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Creating and Maintaining a Web-based Platform for the Bard College Archaeological Forest Site

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Creating and Maintaining a Web-based Platform for the Bard College Archaeological
Forest Site

Senior Project Submitted to
The Division of Multidisciplinary Studies
of Bard College

by
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Annandale-on-Hudson, New York

May 2023

Dedication

I dedicate this project to the Stockbridge Munsee Band of Mohican Indians. It is my hope that this website will allow more members of the Stockbridge Munsee tribe to access and view the findings of the Forest Site. I created this online resource in an effort to provide an unbiased catalog of records from the archaeological excavations of the land on which the ancestors of the Stockbridge Munsee lived.

Acknowledgments

I would like to express my deepest gratitude to my advisors, Christoph Lindner and Maggie Hazen, for sharing their expertise and providing critical feedback throughout this project, and to Naoko Kumada, for being on my board and asking the questions that made me analyze my own perspective and the meaning of my project. I would also like to thank the peers who took part in Christoph Lindner's *Ancient Indigenous Peoples before the Bard Lands: Archaeological Methods and Theory* class in 2020, 2021, and 2022, and allowed me to photograph and film them. Lastly, I would like to thank my parents for their endless support and encouragement, I could not have done this without them.

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Introduction

The Forest Site is an ancient indigenous archaeological site on Bard College campus. I have created a website that will hold information about the Forest Site, which is on the ancestral land of the Stockbridge Munsee Band of Mohican Indians. This website will provide records of the excavation that has been done at the Forest Site, so that it is accessible to those who cannot come to see it in person. In my eyes, an indigenous archaeological site needs to be accessible to those who are connected to it. This project has grown during my time at Bard as I have learned more about archaeology and the lives of Native peoples.

This website has been designed to be updated as more progress is made and as new information is uncovered. The website has several elements that can be updated and expanded over time including: a map made through ArcGIS software, which is presented on an ArcGIS Online Dashboard; a photo gallery of students doing archaeology at the site over the past three years; and photos of artifacts that have been excavated. The mobile version of the website includes the Dashboard in a slightly different format that can be easily used on a smaller screen. All of the ArcGIS softwares are within the Environmental Systems Research Institute Inc. (ESRI).

I have written out detailed instructions for each element of the ArcGIS Map and Dashboard, as well as the mobile Dashboard. They include troubleshooting notes for issues that came up during my work on the website. My hope is that the instructions will allow someone to easily update all elements of the project. To make it as straightforward as possible I have included many visual aids to accompany the instructions.

This is a project that was made to be built on, and many more iterations of it could come to life through further discoveries at the Forest Site. This version is a living archive of a rich archaeological site that has much to teach us.

Updating the Forest Site Catalog

Before any ArcGIS elements can be updated, the overall Forest Site Catalog must be updated. The catalog is currently in Excel format, but could be moved to Google Sheets for ease of sharing. However, Excel has more features and tends to be more intuitive. The catalog contains the information for every artifact that is excavated and noted, making it easy to locate artifacts when needed.

To update the catalog, the field notes and bags of artifacts from each test unit are needed. Each catalog number must be recorded in the notes and on the artifact bag. The catalog currently contains columns for: **Test Unit Number** (referred to as Test Unit ID on the Forest Site Map), **Level**, **Stratum**, **Depth**, **Sediment**, **Material**, **Count**, and

Catalog Number (Fig

1.1). The catalog

spreadsheet needs to

be updated to include

a column that contains

the **South/West**

Coordinates in the

Forest Site Map.

Test Unit Number	Level	Stratum	Depth	Sediment	Material	Count	Cat#		
11	2 II		8-15	ybcisi	FCR	8	1592		
11	2 II		8-15	ybcisi	Chert	6	1593		
11	2 II		8-15	ybcisi	Brick Fragment	1	1594		
11	2 II		8-15	ybcisi	Chert	12	1595		
11	2 II		8-15	ybcisi	Brick (in wall)	1	1596		
11	3 II		15-20	ybcisi	utilized flake	1	1597	s28 e6 bs17	
11	4 II		20-25	ybcisi	Chert	8	1598		
11	4 II		20-25	ybcisi	Chert	10	1599		
11	5 III		25-30	ybcisi	Chert	1	1600		
s35.63 w3.75	1 I		0-10	bsi	Chert	5	1601		
s35.63 w3.75	1 I		0-10	bsi	Charcoal	18	1602		
s35.63 w3.75	1 I		0-10	bsi	FCR	4	1603		
s35.63 w3.75	2 II		10-20	bysicl	Charcoal	2	1604		
s35.63 w3.75	2 II		10-20	bysicl	core	1	1605		
s35.63 w3.75	2 II		10-20	bysicl	Chert	13	1606		
s35.63 w3.75	2 II		10-20	bysicl	FCR	15	1607		
s35.63 w3.75	3 II		20-25	bysicl	chert	3	1608		
s35.63 w3.75	3 II		20-25	bysicl	Charcoal	1	1609		
s35.63 w3.75	3 II		20-25	bysicl	FCR	1	1610		
s35.63 w3.75	4 II		25-30	bysicl	Chert	4	1611		
s35.63 w3.75	4 II		25-30	bysicl	Charcoal	3	1612		
s35.63 w3.75	5 II		30-35	bysicl	chert	4	1613		
s35.63 w3.75	5 II		30-35	bysicl	FCR	1	1614		
s35.63 w3.75	6 II		35-40	bysicl	Chert	1	missing		
s30 w22.5	2 II		10-20	ybcisi	Chert	2	1615		
s30 w22.5	3 II		20-30	ybcisi	Chert	1	1616		
s33.75 w15	2 II		10-20	ybcisi	Chert	13	1617		
s33.75 w15	2 II		10-20	ybcisi	FCR	3	1618		
s33.75 w15	3 II		20-30	ybcisi	Chert	1	1619		

Fig. 1.1. The current Forest Site Catalog table.
Source: Bard Archaeology.

Currently, some units only are labeled in the catalog with their coordinates, but not the **Test Unit Number** assigned to them in the original maps and on the ArcGIS Map. Other units only have the **Test Unit Number**, but not the **South/West Coordinates**. It

would be ideal to have both for all units. Updating the catalog is vital, and will be extremely important as the ArcGIS Map is expanded to include all test units at the Forest Site.

Accessing ArcGIS Online and the Forest Site Map

To access the Forest Site Map, you must first go to the ArcGIS Online website. The link to the login page is: <https://www.arcgis.com/index.html#>.

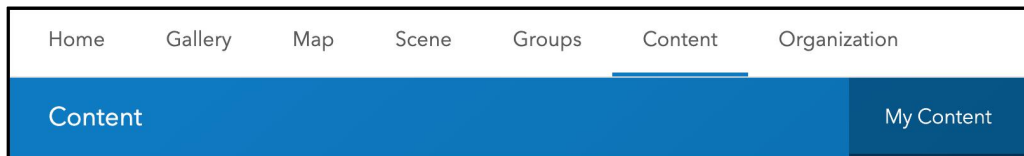


Fig. 2.1. ArcGIS landing page header.
Source: ESRI

Once you are signed in to ArcGIS Online, all maps and other projects can be found under the *Content* tab (Fig. 2.1). Within that tab, the Forest Site Map can be found in the list of projects (Fig. 2.2).



Fig. 2.2. Forest Site Map as found in Content list.
Source: ESRI

- > Select *Forest Site Map*. The landing page for the map will open (Fig. 2.3).
- > Select *Open in Map Viewer Classic*.

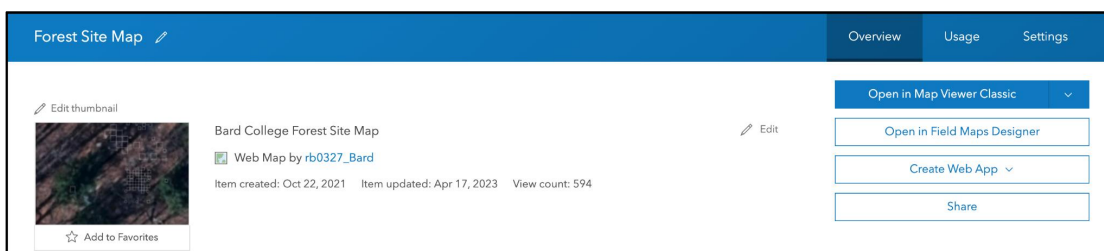


Fig. 2.3. Forest Site Map landing page.
Source: ESRI

The page that opens will contain the map in editable form. (Fig. 2.4)

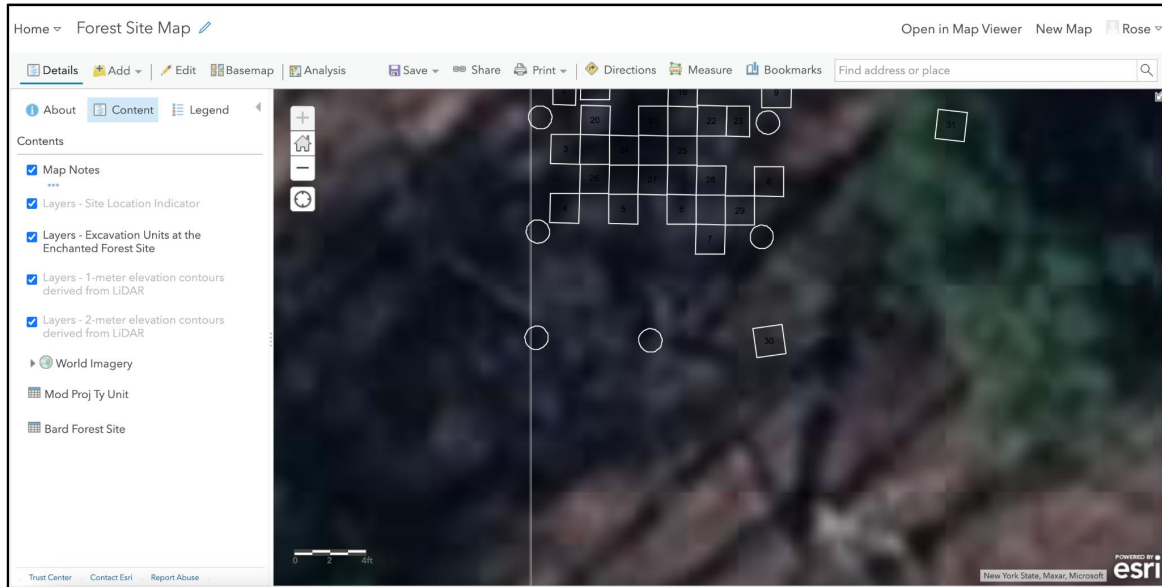


Fig. 2.4. Forest Site Map

Source: ESRI

Test Units on Forest Site Map

An extremely notable aspect of the Forest Site Map is the layer called *Excavation Units at the Enchanted Forest Site*. This layer has the unit squares marked by their coordinates and was originally done by Susan Winchell-Sweeney, the former GIS professor at Bard. However, she got the coordinates using a tool that can access the Global Navigation Satellite System and get very specific GPS coordinates for a location. I do not have access to a GPS of that capability. However, recent models of phones do have highly specific GPS capability and may be able to be used.

Many units can be added using the current test units as points of reference. For the map to be updated, there are a series of steps that have to be taken on ArcMap, another ESRI software. I will not be including those steps in the coming pages.

Adding Tables to ArcGIS Map

The following section describes how the table in the ArcGIS software must be updated in order for it to be connected to the map and, in turn, the Dashboard. To begin, the table must be saved as a Comma-Separated Value (CSV) from Numbers, Excel, or Google Sheets, whichever is being used to update the catalog. This CSV can then be uploaded to the original Forest Site Map on ArcGIS Online. When formatting the table, make sure none of the columns are blank or repeating (Fig. 3.1).

Test Unit Number	South/West Coordinates	Level	Stratum	Depth	Sediment	Material	Count	Cat#	Province
4	s35 w8.25	8	III	37-42	ybcisi	FCR		1370	
5	s35 w8.25	1	I	0-5	bsi	Chert	1	1371	
5	s35 w8.25	1	I	0-5	bsi	Chert	8	1372	
5	s35 w8.25	1	I	0-5	bsi	FCR	3	1373	
5	s35 w8.25	1	I	0-5	bsi	Quartzite	1	1374	
5	s35 w8.25	1	I	0-5	bsi	FCR	1	1375	
5	s35 w8.25	2	I	5-7	bsi	FCR	12	1376	
5	s35 w8.25	2	I	5-7	bsi	Chert	10	1377	
5	s35 w8.25	2	I	5-7	bsi	Utilized Flake	1	1378	s18 e12
5	s35 w8.25	2	I	5-7	bsi	Quartzite Flake	1	1379	
5	s35 w8.25	3	II	7-12	ybcisi	Chert	7	1380	
5	s35 w8.25	3	II	7-12	ybcisi	FCR	11	1381	
5	s35 w8.25	3	II	7-12	ybcisi	Red Slate	1	1382	
5	s35 w8.25	3	II	7-12	ybcisi	FCR	14	1383	
5	s35 w8.25	3	II	7-12	ybcisi	Chert	12	1384	
5	s35 w8.25	4	II	12-17	ybcisi	Chert	13	1385	
5	s35 w8.25	4	II	12-17	ybcisi	FCR	5	1386	
5	s35 w8.25	4	II	12-17	ybcisi	FCR	17	1387	
5	s35 w8.25	4	II	12-17	ybcisi	Red/Black Slate	6	1388	
5	s35 w8.25	4	II	12-17	ybcisi	Chert	25	1389	
5	s35 w8.25	4	II	12-17	ybcisi	Quartzite	3	1390	
5	s35 w8.25	4	II	12-17	ybcisi	Utilized Flake	1	1391	
5	s35 w8.25	4	II	12-17	ybcisi	Stain			
5	s35 w8.25	5	II	17-22	ybcisi	Chert	36	1392	
5	s35 w8.25	5	II	17-22	ybcisi	Quartzite flake	4	1393	
5	s35 w8.25	5	II	17-22	ybcisi	Red Slate	1	1394	
5	s35 w8.25	5	II	17-22	ybcisi	Hammerstone	1	1395	s35 e22
5	s35 w8.25	5	II	17-22	ybcisi	FCR	30	1396	
5	s35 w8.25	5	II	17-22	ybcisi	Crystal Filled Stone	1	1397	
5	s35 w8.25	5	II	17-22	ybcisi	Chert	4	1398	
5	s35 w8.25	5	II	17-22	ybcisi	Quartzite Flake	1	1399	

Fig. 3.1. Table used for Forest Site Map and Dashboards.
Source: Rose Battista

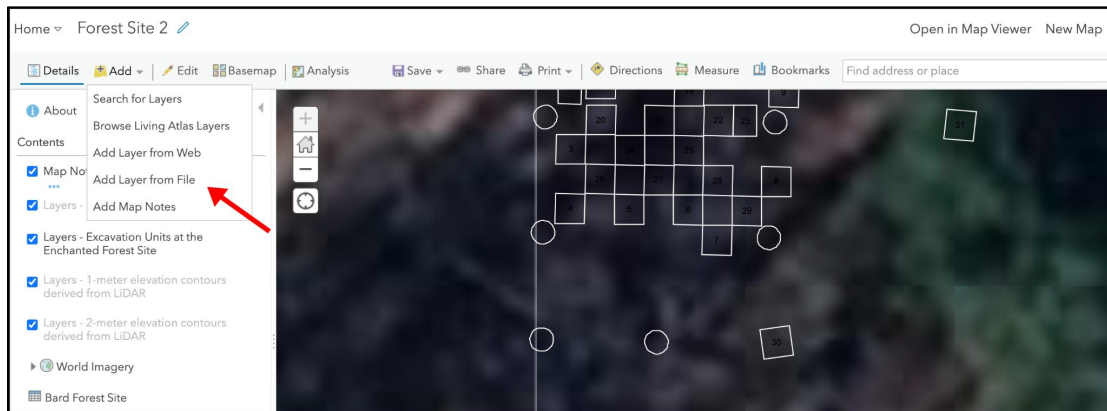


Fig. 3.2. Adding a layer from a file in the Forest Site Map.
Source: ESRI

Once the Forest Site Map has been opened, select “Add” in the toolbar and then “Add Layer from File” in the drop down options (Fig. 3.2). That will open a dialogue box that allows you to choose the file and upload it. Make sure there are no blank columns left in the table or else it will not accept it. Once the table shows up as a layer in the map, it will be accessible via the database. Make sure to save your map before working on the Database! If you do not save the table to the map it will not appear in the Database.

Accessing and Updating the Dashboard

The Forest Site Dashboard can be accessed through the ArcGIS *Content* tab (Fig. 4.1).

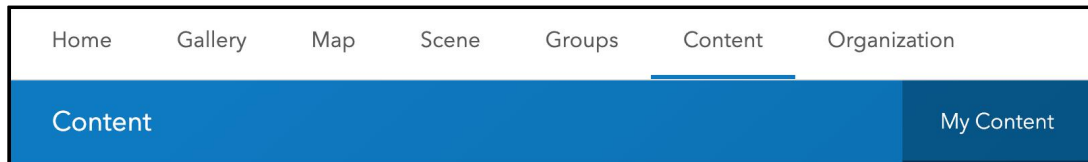


Fig. 4.1. ArcGIS landing page header.
Source: ESRI

The Bard Forest Site Dashboard will be in the content list (Fig. 4.2).



Fig. 4.2. Forest Site Map as found in Content list.
Source: ESRI

Once selected, the landing page for the dashboard will open.

Select *Edit Dashboard* (Fig. 4.3).



Fig. 4.3. Bard Forest Site landing page.
Source: ESRI

Once the dashboard is opened, the map and table elements of the database should be visible (Fig. 4.4). All of the elements can then be edited.

If either the table or the map is not visible, there is likely an issue with the Forest Site Map. I would recommend going back to the Web Map and ensuring that the table and map are properly loaded and saved.

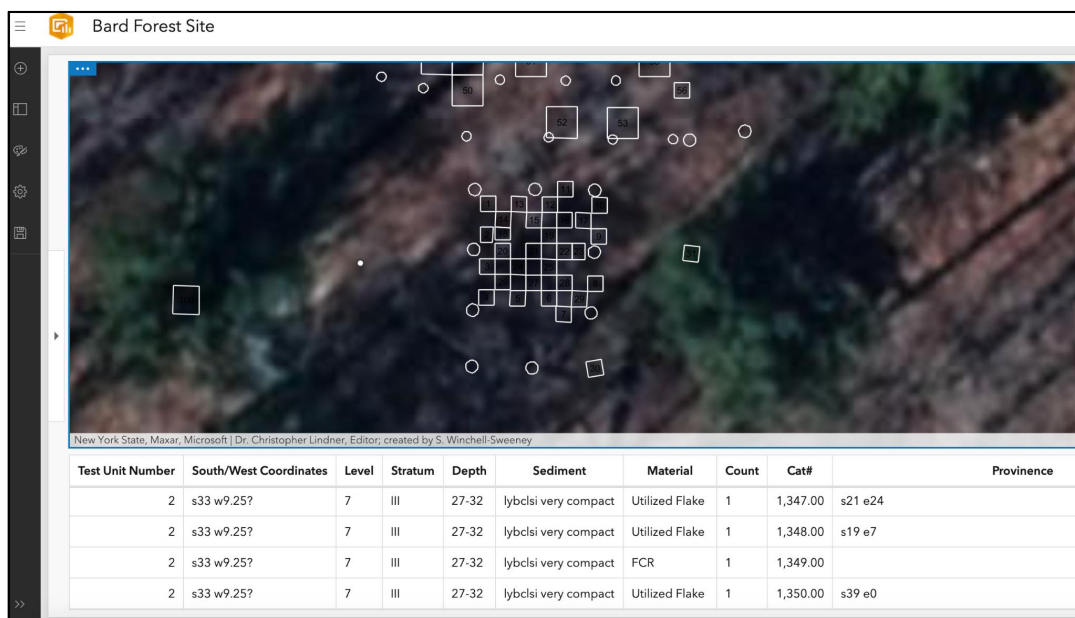


Fig. 4.4. Bard Forest Site Dashboard when opened.
Source: ESRI

Accessing Configuration Menus

The first element of the Dashboard that should be configured is the *Unit Catalog*. This can be found by clicking on the small arrow on the left side of the Dashboard (Fig. 5.1).

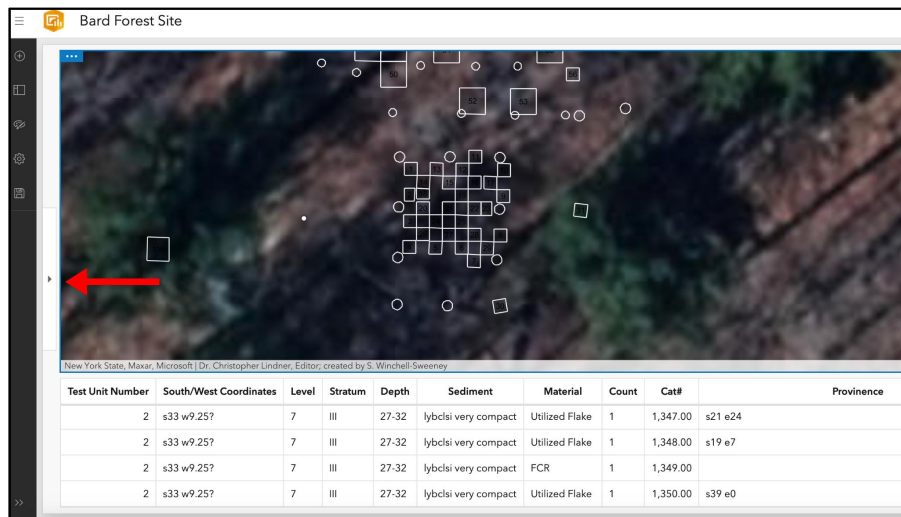


Fig. 5.1. Button to open sidebar menu in Forest Site Dashboard.
Source: ESRI

The arrow will open an element called a *Sidebar* (Fig. 5.2), which contains both the *Unit Catalog* and the *Unit Locator* menus. Both the *Unit Catalog* and the *Unit Locator* are classified as *Category Selectors*.

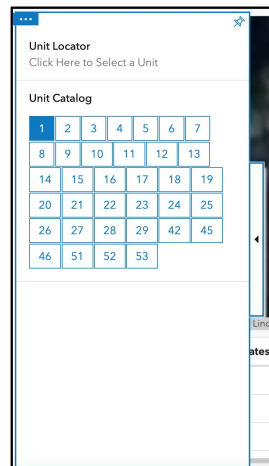


Fig. 5.2. Open sidebar in the Bard Forest Site Dashboard.
Source: ESRI

The Configuration menu for all Dashboard elements can be accessed by clicking the three dot button that appears in the upper right corner of the element when you hover over it (Fig. 5.3), and once you click on the three dot button, the gear button appears (Fig. 5.4) which, when selected, will take you to the configuration options. You can use that menu to connect the *Unit Catalog* to a new table.

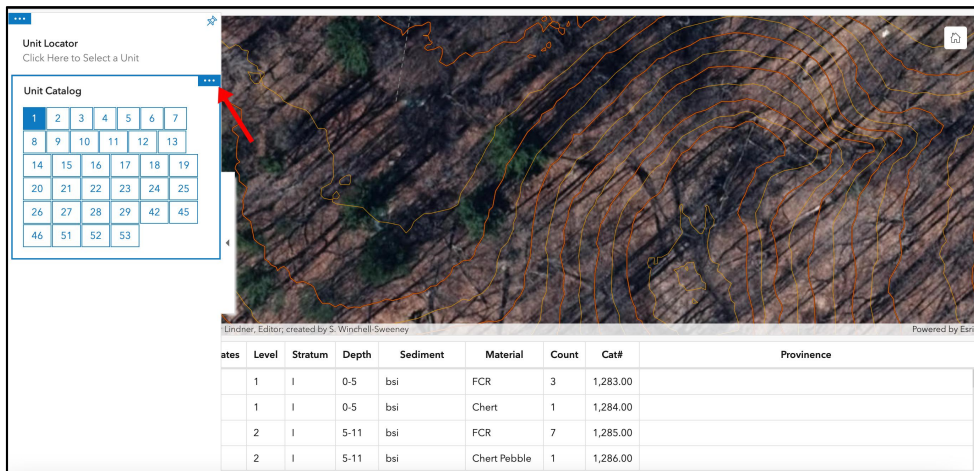


Fig. 5.3. Three dot button for Unit Catalog.
Source: ESRI

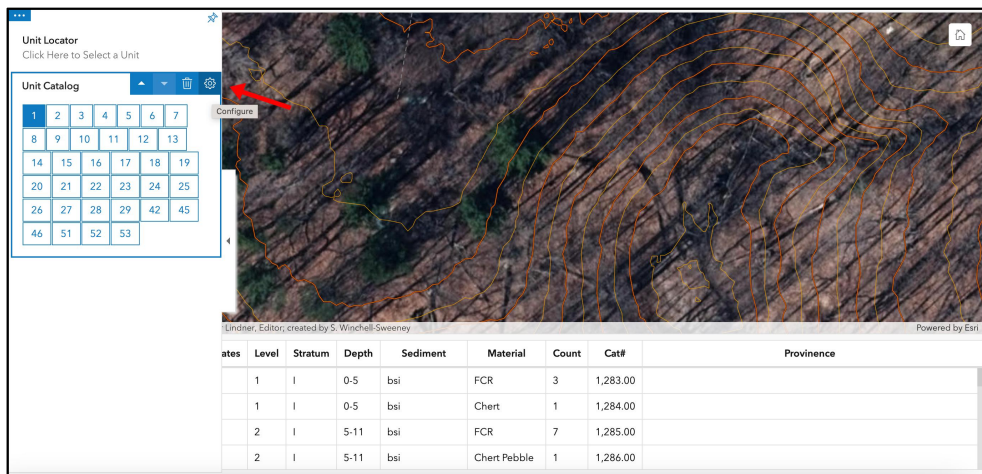


Fig. 5.4. Gear button for Unit Catalog.
Source: ESRI

Unit Catalog Configuration: Data

Once you click on the gear symbol for the *Unit Catalog* (Fig. 6.1), the *Category selector* configuration menu will open (Fig. 6.2).



Fig. 6.1. Close up of gear button for Unit Catalog.
Source: ESRI

> Click on the *Data* tab containing the *Data options*.
> Under *Categories from*, select “Grouped values.”

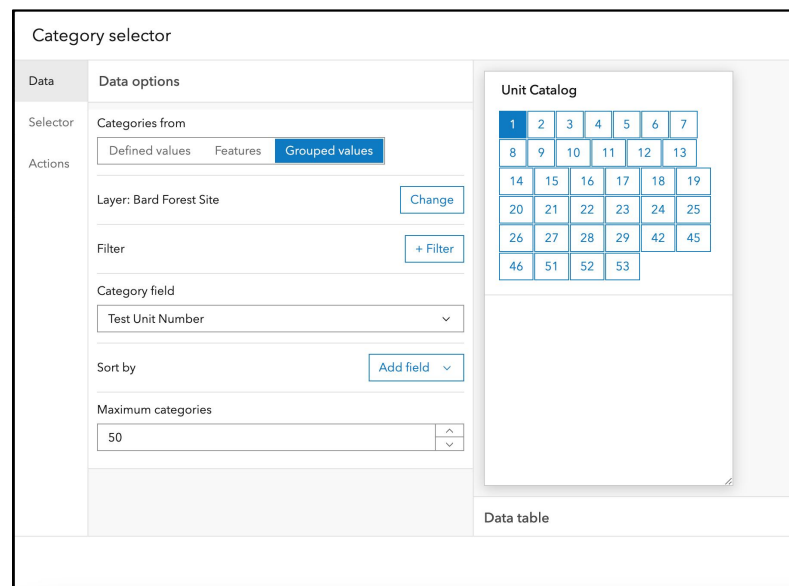


Fig. 6.2. Unit Catalog Data configuration menu.
Source: ESRI

> *Layer* should be set to the table that you have added. Mine is called Bard Forest Site.
> Then, the *Category field* should be set to **Test Unit Number**.

The rest of the settings can be left to their default.

Unit Catalog Configuration: Selector

The next settings in the *Category selector* page for the *Unit Catalog* are the *Selector options* (Fig 7.1). These settings will determine the appearance of the *Unit Catalog*.

- > On the left side, choose the *Selector* tab, which contains *Selector options*.
- > Under *Presentation mode* choose “Inline.”
- > Under *Display type* choose “Button bar” so that all of the options are visible.
- > *Selection* should be set to “Single.” If it is “Multiple,” it not work to isolate data on the table.
- > Leave *None option* off.

will

Fig. 7.1. Selector options for Unit Catalog.
Source: ESRI

All other settings can be left to their default.

Unit Catalog Configuration: Actions

This section of settings for the *Unit Catalog* is quite important. The *Actions* will determine what happens when certain items are clicked on. For example, the *Unit Catalog* shown is set with an action that renders, or makes visible, the correct **Test Unit Number**'s catalog on the table when a selection is made in the *Unit Catalog* (Fig. 8.1).

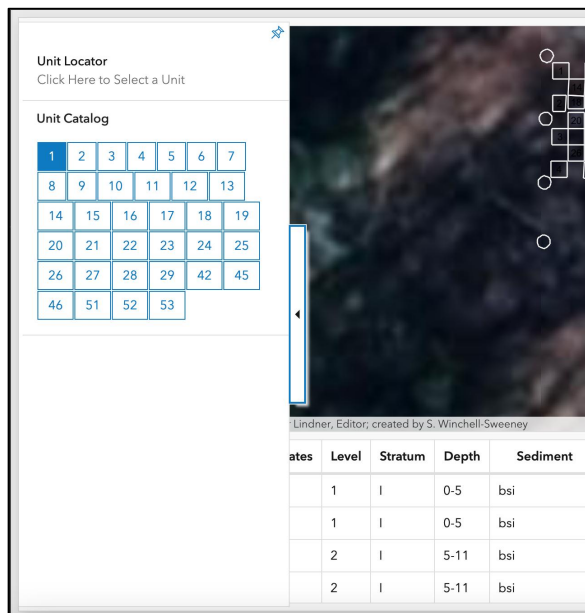


Fig. 8.1. Unit Catalog number selected in Unit Catalog.
Source: ESRI

Within the configuration menu, the *Actions* menu is on the left (Fig. 8.2).

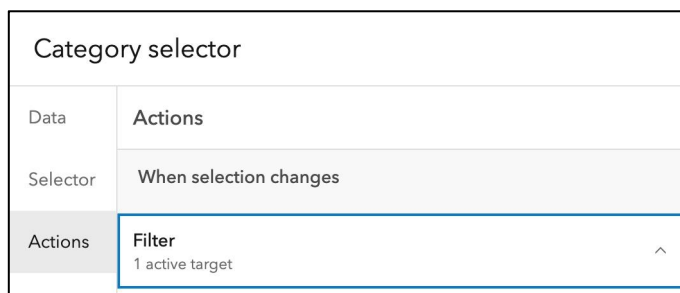


Fig. 8.2. Actions for Unit Catalog.
Source: ESRI

Once you select the *Actions* tab, you will see a drop down menu called *Filter* (Fig. 8.2). It is likely that it will still have the subheading “1 active target.” Once the *Filter* drop down menu is clicked on, all of the filter options will be visible (Fig. 8.3).

> Toggle “on” the *Table (1)*

option.

> Check the box labeled

“Render only when filtered.”

This is what will interact with the table to show each selection as it is clicked on.

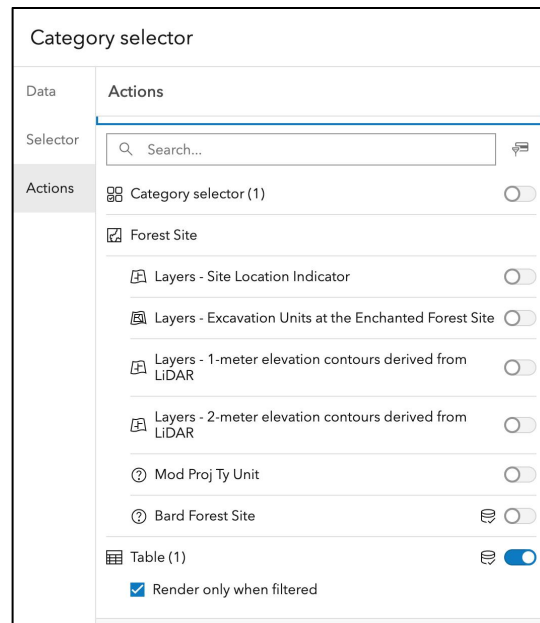


Fig. 8.3. Filter drop down menu in Unit Catalog Actions.

Source: ESRI

Unit Locator Configuration: Data

The other element in the *Sidebar* that contains the *Unit Catalog* is the *Unit Locator* (Fig. 9.1). The drop down menu in the *Unit Locator* allows the user to find a unit on the map to give spatial context when looking at the correlating *Unit Catalog*.

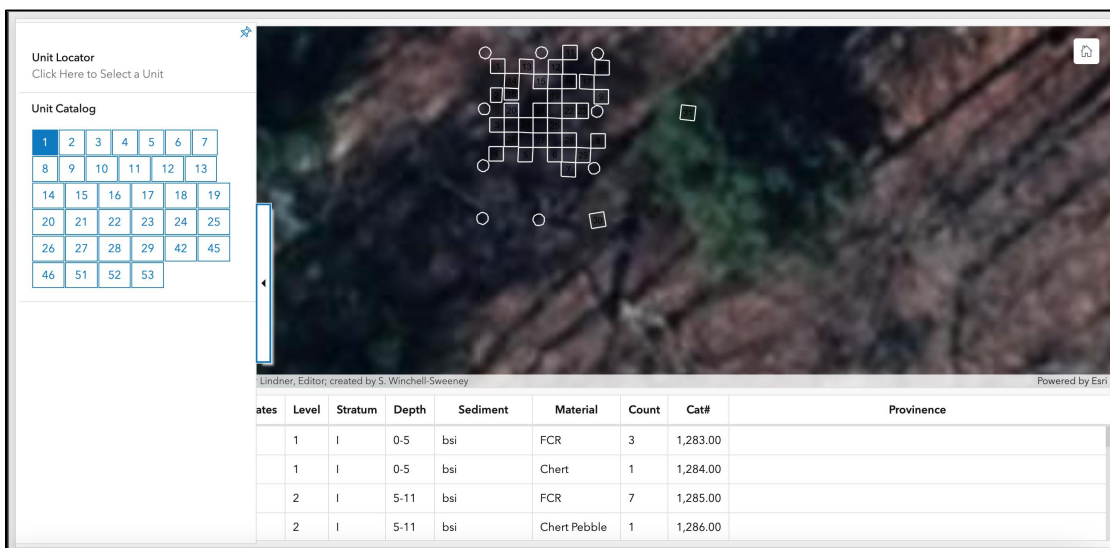


Fig. 9.1 Sidebar in Forest Site Dashboard.
Source: ESRI

The settings for the *Unit Locator* can be reached by clicking the gear button in the upper right corner of the *Unit Locator* element. (Fig. 9.2)

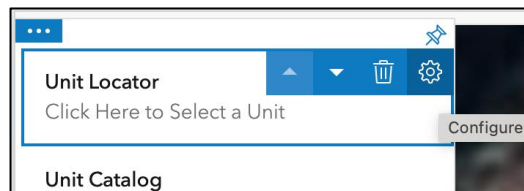


Fig. 9.2. Gear button for Unit Locator.
Source: ESRI

The settings for the *Unit Locator* have the same tab options as the settings for the *Unit Catalog*: *Data*, *Selector*, and *Actions*.

- > Click the *Data* tab on the left, which will bring you to *Data options* (Fig. 9.3).
- > Under *Categories from*, select “Features.”
- > For *Layer*, select the “Excavation Units at the Enchanted Forest Site” layer.

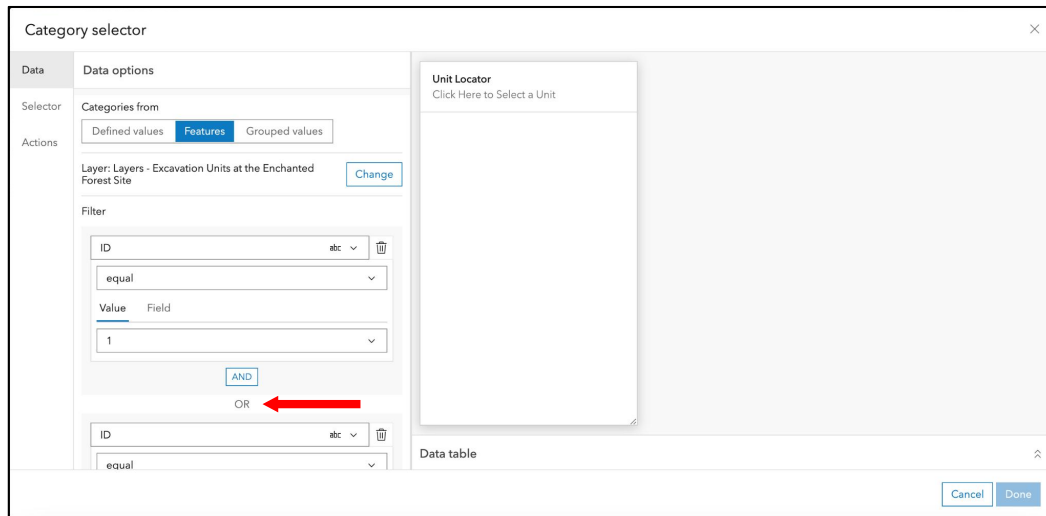


Fig. 9.3. Data options for Unit Locator.
Source: ESRI

Once the layer is connected, the *Filter* can be set up. Each *Filter* has the options “AND” and “OR” following them. Make sure that “OR” is selected.

- > In the first drop down option select “ID,” which is the **Test Unit Number**.
- > Set the second drop down option to “equal,” this will tell the program to only show whatever value is set in the third drop down.
- > Set the third drop down as one **Test Unit Number**. I started with “1” and made a *Filter* for each individual unit.
- > Set the “AND/OR” option to “OR” in order for each ID number to show up separately in the drop down menu.

Unit Locator Configuration: Selector

The next tab in the configuration menu for the *Unit Locator* is *Selector* which contains settings that allow you to customize the appearance of the drop down menu of the Unit Locator.

- > Click on *Selector* on the left which will bring you to *Selector options* (Fig. 10.1).
- > Under *Presentation mode* select “Dropdown.”

I found this to be the most practical option since the Unit Catalog Selector is set to appear in a different presentation mode, and I wanted to differentiate the two.

The screenshot shows the 'Category selector' configuration interface. On the left, there are two tabs: 'Data' and 'Selector'. The 'Selector' tab is selected. The main area is titled 'Settings' and contains the following options:

- Data:** Selector options
- Label:** Unit Locator
- Icon:** Add icon button
- Presentation mode:** Inline, Accordion, **Dropdown**
- Selection:** **Single**, Multiple
- Show search:**
- Show reset:**
- Maximum height:** **Compact**, Extended

Fig. 10.1. Selector options for Unit Locator.
Source: ESRI

- > Set *Selection* to “Single,” otherwise it would not isolate the *Action* that will be set later.
- > Toggle “on” *Show search*. This will allow the user to search the unit that aligns with the catalog they are viewing.

Unit Locator Configuration: Actions

The *Actions* settings for the *Unit Locator* are slightly different than for the *Unit Catalog*.

- > Click on *Actions* on the left.
- > Find the second option down *Flash*. This setting will cause the Test Unit on the map to flash with a purple border when its **Test Unit Number** is selected in the *Unit Locator*.
- > Under *Flash* toggle “on” “Forest Site”

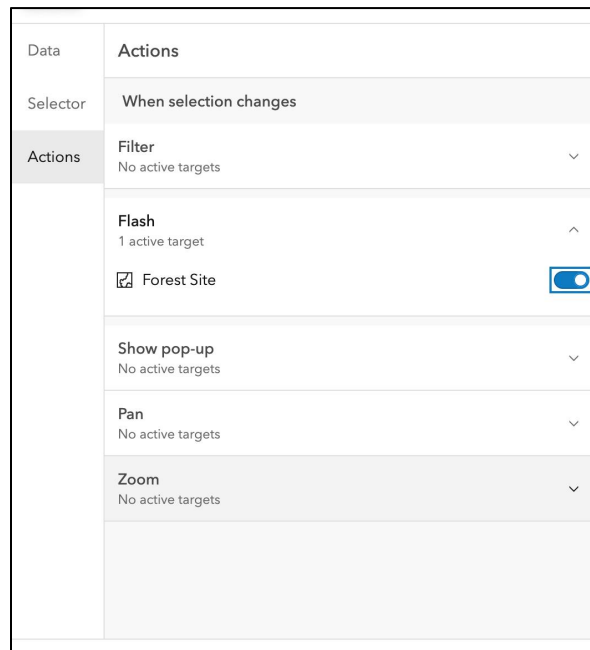


Fig. 11.1. Actions for Unit Locator.
Source: ESRI

The *Zoom* setting could also be set for “Forest Site,” however, since the map has a limited maximum zoom, it does not make much of a difference.

Minimize the Sidebar by clicking the arrow on the right of it before moving on to the next steps.

Dashboard Table Settings

The table element in the Dashboard must have the correct configuration settings as well (Fig 12.2). They can be accessed through the gear button in the upper left corner of the table (Fig. 12.1).

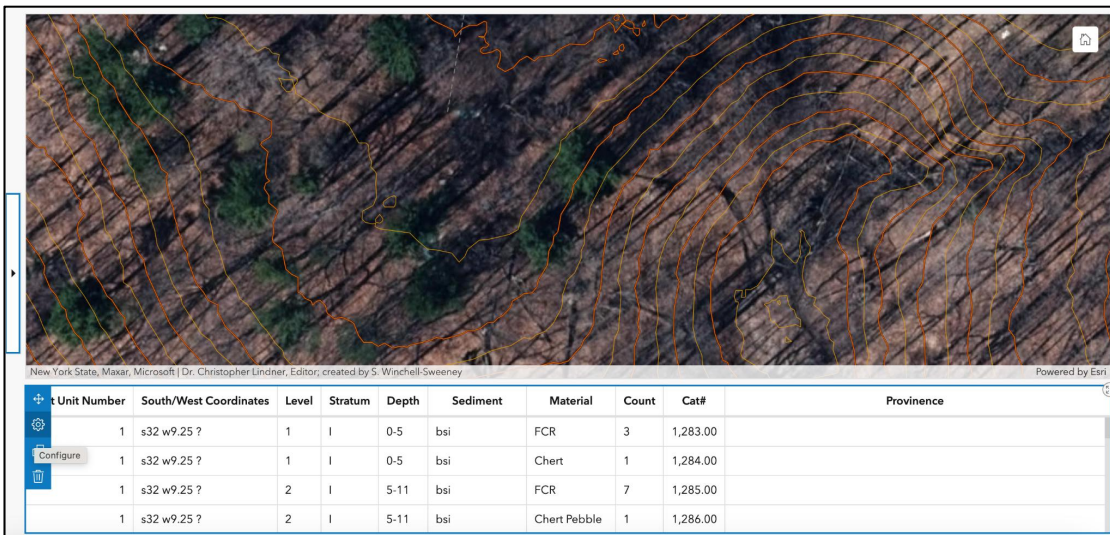


Fig. 12.1 Gear button for Forest Site Dashboard table.
Source: ESRI

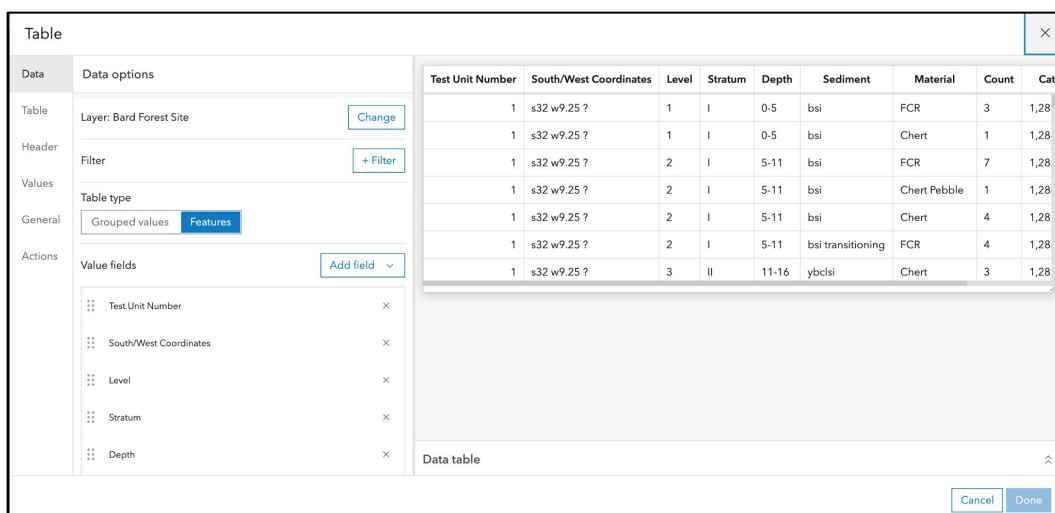


Fig. 12.2. Data options for table.
Source: ESRI

- > Within the *Table* settings select the *Data* tab on the left.
- > Set *Layer* to the table that was imported previously
- > Under *Table type* select “Features.”
- > Click the *Add field* button next to *Value fields*.
- > Add the fields: **Test Unit Number, South/West Coordinates, Level, Stratum, Depth, Sediment, Material, Count, Catalog Number, and Provenience.**

The fields should be entered in the order they are in on the table, but if one is skipped, they can be rearranged by dragging them via the grid of dots on the left of each field.

All other settings for the table can be left to their default.

Dashboard Map Settings

The map settings can be accessed through the gear symbol in the upper left of the map element.

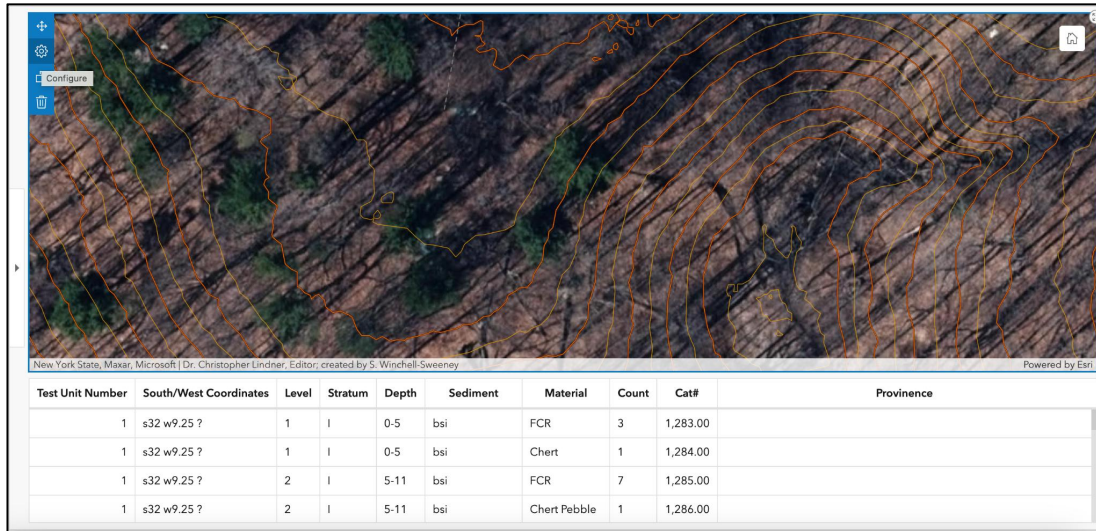


Fig. 13.1. Gear button for map.
Source: ESRI

For the most part, the settings for the map can be kept to the default (Fig. 13.2).

> Toggle *Pop-ups*

“on.”

> Toggle *Default*

extent and

bookmarks “on.”

I have left the other

settings “off.”

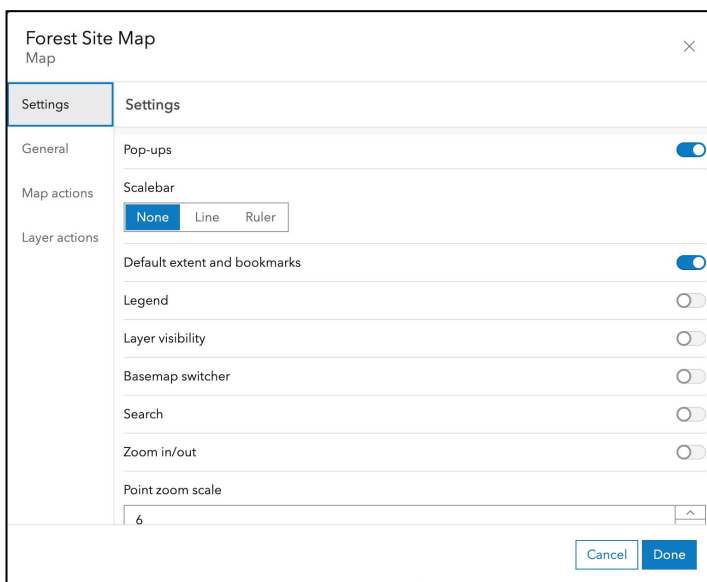


Fig. 13.2. Settings for Forest Site Map.
Source: ESRI

Mobile Dashboard: ArcGIS Experience Builder

The dashboard for the mobile website had to be made in the ArcGIS Web Experience Builder. However, the Mobile Forest Site Dashboard can be accessed through the ArcGIS *Content* tab like the other dashboard (Fig 14.1).

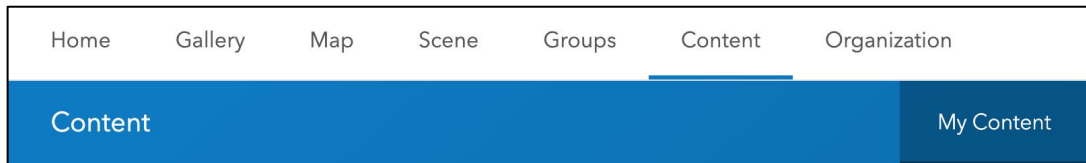


Fig. 14.1. ArcGIS landing page header, content tab.
Source: ESRI

The Mobile Forest Site Dashboard will be in the content list (Fig.14.2).

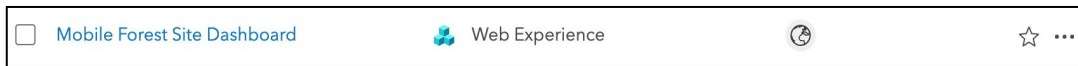


Fig. 14.2. Mobile Forest Site Dashboard in content list.
Source: ESRI

That link will lead to the initial landing page for the Mobile Dashboard (Fig. 14.3).

Select *Edit*.

That will bring you to the Mobile Forest Site Dashboard.

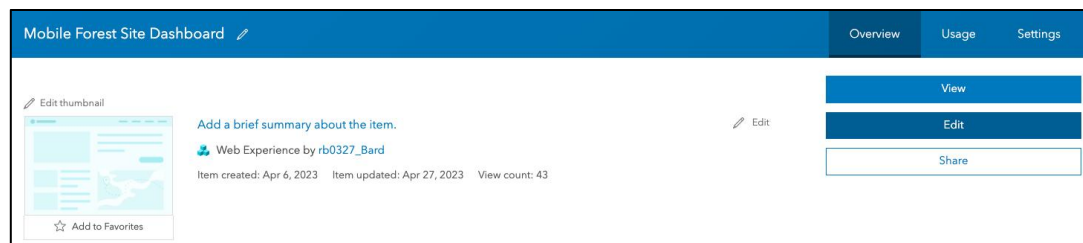


Fig. 14.3. Mobile Forest Site Dashboard initial landing page.
Source: ESRI

The Mobile Forest Site Dashboard should open with the map and table loaded (Fig. 14.4). It will be in a computer mode, so it will not look correct, but it is!

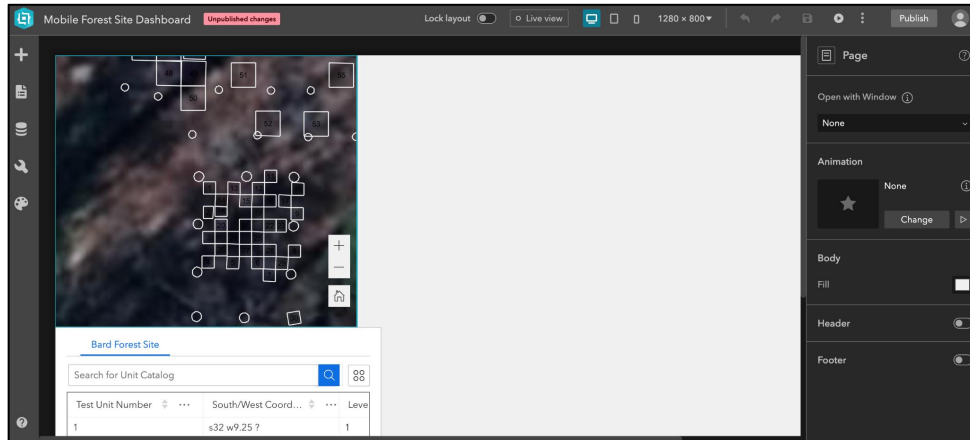


Fig. 14.4. Mobile Forest Site Dashboard when first opened.
Source: ESRI

Since the page defaults to the computer view, it has to be changed to mobile view. In the top toolbar you will see three icons that represent the screen size, select the third option. Then the dashboard will switch to mobile view (Fig. 14.5).

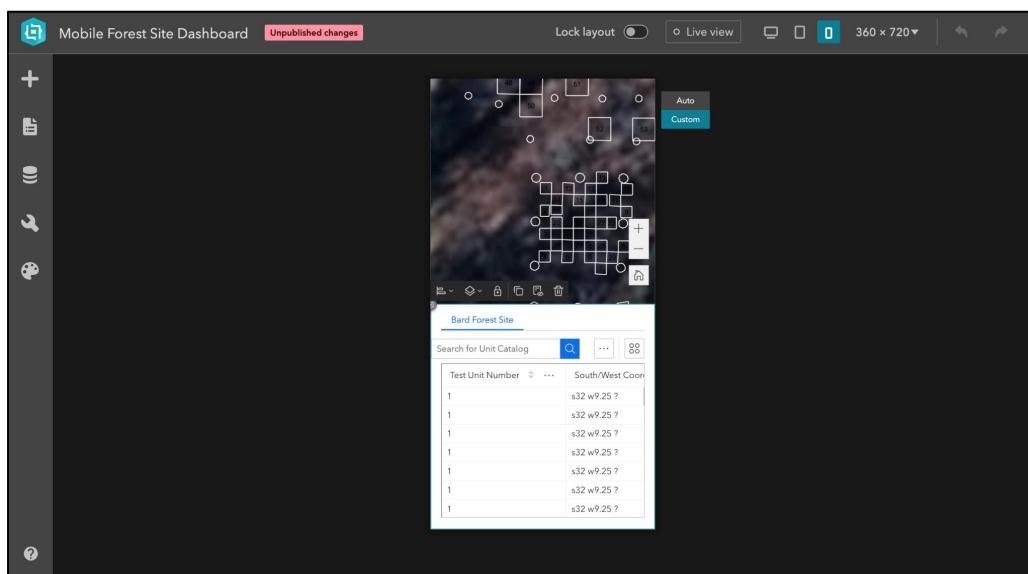


Fig. 14.5. Mobile view for Mobile Forest Site Dashboard.
Source: ESRI

The ArcGIS Experience Builder draws data from the Forest Site Map. If the *Data* tab is not showing the Forest Site Map, it will have to be reconnected. Follow these steps to reconnect the map.

- > Click on the stacked circle symbol in the left toolbar (Fig. 14.6).
- > Click on the *Add data* button.

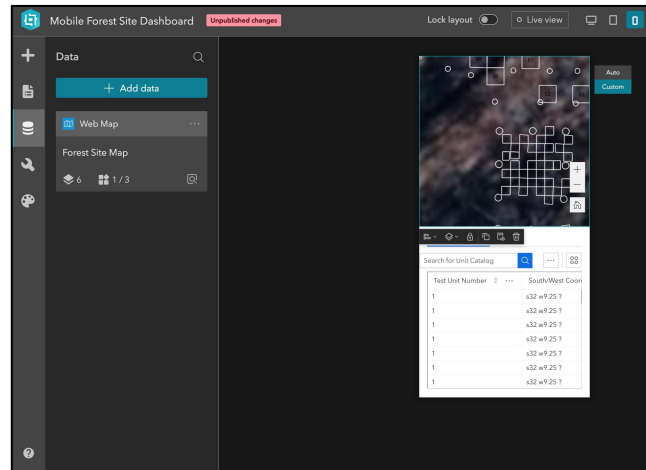


Fig. 14.6. Data options Mobile Forest Site Dashboard.
Source: ESRI

The *Add data* pop-up will open (Fig. 14.7).

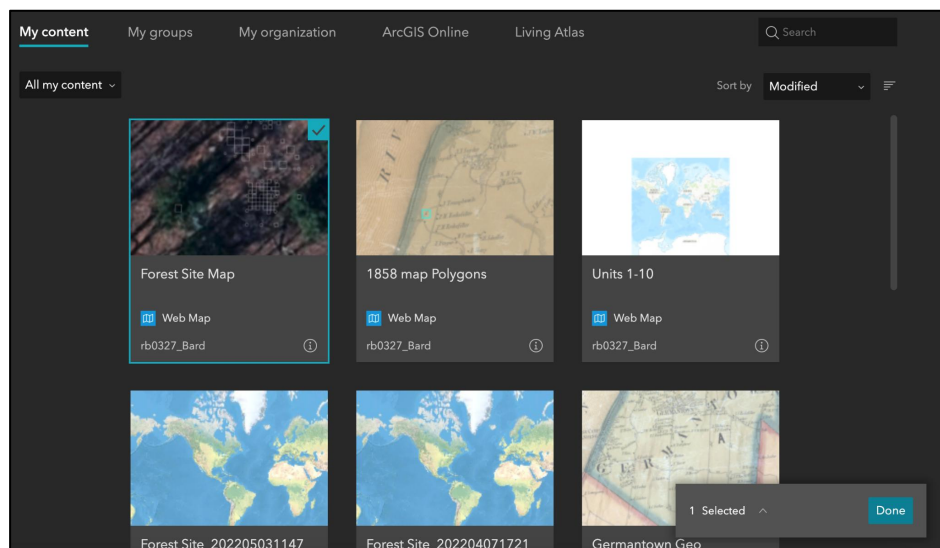


Fig. 14.7. Add data pop-up in Mobile Dashboard.
Source: ESRI

- > Select *Web Map* on the left.
- > Select *My content*.
- > Select *Forest Site Map*.
- > Select *Done* in the bottom right corner.

Once the Forest Site Map is connected, then you can ensure that the table is connected correctly.

Mobile Dashboard: Table Settings

To set up the mobile dashboard with a new table, the following steps should be used.

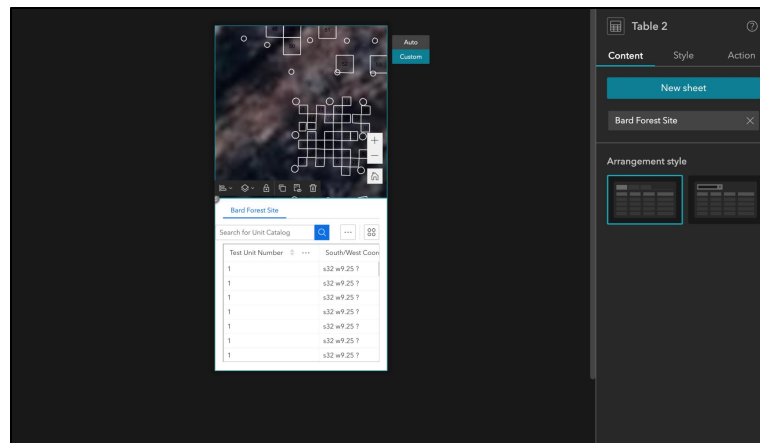


Fig. 15.1. Table settings Mobile Dashboard.
Source: ESRI

- > Click on the table on the Mobile Dashboard. A menu will appear on the right (Fig. 15.1).
- > Under *Content*, click on *Bard Forest Site* in the gray box.

Another menu will open to the left of the current menu (Fig. 15.2).

In the new *Sheet configuration* menu (Fig. 15.3):

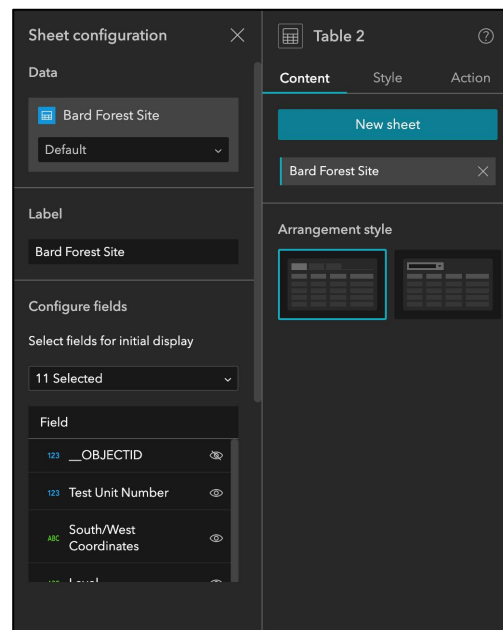


Fig. 15.2. Sheet configuration menu for Mobile Dashboard table.
Source: ESRI

> Under *Data*, click on the gray box that says *Bard Forest Site*.

A *Select data* menu will open in which you will be able to see all of the layers within your Forest Site Map (Fig 15.4). One of the options will be your table. Once that is selected you can continue to fine tune the settings.

Back in the *Sheet configuration* menu, there are only two settings to be very careful about.

> Under *Configure fields*, click the eye symbol to the right of *_OBJECTID* so that the eye has a backslash through it.

The *_OBJECTID* (Object ID) field is arbitrarily created by the system when a table is uploaded, so the numbers it produces are not important for your work.

> Under *Tools*, make sure that *Search* is toggled “off.”

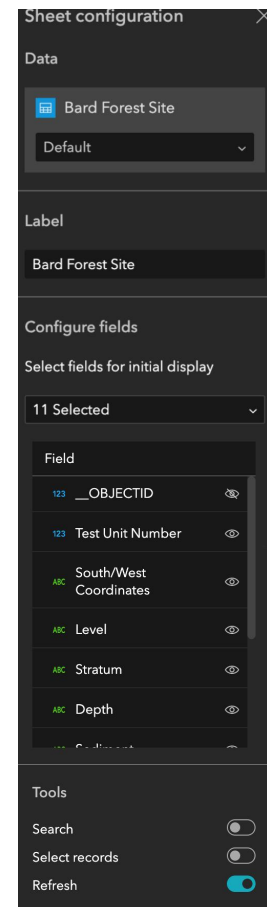


Fig. 15.3. Full Sheet configuration menu. Source: ESRI

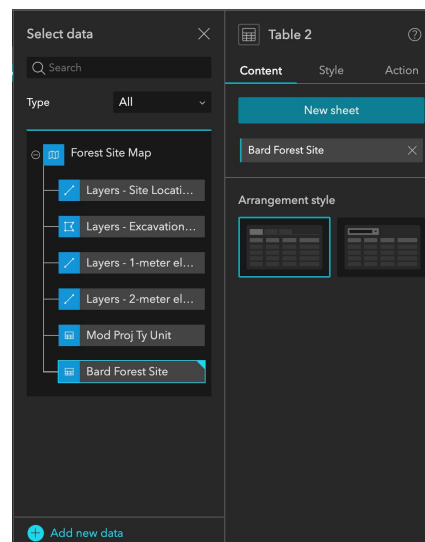


Fig. 15.4. Select data menu for table in Mobile Dashboard. Source: ESRI

Mobile Dashboard: Map Settings

The map in the mobile dashboard has a menu of options that opens on the right of the screen when the map is clicked on (Fig. 16.1).

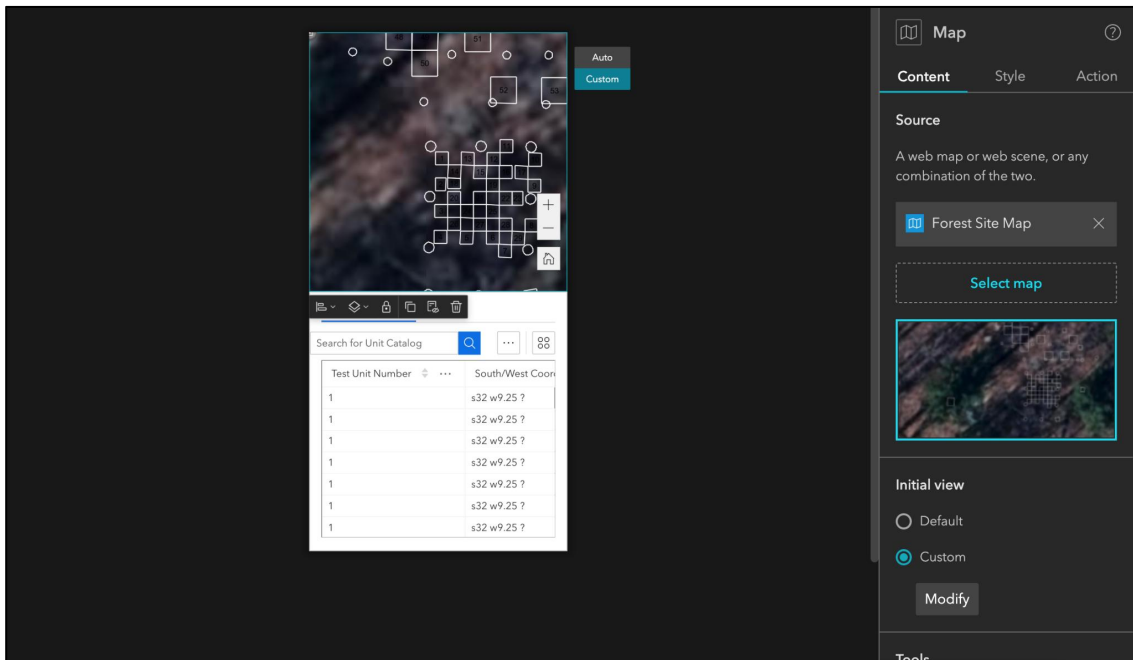


Fig. 16.1. Menu for Mobile Dashboard map.
Source: ESRI

The settings for the map are all within the *Content* tab. To include all of the settings in one image (Fig. 16.2), the steps will all be on the next page.

- > Under *Initial view* toggle *Custom* “on.”
- > Under *Tools*, toggle *Zoom* “on.”
- > Toggle *Home* “on.”
- > Toggle *Navigation* “on.”

- > Under *Tools Layout* select the large size map.

- > Under *Options* toggle *Enable scroll zooming* “on.”
- > Toggle *Enable pop-up* “on.”

All other settings can stay “off.”

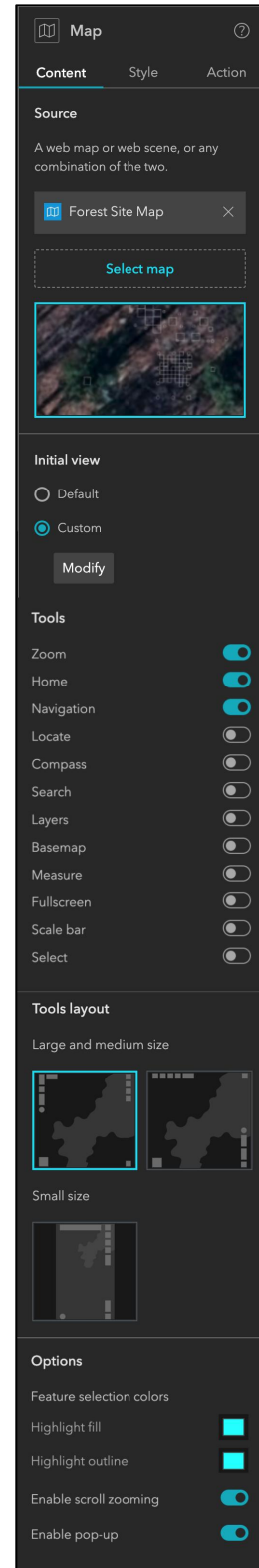


Fig. 16.2. Content menu for map settings.
Source: ESRI

Embedded Dashboard on Website

I designed the Forest Site website on the Wix website building platform. Wix makes it very easy to embed a link into the website. Typically, the embedded website updates automatically; however, if it does not seem to be working, re-embedding it is very simple.

First, you will need the Bard Forest Site Dashboard URL, which can be found easily.

> On the ArcGIS landing page, select the *Content* tab (Fig. 17.1).



Fig. 17.1. ArcGIS landing page header, content.
Source: ESRI

> Select the Bard Forest Site Dashboard in the Content list (Fig. 17.2).



Fig. 17.2. Bard Forest Site Dashboard in content list.
Source: ESRI

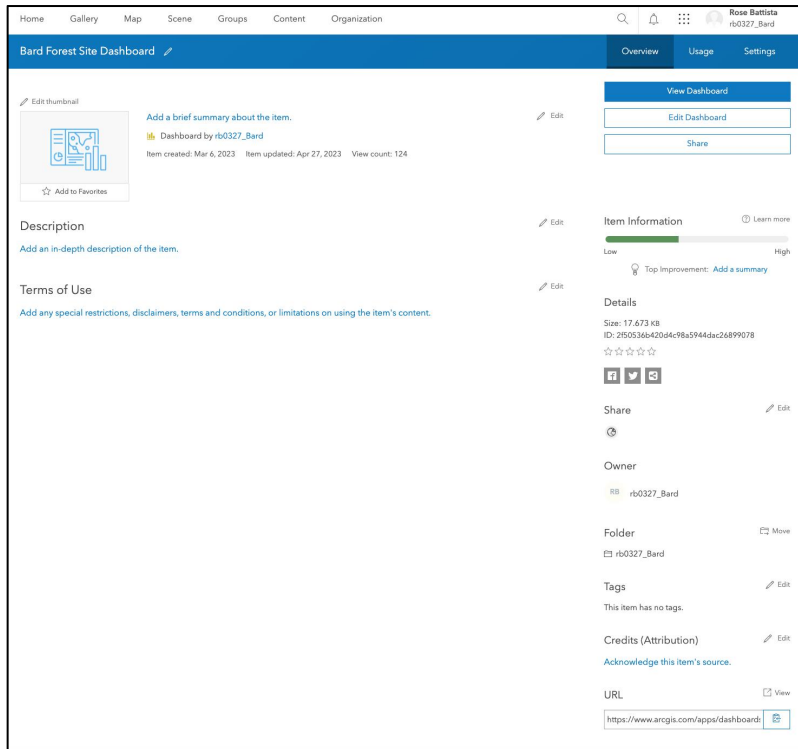


Fig. 17.3. Bard Forest Site Dashboard landing page, full view.
Source: ESRI

- > Scroll all the way down on the Bard Forest Site Dashboard landing page (Fig. 17.3).
- > At the bottom, click the button to the right of the URL to copy it.

Once those steps are completed, you will need to open Wix. The login can be given to those who need access.

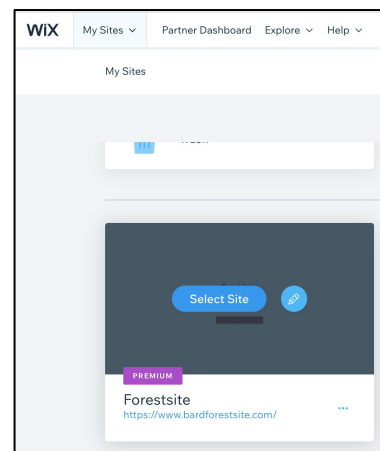


Fig. 17.4. Bard Forest Site on Wix dashboard.
Source: Wix

- > Open the website at <https://manage.wix.com/account>

> Hover over the bardforestsites.com square, and select the pencil icon to edit the website (Fig. 17.4).

In the upper left when editing the website, there is a drop down menu that will be labeled *Page: Home*.

> Click on the *Page:* drop down menu and select *Dashboard* (Fig. 17.5).

> Once the page opens, click on the *Dashboard*.

> Click the button that says *Change Website Address* (Fig. 17.6).

This will open an HTML Settings pop-up that allows you to enter the URL that you copied from the Bard Forest Site Dashboard landing page (Fig 17.7).

> Under *What do you want to add?* select “Website address.”

> Under *What’s the website address?* paste the URL that you copied.

> Click the *Update* button.

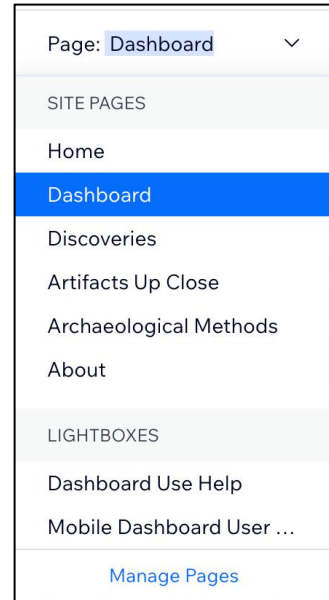


Fig. 17.5. Page menu in Wix editing mode.
Source: Wix



Fig. 17.6. Change Website Address button.
Source: Wix

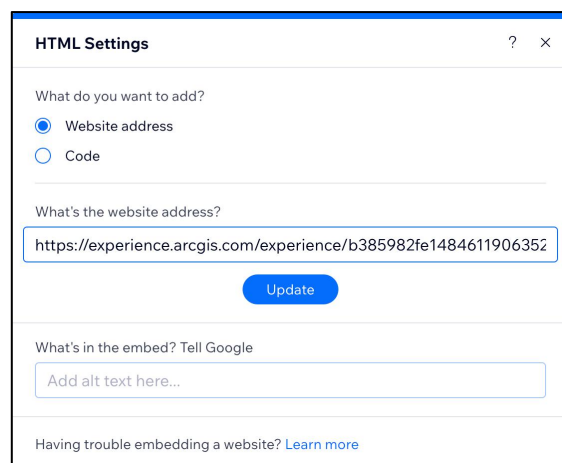


Fig. 17.7. HTML Settings pop-up.
Source: Wix

Embedded Dashboard on Mobile Website

Updating the embedded dashboard for the mobile site follows the same steps, but first you must switch to mobile view in the Wix editor.

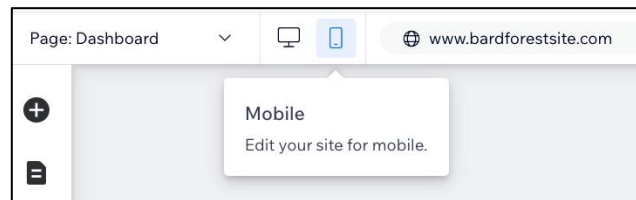


Fig. 18.1. Switch to Mobile button in Wix edit mode.
Source: Wix

To switch to mobile view, use the buttons in the top toolbar. Click the one on the right that looks like a mobile device. Once you are in mobile view, you can follow the same steps as above to re-embed the Mobile Dashboard.

The only thing that will be different is the URL that you need. The URL for can be found at the bottom of the Mobile Forest Site Dashboard landing page (Fig. 18.2).

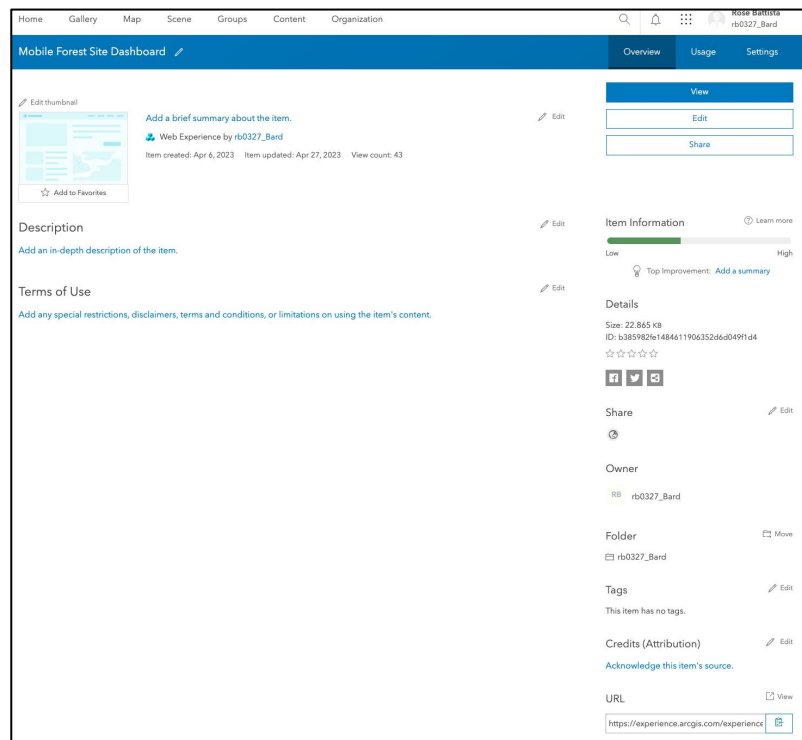


Fig. 18.2. Full view Mobile Forest Site Dashboard landing page.
Source: ESRI

Updating the Website Photo Galleries

The two photo galleries on the website can also be updated. The Artifacts Up Close page and the Forest Site Discoveries page each contain photos that have been taken at the Forest Site over the past three years. Luckily, adding photos to Wix is very simple!

> Click the plus symbol at the top of the left hand toolbar (Fig. 19.1).

> Click *Image* in the left option menu.

> Click *Upload & Import* and upload your photos!

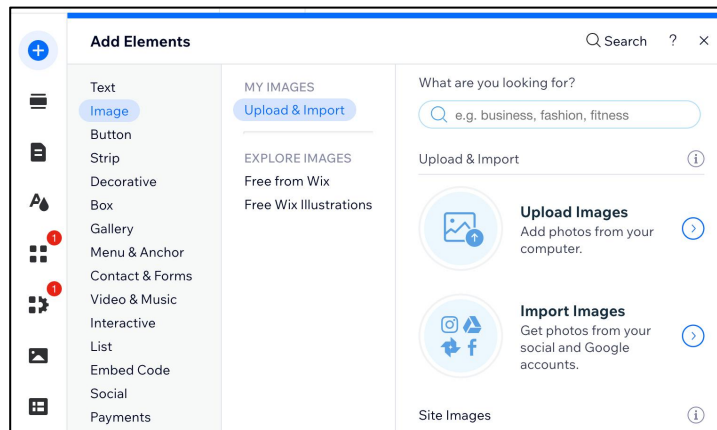


Fig. 19.1. Add Elements menu in Wix edit mode.

Source: Wix