



# Getting Started with Experience Builder

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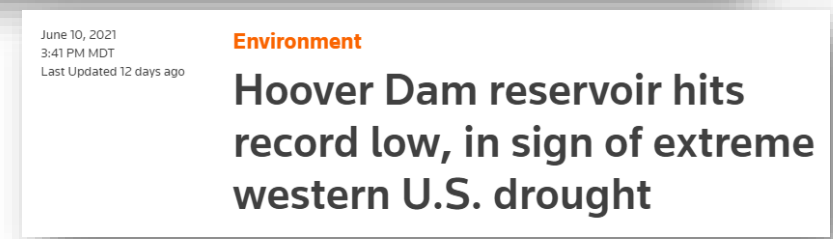
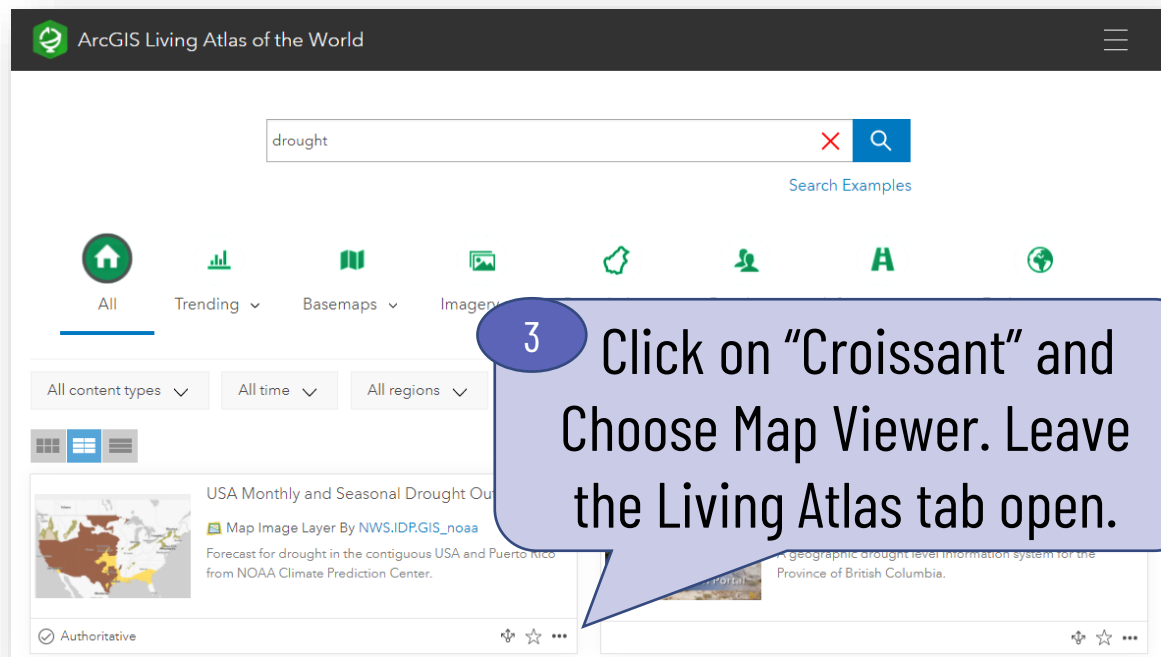
# Agenda

- 1 What is Experience Builder?
- 2 Firing up Experience Builder
- 3 Let the Configuration Commence
- 4 Adding Data to Your Experience
- 5 Configure Map Widget
- 6 Configure List Widget
- 7 Adding some Action
- 8 Add more maps to your Map
- 9 Add more maps to your Map
- 10 Map related Widgets: Legend, Layers and Bookmarks
- 11 Color your Experience: Pick your Theme
- 12 Customize your Header
- 13 Add a Second Page and Embed an App
- 14 Add a Menu to your Experience
- 15 Picture Gallery

## 2. Getting some Content Ready

We will start by picking two drought related maps to show on the first page of our "Experience"

- 1 Open a browser and visit <https://livingatlas.arcgis.com/>
- 2 Do a search for "Drought".



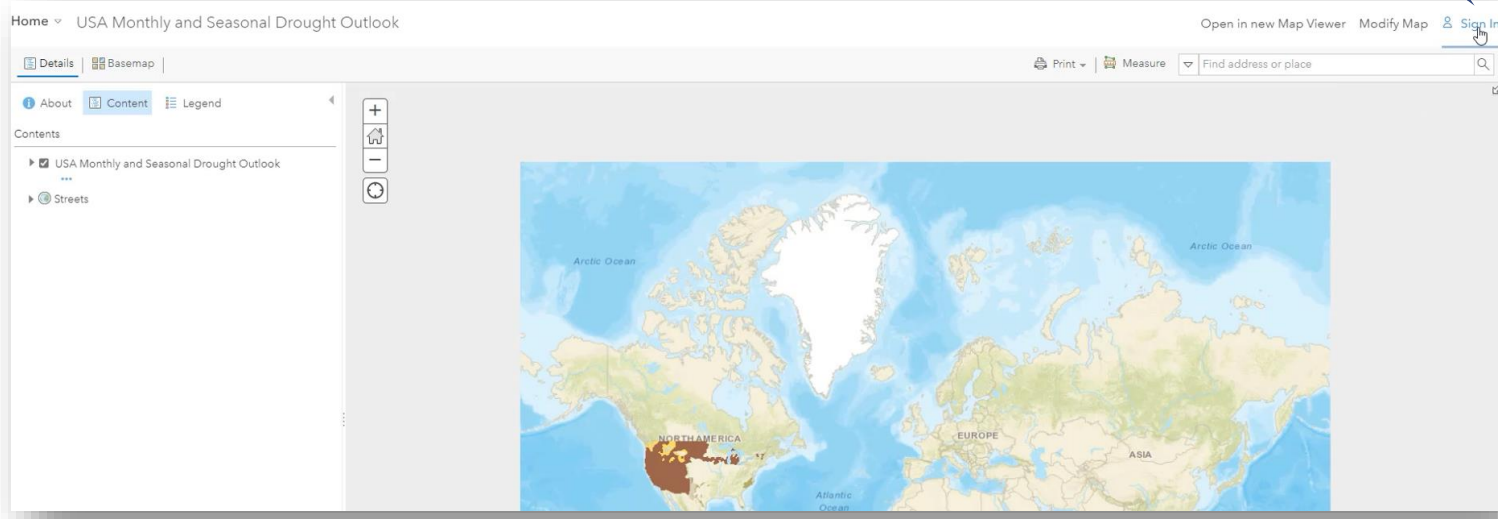
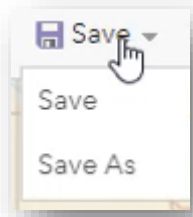
## 2. Getting some Content Ready

4 Sign into your ArcGIS Online Account

4 Sign into your ArcGIS Online Account

5 Zoom to the Western United States

6 Click on Save > Save As



Save Map

Title: USA Monthly Drought Outlook - WGR 1

Categories: + Assign Category

Tags: Experience Builder x Drought x Temp x

Summary: Map for experience build

Save in folder: wrobertson\_its

SAVE MAP CANCEL

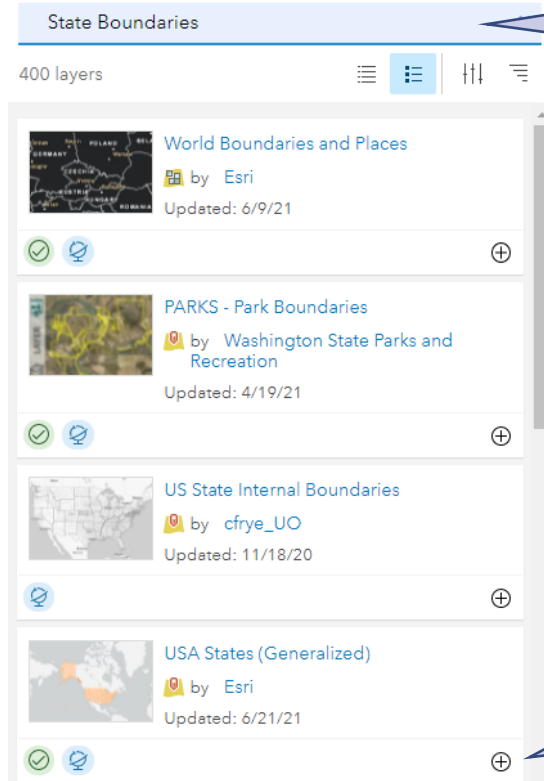
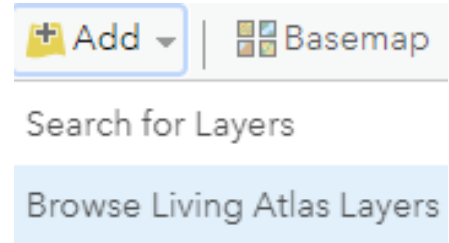
7 Add your initials to the end of the Title

8 Add "Temp" as a tag so you know it will be safe to delete later.

9 Click on Save Map

# 2. Getting some Content Ready

10 To make it easier to orient yourself we will add state boundaries. Click on Add > Browse Living Atlas Layers



11 Do a Search for "State Boundaries"

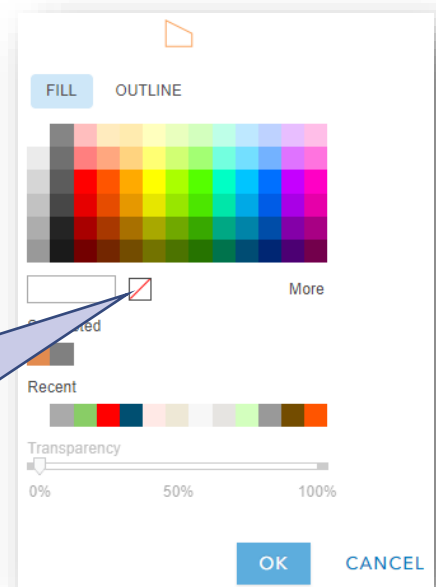
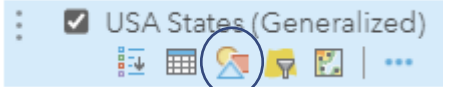
12 Add the USA States (Generalized)

13 Click on the "Change Style Button" for the State Boundaries layer

14 Show location only, and then click on Options

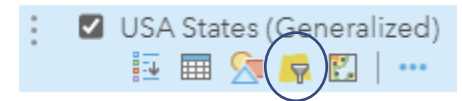
15 Click on  Symbols

16 Set the fill to no color and then click OK



## 2. Getting some Content Ready

- 17 Click OK again, and then Done, to close the Change Style dialog box
- 18 Next, we will filter and display only the Western States. Click on Filter
- 19 Click [+ Add another expression](#) 5 times, so there are 6 statements



20

Click on the Drop-down and choose "Display features in the layer that match **any** of the following expressions"

Filter: USA States (Generalized)

Create

[+ Add another expression](#)  Add

Display features in the layer that match all of the following expressions

Display features in the layer that match all of the following expressions

Display features in the layer that match any of the following expressions

AGE\_10\_14 is

Ask for values  Value  Field  Unique

AGE\_10\_14 is

Ask for values  Value  Field  Unique

AGE\_10\_14 is

Ask for values  Value  Field  Unique

[APPLY FILTER](#) [APPLY FILTER AND ZOOM TO](#) [CLOSE](#)

21

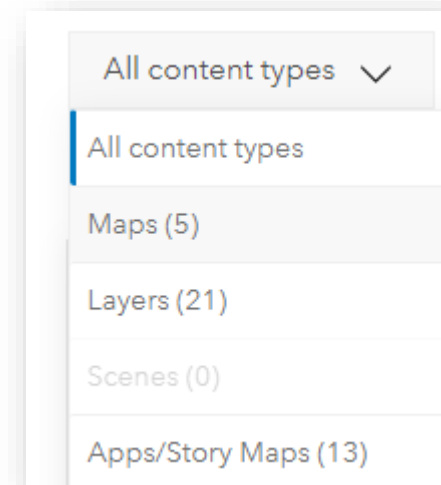
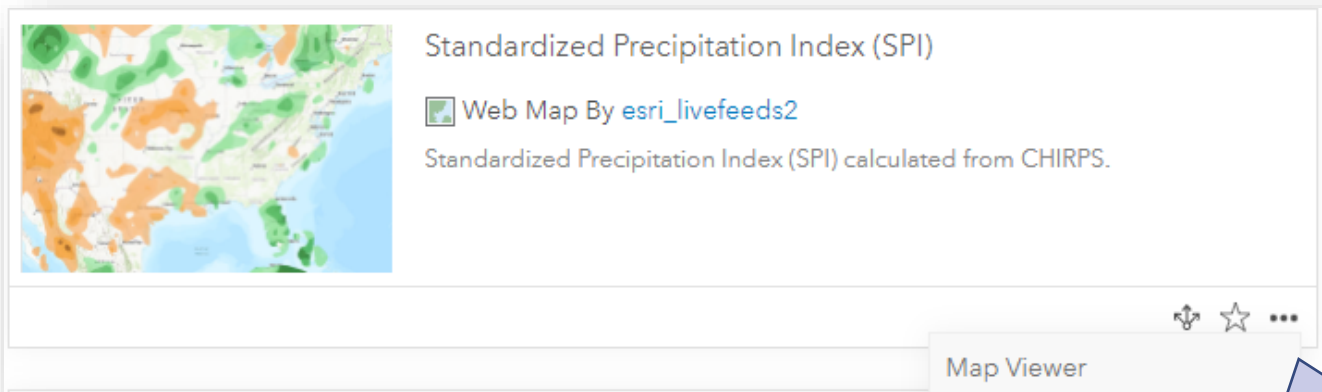
Use this expression, click on "Unique" before picking Idaho from the list. Then repeat for Utah, Nevada, California, Oregon and Washington

Name is Idaho

Ask for values  Value  Field  Unique

## 2. Getting some Content Ready


- 22 Click "Apply Filter". We will use this layer to help zoom and filter the map in the Experience
- 23 Save your map
- 24 For the second map go back to the Living Atlas (<https://livingatlas.arcgis.com/>). If not already put in, type in "Drought" in the search box
- 25 Click on All content types and then choose Maps

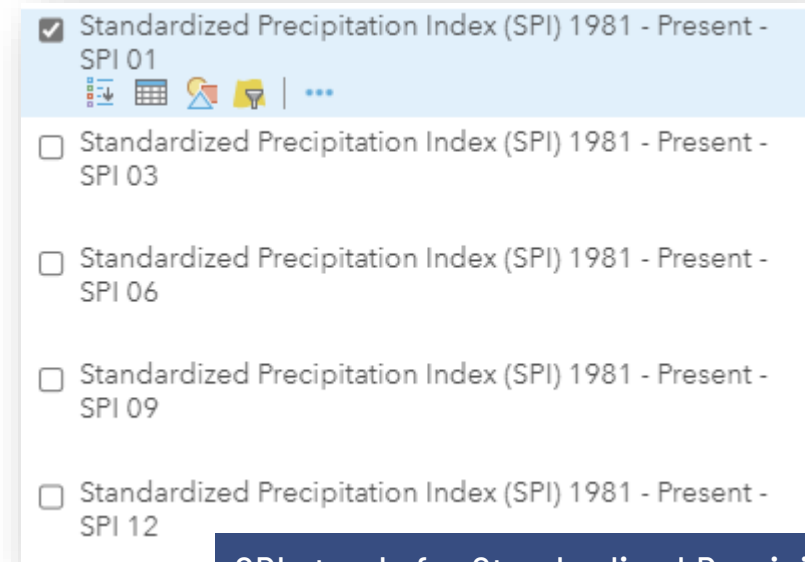


26

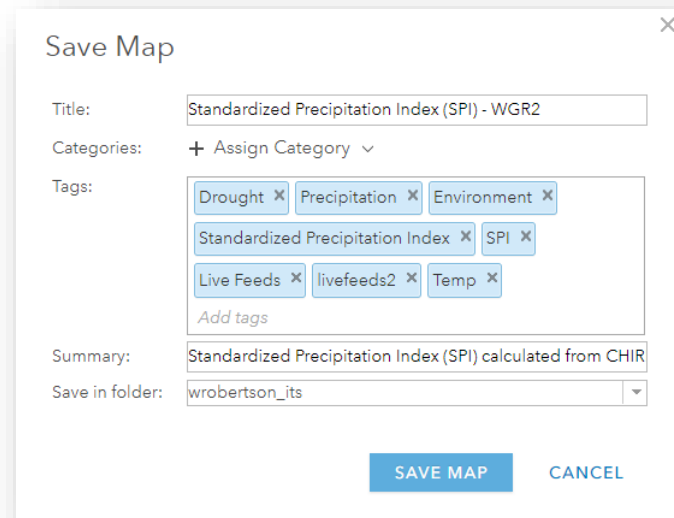
Open the map in a Map Viewer

## 2. Getting some Content Ready

- 27 Sign into your ArcGIS Online account if needed
- 28 Click on  and turn on the SPI 01
- 29 As on the last map, add the "USA States (Generalized)" from the Living Atlas, make the symbols hollow and show only the Western states
- 30 Zoom to the Western United States
- 31 Click on Save > Save As
- 32 Add your initials to the Title
- 33 Add the Temp tag
- 34 Save your Map



SPI stands for Standardized Precipitation Index. It looks at the difference between the expected precipitation compared to what actually happened. 01 = monthly average, 03 = 3-month average, etc.



Save Map

Title: Standardized Precipitation Index (SPI) - WGR2

Categories: + Assign Category

Tags: Drought x Precipitation x Environment x  
Standardized Precipitation Index x SPI x  
Live Feeds x livefeeds2 x Temp x  
Add tags

Summary: Standardized Precipitation Index (SPI) calculated from CHIR

Save in folder: wrobertson\_its

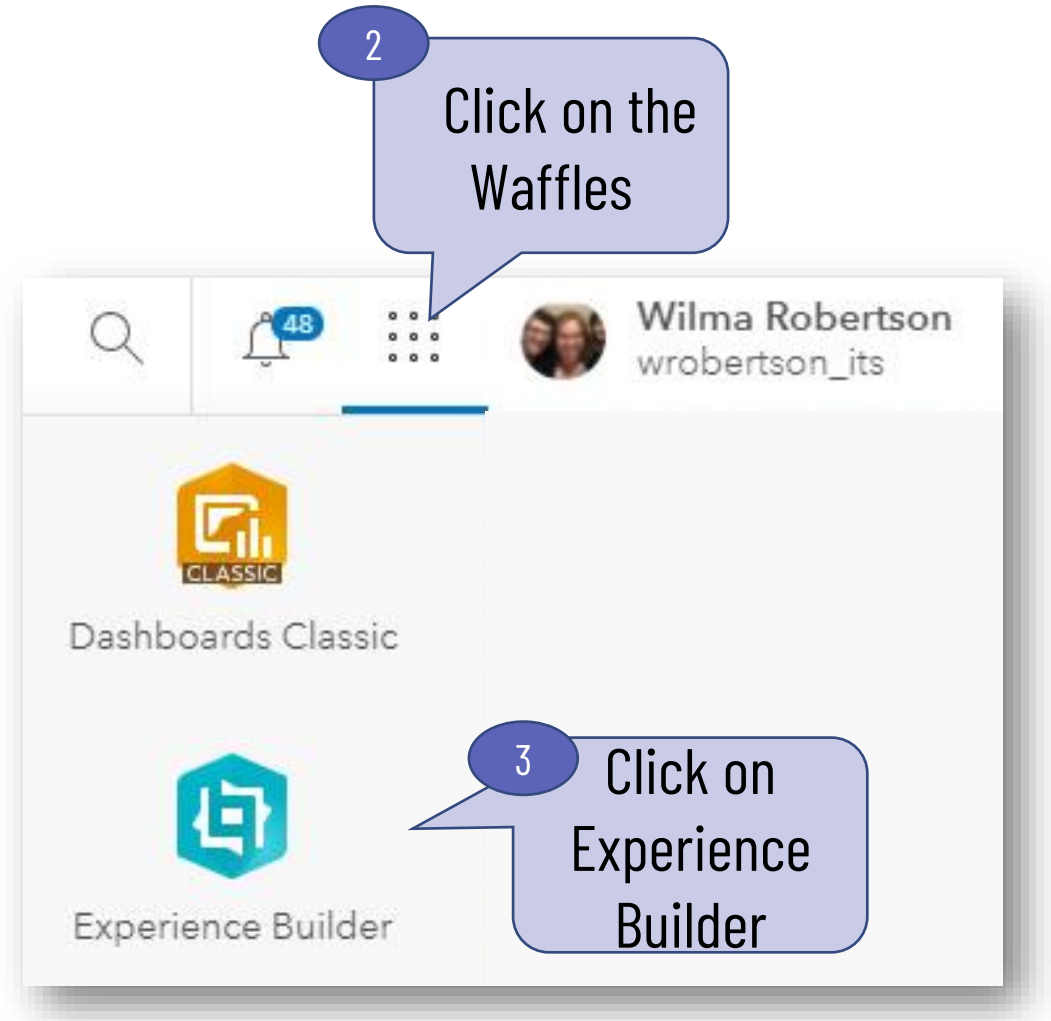
SAVE MAP CANCEL



# 3. Firing up Experience Builder

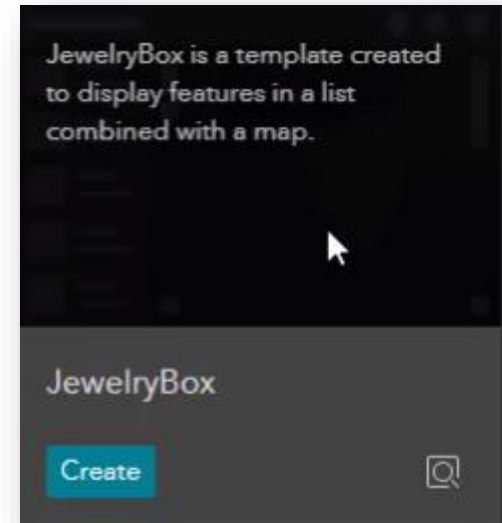
- 1 Go to the Content Page in ArcGIS Online (look for this in the top-left hand side of your screen)
- 4 After Experience builder is fired up click on

+ Create new



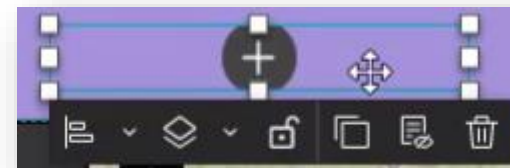
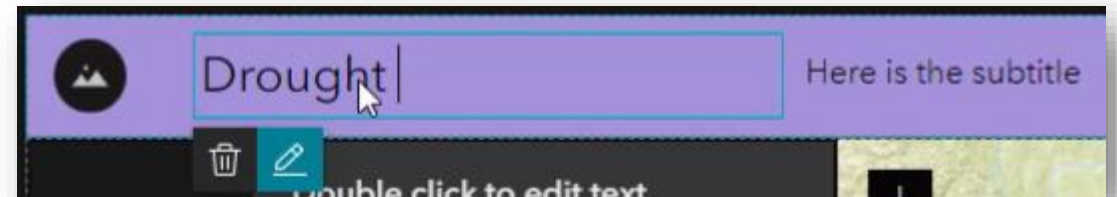
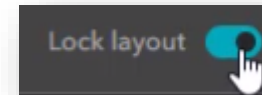
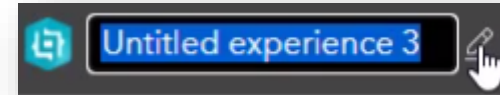
## 3. Firing up Experience Builder

- 5 Hover over the Jewelry Box template to see a description and then click on Create in the Jewelry Box
- 6 Click on Create



# 4. Let the configuration commence

- 1 Click on the pencil next to the Experience name and rename to "Drought in the Western USA - Your Initials"
- 2 Unlock the layout so we can move some and delete some elements by moving the slider to the left
- 3 Double click on the title and change it to "Drought in the Western USA"
- 4 To ensure you can see your entire title click on the Subtitle box and delete by clicking on the garbage can

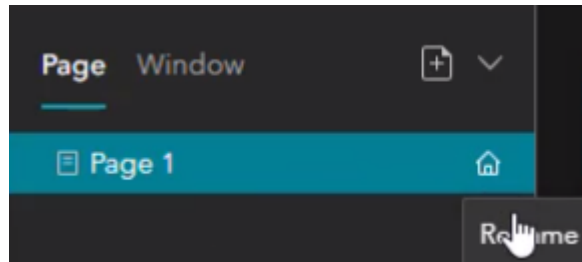


## 4. Let the configuration commence

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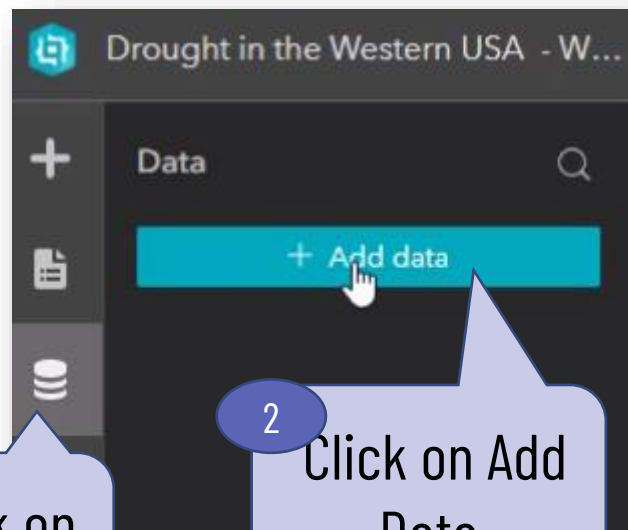
5 Grab the handles for the title box and enlarge it so your whole title is visible



6 Hover over "Page 1" near the top-left corner of your map until you see the ... Then Click on rename. Rename to "Drought maps"

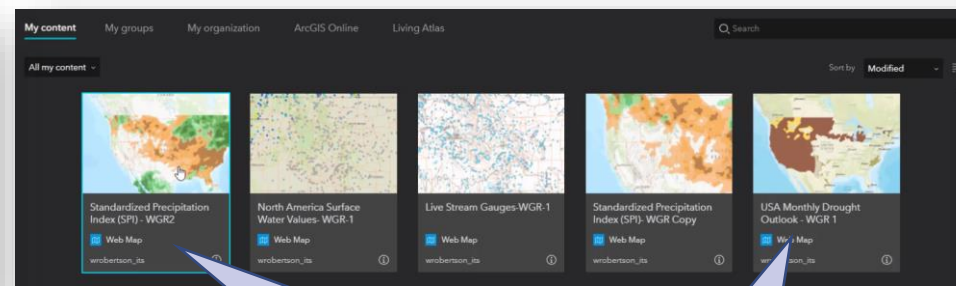
# 5. Add Data to your Experience

Before configuring the map and list widgets we need to add data to our Experience



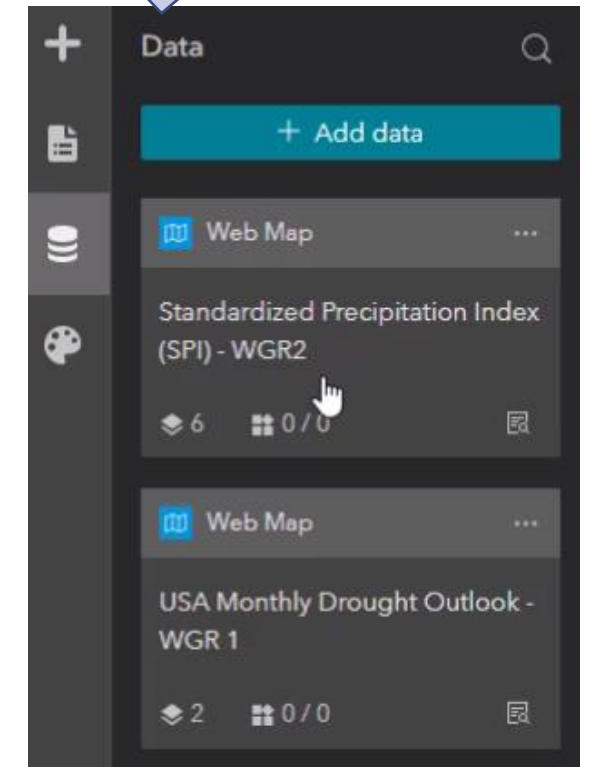
1  
Click on  
Data

2  
Click on Add  
Data



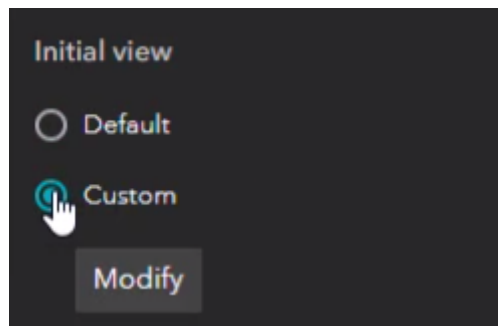
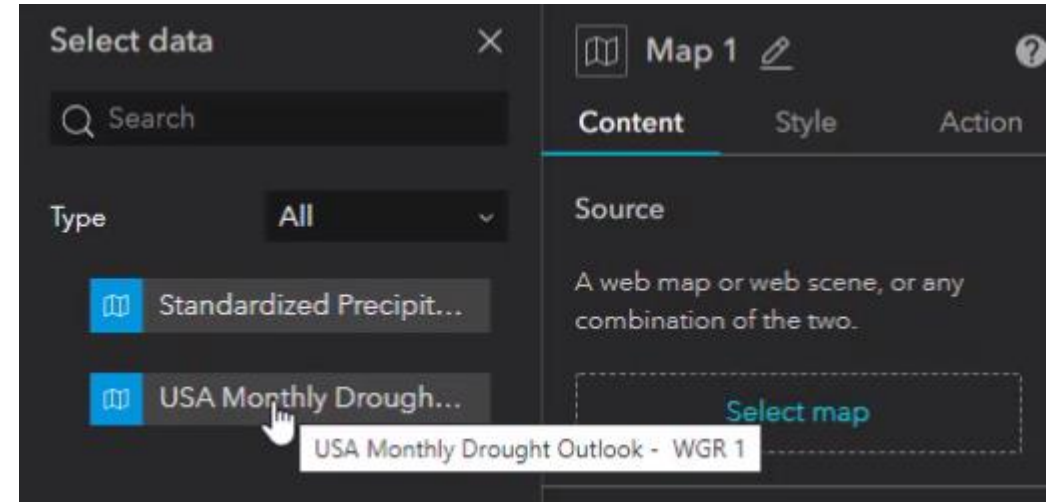
3  
Select **both** maps that  
you made earlier, and  
then click on Done

4  
Confirm both Web Maps  
are added to "Data"



# 6. Configure Map Widget

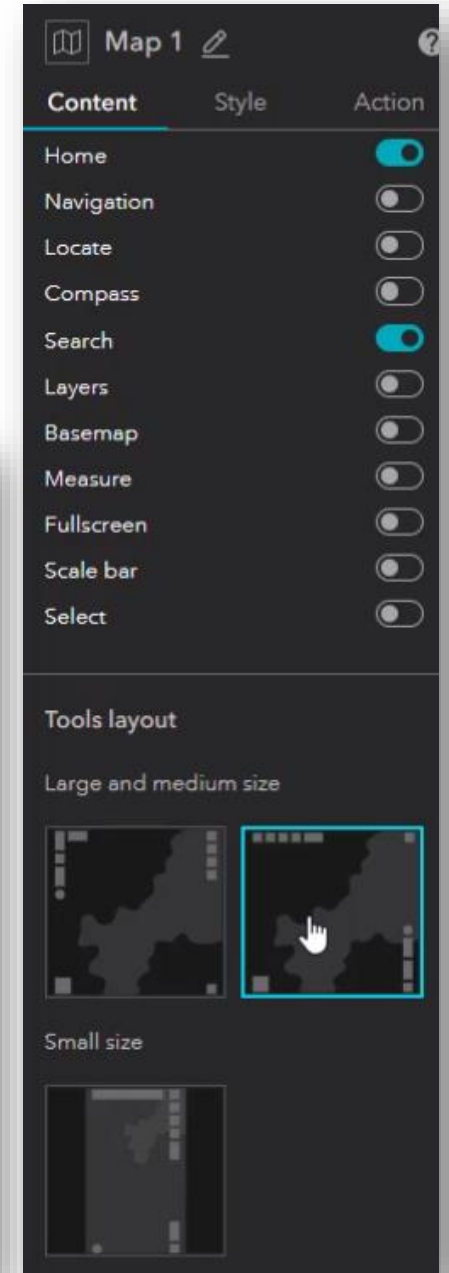
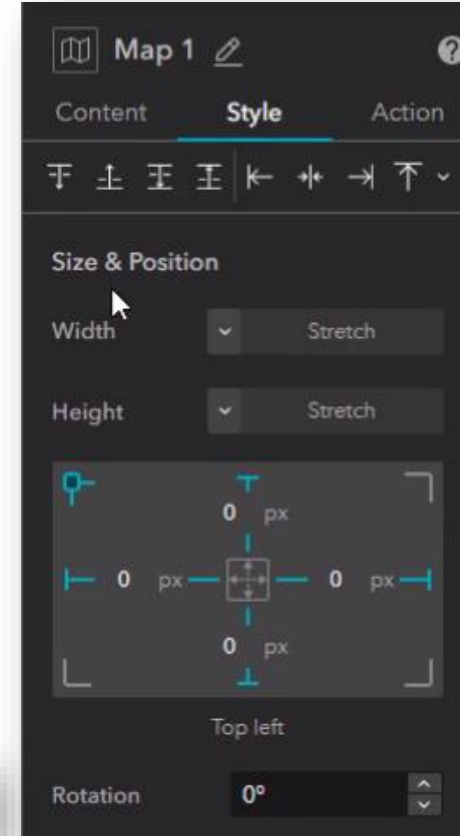
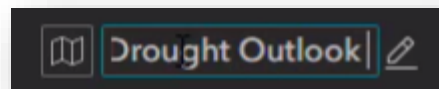
- 1 Click on the map in the Experience builder to open up it's setting
- 2 Click on "Select map"
- 3 Choose the USA Drought Outlook map with your initials on it
- 4 Click the X to the right of "Select data" to close the panel



- 5 Click on Custom on the Initial View to set a custom extent on our drought map
- 6 Click on Modify and the zoom the map closer to the Western United States. Click OK when you are satisfied

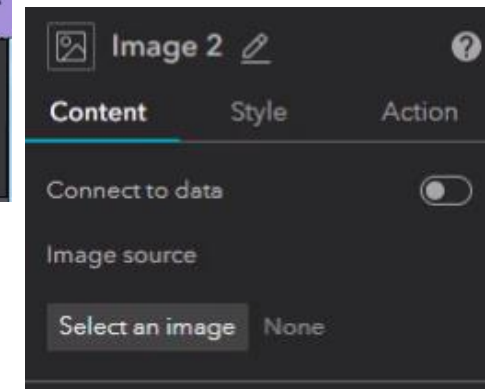
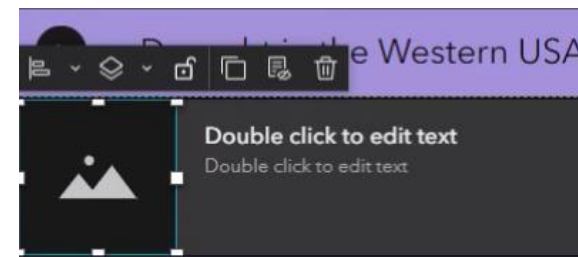
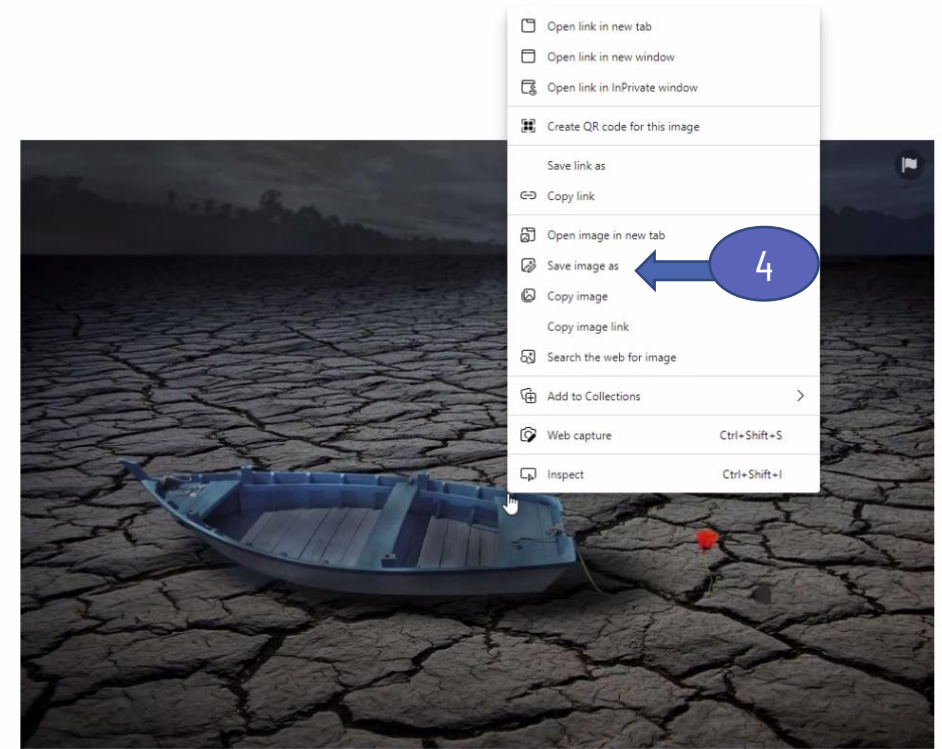
# 6. Configure Map Widget

- 7 Note how you can enable and disable various widgets and change the position of those widgets on your map.
- 8 Click on the Style tab and notice the controls you have for setting the size of the map, border color and size, etc.
- 9 Every element has a name. Even though this name is not visible to the people viewing your experience, it may help you organize your widgets, especially if you have many of the same type. Click on the pencil next to "Map 1" and change the name of the map widget to "Drought Outlook Map"



# 7. Configure List Widget

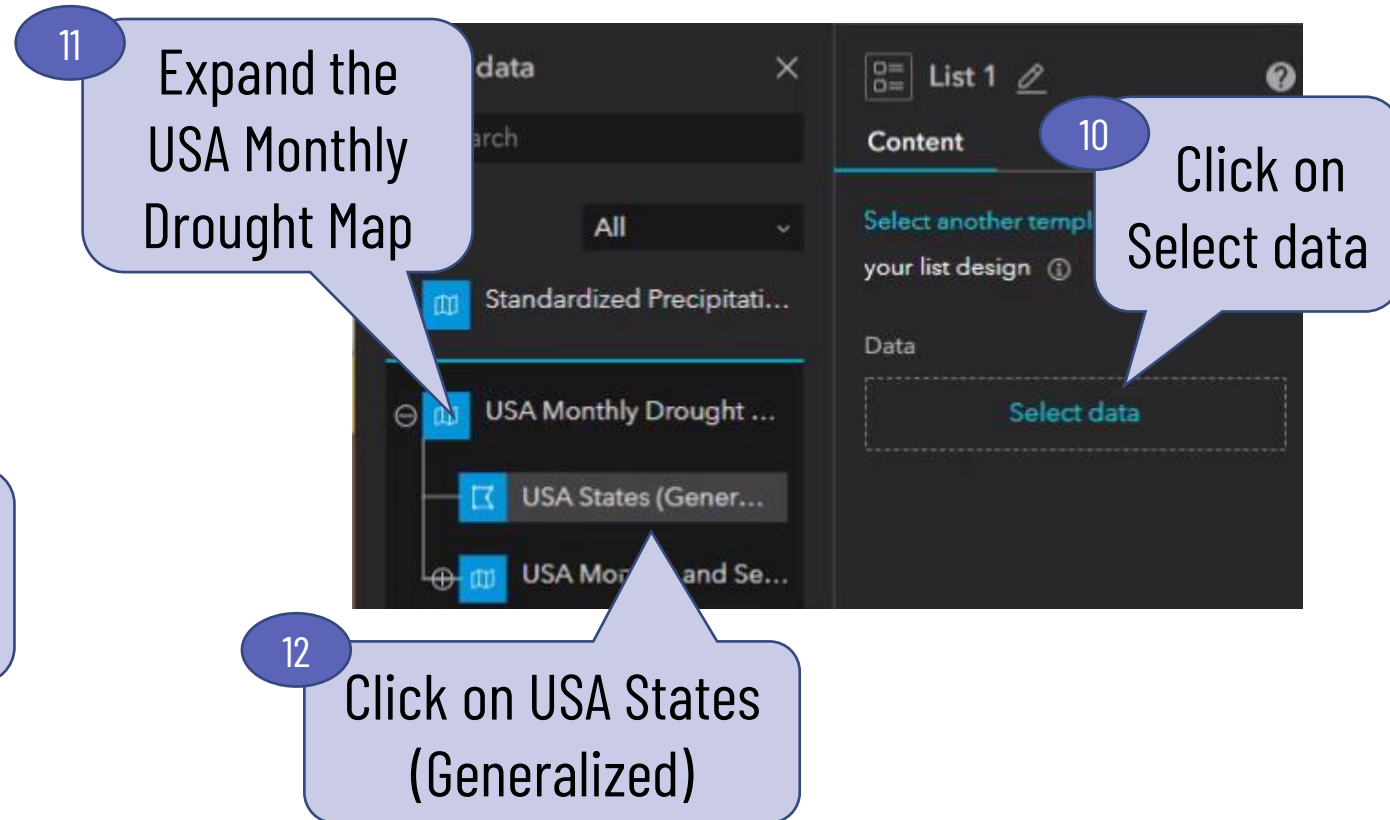
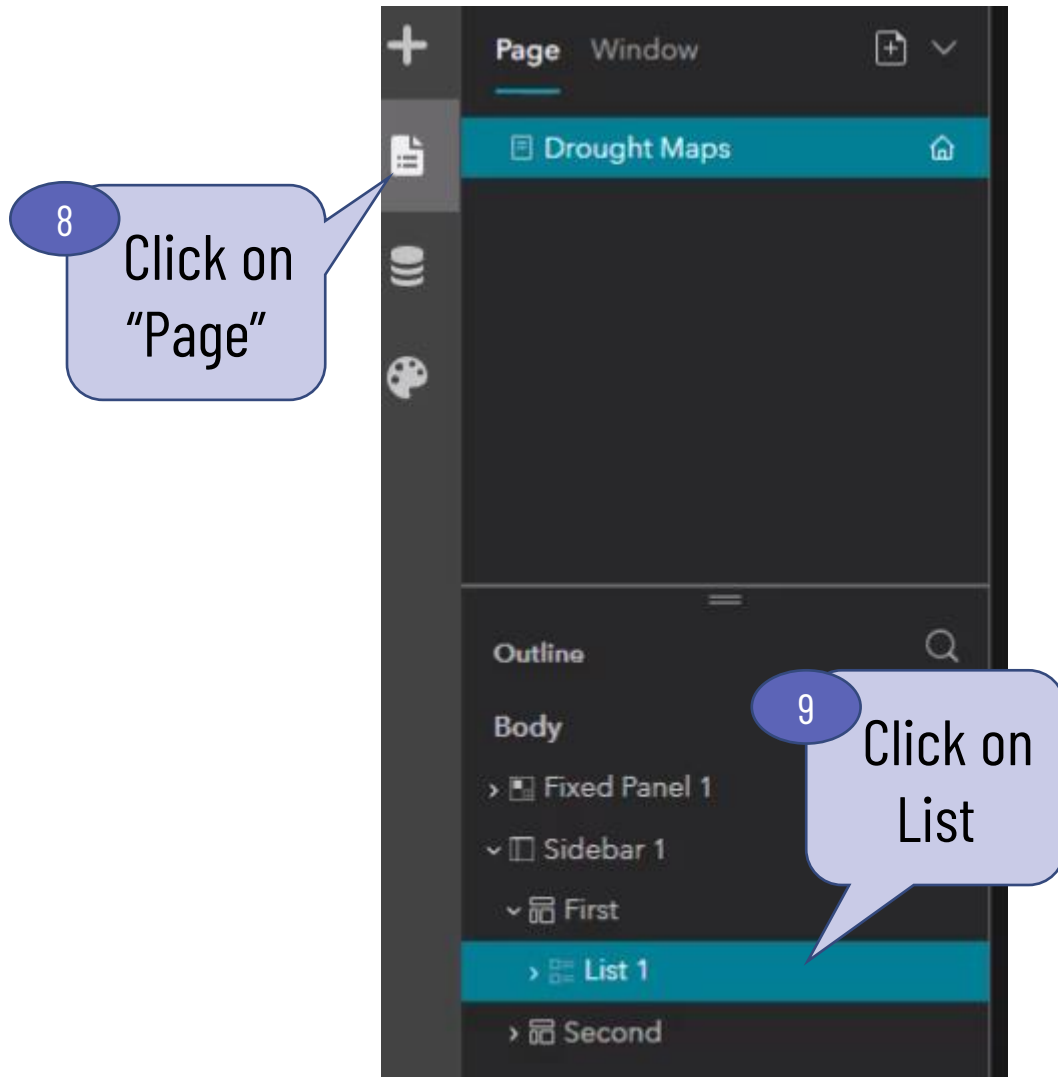
- 1 First, we need to get a picture we can use. Open a new browser tab and go to pixy.org
- 2 Do a search for "Drought" and click on the picture you want
- 3 If needed, close an advertisement
- 4 Right-click on the image and choose "Save Image As" and save it somewhere on your hard drive
- 5 Click on the image in the top item in the list widget
- 6 On the settings on the right-hand side click on "Select an image" and then "Upload"
- 7 Browse to the picture you just downloaded and click Open





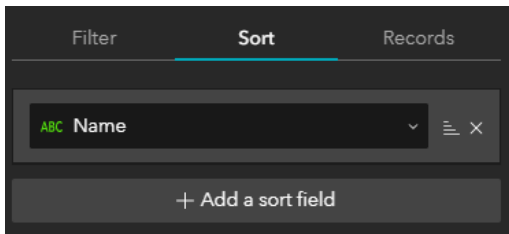
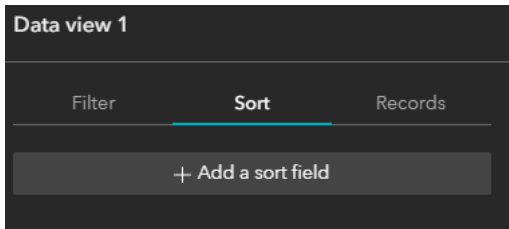
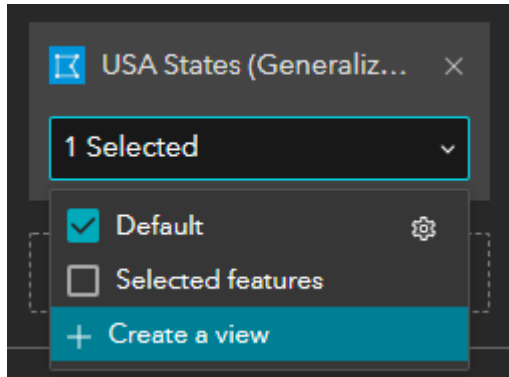
# 7. Configure List Widget

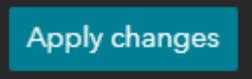
We would like to add the names of all the States to the list so that users can click on it and zoom there



# 7. Configure List Widget

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- 13 In order to sort the order of the items in the list, and filter if needed we need to create a view. Click on the drop-down for the data you just selected
- 14 Go to the Sort tab and sort by Name
- 15 Click 

# 7. Configure List Widget

The image shows a software interface for configuring a list widget. It features a toolbar at the top with icons for various actions. A list of items is displayed, each with a placeholder text '{Name}' and 'Double click to edit text'. A 'Dynamic content' dialog is open, showing configuration options for the list's data source and display format. Callouts 16 through 19 provide step-by-step instructions for configuring the widget.

16 Click in the top text box in the list

17 Click on Edit

18 Click on Dynamic Content

19 Since we want to display State Names, click on "Name"

Dynamic content

Dynamic content

Attribute Statistics Expression

Data

USA States (Generalized)

Auto-populated

Search

123 FID

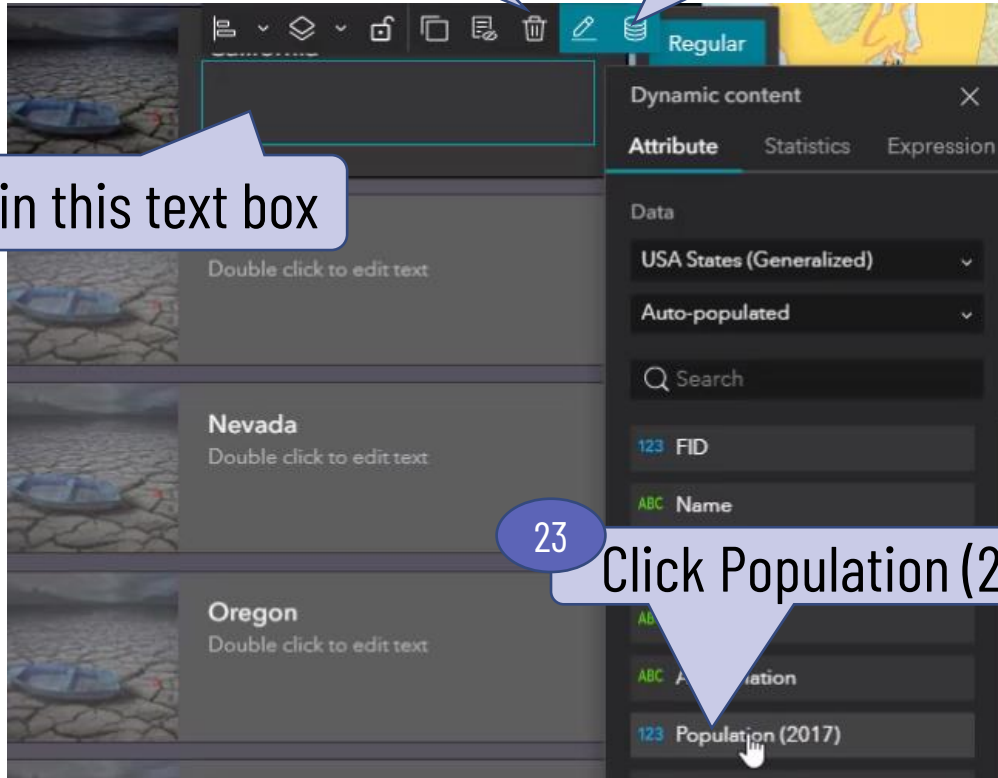
ABC Name

# 7. Configure List Widget

21 Click on Edit

22 Click on Dynamic Data

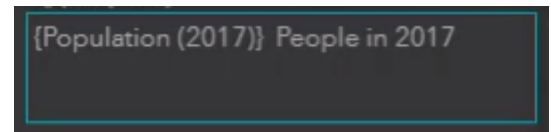
20 Click in this text box



23 Click Population (2017)

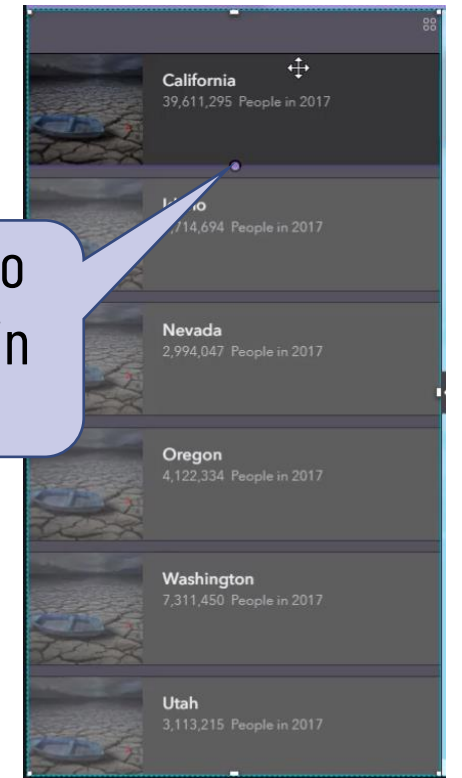
28 Click on  to test out your new list

25 Finish the text box by typing "People in 2017"



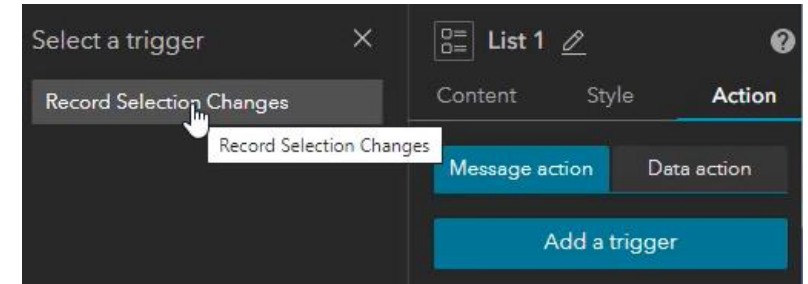
26 You list should now look like this:

27 Grab the handles to resize the entries in the list

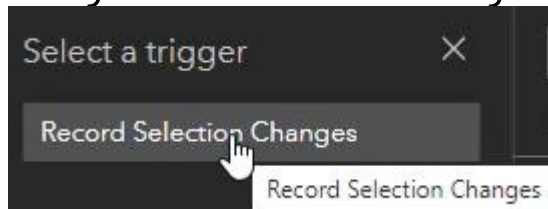


# 8. Add some Action to your List Widget

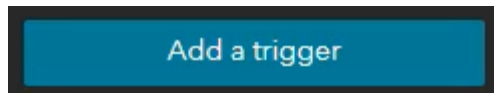
- 1 In the settings pane, click on Action
- 2 Click on Message action – as soon as a person *select* something we want the map to automatically respond and zoom to that State.
- 3 So as soon as the app experiences a *change in selection*, we are asking it to do something, i.e., **trigger** something.



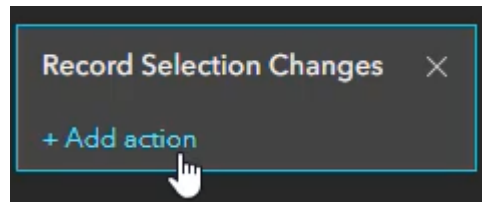
Click on



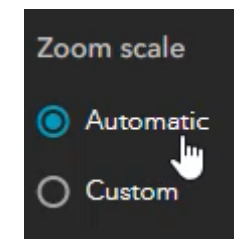
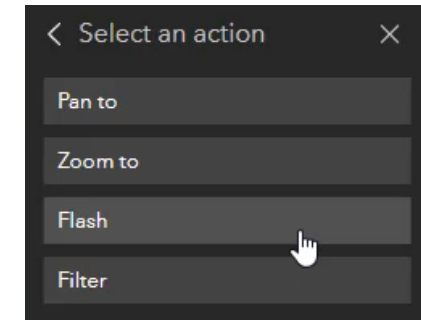
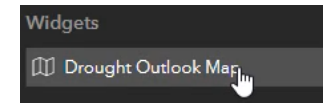
4 Click on



5 Click on Add Action



- 6 Click on
- 7 Click on "Zoom to"
- 8 Note that you can set a zoom scale if you want:

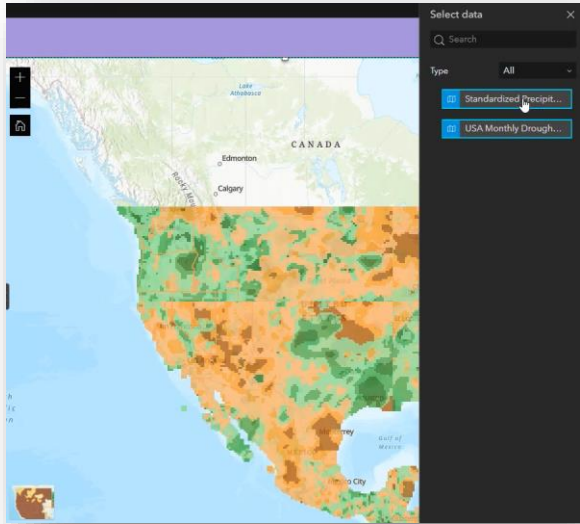
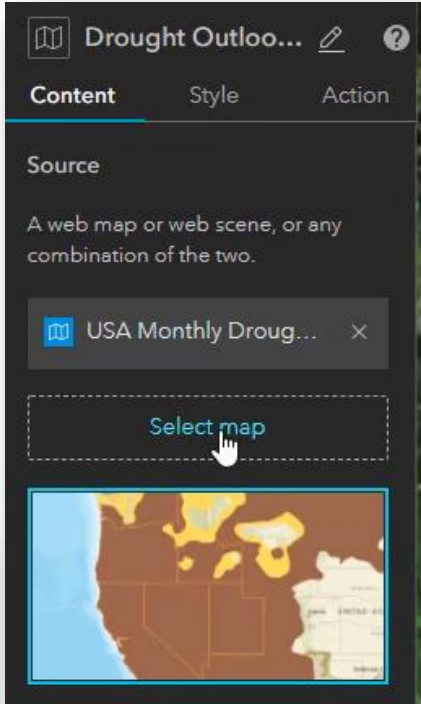
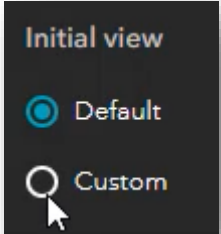


- 9 Click on  to test out your new list


# 9. Add more maps to your Map Widget

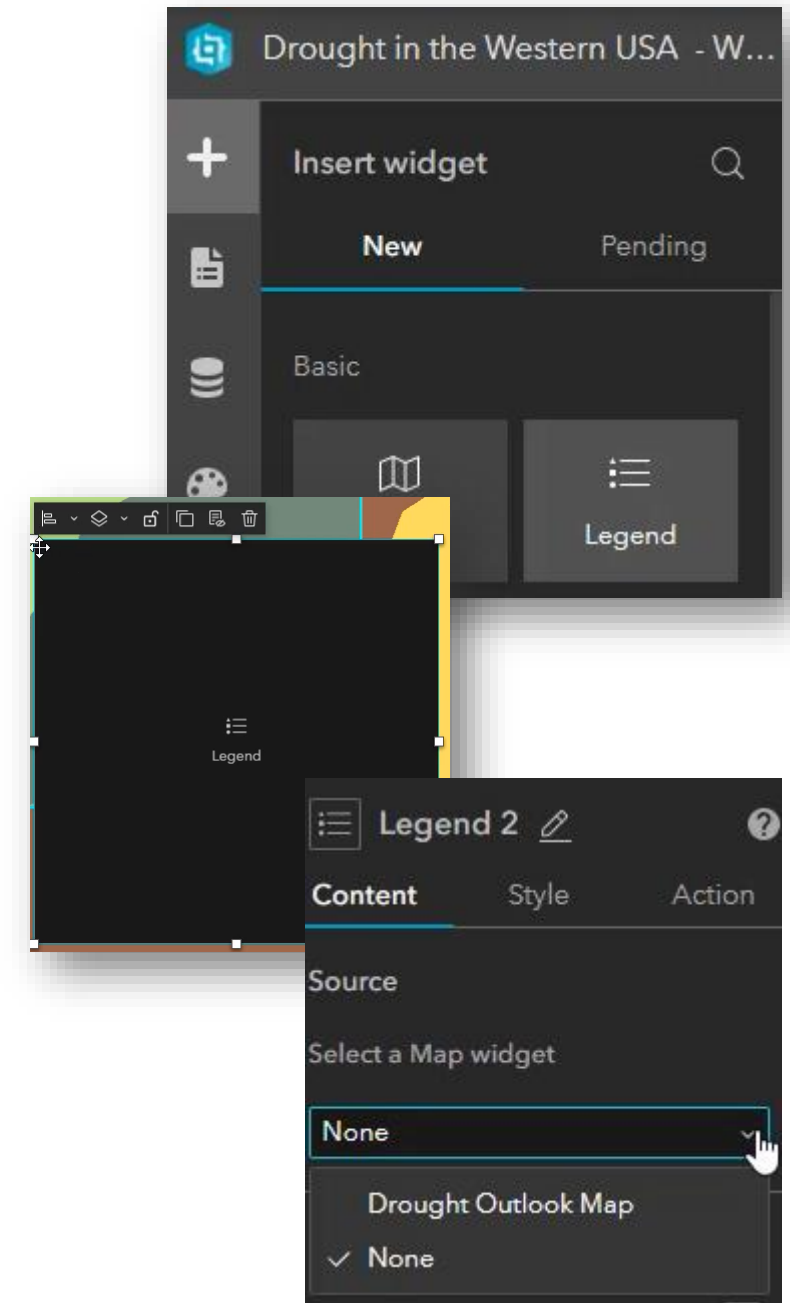
- 1 Click on the map (i.e., the map widget) and go to the Content tab on the Settings pane
- 2 Click on Select Map, and then choose the Standardized Precipitation map
- 3 Click on Custom Initial view and zoom a little closer to the Western US
- 4 Save your map and then go to Live View and check it out

What happens when you select a State? Do both maps zoom?



# 10. Map related widget: Legend

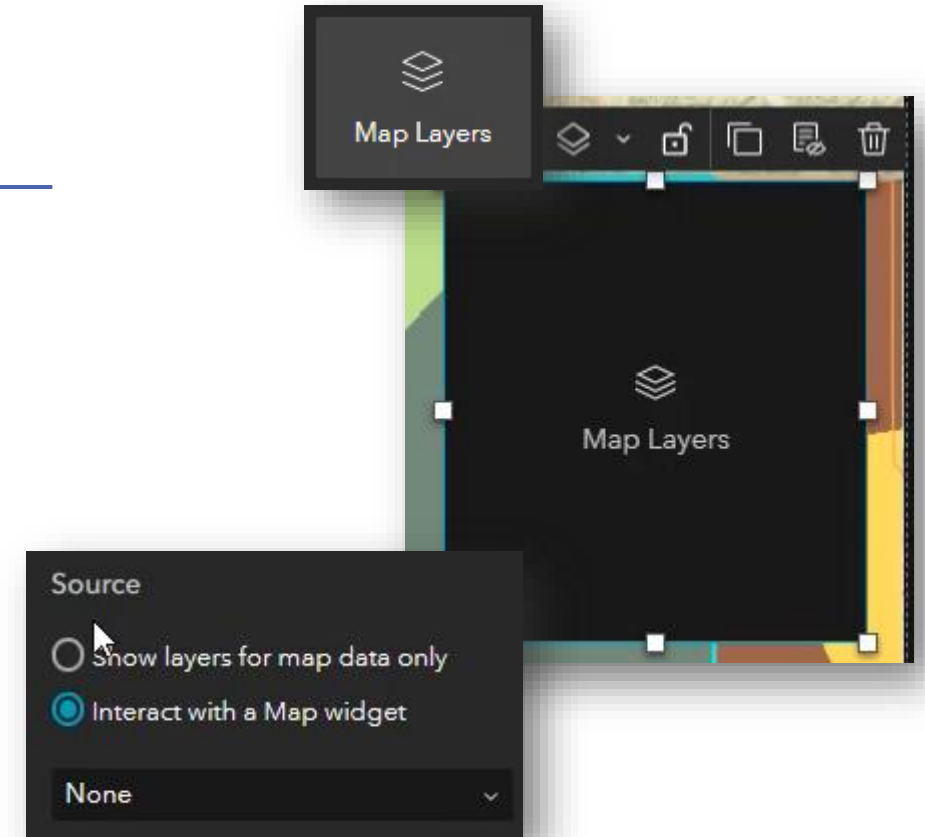
- 1 Click on the + in the top-left of the screen and drag a legend widget onto your map
- 2 Use handles in the corner to make it smaller
- 3 Next, we need to tell it where to look for the data in the legend. Click the "Drought Outlook Map" on the Content Pane.
- 4 If you wanted to change the colors, you can scroll down a little and click on  Advanced
- 5 Since the current colors are pretty good, I will leave it as is
- 6 Make your legend widget a little taller so the entire legend fits
- 7 Save your map and then click on Live View to check it out



# 10. Map Related Widget: Map Layers

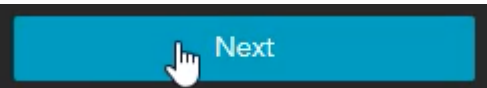
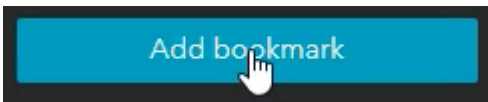
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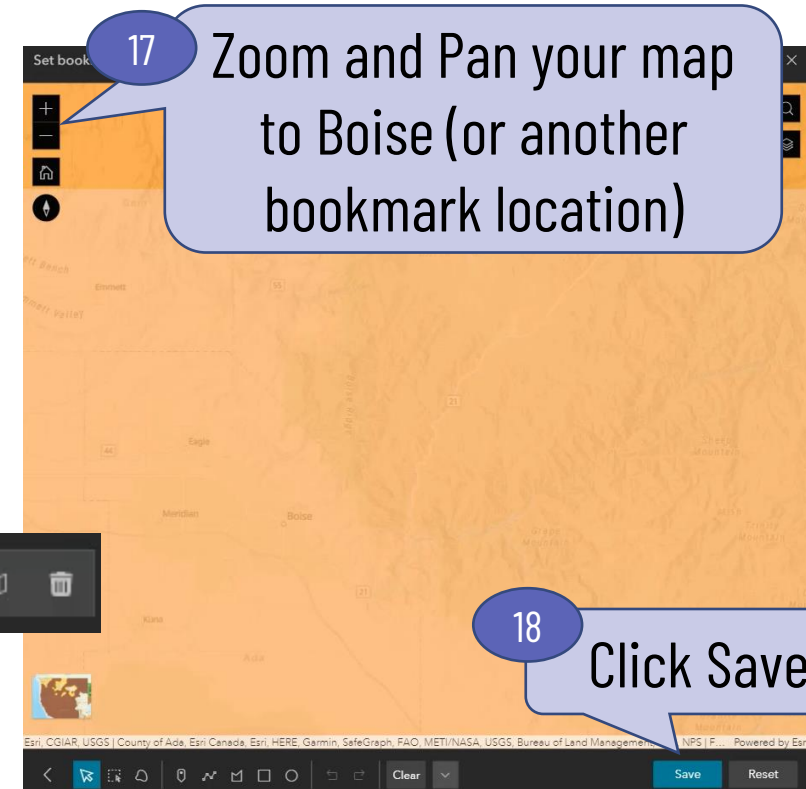
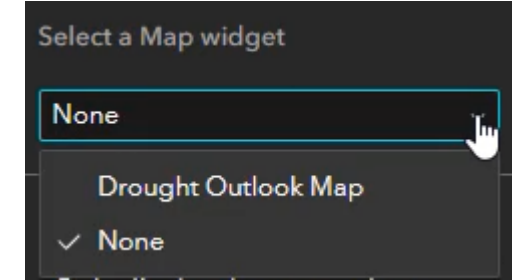
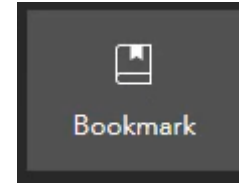
- 8 Click on + in the top-left of your screen and then click and drag the Map Layers widget onto the map
- 9 For the Source let's try "Interact with a Map widget"
- 10 Save your map, and see how it looks





# 10. Map Related Widget: Bookmarks

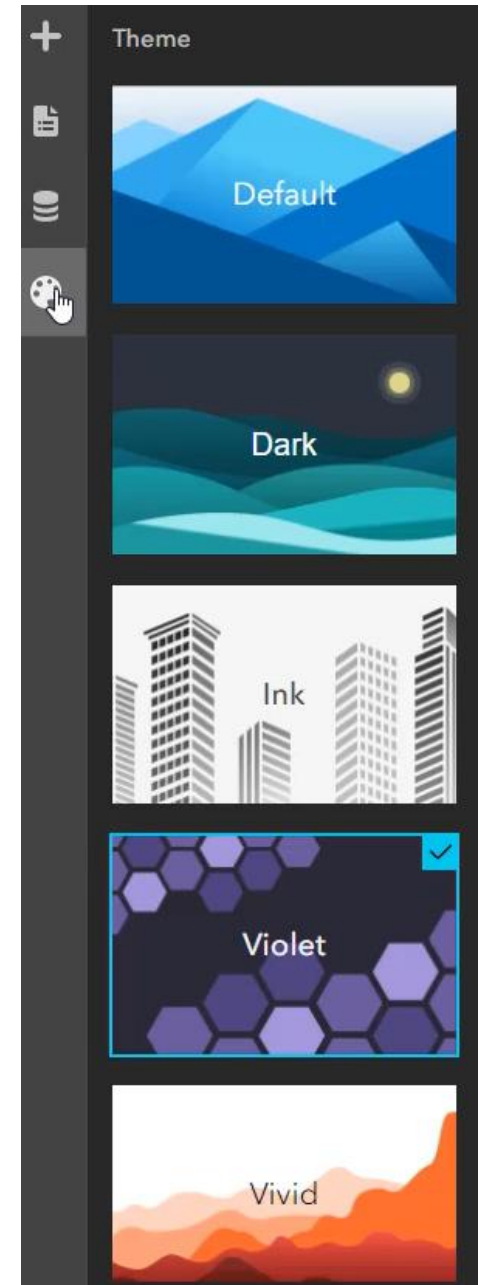
- 11 Click on the Bookmark Widget and drag it onto the map
- 12 On the settings pane click a template you like. I am picking the list because it does not take up too much real estate
- 13 Click  on the settings pane
- 14 First, we need to tell the Experience which map the bookmarks interact with. Click on the drop-down and then on Drought Outlook Map
- 15 Click on 
- 16 Rename the Bookmark, for example "Boise"
- 19 Repeat process for two other bookmarks
- 20 Save your experience and test it out in Live View



# 11. Color your Experience: Pick your Theme

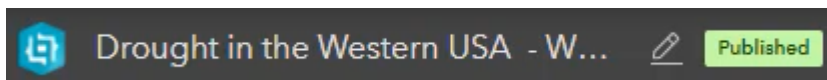
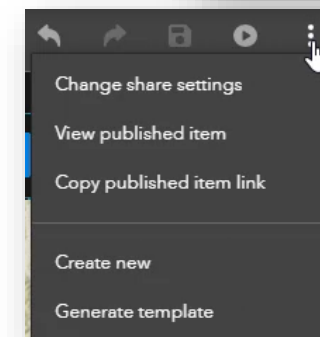
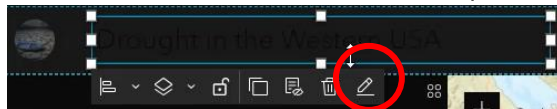
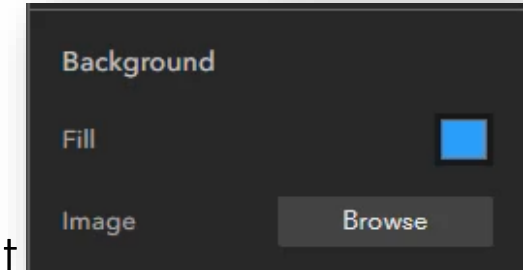
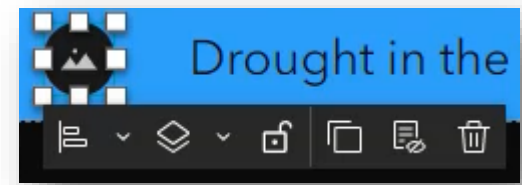
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- 1 Click on the painter's pallet on the left-hand side to display the themes.
- 2 Click on the different themes to see what they look like, and then pick one you like



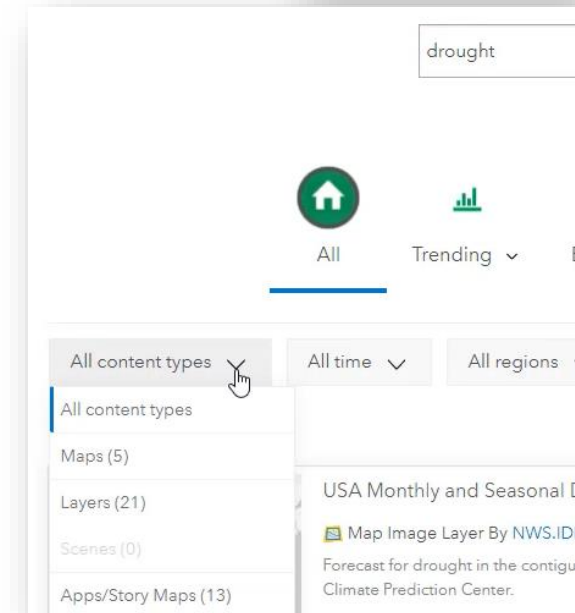
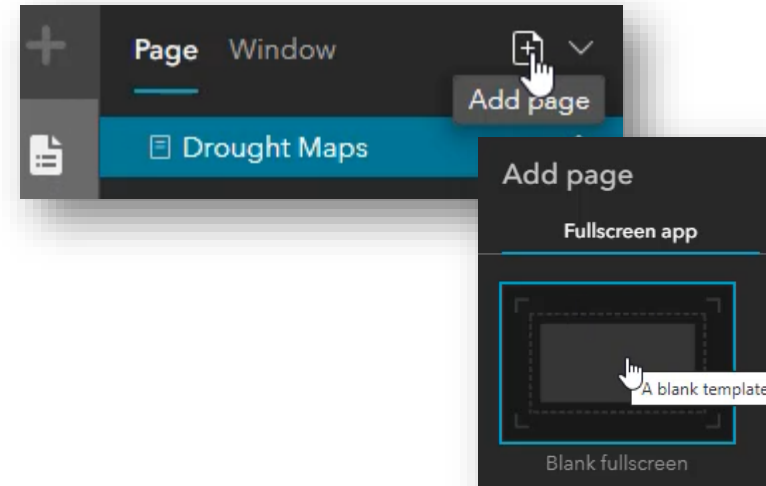
# 12. Customize your Header

- 1 Click on the image in your header
- 2 On the settings pane, on the Content tab choose "Select an Image"
- 3 Normally you would pick your logo, but to save some time, pick the drought picture you used earlier
- 4 Next, click on the header itself.
- 5 Scroll down on the Content tab until you see the Background fill and choose a color you like, for example black
- 6 To keep the font in the header readable, click on the text in the header, and then on the pencil.
- 7 Select the text, click on the Color selector and choose white
- 8 Save your experience
- 9 Publish your experience. Then view your published experience.



# 13. Add a Second Page and embed a Web Mapping App

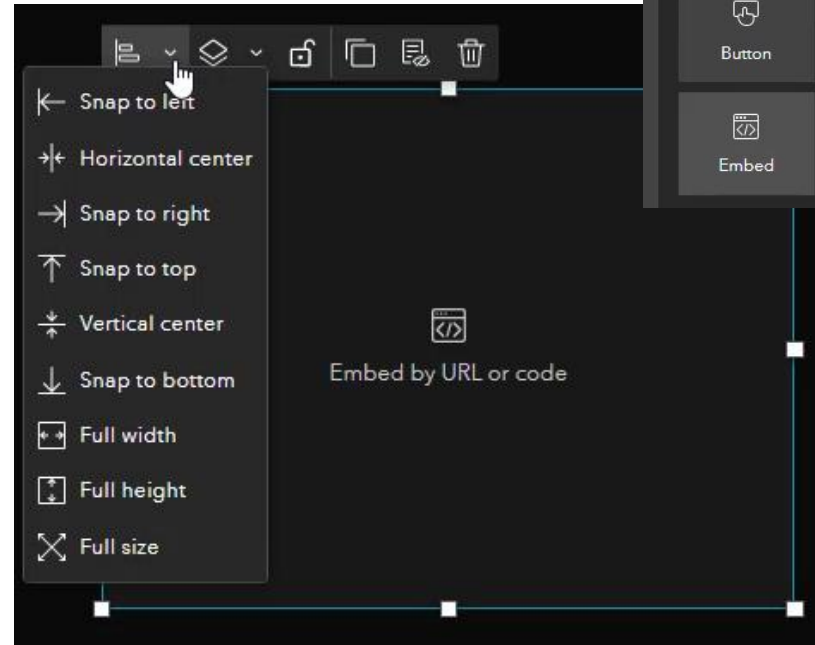
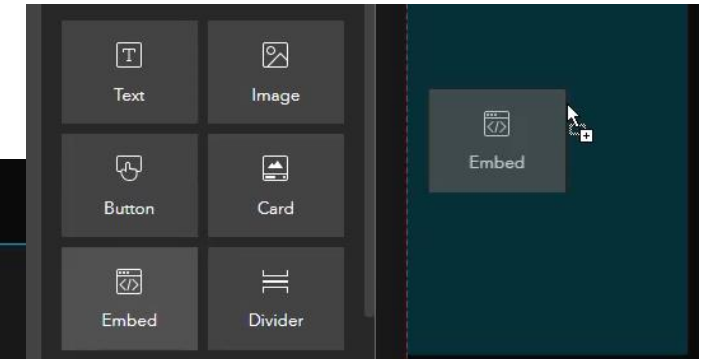
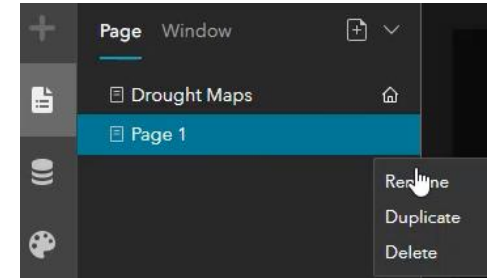
- 1 Click on Page on the left, and then add a new Page
- 2 Choose the Blank fullscreen template
- 3 On this page we will highlight a drought related web application someone else made. Open a new browser tab and go to the Living Atlas
- 4 Do a search on "drought", and then filter to show Apps/Story Maps
- 5 Scroll down a little and look for the Esri Drought Tracker (or another app that looks interesting to you)



6 Click here and choose "Open"

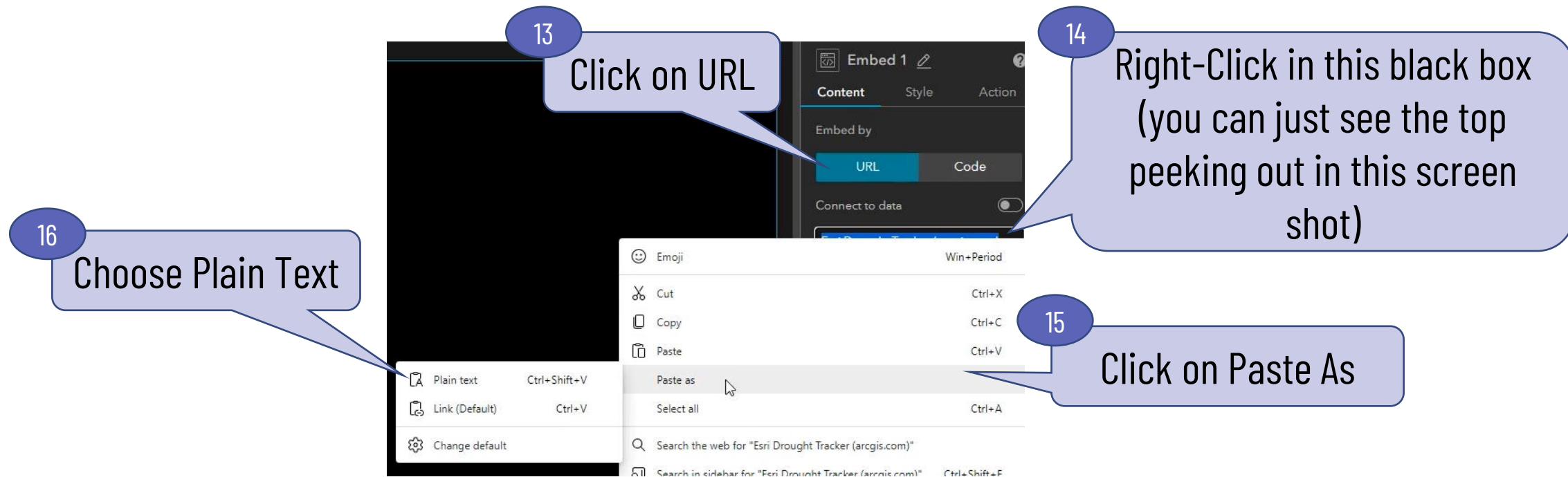
# 13. Add a Second Page and embed a Web Mapping App

- 7 Leave the browser tab for the Drought Tracker app open and return to your Experience editing tab
- 8 Rename the Page to "Drought Tracker"
- 9 Click on the + to add a new Widget. Scroll down and add drag the embed widget onto the main screen
- 10 Click on the drop-down near the top-left corner of the embed widget and choose to option at the bottom "Full size"



# 13. Add a Second Page and embed a Web Mapping App

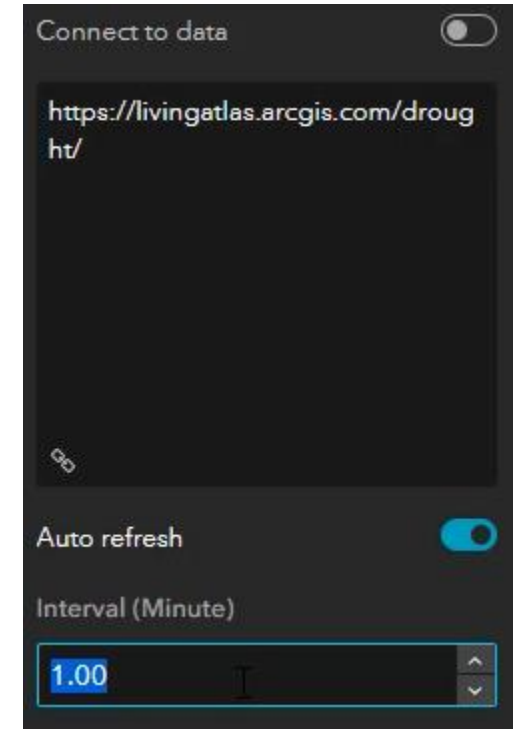
- 11 Switch to the browser tab with the Drought Tracker app and copy the URL
- 12 Go back to your Experience Builder



# 13. Add a Second Page and embed a Web Mapping App

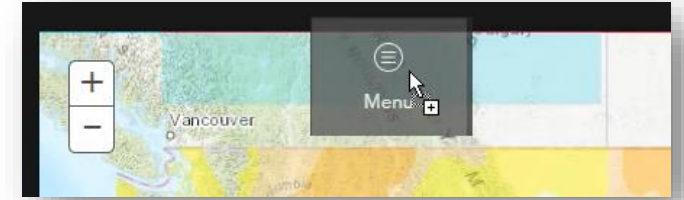
- 17 Below the URL slide the Auto refresh to the right and set an interval of 60 minutes
- 18 Save your Experience
- 19 Publish you experience and then view your Experience

Do you see a problem?



# 14. Adding a Menu to your Experience

1 To be able to navigate between two published pages we need to have a Menu. Click on + and Drag a Menu Widget and snap it to the top of your Page

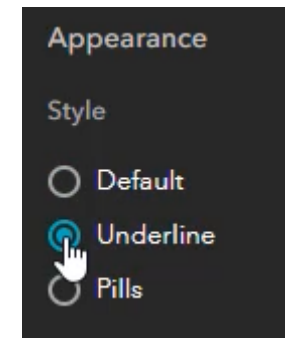
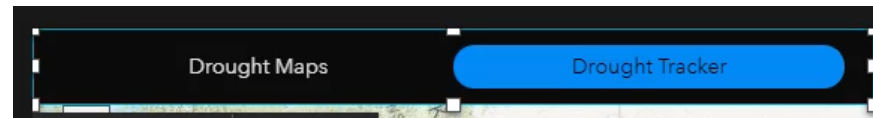


2 Note that the text for the first page is not very readable:



3 In the settings panel click on Content and click on Pills

4 Then click on the Style tab, scroll down a little, and change the background color to the menu items are easier to see (for example, try a black background)





5 On the top-left hand side of your screen click on the first page ("Drought Maps") and also add a menu along the top.

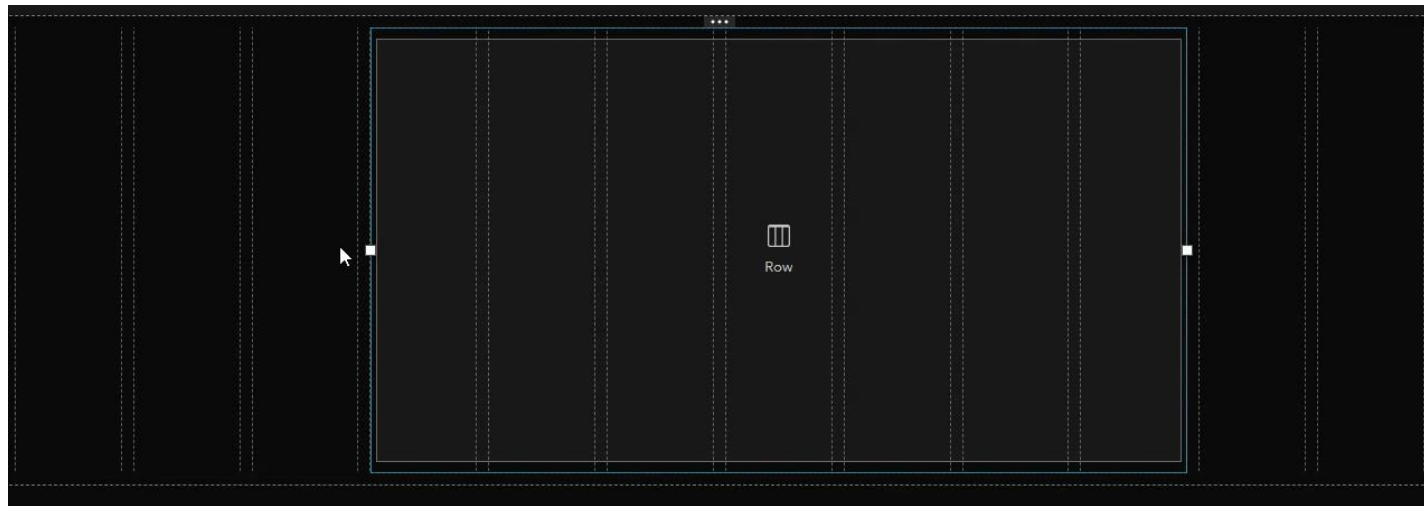
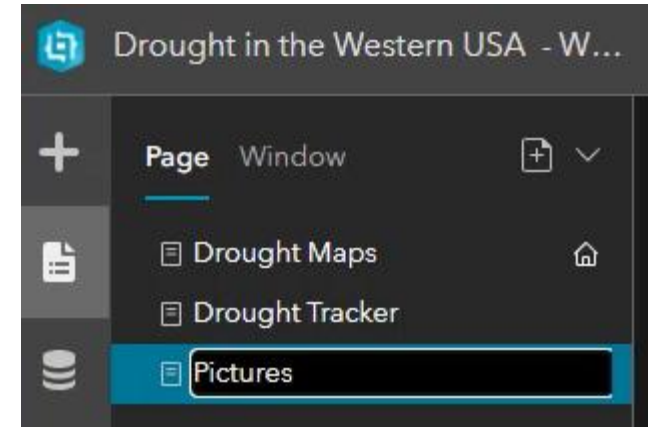
6 Save your Experience, Publish your experience and try it out



# 15. Picture Gallery

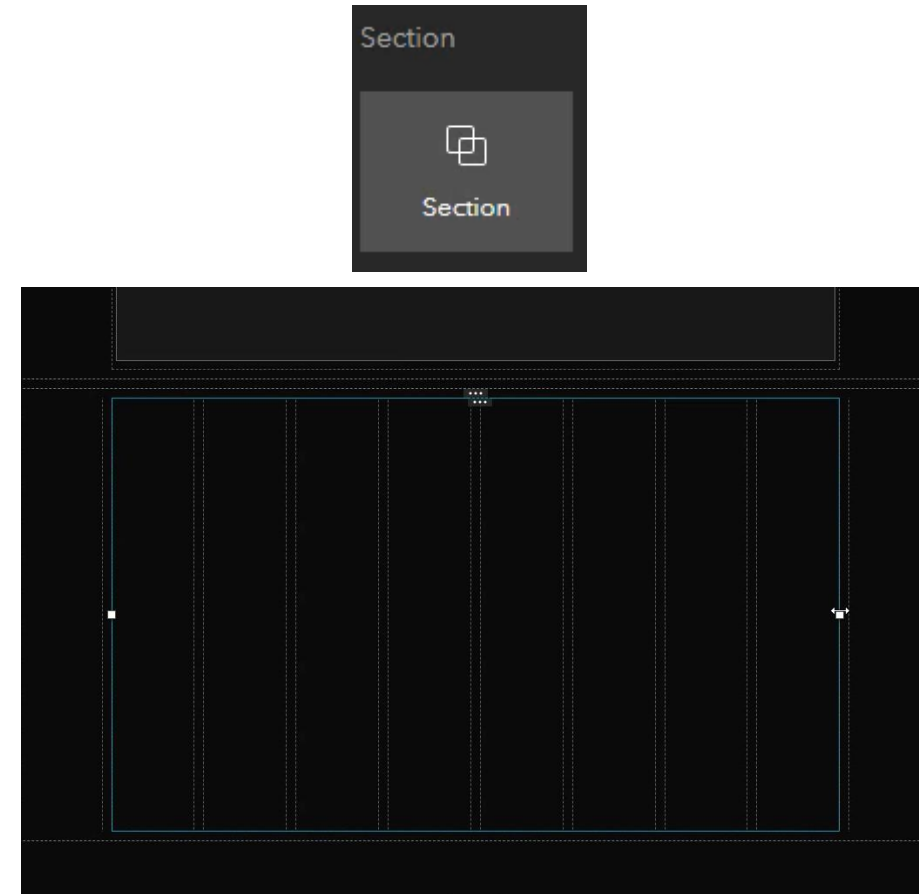
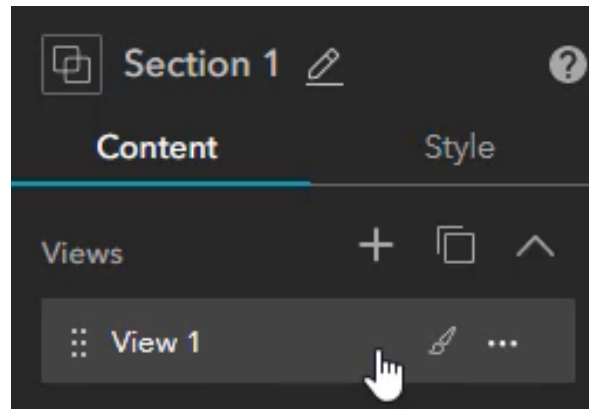
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- 1 Go to [pixy.com](https://pixy.com) and download three drought related pictures
- 2 Click on Page  add a page and pick the blank Fullscreen template
- 3 Click on  and add a row widget along the top. This will hold the Navigation widget later on.



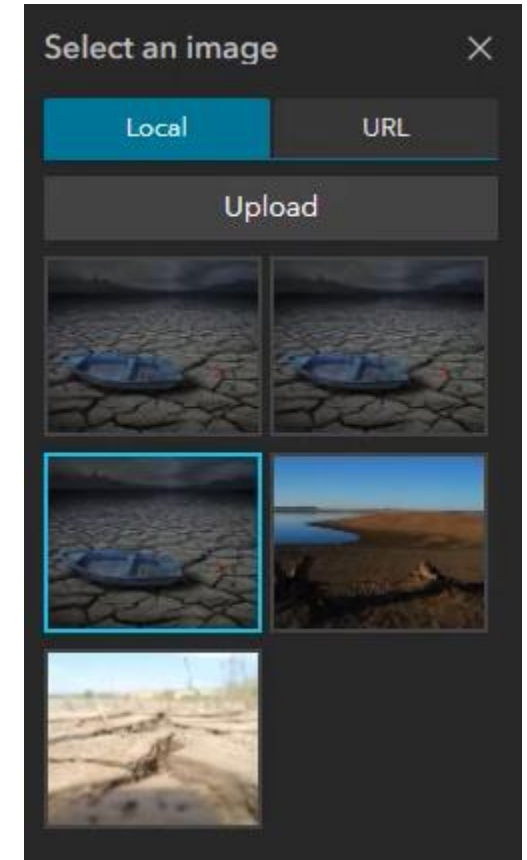
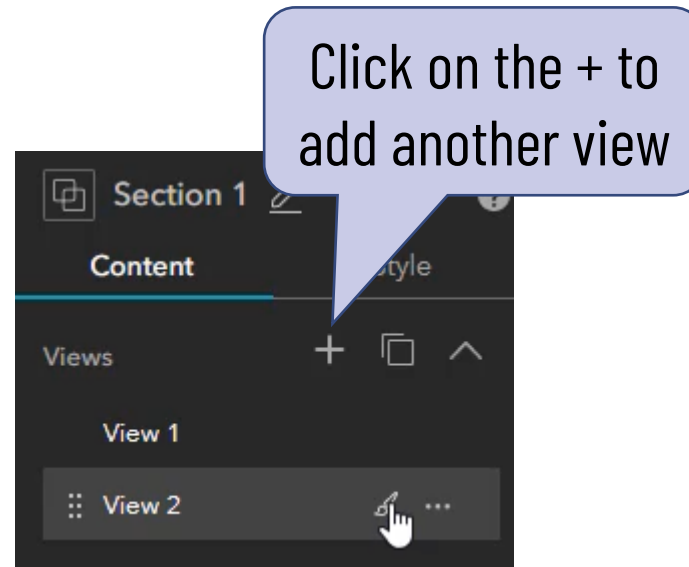
# 15. Picture Gallery

- 4 Add a Section widget (look near the bottom of the Widget list) and drag it below the Row widget you just put in
- 5 Grab the handles on the Section widget and resize it so that it is the same width as your row
- 6 On the Setting Pane, on the Content tab click on the paint brush for View 1



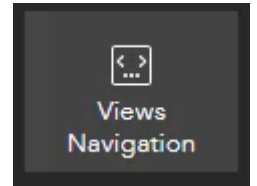
# 15. Picture Gallery

- 7 Click on 
- 8 Click on the drought picture you used on the previous page

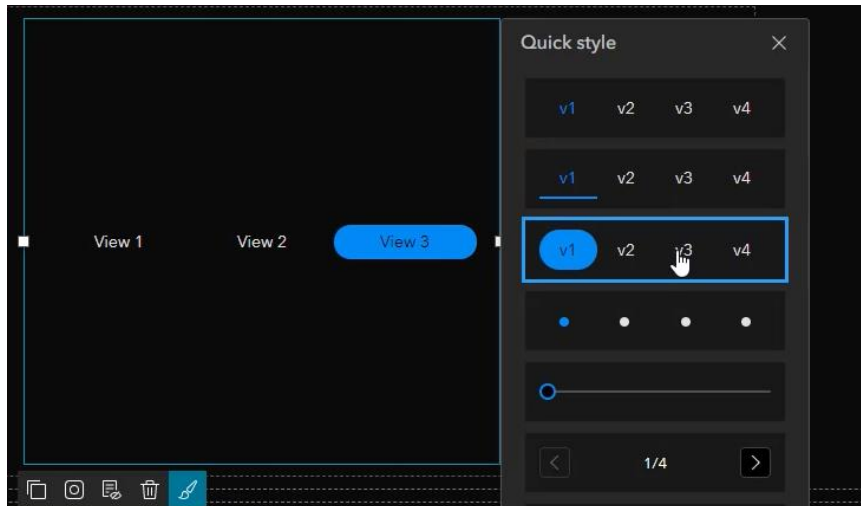


- 9 Click on the paint brush for the second view and upload one of the drought pictures you downloaded from [pixy.org](http://pixy.org) earlier

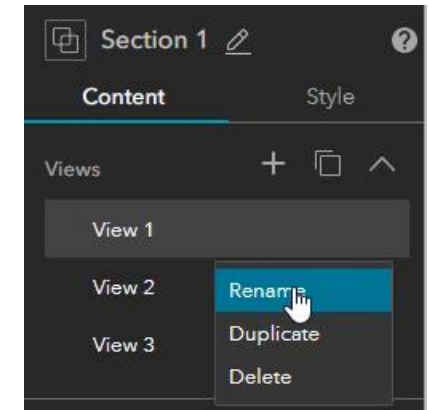
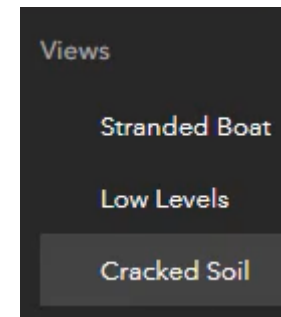
# 15. Picture Gallery



- 10 Add a third view for another drought picture you download
- 11 Because we added the images as view to one section, we can use the Views Navigation widget to move between the pictures. Drag the navigation widget to the Row you placed at the top of the page earlier



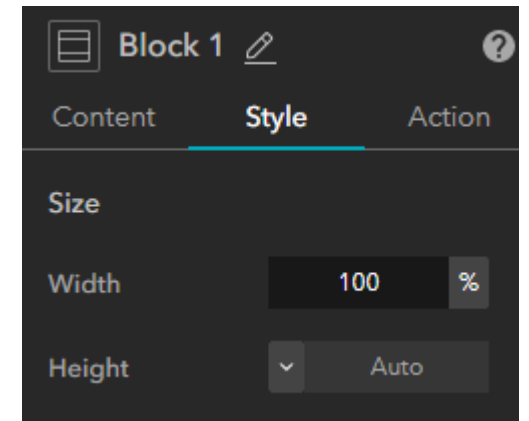
- 12 Since the titles of the views are not very informative, let's rename them



# 15. Picture Gallery

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- 13 Click on Live View to see what it looks like right now. Looks like it works, we just need to resize the Row with the Navigation Widget a little
- 14 Turn off the live view and click on the Row Widget. On the Settings pane go to the Style tab
- 15 Set the height to "Auto"
- 16 Save and publish your Experience
- 17 Check it out!





<https://gis.idaho.gov/gis-services-for-state-agencies>

# What's Next?

## Future Online Classes

7/20/2021: Getting Started with Maps for Office

In-Person Classes (**Tentative**) in 2021  
in room 214 at ITS from 1-5 PM

8/19: Getting Started with AGOL part 1 and 2

9/2: Survey123 Part 1 and 2

9/7: Hub and Experience Builder

9/30: Dashboards and Story Maps



Sign Up