How to make an ESRI Storytelling Interactive webmap

1) **Go to the following website:** http://www.arcgis.com/
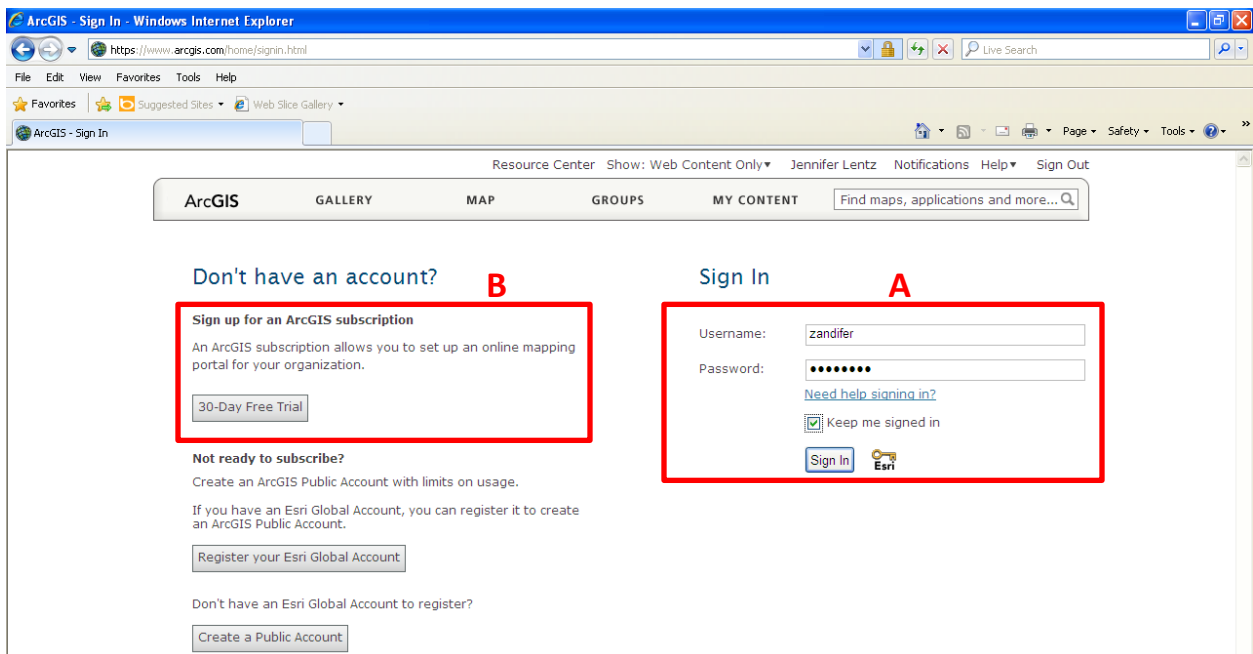   and click the "Sign in" link in the upper right hand corner
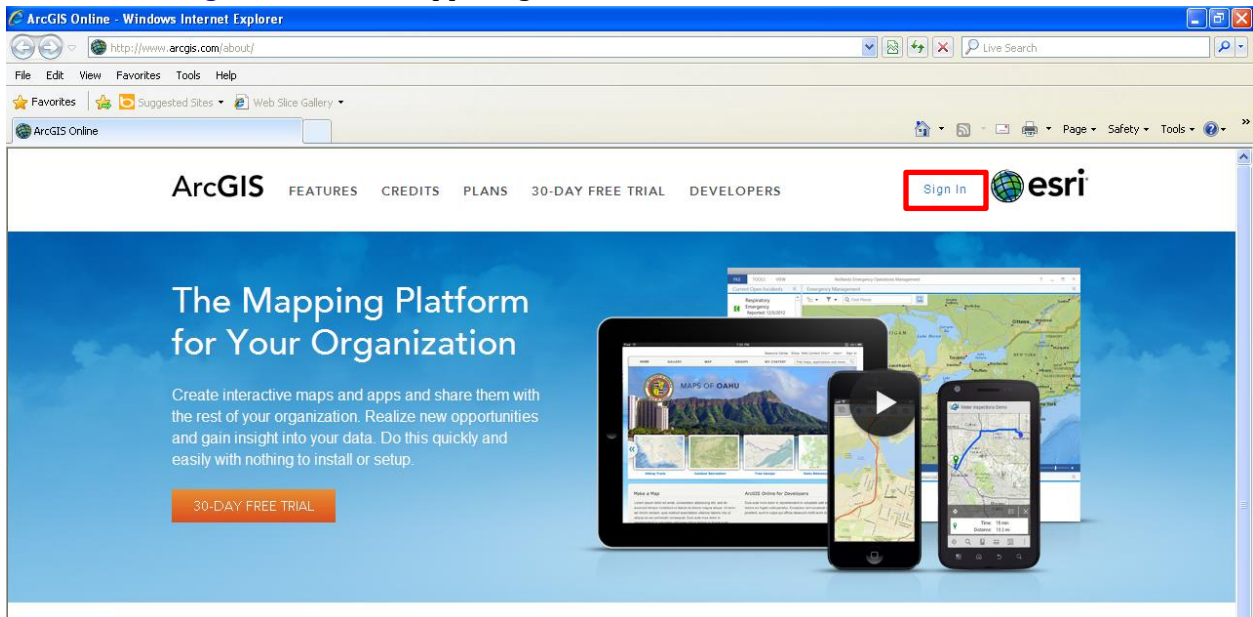
A) Log in with your personal OR organization's ArcGIS online (AGOL) account

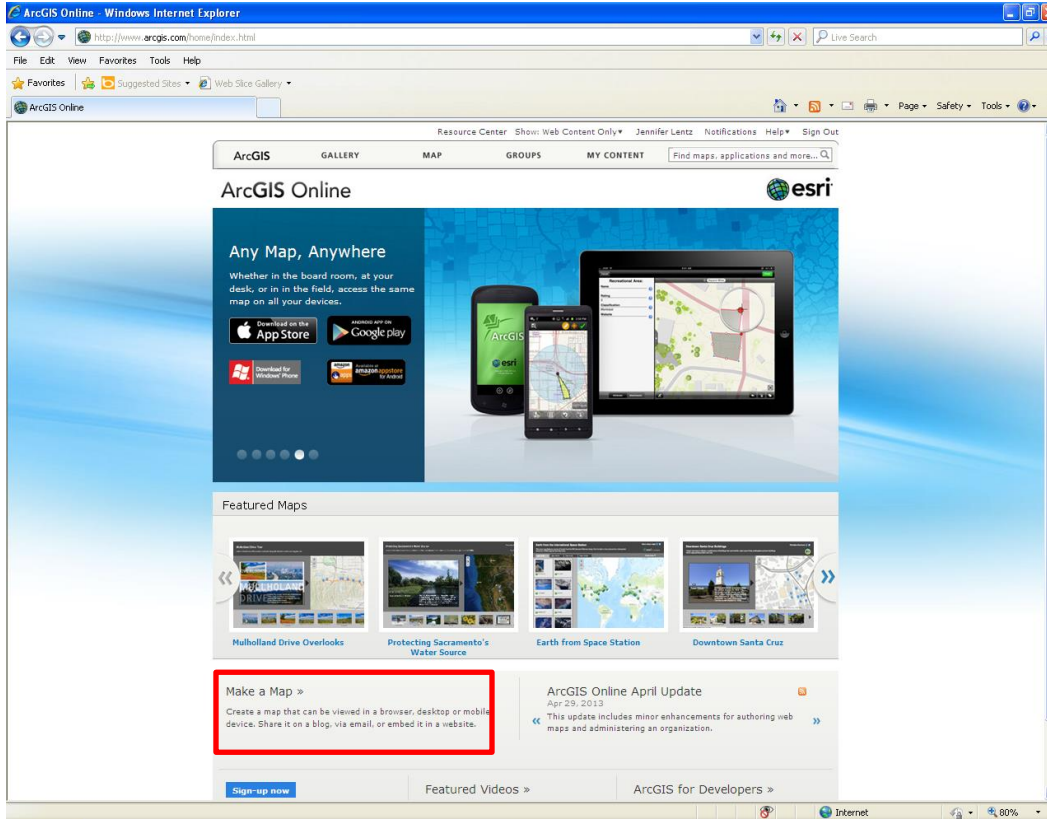> *For example here I have logged in with my personal AGOL account log-in*
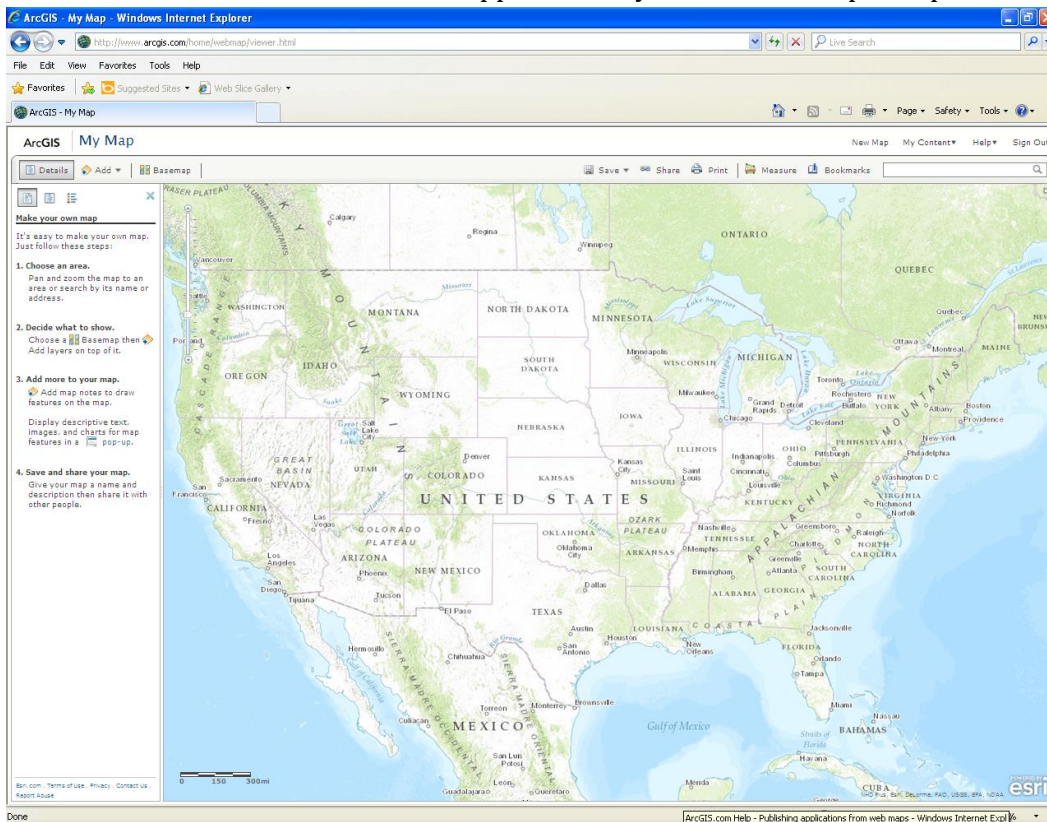
or

B) register for a free 30 day trial

2) Scroll down to where it says "Make a Map"

A window like the one below should appear when you click the "Map a Map" link

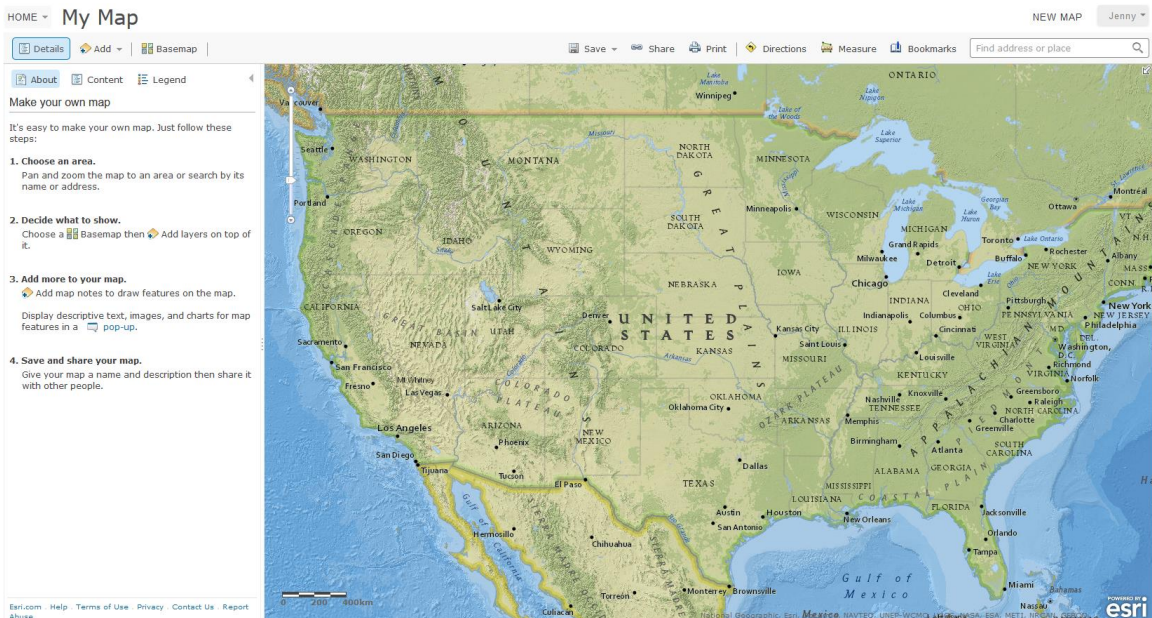3) **Select a base map for your map** (don't worry you can play around with this latter)
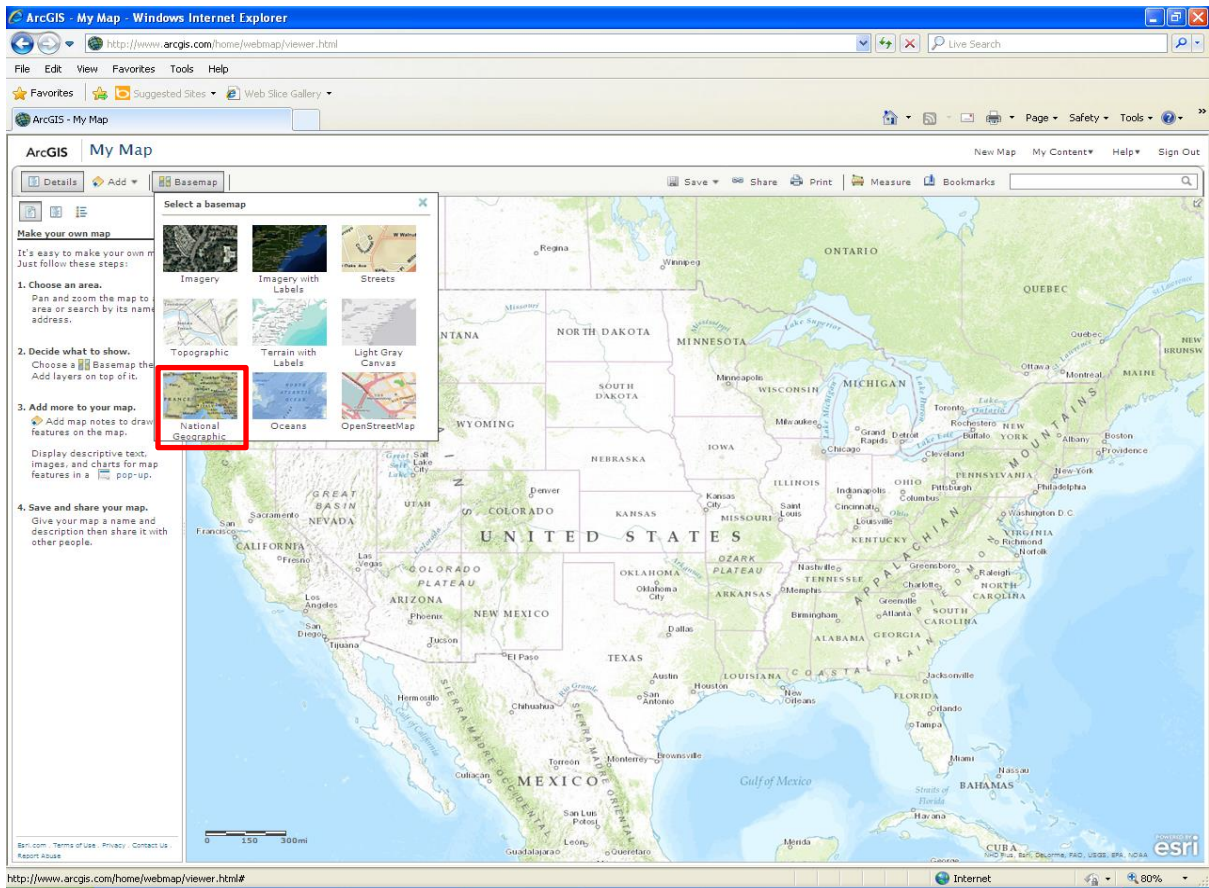
- For this example I have selected the "**National Geographic**" base map shown below

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4) Now it's time to make an excel spreadsheet with your data locations

- Create a spreadsheet with the at least the following columns :

  ID   *this is a number that will be used to refer to this location*

  Name   *this refers to the name of your site location*

  Address   *Street address, City, State, Zipcode*

  OR

  Latitude   *this is the geographic location of your site in decimal degrees (NOT*

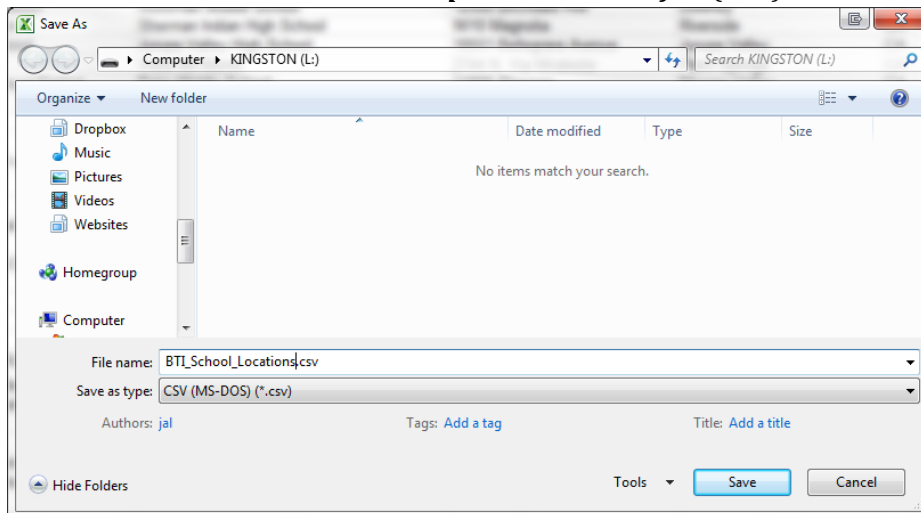 **Longitude**   *(NOT degrees minutes seconds, UTM, etc)if you don't know the Lat/Long of your location see the following directions*
  http://jenniferalentz.info/Teaching/Tutorials/FindLatLong.pdf

- Here we will use a spreadsheet that I have already created for this specific project
  - Open the "**AOW_data.xls**" spreadsheet
  - Scroll through the columns to see what types of data I used to populate this dataset

- Now save the dataset as a ***comma space delineated file*** (CSV)

5) Now go back to your Web Map and import this newly created dataset

- Click the "**Add**" button and scroll down to "**Add Layer from File**"
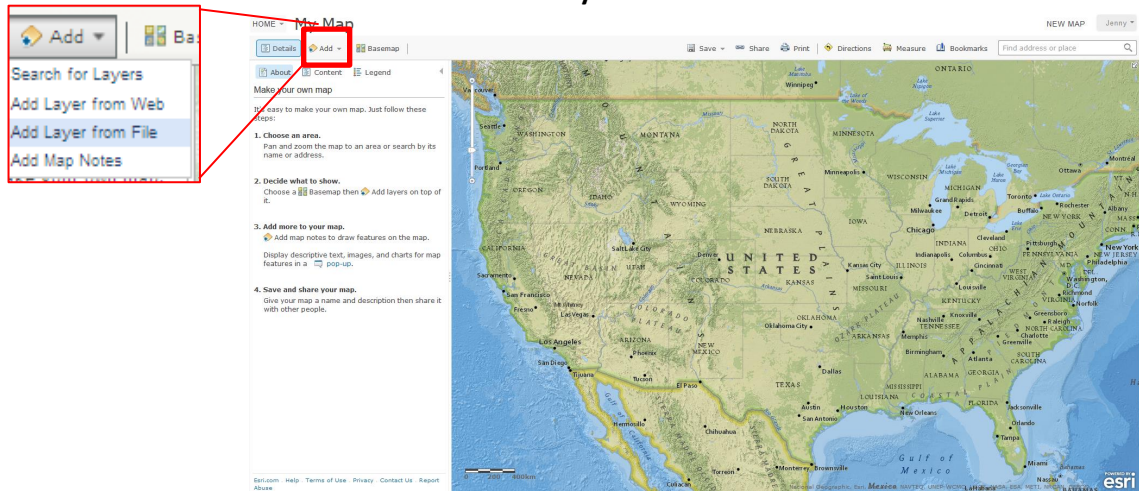
- Navigate to the CSV file you just saved by clicking the "**Browse**" button
  - Then click "**Import Layer**"
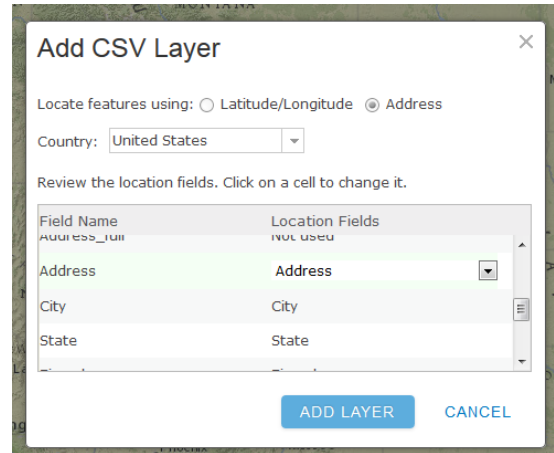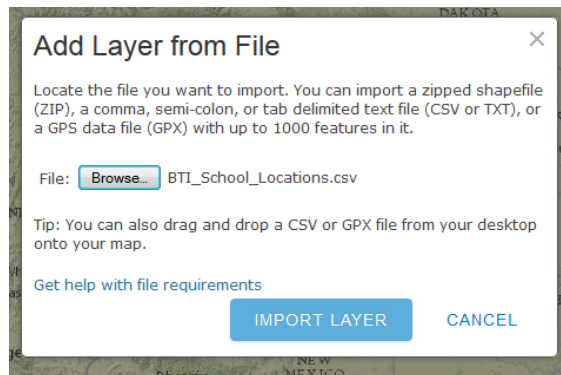
- a Map should appear with all your locations (see red dots)
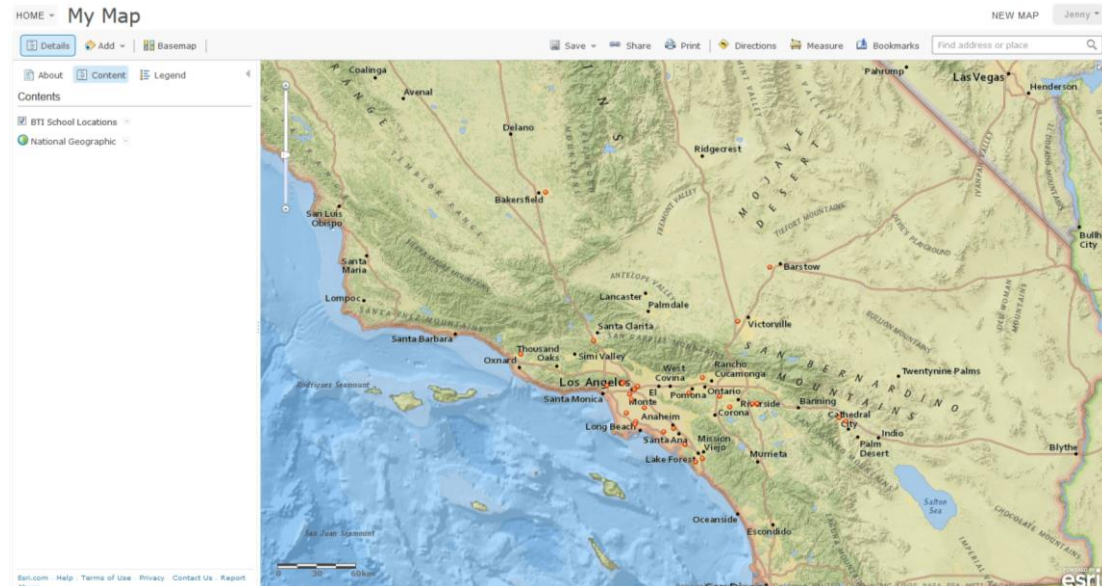
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6) Configuring Pop-ups

- If you click on a school location, the default pop-up should look like this
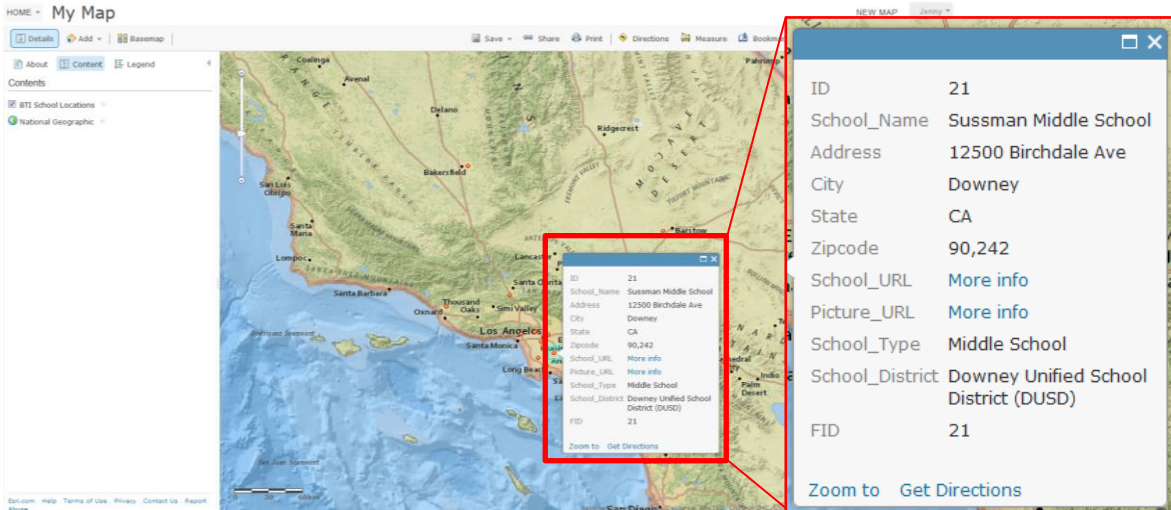
- Click on the arrow beside the "**BTI School Locations**" layer & scroll down to "**Configure Popup**"
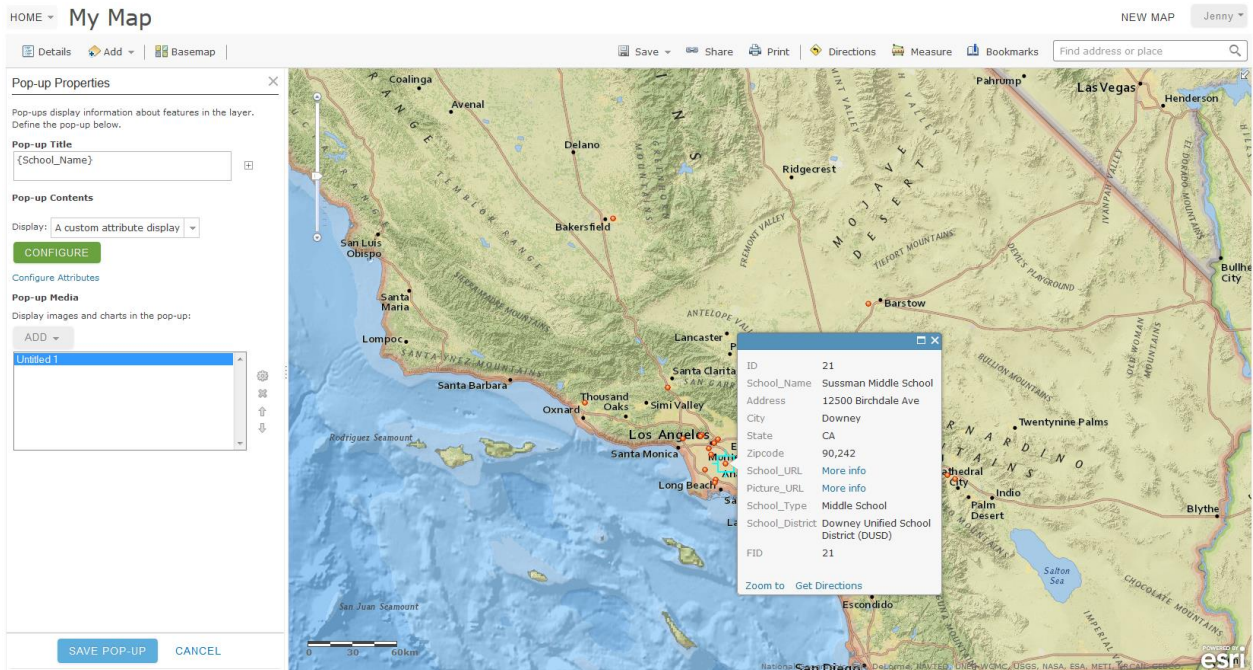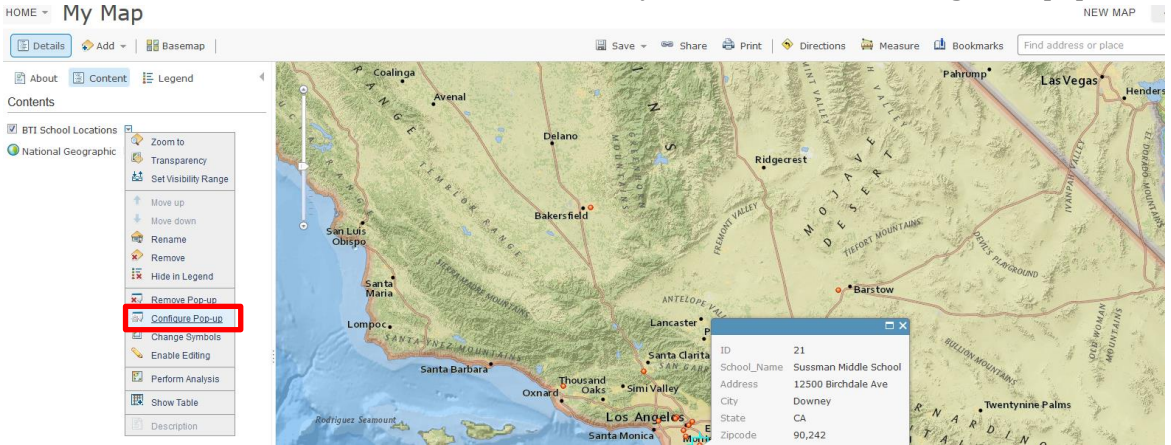
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In the "**Pop-up Properties**" Window...

- **Pop-up title:** Click the + and select "**School_Name** {**School_Name**}"

- Under **Pop-up Contents** Display select "**A custom attribute display**"
  then click the "**Configure**" button
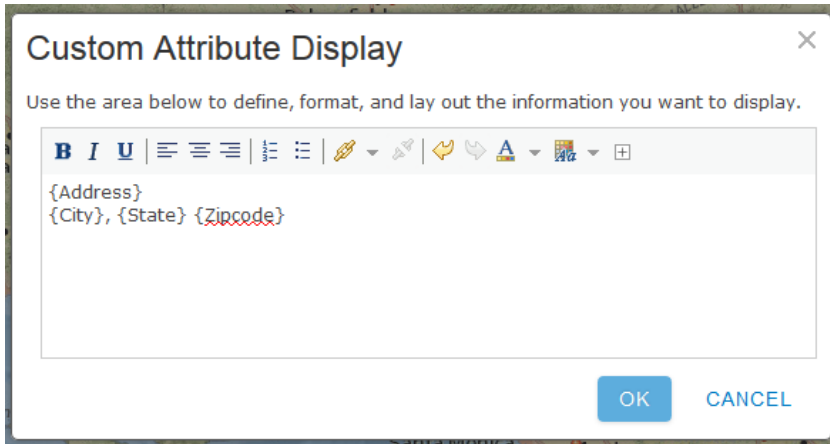
- Under **Pop-up Media**, Click the "**Add**" & select "**Image**"
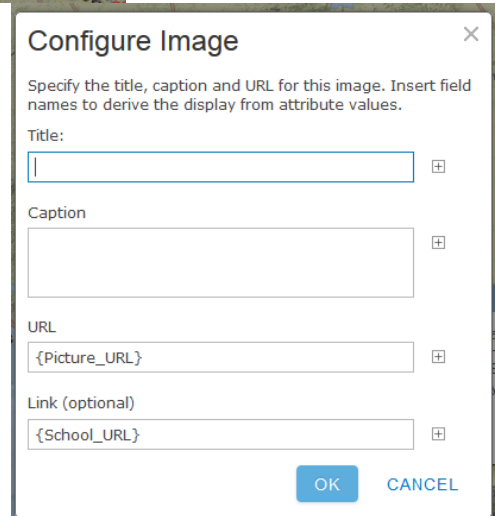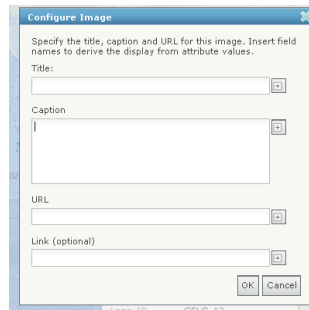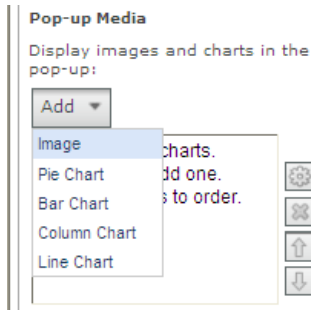
- Then click the "**Save Pop-up**" button
- Now if you click on a location you should see a Pop-up with information about this event
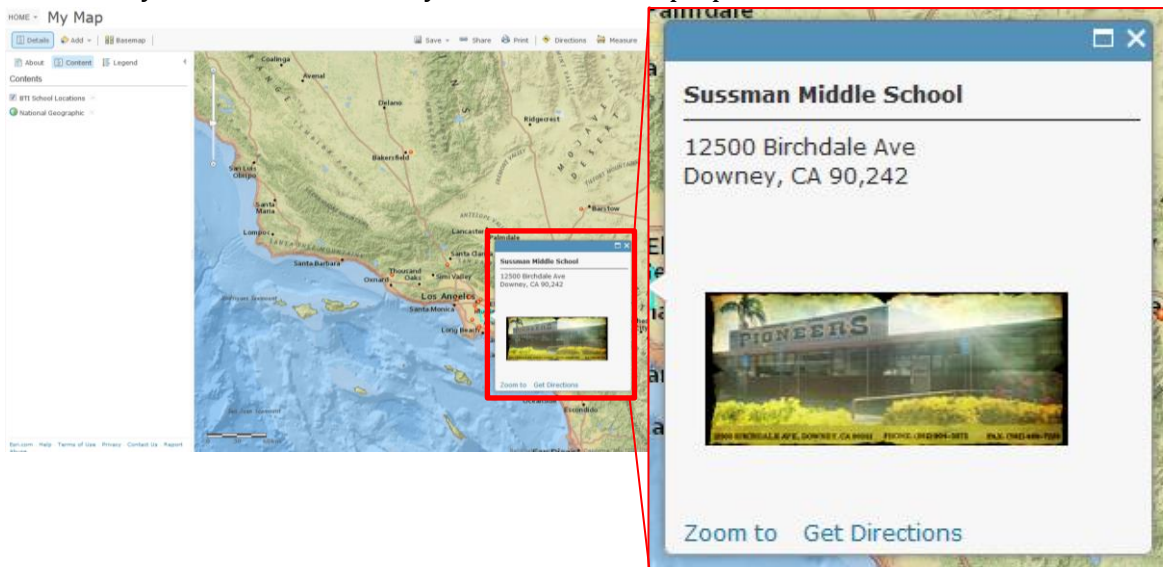
7) Change the symbol

- Click on the arrow beside the "**BTI School Locations**" layer & scroll down to "**Change Symbols**"
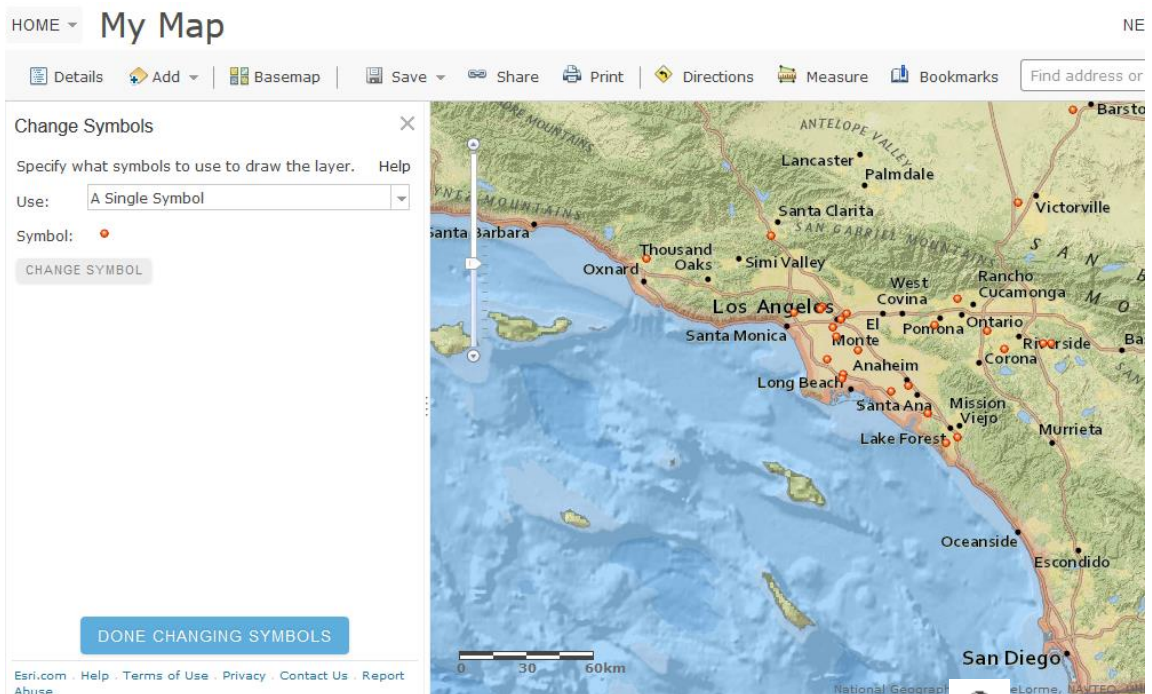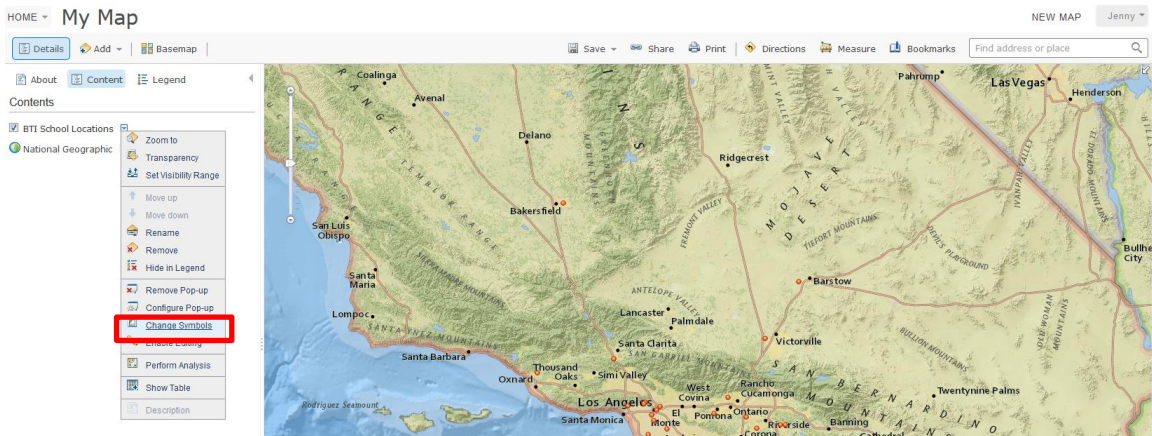
- Click the "**Change Symbol**" button, scroll to "**People Places**" and select the 🏫 icon
- Adjust the symbol size to 20 px, and click "**Done**"
- Click "**Done Changing Symbols**" button
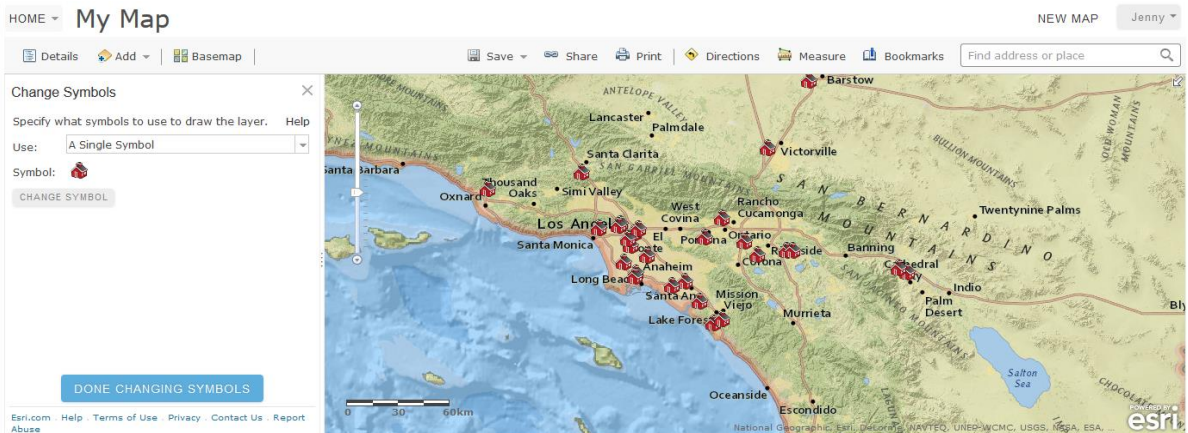
8) Just to be sure you won't loose the work you've done so far, lets Save this map

- At the top of the screen click "**Save**"
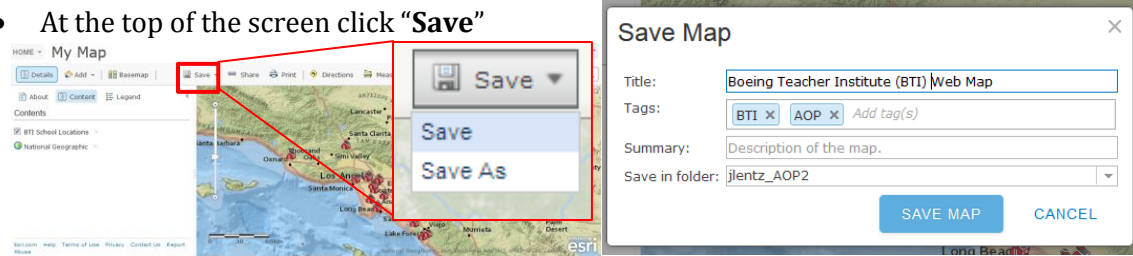
9) Adding an existing ESRI template to this webmap

- Click the "**Share**" button at the top of the Screen
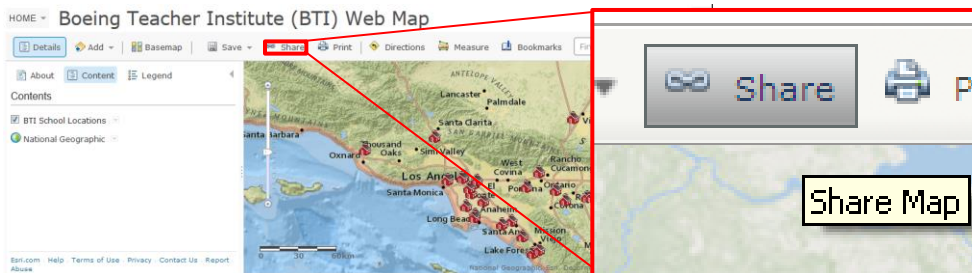
  - Select the option for **Everyone (Public)** to be able to view the map
    (if this isn't selected the "**Embed this Map**" options won't be selectable
  - Select the "**Make a Web Application**" button
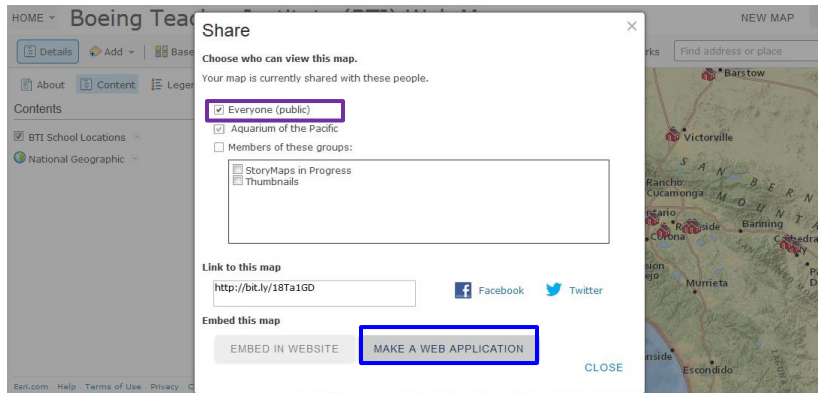
- Scroll through the list of available templates & see which one appears to be the best match
  - There is a **basic description** above each template (ie. "Basic Viewer" "Chrome-Twitter" etc.)
  - If you hold your mouse over a template's picture a **Pop-up** will appear with **additional info**
- If you click the down arrow (▼) beside the "**Publish**" link you can select to "**Preview**" how this template will map your existing webmap appear
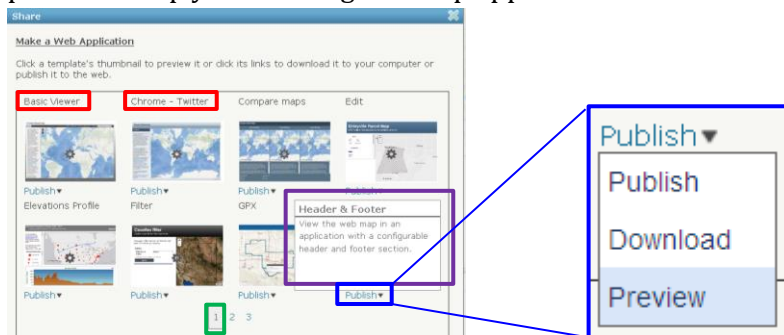
- For this example, the template we are most interested is on the **1ˢᵗ page**

10) Here we're going to Select the "Basic Viewer" template

- Click on the "Publish" link below the "Basic Viewer" template & select "**Publish**"

  - Enter a Title for this map: "Boeing Teacher Institute (BTI) Story Map"

  - Type some tags: "BTI, AOP"

  - Write a brief summary about the story map

- Click "**Save and Publish**"
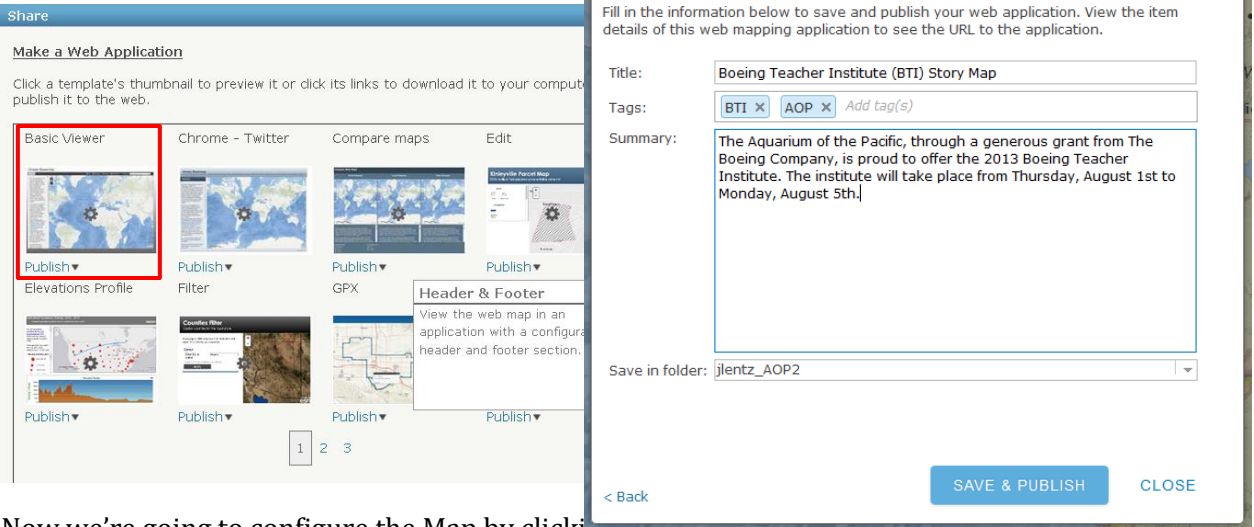
- Now we're going to configure the Map by clicking the link that says "go to the item now"
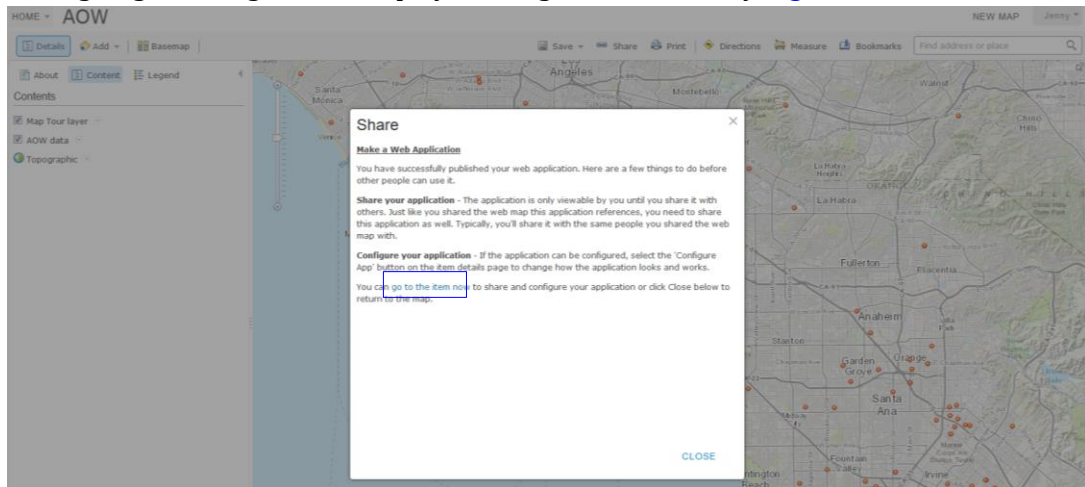
  - The following "Details" page should appear

11) Configuring the App

- Click the "**Edit**" button

- Click the "**Click the Thumbnail to change image**" link
- Navigate to the image, click "**OK**," then click "**Save**"

- The details page should now look like this:

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- Now Click on the Thumbnail to open your Story Map, which should look like this:

All of the Aquarium's Story Maps can be found at: http://aop.maps.arcgis.com/

A digital copy of <u>these</u> instructions is available online at:
http://JenniferALentz.info/Teaching/Tutorials/Tutorial_CreatingStoryMapsOnline_2013.pdf

The above Story Map is just an example of what you can do.

Examples of Other Story Maps can be found at:

http://storymaps.esri.com

http://www.arcgis.com/home/
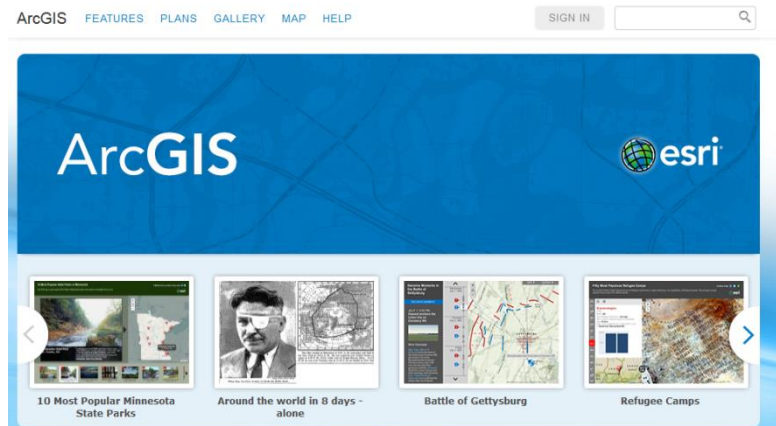
Online Tutorials & Training Modules

- **Teaching with GIS: Introduction to Using GIS in the Classroom**
  (http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&courseid=2198)

- **"Mapping with ArcGIS Online" Tutorial & "ArcGIS Online: Using Subscription Accounts with Statewide/District wide Licenses for K-12 Schools"**(http://esriurl.com/mappingwithago)

- **ArcGIS info for Maryland K-12 Public Schools**
  (http://www.washcoll.edu/centers/ces/gis/esri-k-12-software.php)

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Links to <u>Free</u> K-12 GIS Lesson Plans

➢ **For <u>Geography</u> Teachers**

- **Geography Lesson Plans & Worksheets** by Lesson Planet   http://www.lessonplanet.com/lesson-plans/geography

- **GIS day — Activities for different Age Groups**   http://www.gisday.com/activities.html

- "**Why Geography Education Matters**" – *High School*
  http://edcommunity.esri.com/software-and-data/Lessons/W/Why_Geography_Education_Matter

- "**Geocaching: Geography Meets Environmental Ed**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/G/Geocaching_Geography_Meets_E

➢ **For <u>History</u> Teachers**

- "**A New Look at Lewis & Clark with Online GIS**" **– *High School***
  http://edcommunity.esri.com/software-and-data/Lessons/A/A_New_Look_at_Lewis_Clark_wi

- "**Lewis and Clark Elevation Lesson**" **–** *High School*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Lewis_and_Clark_Elevation_Less

- "**Underground Railroad Lesson Plan**" – *3-5 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/U/Underground_Railroad_Lesson_Pl

- "**War of 1812** (Web lesson)" – Middle School
  http://edcommunity.esri.com/software-and-data/Lessons/W/War_of_1812_Web_lesson_

➢ **For <u>Earth Science</u> Teachers**

- "**Coral Reefs**" **– *K-12***   http://edcommunity.esri.com/software-and-data/Lessons/C/Coral_Reefs

- "**Examining World Temperature Extremes**" – ***High School***
  http://edcommunity.esri.com/software-and-data/Lessons/E/Examining_World_Temperature_Ex

- "**Geocaching:Geography Meets Environmental Ed**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/G/Geocaching_Geography_Meets_E

- "**Investigating Historical and 1 Modern Tornado**" – ***High School***
  http://edcommunity.esri.com/software-and-data/Lessons/I/Investigating_Historical_and_1

- "**Investigating Temperature Extremes in the USA** " – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/I/Investigating_Temperature_Extr

- "**Learning about <u>Dams-Reservoirs</u> Using ArcGIS Online**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Dams_Reservoirs

- "**Learning about <u>Flood Zones</u> Using ArcGIS Online**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Flood_Zones_Usi

- "**Learning About <u>Local Water Quality</u> w/ArcGIS Online**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_About_Local_Water_Qua

- "**Learning about <u>Oceans</u> Using ArcGIS Online** " – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Oceans_Using_Ar

- "**Learning about <u>Rivers</u> Using ArcGIS Online**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Rivers_Using_Ar

- "**Learning about <u>Watersheds</u> Using ArcGIS Online**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Watersheds_Usin

- "**Learning About <u>Weather & Streamflow</u>: ArcGIS Online** " – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_About_Weather_Strea

- "**Learning about <u>Wetlands</u> Using ArcGIS Online**" – *5-12 grades*
  http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Wetlands_Using

- "**USGS Education Resources**" **– K-12**   http://education.usgs.gov/

- "**World Temperature Extreme Analysis** " – ***High School***
  http://edcommunity.esri.com/software-and-data/Lessons/W/World_Temperature_Extreme_Anal