Introduction to ArcGIS Online (AGOL)
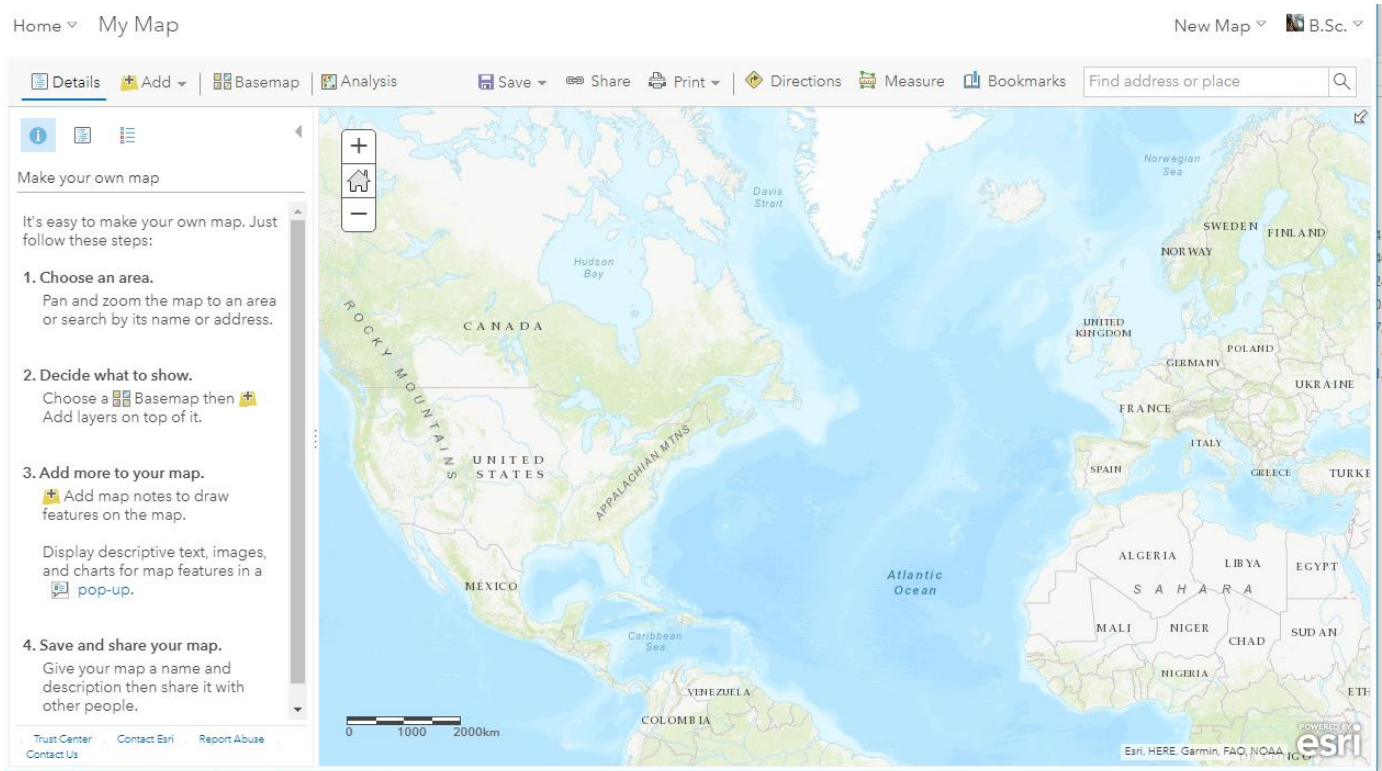
ArcGIS Online is a web mapping platform in the cloud. We will use this technology to create an interactive display of the data collected in the HLSC 3P96 course.

1. Go to https://www.arcgis.com/home/signin.html and sign in with your organizational login.
2. From the links across the top, click "Map".

Adding data to the map

3. Click **Add > Search for layers** (This option searches our organization for available layers)
4. Change the folder to search in from **My Content** to **My Organization**.
5. In the search window type **TTE2019** and hit enter. The layers that were created for Collector for ArcGIS are listed here.
6. Click the plus symbol ⊕ to add each layer to the map.
   a. TTE2019
   b. Ina Grafton Gage
   c. Bus Routes
7. Click the back arrow to the left of My Organization.
8. Click the Content button to see the list of layers added to your map.
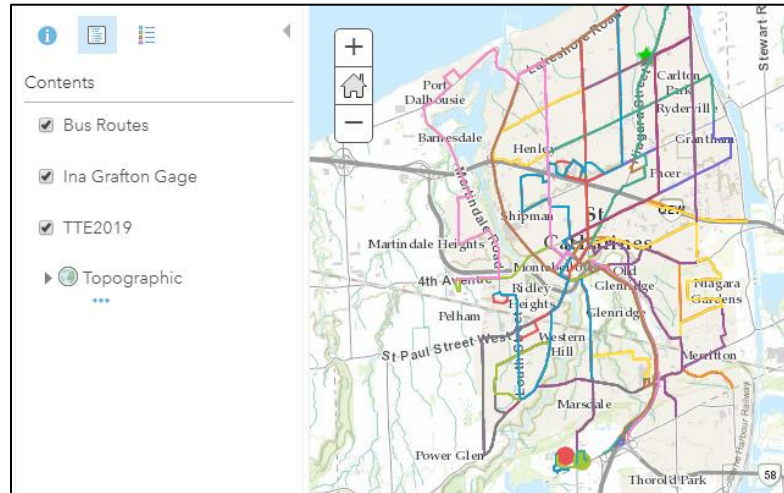
9. The layers are listed by drawing order. Move the Bus routes layer below TTE2019 by dragging it using the 3 vertical dots to the left of the layer name

10. To Save the map, click **Save > Save As**. Provide a unique **title**, **tags** and **summary**. The **Save in folder** option should default to your content.

11. Click **Save Map**.

BASICS

1. To turn the layer off, click the check box beside a layer name. For example, uncheck the Bus Routes layer.

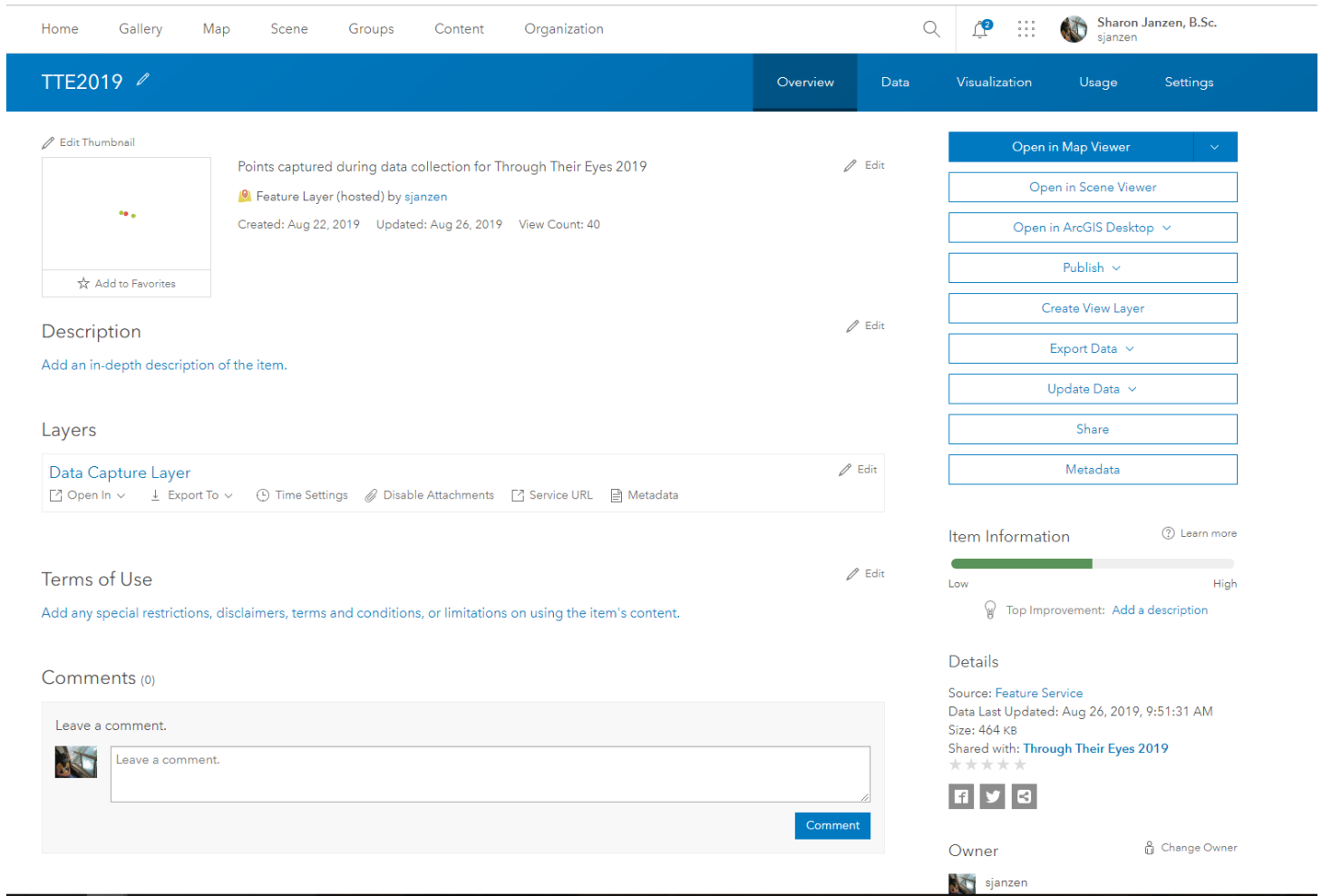2. Use the zoom tools or scroll wheel on the mouse to change the scale of the map view.

3. Alternately, click the ellipses next to a layer and select **Zoom To** . Notice the other options available through the context menu.

The **Zoom To** option zooms to the extent of the features in a given layer. You will notice the map is now enlarged to show just the location of Ina Grafton Gage. Zoom out a bit to reveal more of the surrounding area.

Viewing Item Details – TTE2019

Click the ellipses for the TTE2019 layer and select Show Item Details . The Item Details page appears. There are a number of pieces of information describing the TTE2019 feature layer. For now, we want to Export this layer to a new layer so we can customize it based on our individual group needs.

1. Click **Create View Layer** from the options on the right.
2. From the dialogue box, give the new layer a name (i.e. TTE2019_Group1).
3. Under **Save in Folder**, select your username at the top of the list.
4. Click OK.

5. The **Item Details** page appears for the new layer.

6. Click **Open in Map Viewer** to add the new layer to a map.

Filtering

1. Expand the legend of the **TTE2019_Group#** layer to reveal all of the groups.

2. To show points for your group only, click the filter button

3. Create an expression that matches the image below customized to your group number.

4. Click **APPLY FILTER AND ZOOM TO**.

Changing the Symbology

1. Click the title of a layer to expand the legend in the **Contents** pane. For example, click the layer name "Ina

    ☑ Ina Grafton Gage

    ⭐

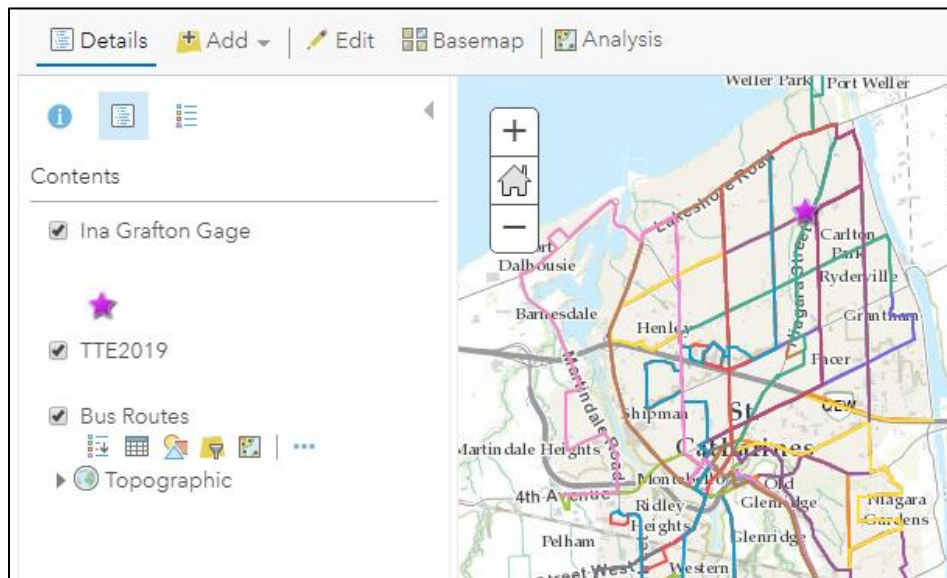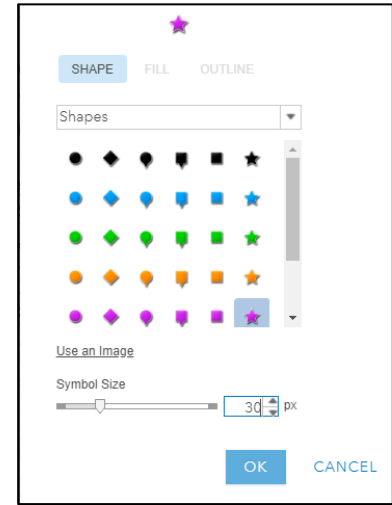   Grafton Gage" to reveal the green star symbol   .

2. To change the symbol, click the symbology icon 🖼️ found by hovering the mouse over a layer name.

3. The Change Style panel appears:

    ⭐ (purple star)

    Change Style
    Ina Grafton Gage

    SHAPE   FILL   OUTLINE

    Shapes ▼
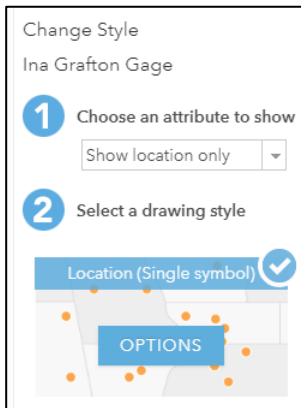
    4.   For step 1, keep the default **Show Location Only**.

    ① Choose an attribute to show
    Show location only ▼

    5.   For step 2, click **Options** for **Location (Single symbol).**

    ② Select a drawing style

    ⭐ Symbols

    6.   Click the word, **Symbols**, beside the green star

    Location (Single symbol) ✓

    7.   Choose an appropriate symbol, make sure the size is 30 px

    and click **OK**.

    OPTIONS

    8.   Click **OK** (bottom left of the panel). Then click **Done**.

    Use an Image

    Symbol Size

    30 px

    OK   CANCEL

📄 Details ➕ Add ▾ | ✏️ Edit 🗺️ Basemap | 🖼️ Analysis

Contents

☑ Ina Grafton Gage

⭐

☑ TTE2019

☑ Bus Routes

▶ 🌐 Topographic

4. For unique symbols: click the Change Style button 🖼️ , click **OPTIONS** for unique symbols then click each

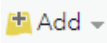   symbol and browse to the desired symbol.
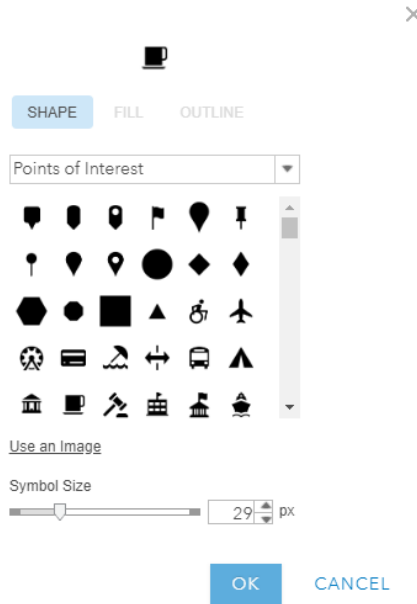
5. Change the symbol size to approx. 30 (depends on the zoom level of the map)

6. Click OK twice and Done.
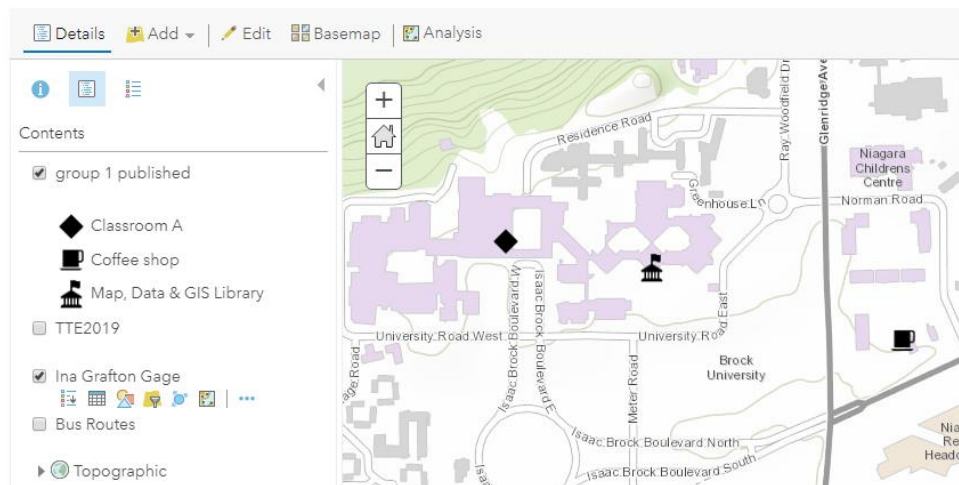
7. Click the ellipses and select **Save Layer** to save the symbology with your layer file.

8. To remove the original TTE2019 layer, click the ellipses and select Remove. Click yes to confirm.

9. Save the map.

Adding Custom Features

Map Notes are additional custom details including text, points, lines, polygons, etc. This section will cover some basic customization of the map using Map Notes.

1. From the ![Add] dropdown, click **Add Map Notes**. You are prompted to enter a name and select a template. Accept the defaults and click Create. The map is set to Edit mode and the Add Features template is available on the left.
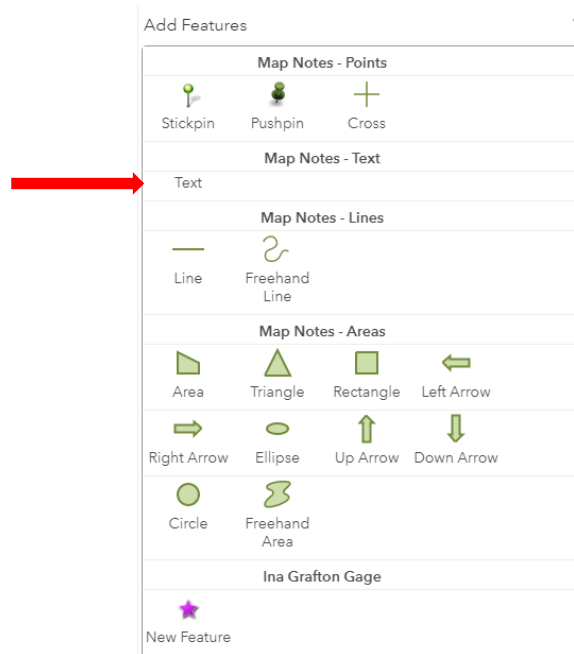
2. Click the Text feature and click on the map to add some text. Start typing and hit enter to finish.

3. To move the location of text, click on the text to activate the edit functions.

4. Drag the text to a new location.

5. Experiment with adding other features included with Map Notes.

6. When you are finished adding map notes, click the Edit button. To make additional changes, click the Edit button again.

7. Click ![Save]

Printing

1. Click **Print > PDF Landscape**. This will generate a PDF version of the map based on the current zoom and display settings.