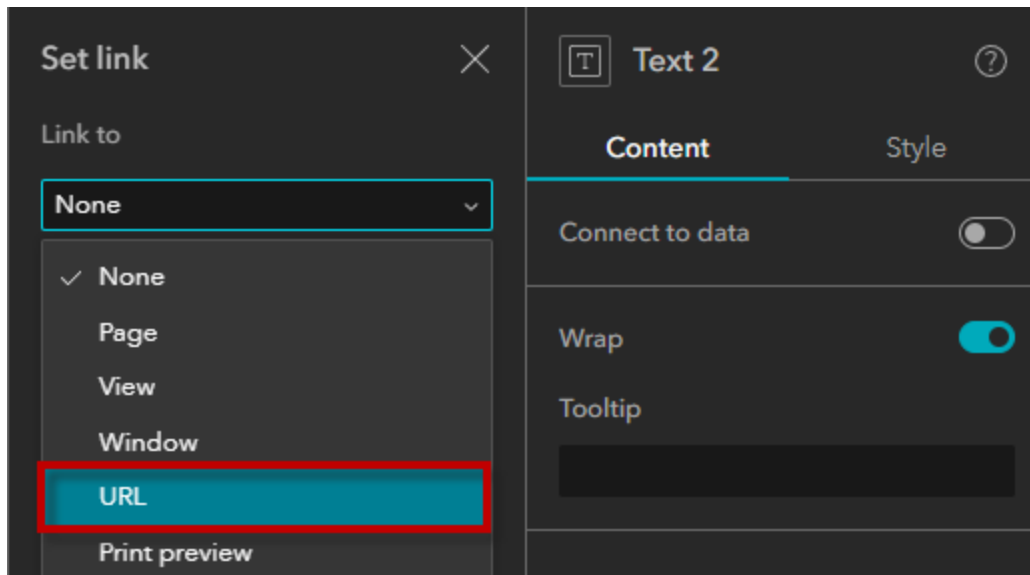
URL = <https://gis.maricopa.gov/GIO/HistoricalAerial/EXB/BrowserCache.pdf>



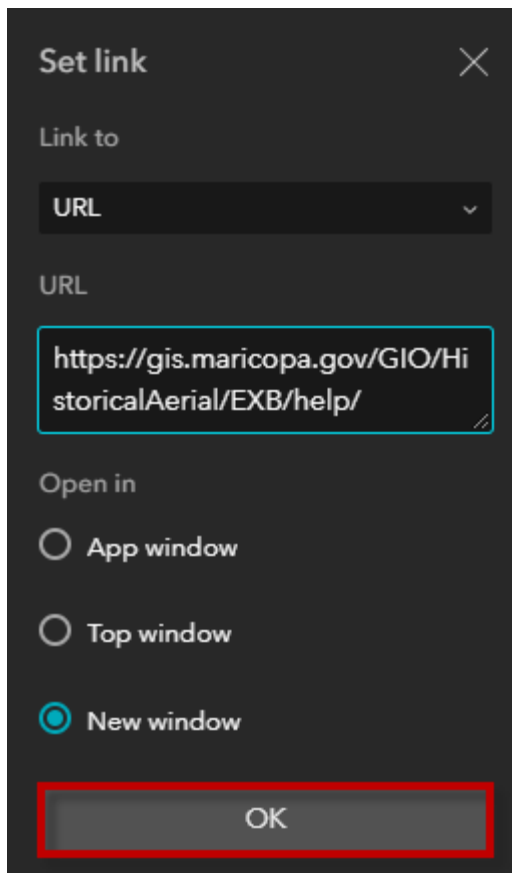
Add a link to the **User Guide**



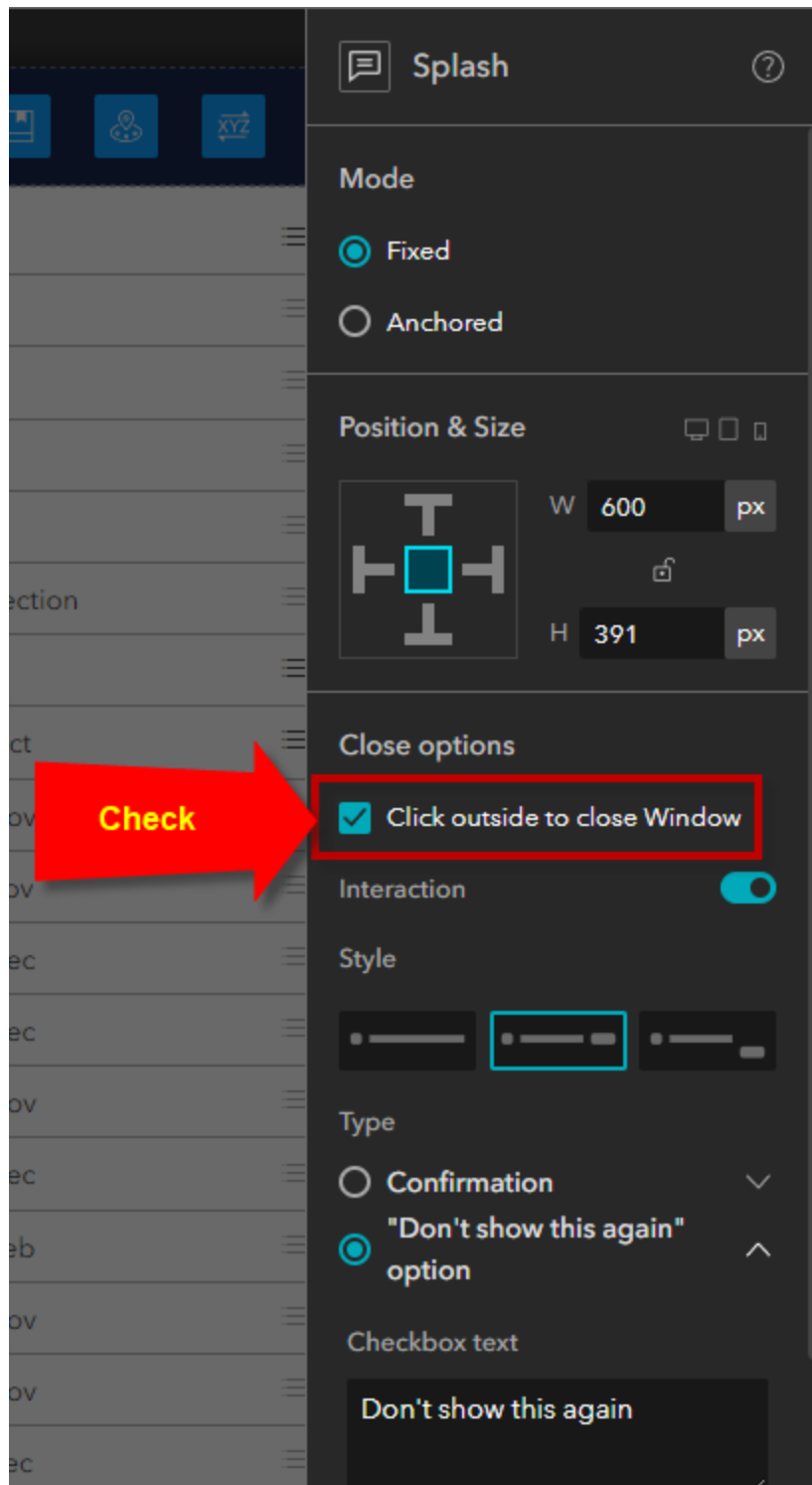
Link to URL



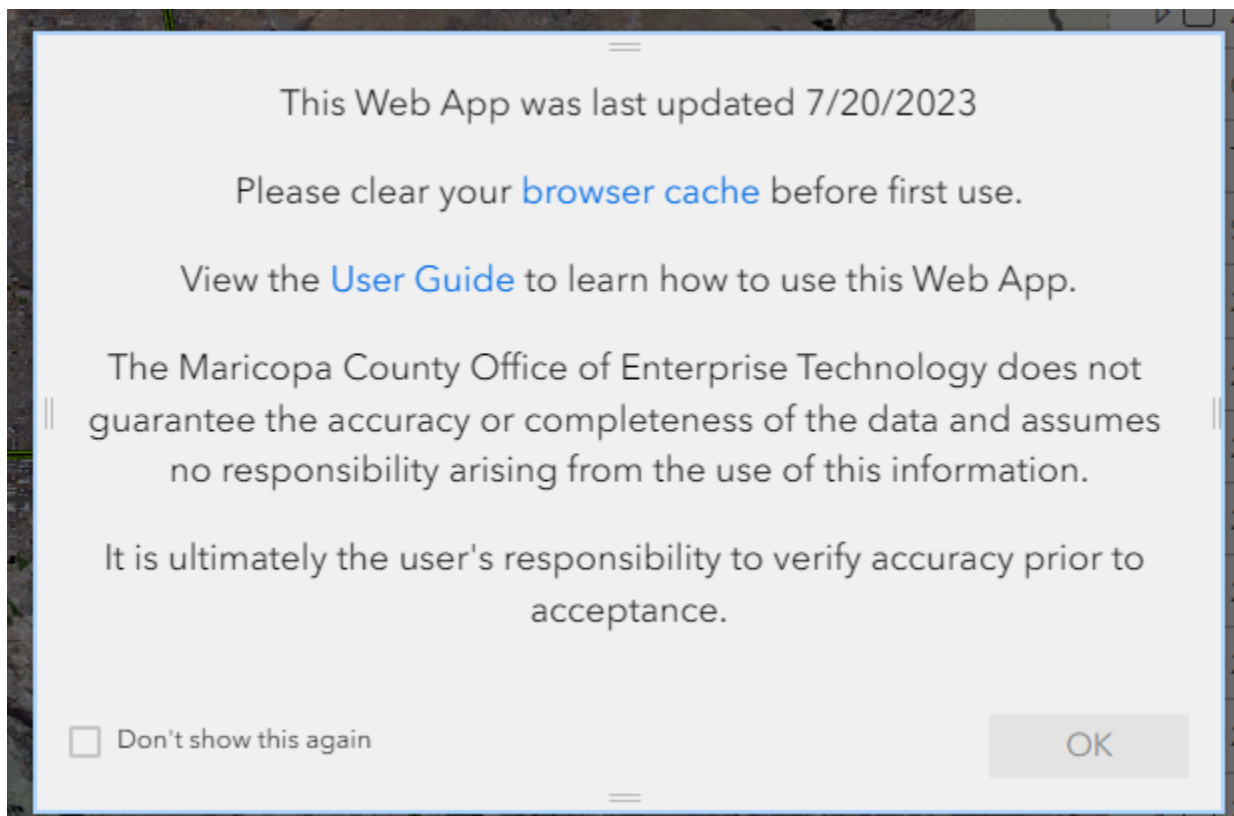
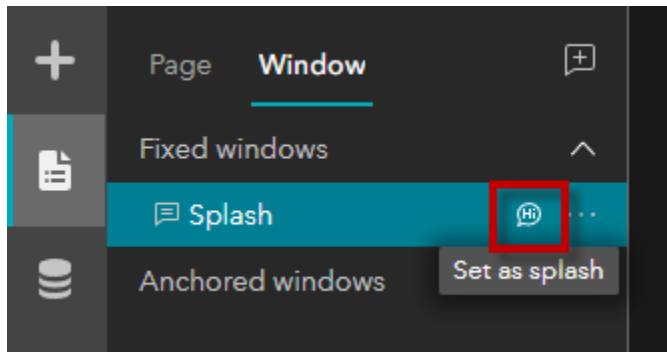
URL = <https://gis.maricopa.gov/GIO/HistoricalAerial/EXB/help/>



Check = Click outside to close window

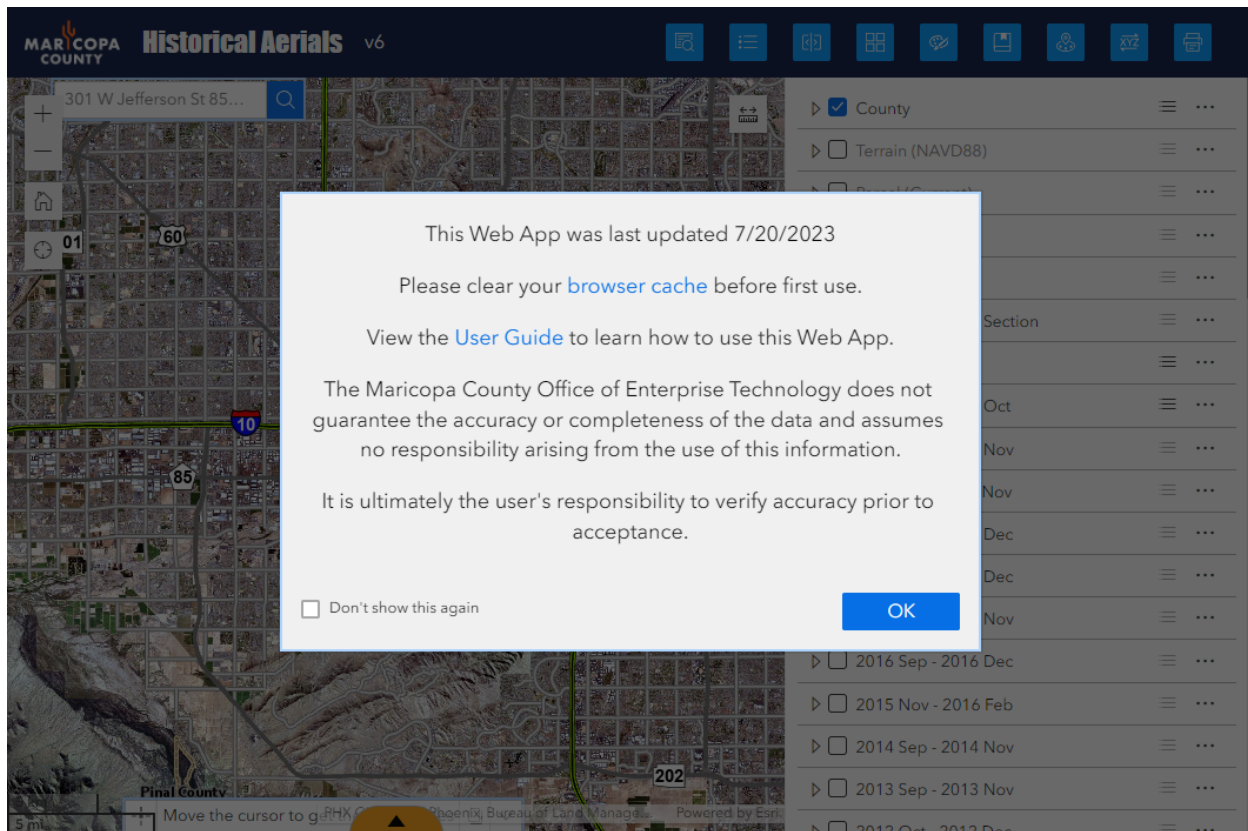


Set the Window as **Splash**



Save, Publish, View Published Item

<https://localhost:3001/experience/5/>



Click on the browser cache link.

<https://daviddas2.github.io/HistoricalAerials/BrowserCache.pdf>

Web App has been updated

Remember to Clear your Browser Cache before first use!

Important!

If you are opening this Web App the very first time since the last update, you would need to clear your browser cache.

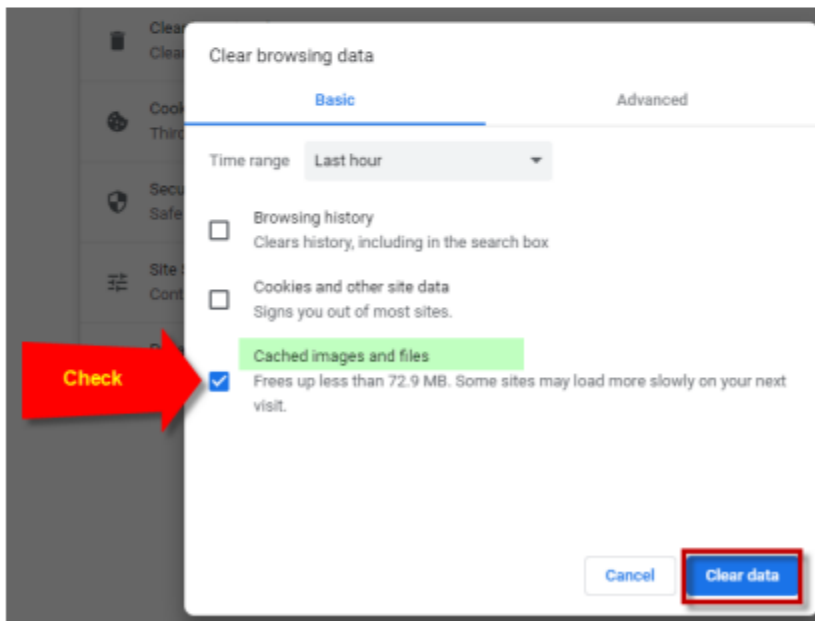
This would prevent the contents of your stored local browser cache from conflicting with the new updates thereby causing the Web App to hang and/or behave erratically.

Follow these steps depending on your browser.

Google Chrome

Press **<Shift><Ctrl>** to open the **Clear browsing data** dialog box.

Check **Cached images and files**.

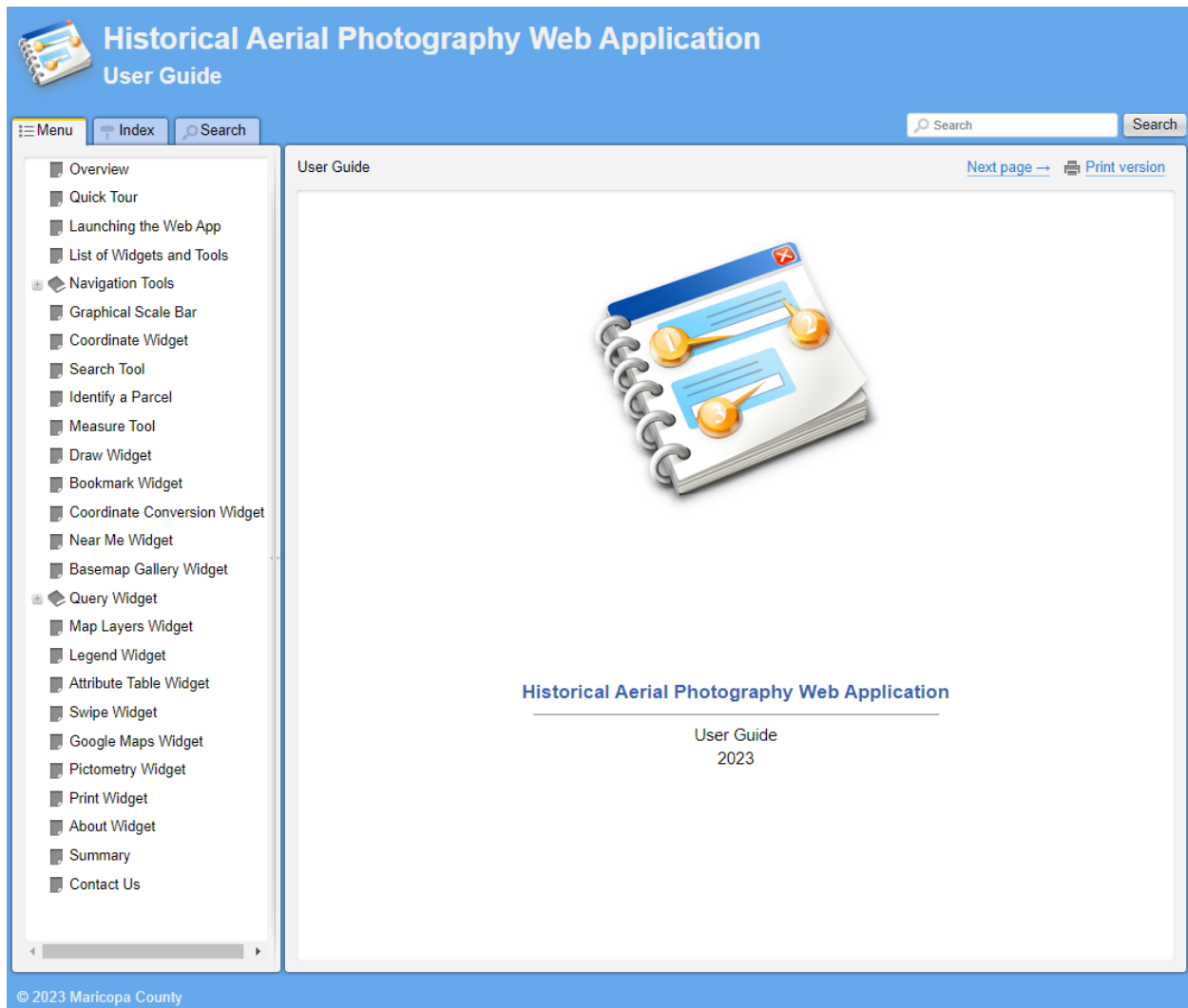


Press **Clear data**.

Reload the Web App.

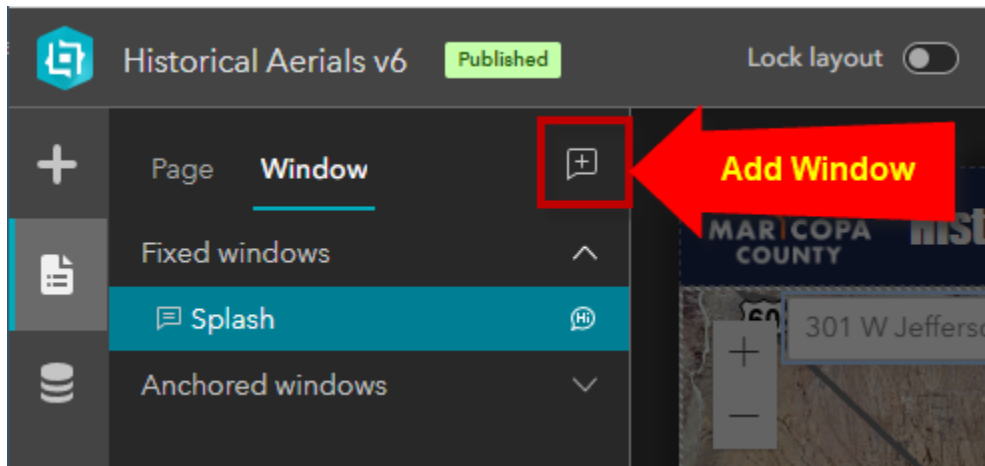
Click on the User Guide link.

<https://daviddas2.github.io/HistoricalAerials/help/>

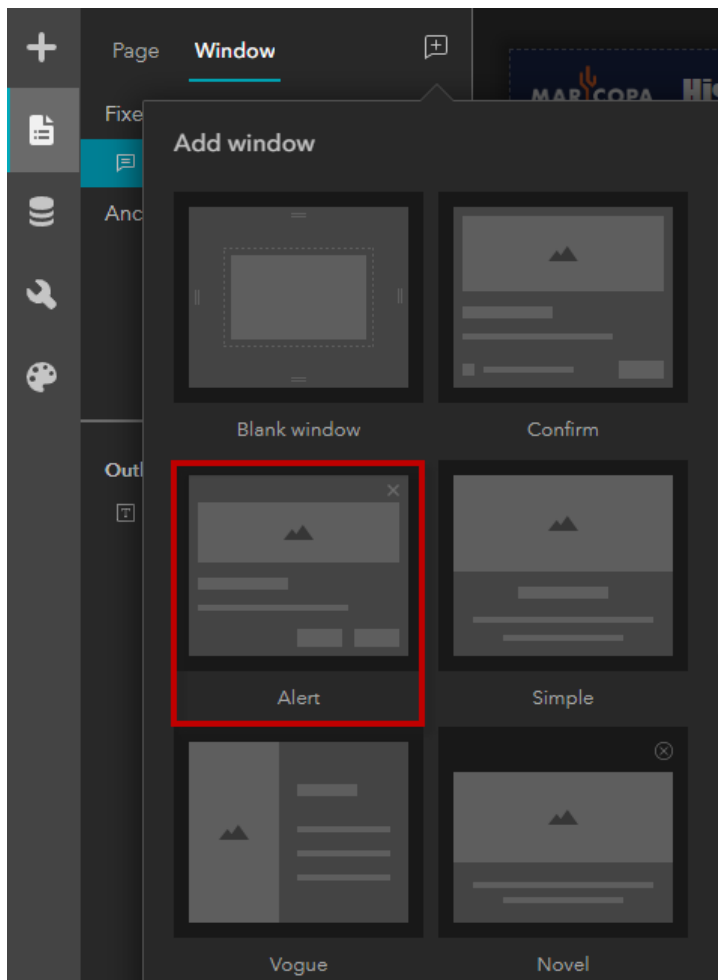


Next, you will add the About Window.

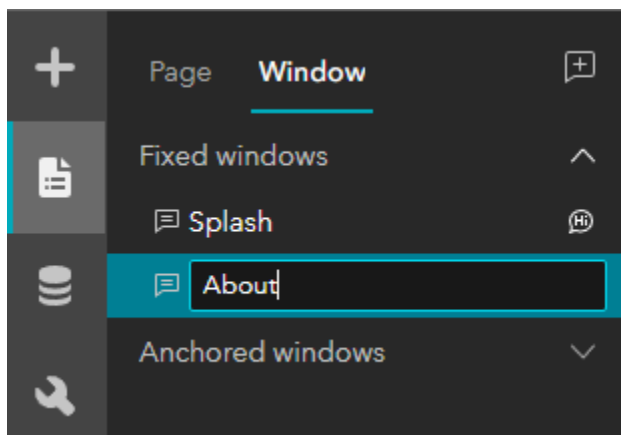
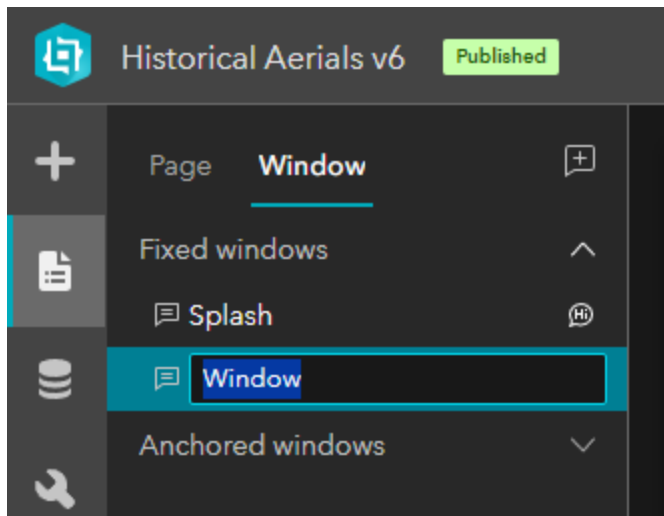
Add an About Window



Select the Alert Window.

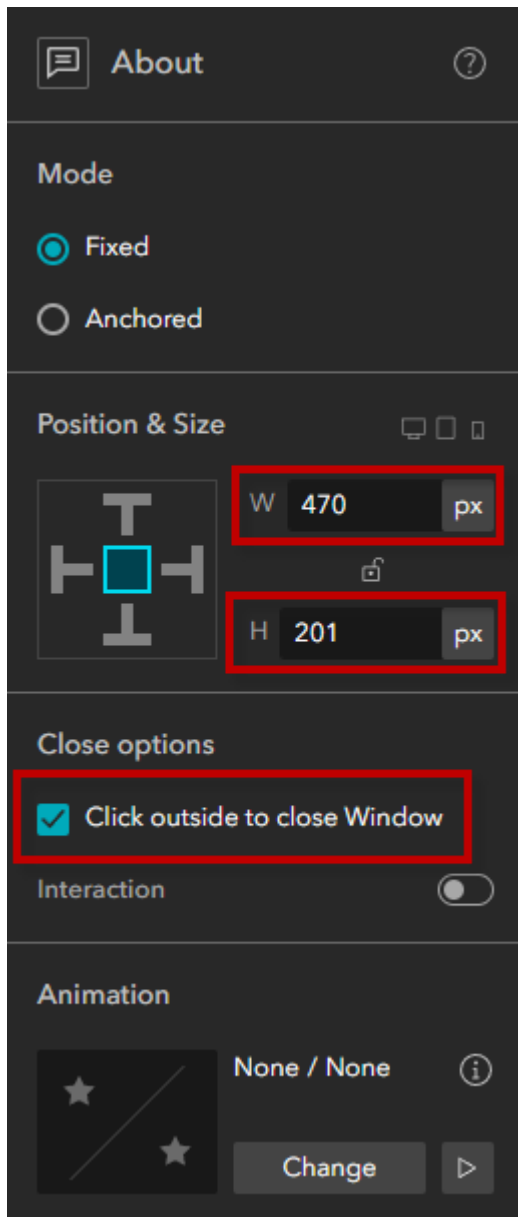


Rename this Window to About



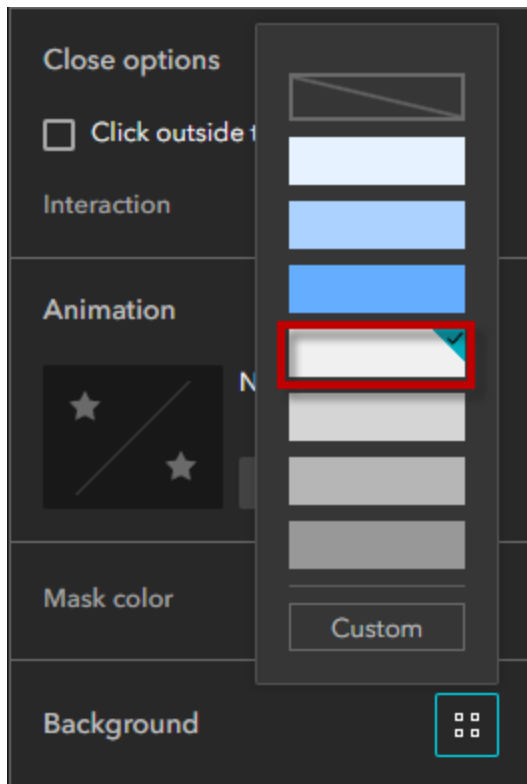
Set Width = 470

Set Height = 260

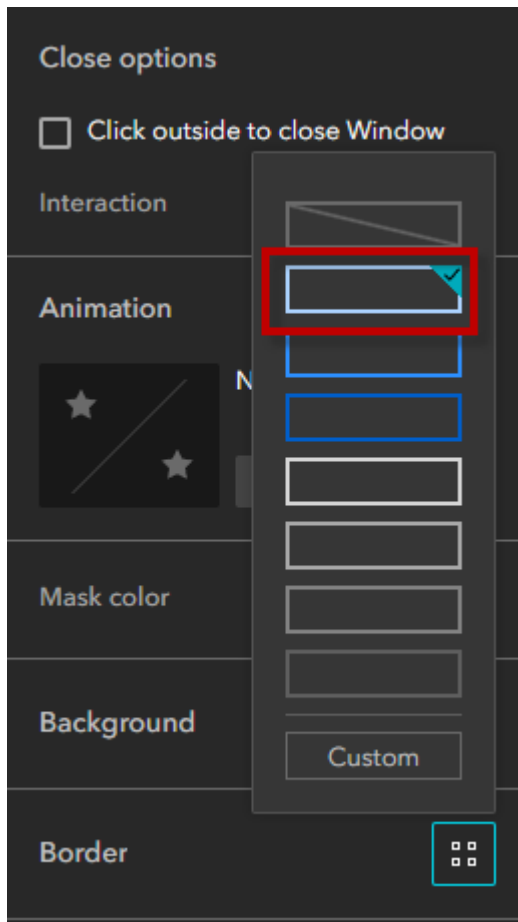


Check = Click outside to close Window.

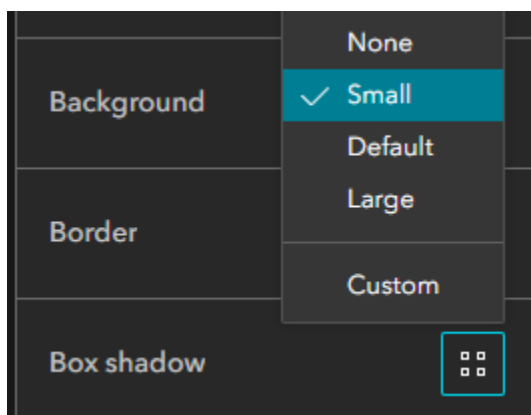
Set Background Color



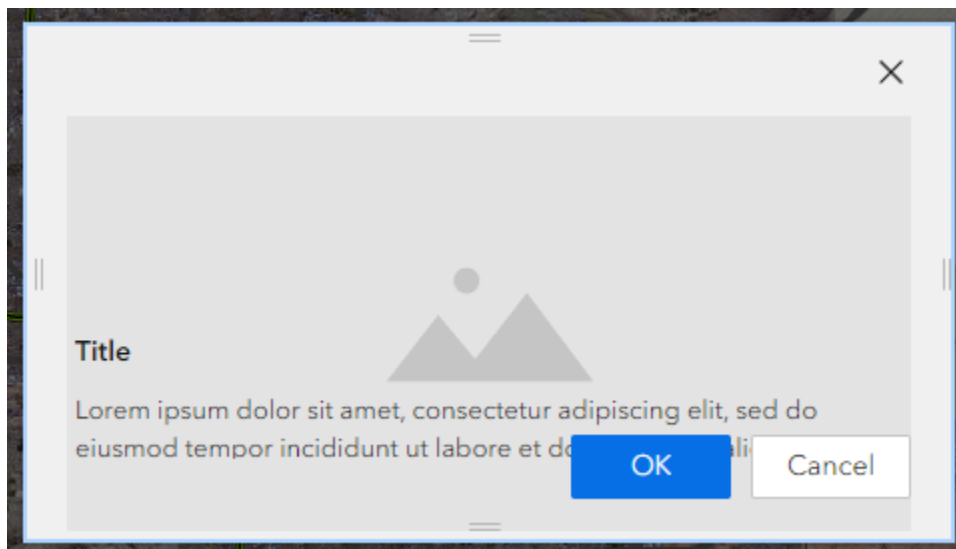
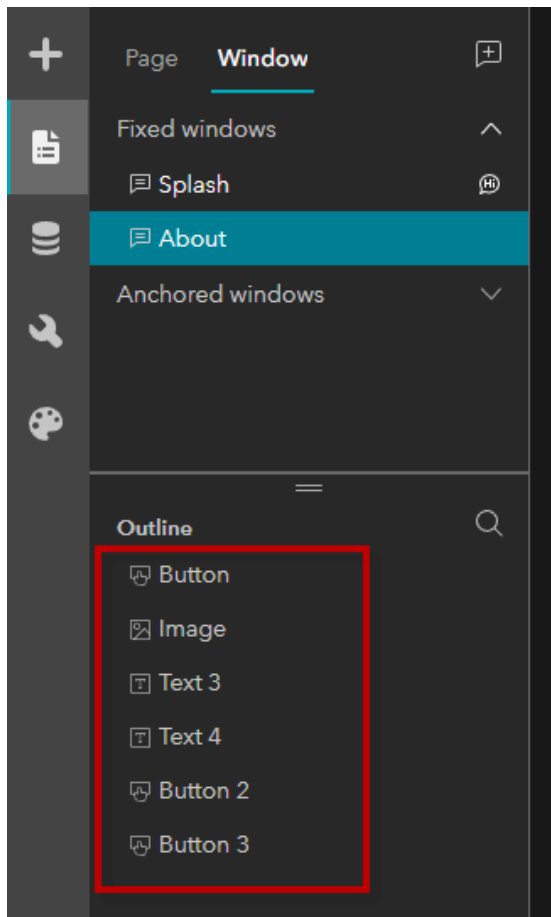
Set Border Color



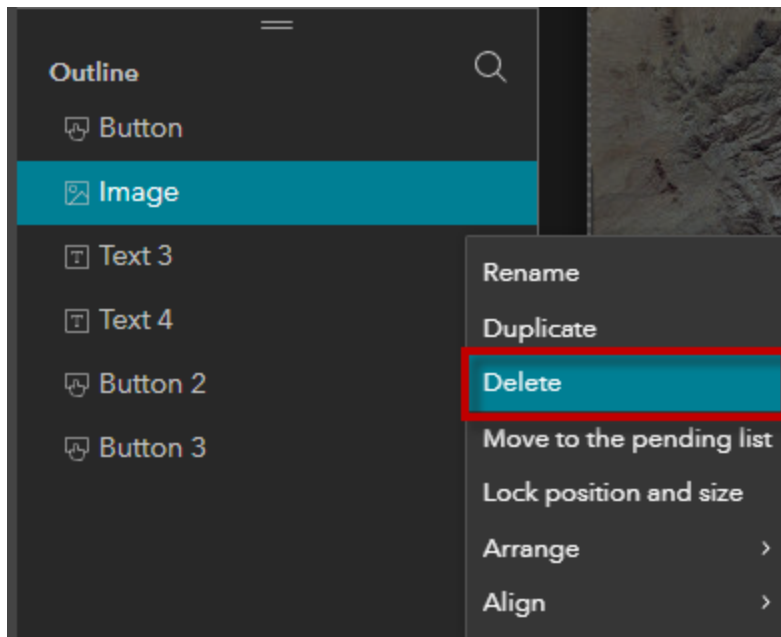
Set Box Shadow = Small



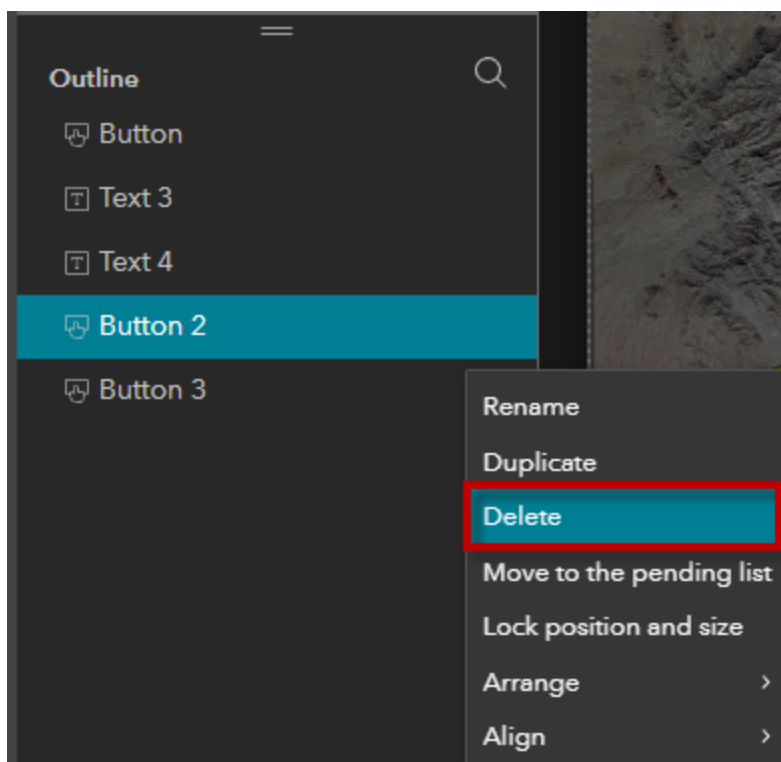
Examine the About Window Outline.



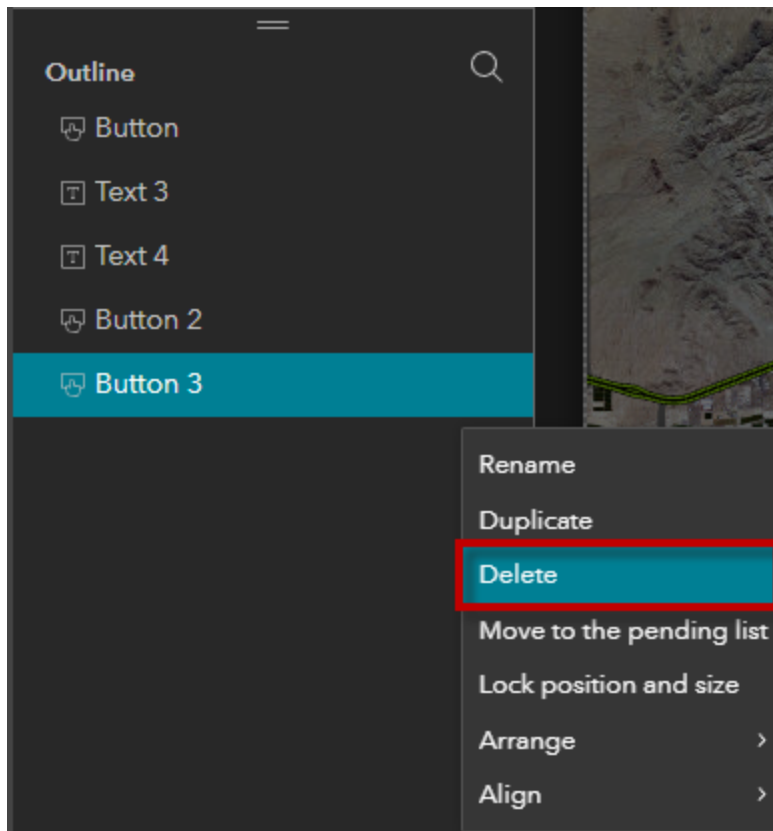
Delete the Image



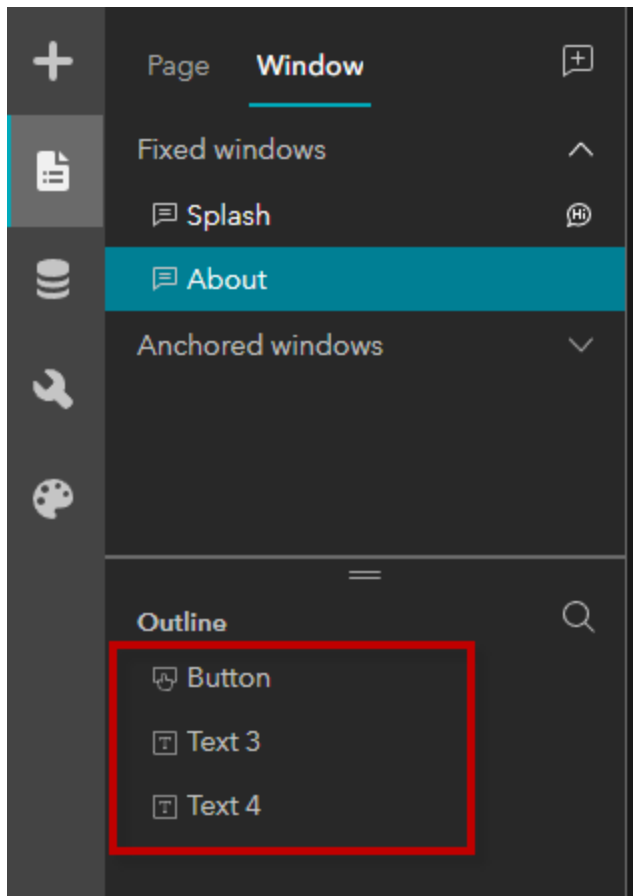
Delete Button 2



Delete Button 3



You are left with 3 widgets inside the About Window.



Rename the Title to **About**

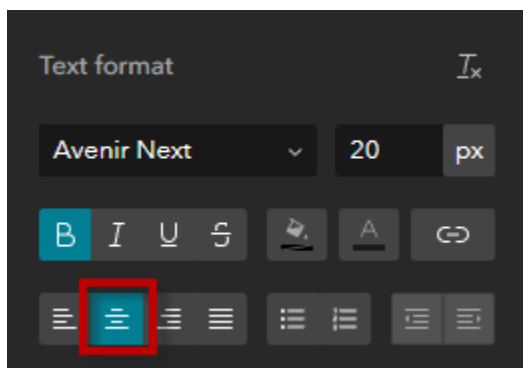
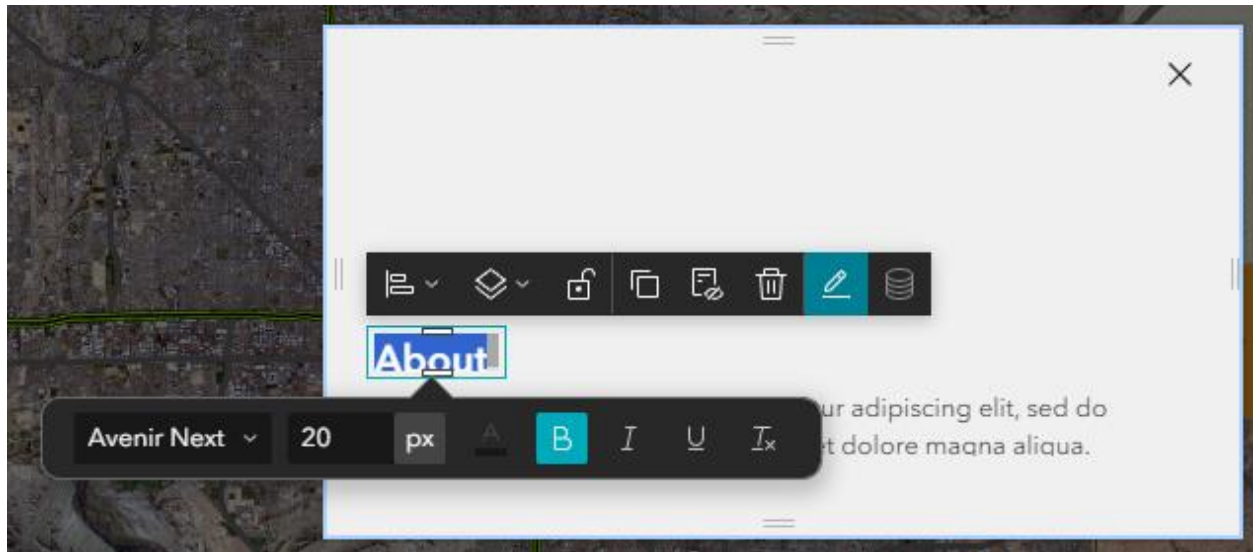
Highlight the text.

Font = Avenir Next

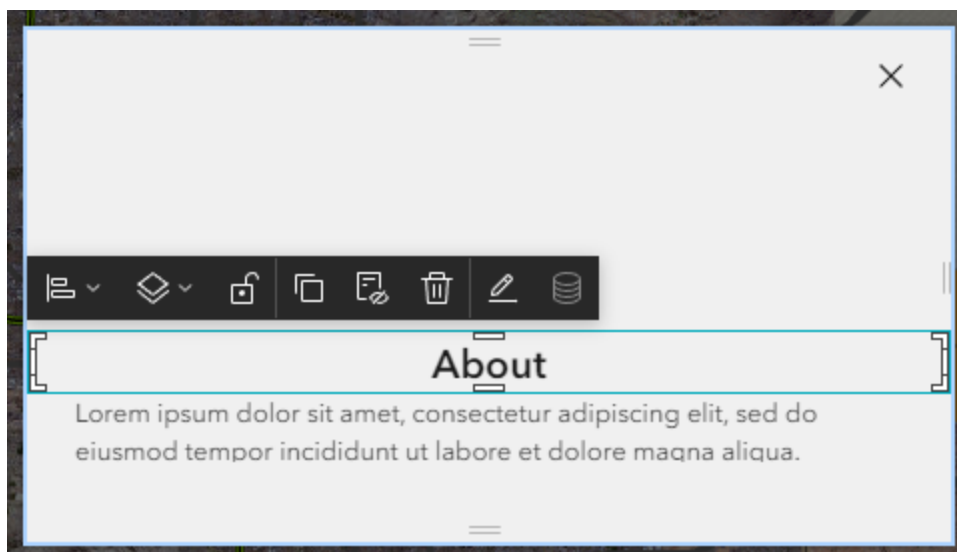
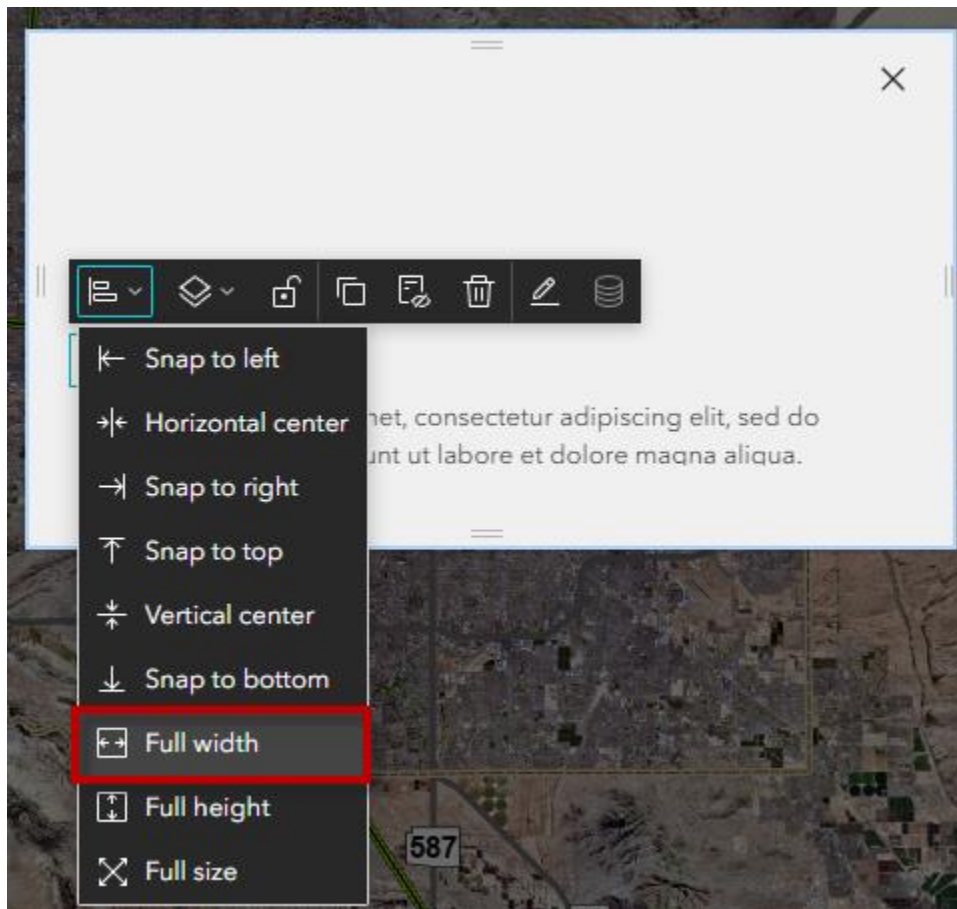
Font Size = 20

Bold

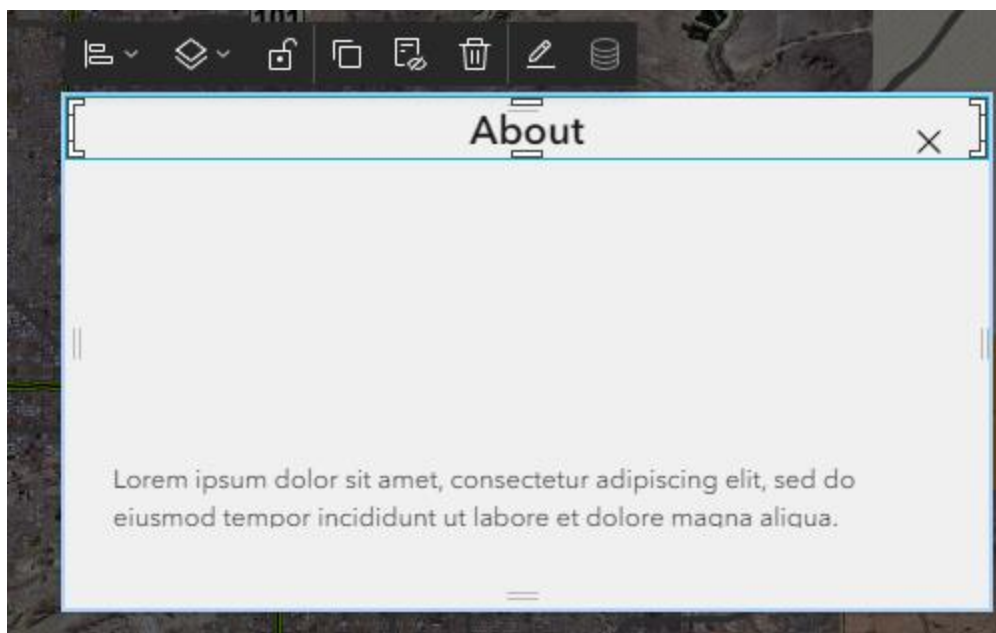
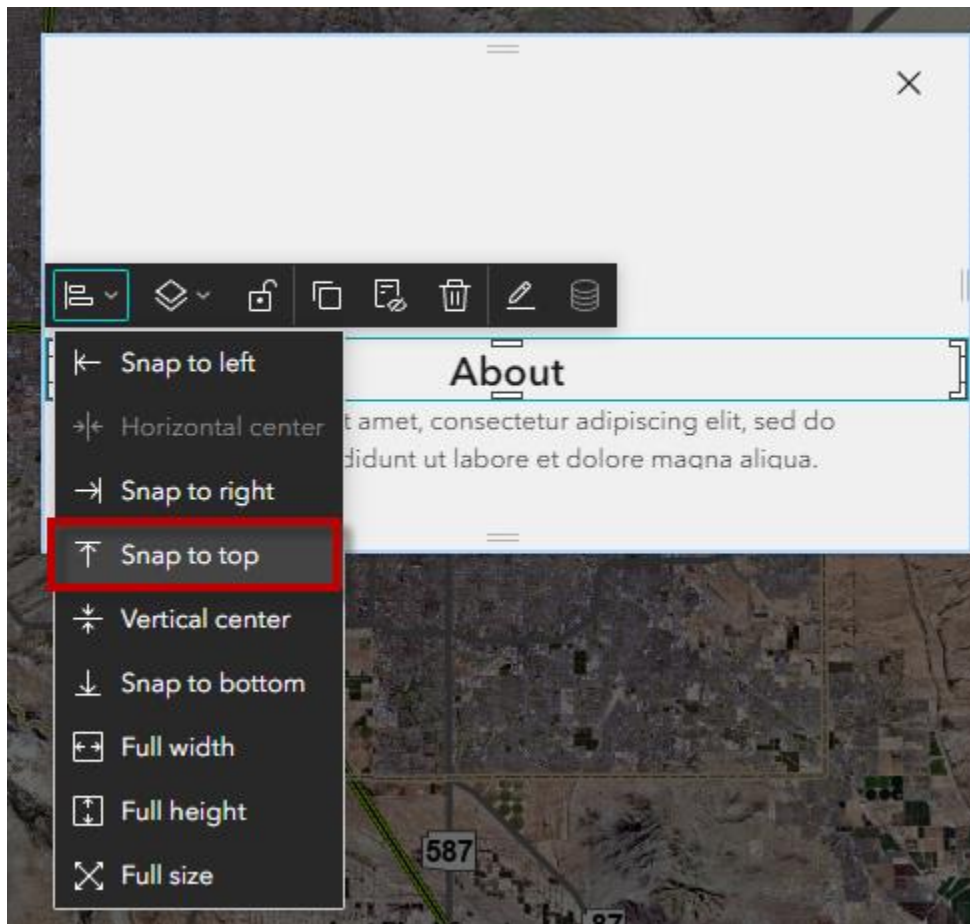
Centered



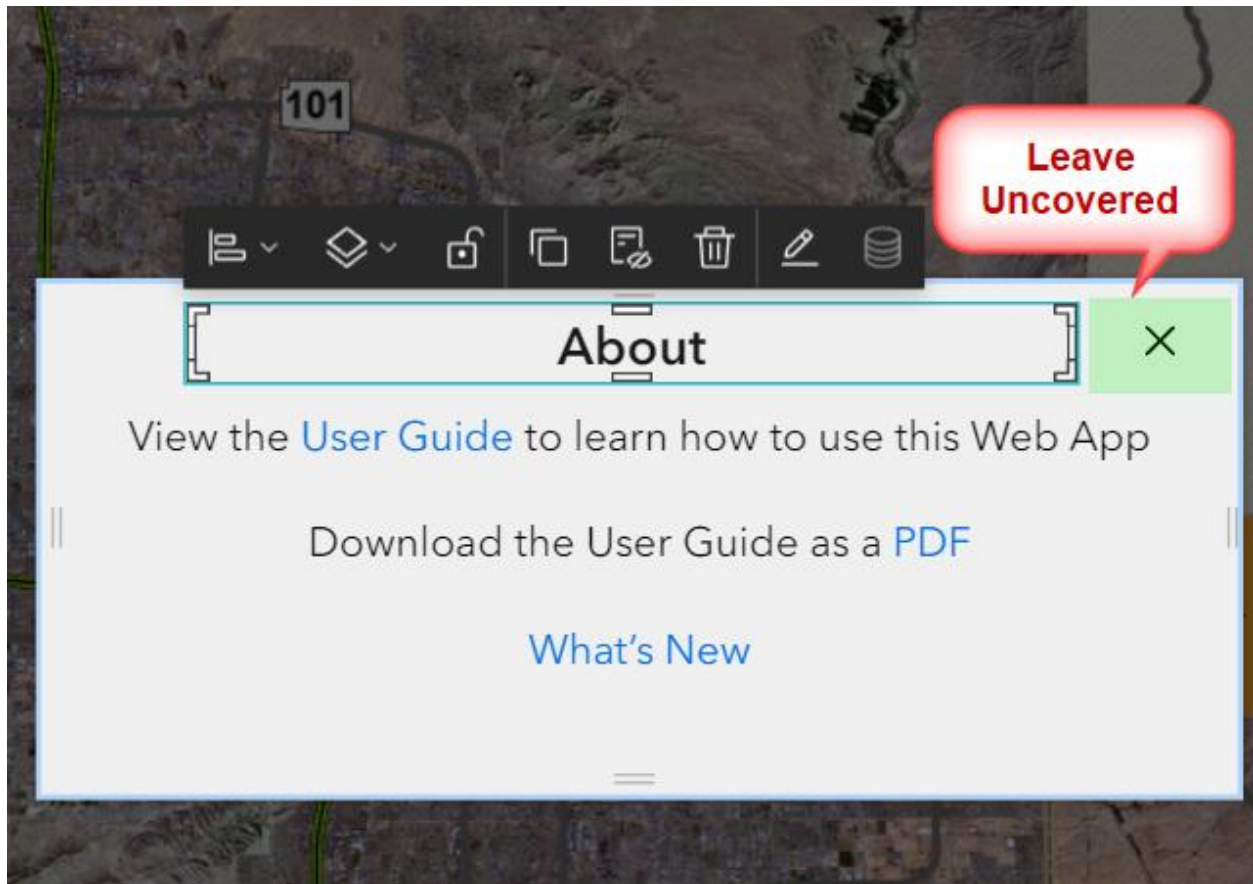
Align = Full Width



Align = Snap to Top

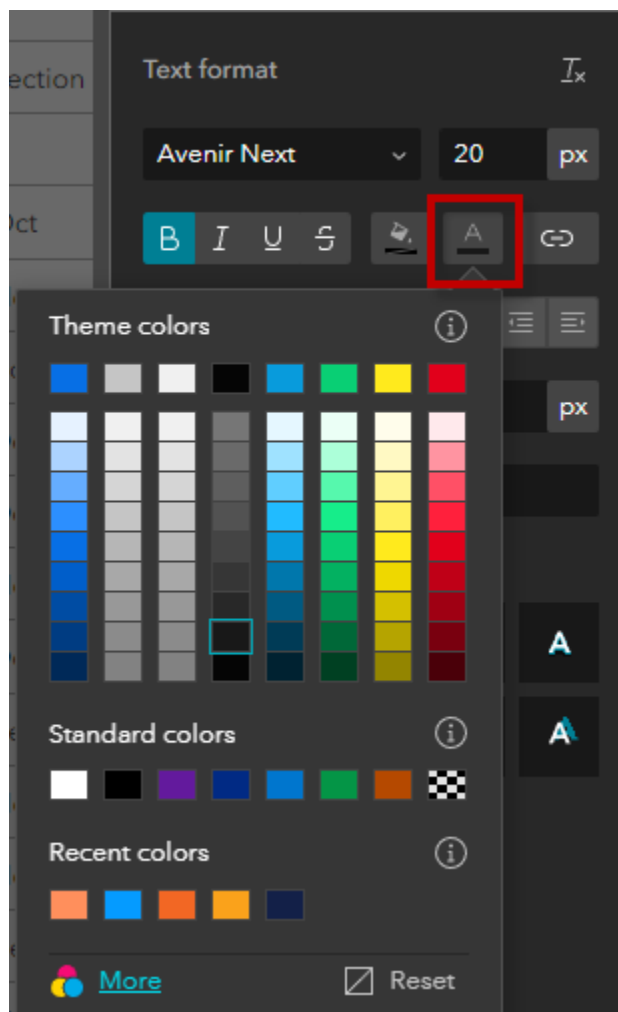


Reduce the widget so that it does not cover the X.

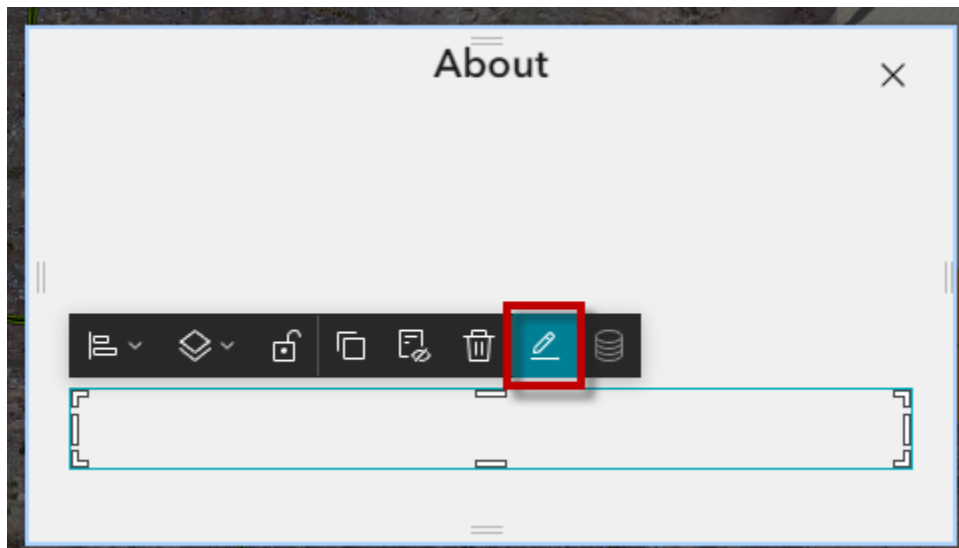


The X Tool is for closing the widget.

Change the Font Color to dark gray.



Edit the Text Box.

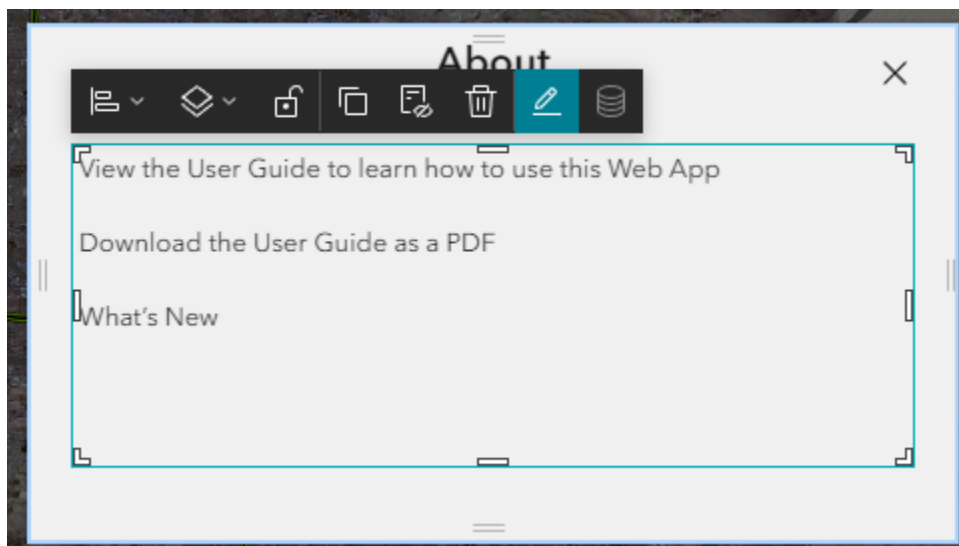


Enter this text:

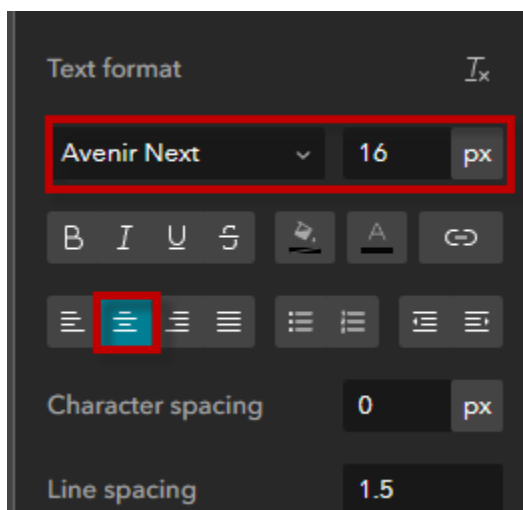
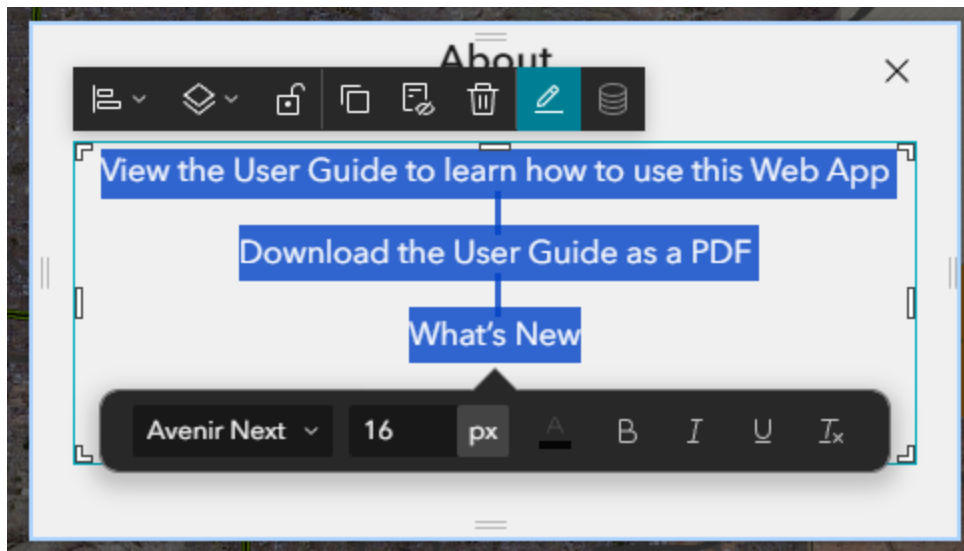
View the User Guide to learn how to use this Web App

Download the User Guide as a PDF

What's New



Font = Avenir Next
Font Size = 16
Centered

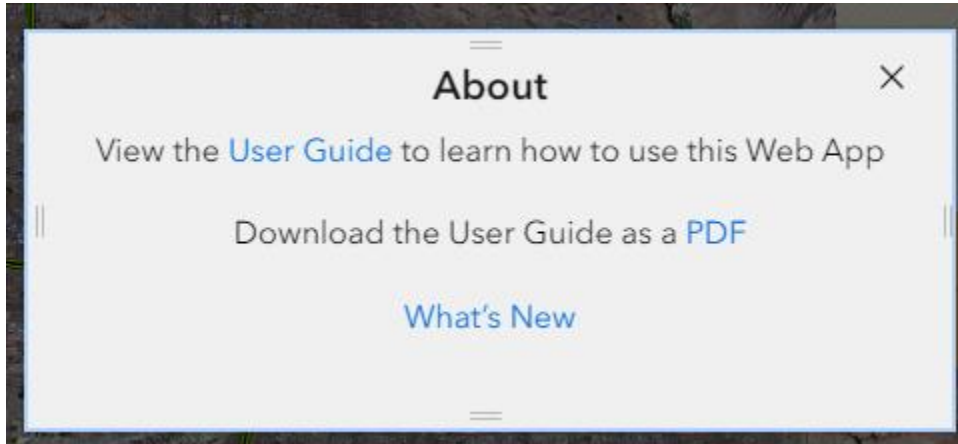


Add Hyperlinks:

User Guide = <https://daviddas2.github.io/HistoricalAerials/help/>

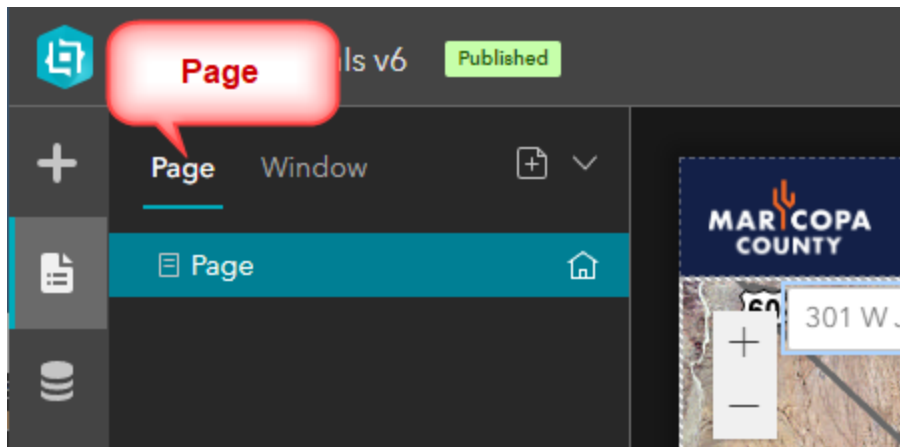
PDF = <https://daviddas2.github.io/HistoricalAerials/UserGuide.pdf>

What's New = <https://daviddas2.github.io/HistoricalAerials/WhatsNew.pdf>

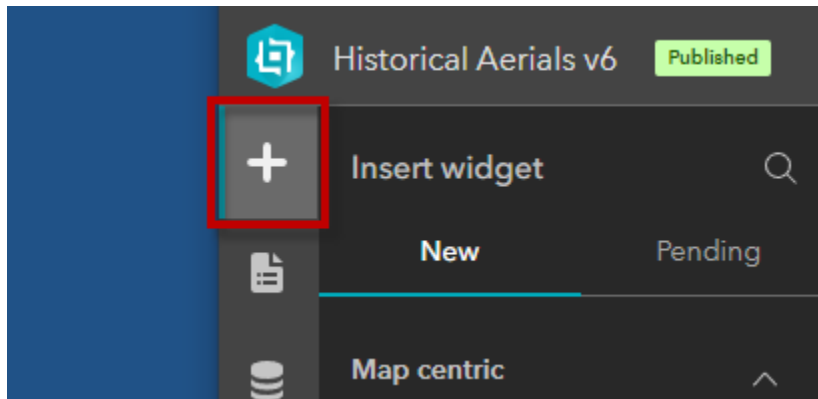


Next, you will add a button to open the About Window.

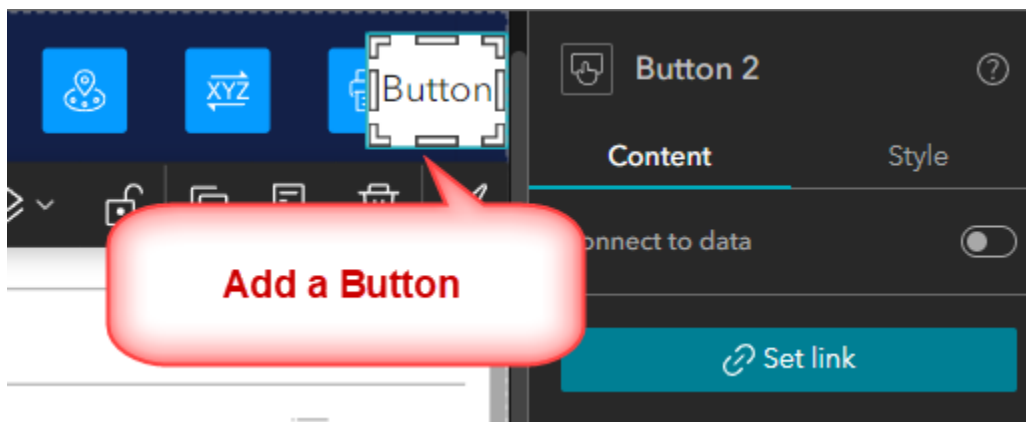
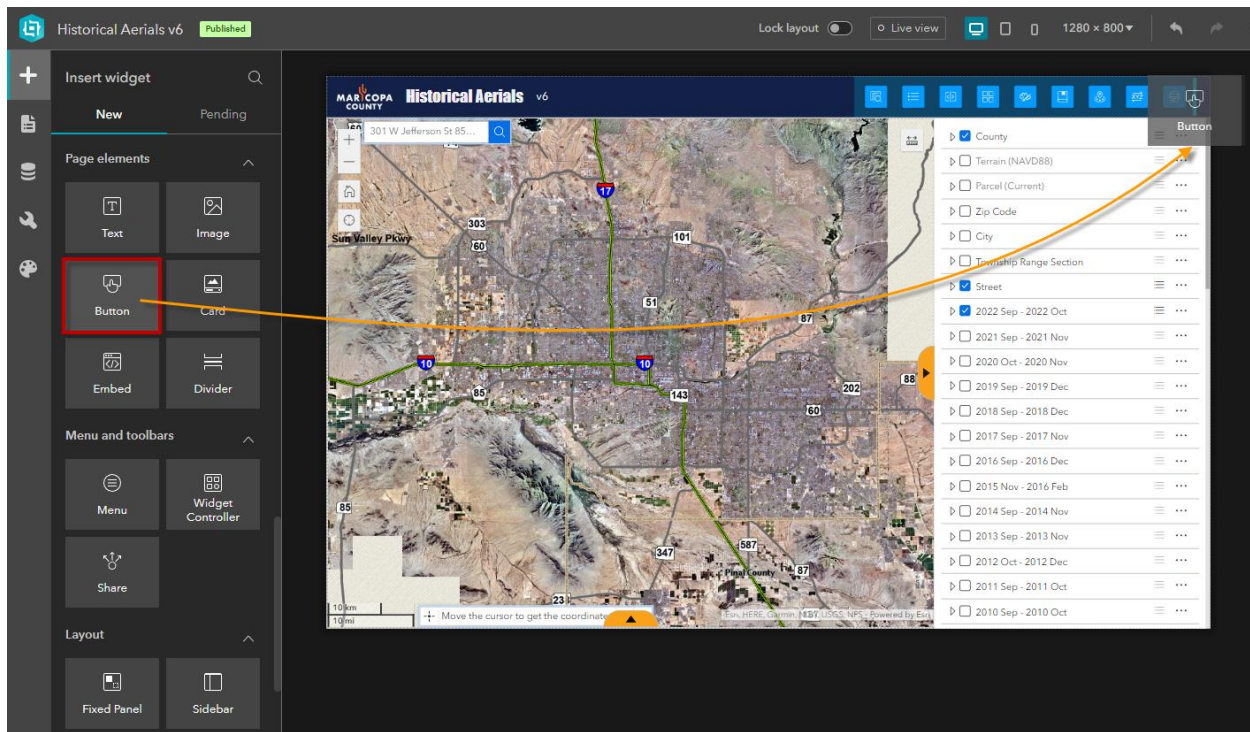
Open the Page Tab.



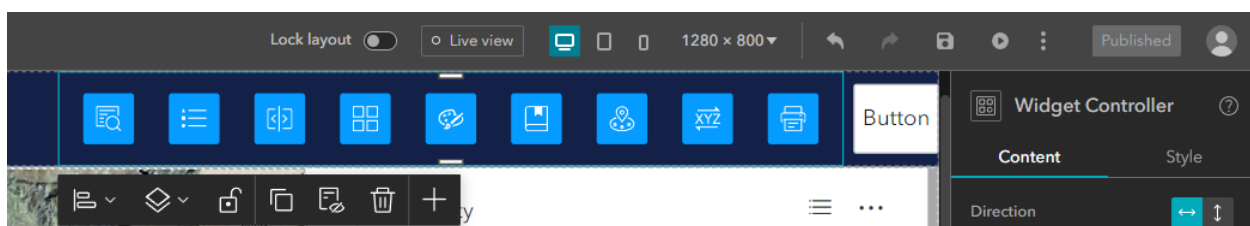
Open the Insert Tab



Add a Button to the right of the Widget Controller.

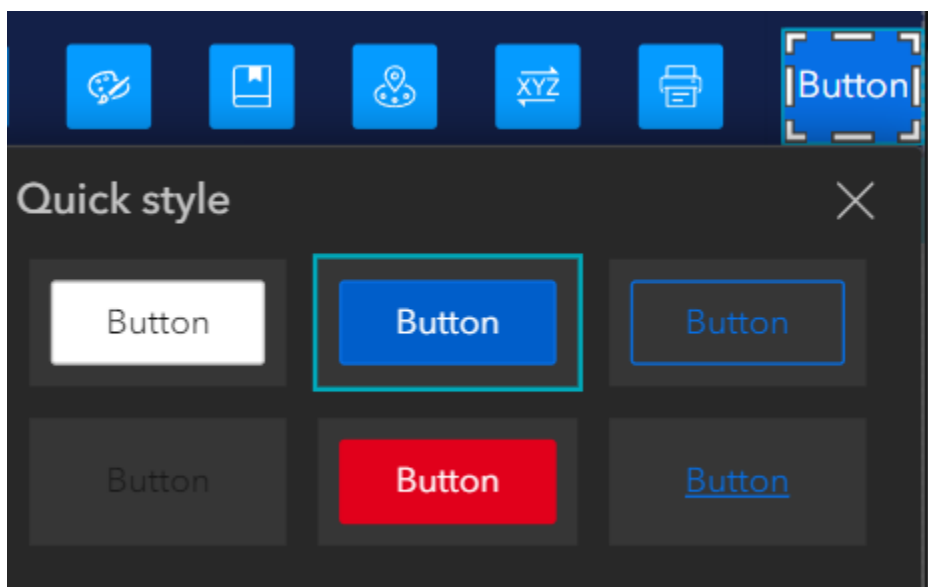
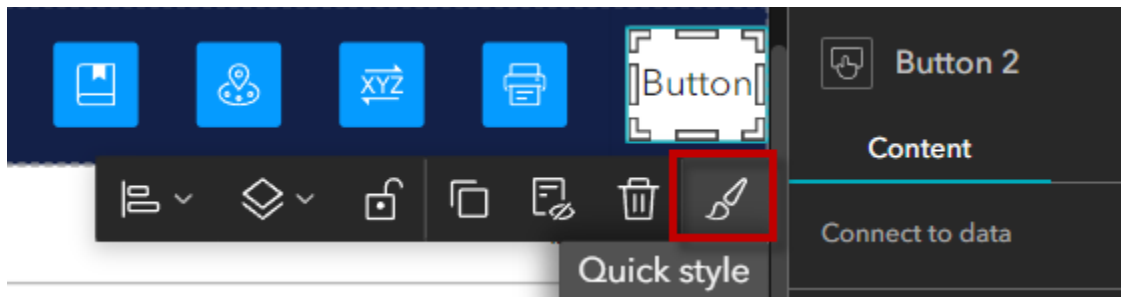


Nudge the Widget Controller to the left so that you can see the Print widget.



Select the Button Widget.

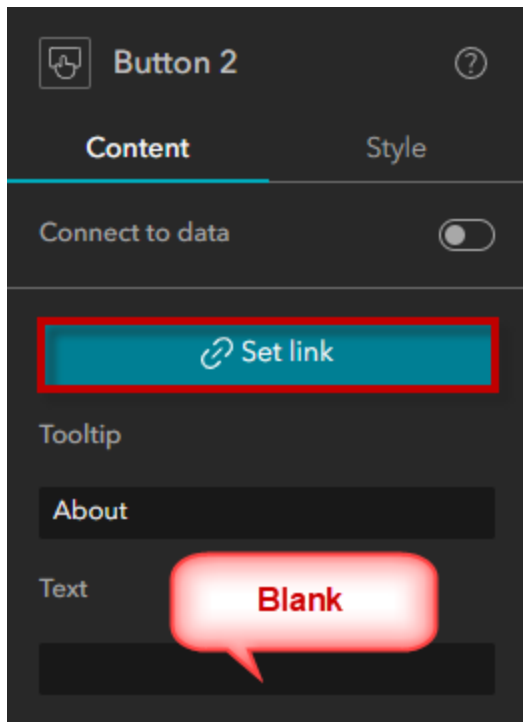
Change the Button Style



Tooltip = About

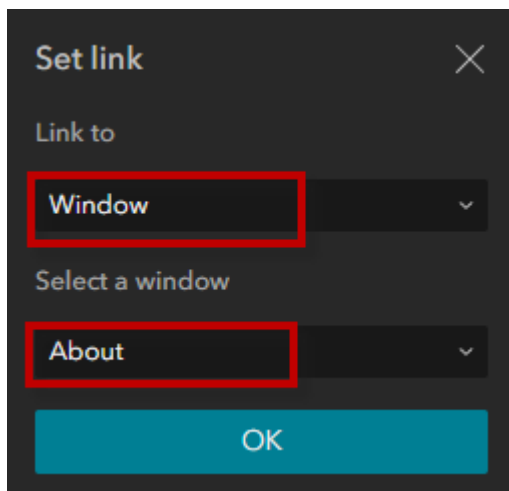
Text = blank

Set Link



Link to Window

Select Window = About



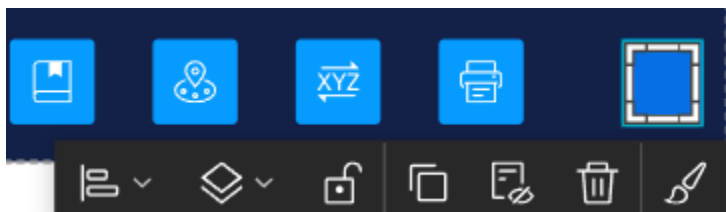
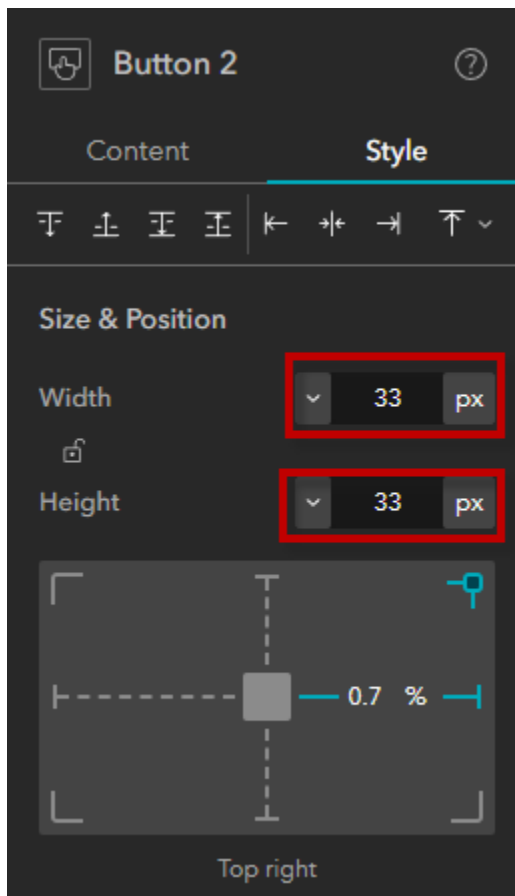
Open the Style Tab of the Button Widget.

Resize the button to match the Print Widget.

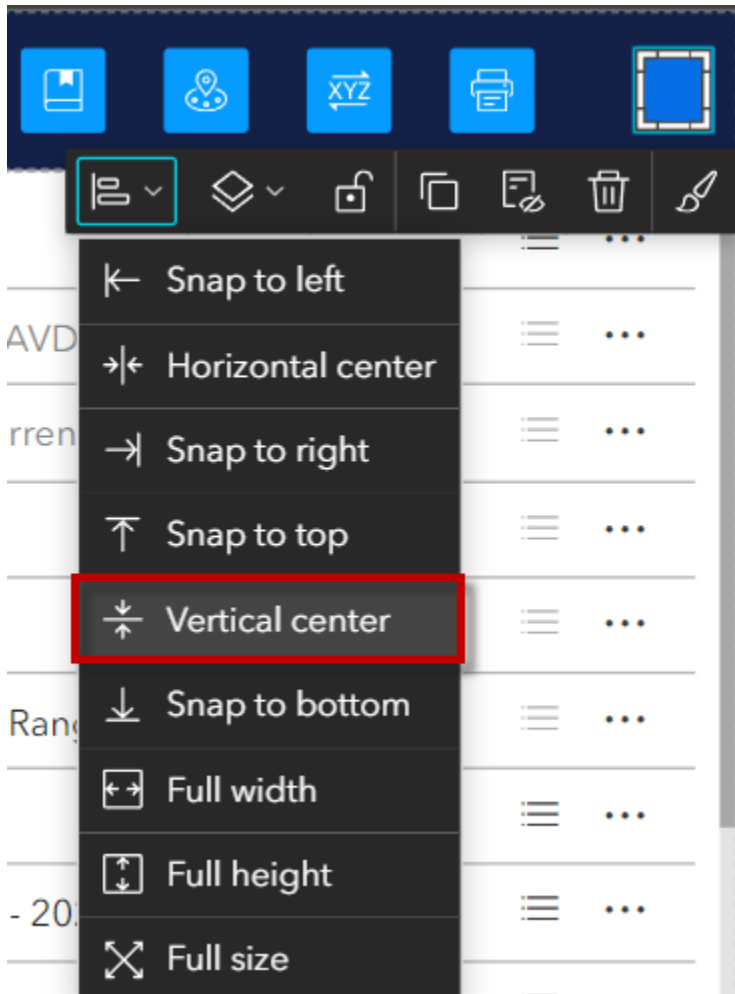
Change the units from % to pixels

Width = 33 px

Height = 33 px



Align = Vertical Center

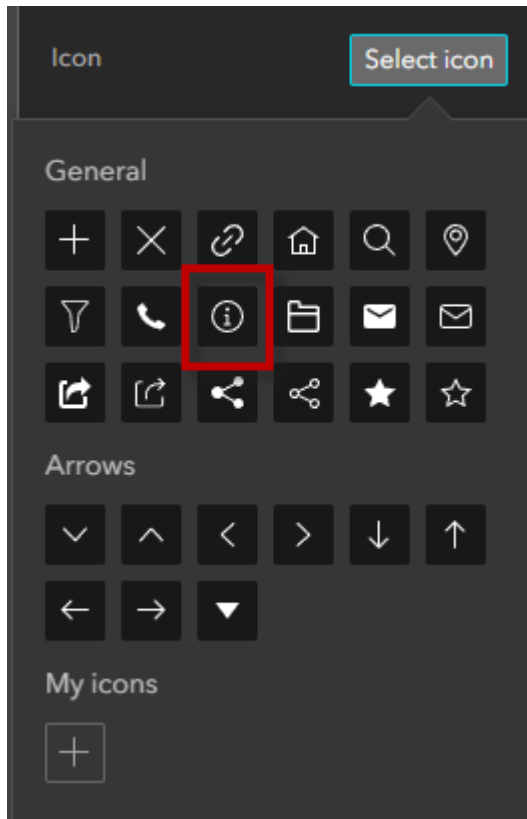


Select an Icon for the Button.

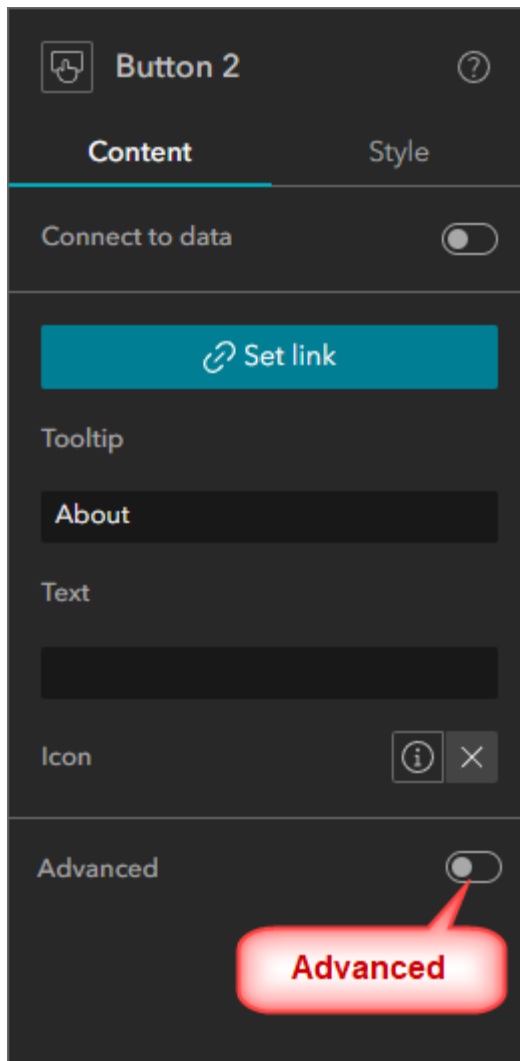
The image shows a configuration panel for a button, titled "Button 2". It has two tabs: "Content" (selected) and "Style". Under the "Content" tab, there are several settings:

- Connect to data:** A toggle switch that is currently turned off.
- Set link:** A teal button with a link icon.
- Tooltip:** A text input field containing the word "About".
- Text:** A text input field that is currently empty.
- Icon:** A section with a button labeled "Select icon", which is highlighted with a red rectangle.
- Advanced:** A toggle switch that is currently turned off.

Select the Info Icon.



Open Advanced Options

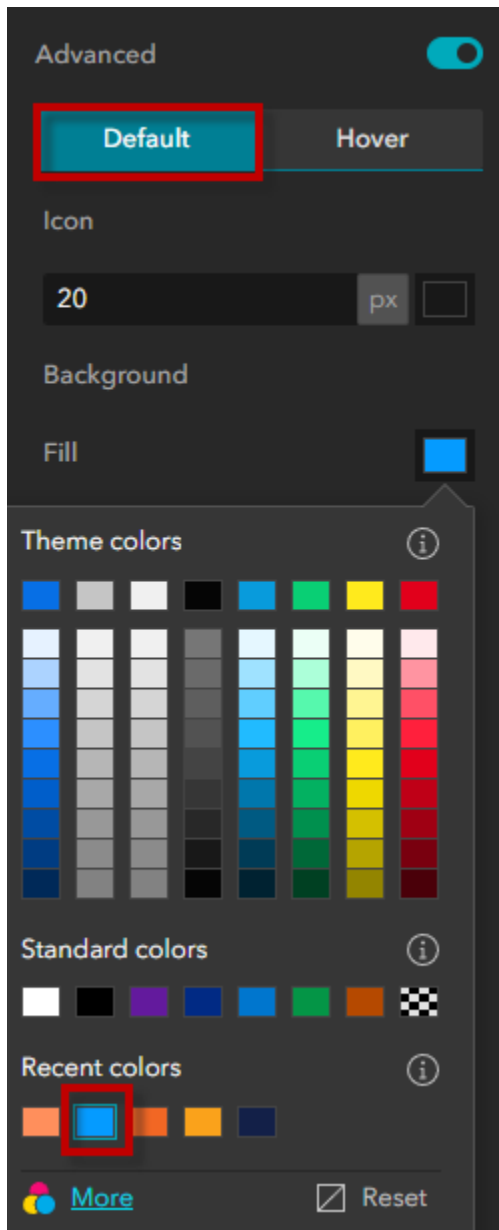


Advanced

Default

Icon Size = 20 px

Fill Color = #059bff

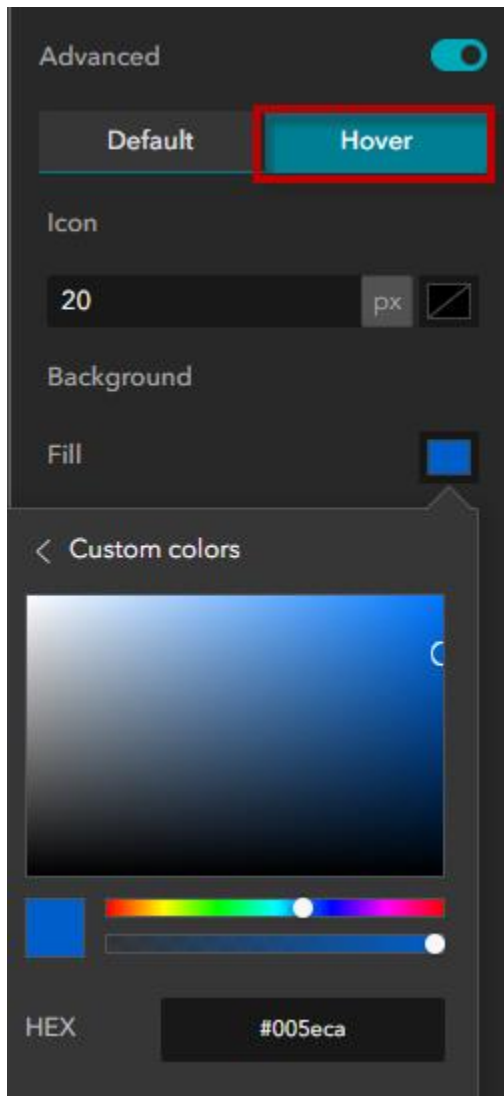


Advanced

Hover

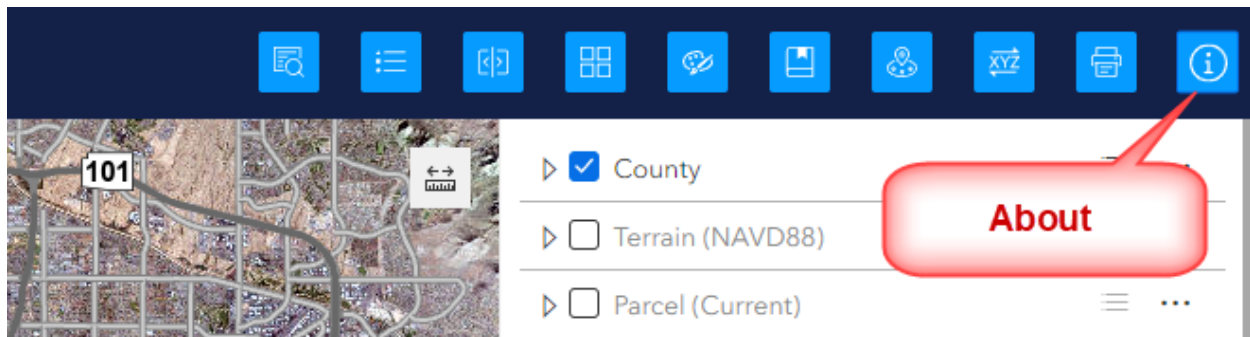
Icon Size = 20 px

Fill Color = #005eca

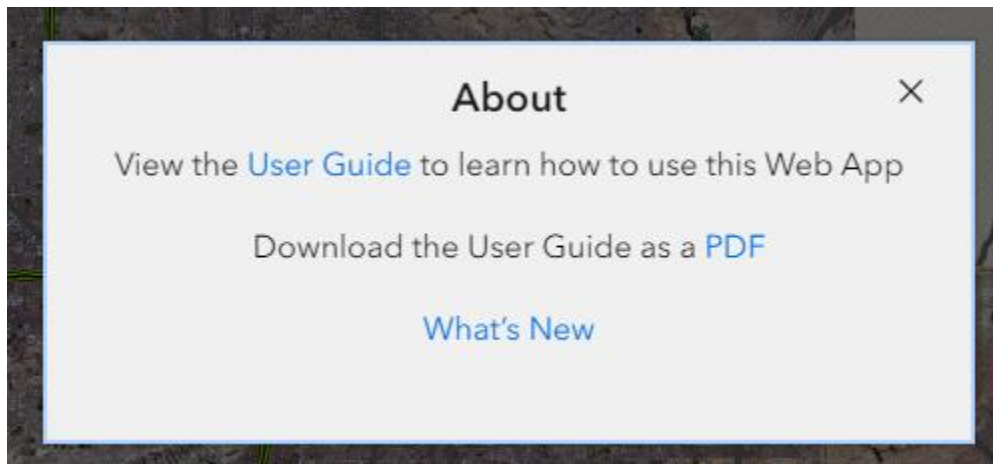


Save, Publish, View Published Item.

<https://localhost:3001/experience/5/>



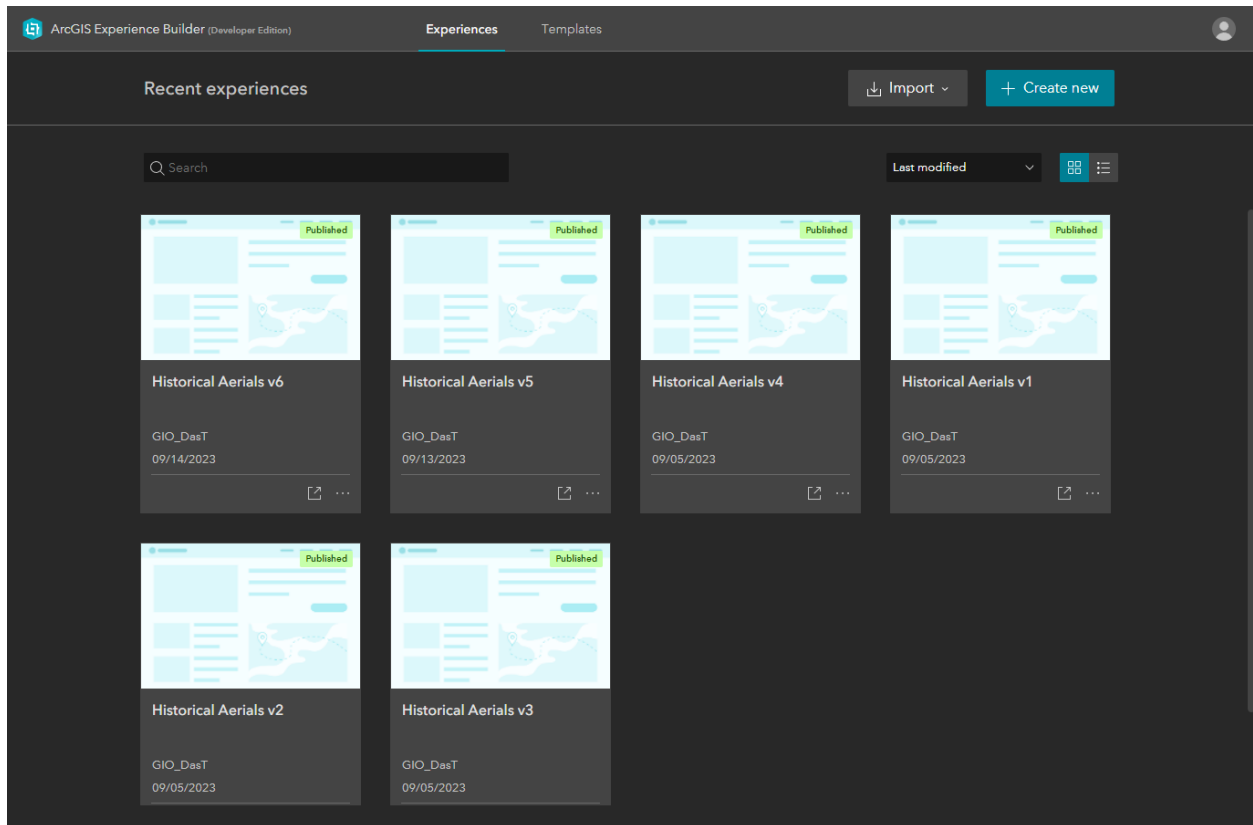
This opens the About Window.



There are 3 ways to close this window.

- Click on the X
- Click anywhere outside the About Window
- Click on the About Button on the Fixed Panel.

Go back to the Home Page.



You have created 6 iterations of the Historical Aerials Web App.

Everything that you have done so far on the Developer Edition 1.12 of EXB can also be done using the ArcGIS Online Edition of EXB.

You have created this Experience without writing a single line of code.

It is time to take another break!

Close this Tab.

Close the Command Window running the npm Server process.

This concludes Part-3 of this tutorial.

In Part-4 of this tutorial you will learn how to add the two Custom Widgets for **Google Maps** and **Pictometry**. They have been fully configured for you. You do not have to code a single line.

Custom widgets cannot be added to the AGOL Edition of EXB.