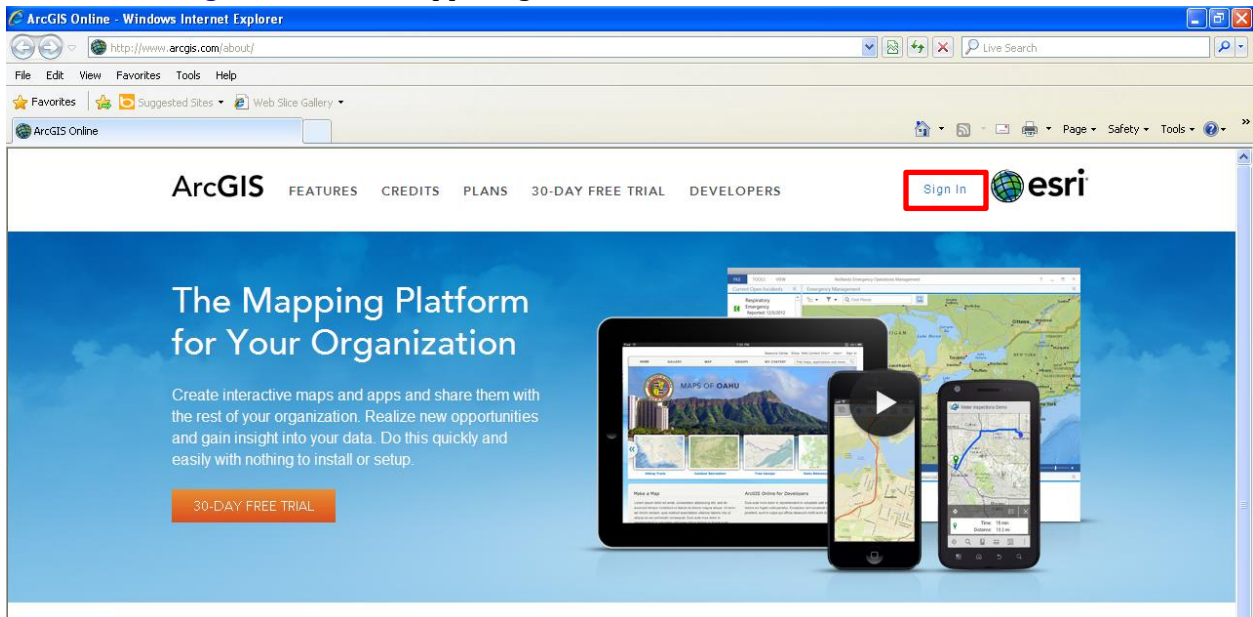


How to make an ESRI Storytelling Interactive webmap

- 1) Go to the following website: <http://www.arcgis.com/> and click the "Sign in" link in the upper right hand corner

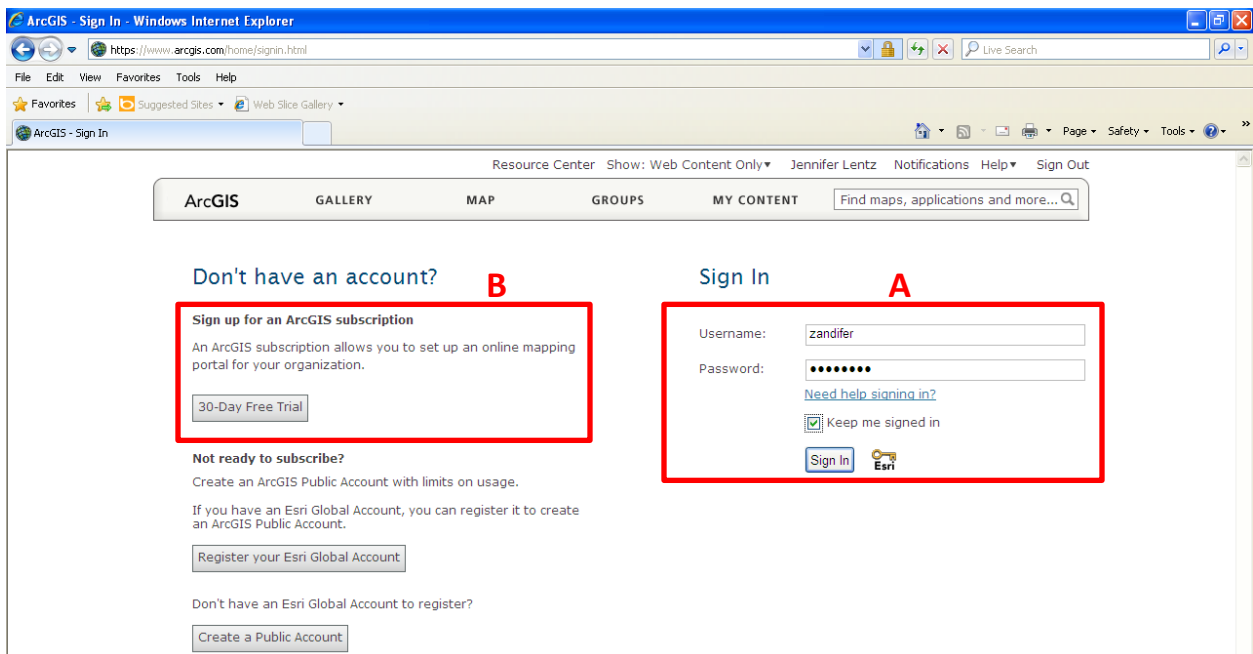


- A) Log in with your personal OR organization's ArcGIS online (AGOL) account

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

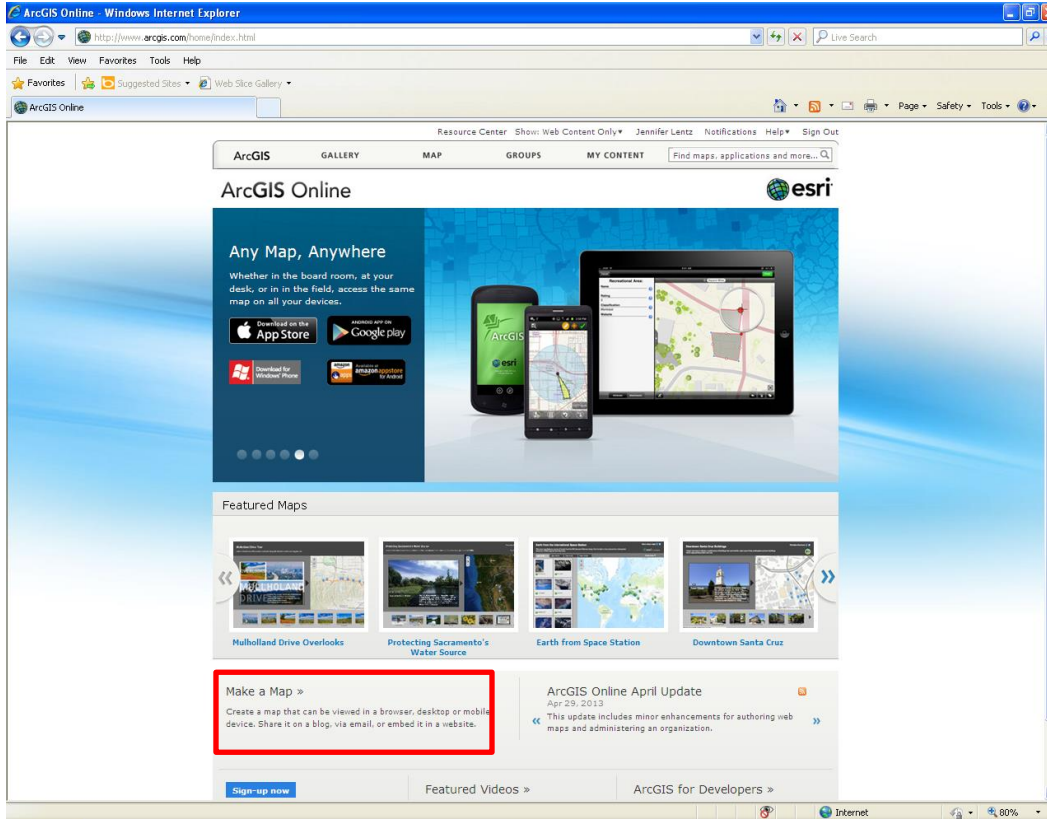
or

- B) register for a free 30 day trial

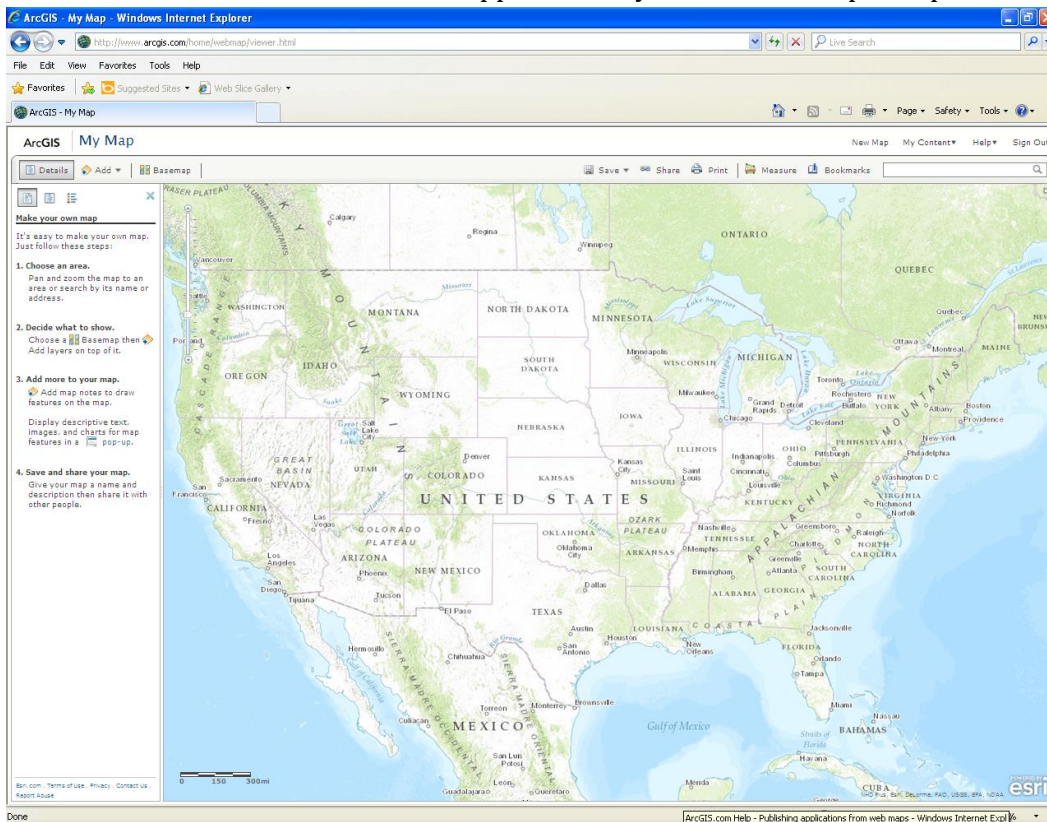


How to make an ESRI Storytelling Interactive webmap

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

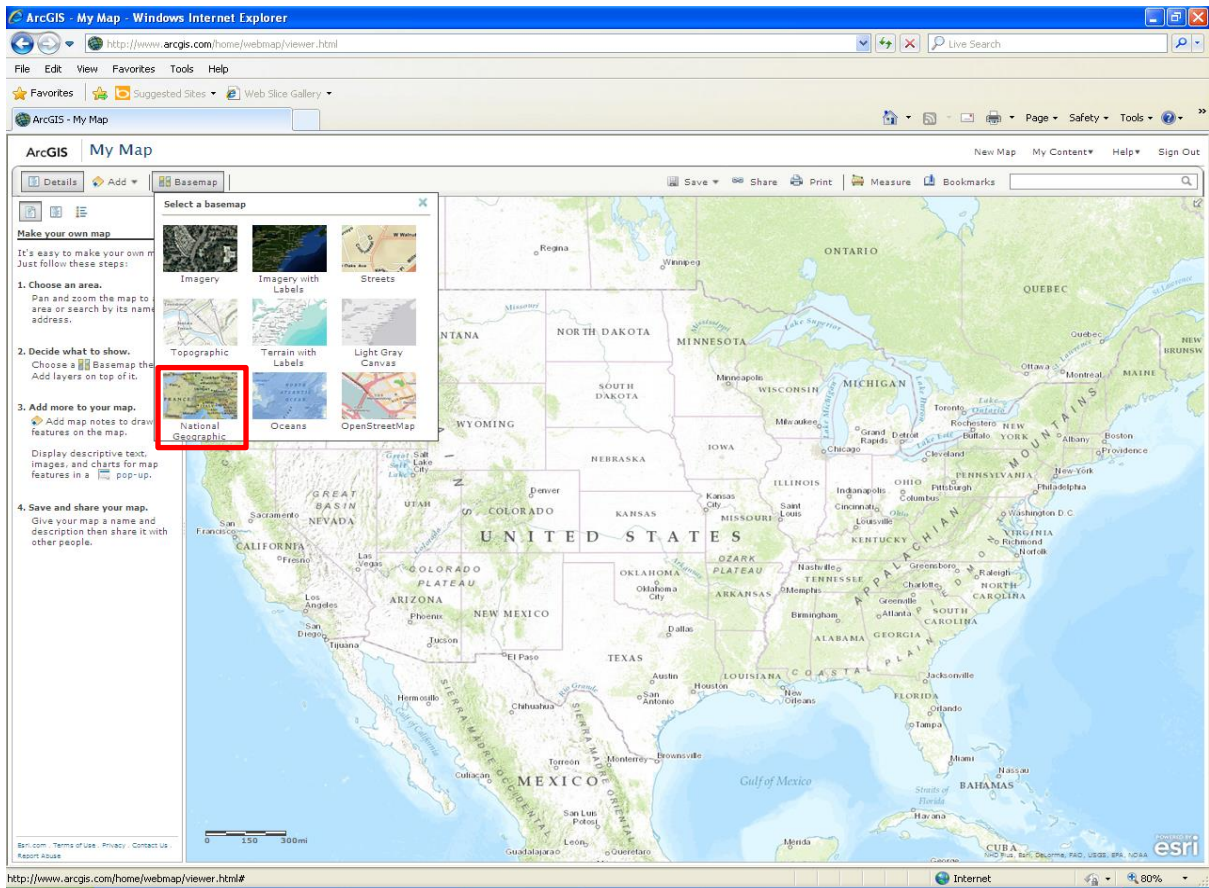


A window like the one below should appear when you click the "Map a Map" link

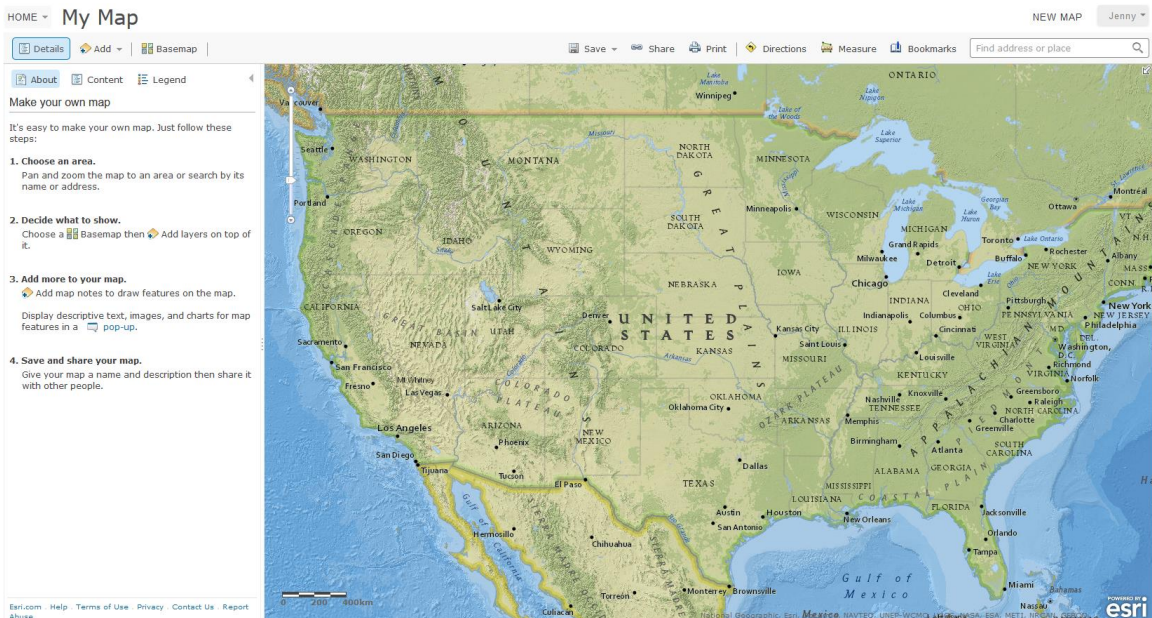


How to make an ESRI Storytelling Interactive webmap

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



How to make an ESRI Storytelling Interactive webmap

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*

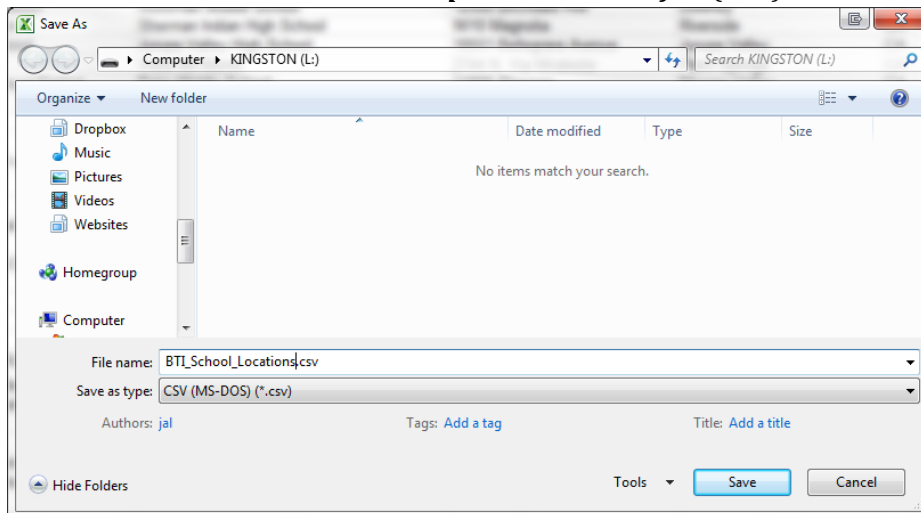
Lat/Long of your location see the following directions

<http://jenniferlantz.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

ID	School Name	Address	City	State	Zipcode	School URL	Picture URL	School Type	School District
1	Helen Bernstein High School	1309 N. Wilton Place	Hollywood	CA	90028	http://hbdragons.com/	http://hbdragons.ca	High School	Hollywood CA
2	Community Roots Academy	23431 Knollwood P-31	Aliso Viejo	CA	92656	http://www.communityroa.com/	http://images.onest	K-8	Capistrano Unified School District
3	Diamond Ranch High School	100 Diamond Ranch Rd	Pomona	CA	91767	http://www.pusd.org/edu	http://www.pusd.org	High School	Pomona Unified School District
4	Dolores Mission School	170 South Glass St	Los Angeles	CA	90033	http://www.doloresmissi	http://71.bp.blogspot	Elementary School	Los Angeles Unified School District (LAUSD)
5	Honey Hollow Elementary School	11765 Honey Hollow Dr	Moreno Valley	CA	92557	http://www.honeyhollow	https://encrypted-t	Elementary School	Moreno Valley Unified School District
6	Horace Mann Elementary	2710 Niles St	Bakersfield	CA	93306	http://horacemann.bcisd	http://static.bcisd.c	Elementary School	Bakersfield City School District
7	James Workman Middle School (JWMS)	69-300 30th Ave	Cathedral City	CA	92234	http://www.thecrag.net/	http://www.pusd.u	Middle School	Palm Springs Unified School District
8	Jurupa Valley High School	10551 Bellegrave Avenue	Mira Loma	CA	91752	http://www.jurupavallej	http://www.jusd.k12	High School	Jurupa Unified School District
9	Lampson Elementary	13321 Lampson Ave	Garden Grove	CA	92840	http://www.orangusd.k	http://www.orangeu	Elementary School	Orange Unified School District
10	Larchmont Charter School (LCS)	815 N. El Centro Ave	Los Angeles	CA	90038	http://www.larchmontch	http://www.larchmo	K-12	Independent Charter in LAUSD #4 area
11	Lenwood Elementary	34374 Ash Rd	Barstow	CA	92311	http://www.barstow.k12	http://www.barstow	Elementary School	Barstow Unified School District (BUSD)
12	Meadow Park Elementary School	50 Blue Lake South	Invine	CA	92614	http://www.usd.org/mp	http://www.usd.org	Elementary School	Invine Unified School District
13	Miramonte Elementary School	1400 East 68th Street	Los Angeles	CA	90001	http://miramontees-laus	http://politic.365.co	Elementary School	Los Angeles Unified School District (LAUSD)
14	Palm Middle School	11900 Slawson Ave	Moreno Valley	CA	92567	http://www.palmms.org	http://www.flickr.co	Middle School	Moreno Valley USD
15	Pepper Tree Elementary	1045 W. 18th St	Upland	CA	91784	http://pte-usud-ca.scho	http://pte-usud-ca.s	Elementary School	Upland Unified School District
16	Rancho Dominguez Preparatory School	4110 Santa Fe Ave	Long Beach	CA	90810	http://rdps-lauid-ca.scb	https://encrypted-t	High School	Los Angeles Unified School District (LAUSD)
17	Sherman Indian High School	9010 Magnolia	Riverside	CA	92503	http://www.sih.sba.edu	https://upload.wik	High School	Bureau of Indian Education
18	Silverado High School	14048 Cobalt Road	Victorville	CA	92395	http://www.vhsd.org/vs	http://farm2.static.8	High School	Victor Valley Union High School District
19	St. Anthony of Padua Catholic School	1003 W. 163rd Street	Los Angeles	CA	90247	http://stanthonygardena	http://stanthonygar	K-8	Archdiocese of Los Angeles School District
20	Stephens Middle School	1830 W. Columbia Street	Long Beach	CA	90810	http://lstephens.school	http://lstephens.sr	Middle School	Long Beach Unified School District
21	Sussman Middle School	12500 Birchdale Ave	Downey	CA	90242	http://www.dusd.net/sus	http://www.dusd.net	Middle School	Downey Unified School District (DUSD)
22	Synergy Charter Academy	900 E 33rd Street	Los Angeles	CA	90011	http://www.wearssynerg	http://www.synerg	Elementary School	Los Angeles Unified School District (LAUSD)
23	Theodore Roosevelt High School, Academy of E	3921 Selig Place	Los Angeles	CA	90033	http://www.roosevellaus	http://roosevellaus	High School	Los Angeles Unified School District (LAUSD)
24	UCLA Lab School	330 Charles E. Young Drive North	Los Angeles	CA	90095	http://www.labschool.uc	http://www.3ucla.c	K-12	Los Angeles Unified School District (LAUSD)
25	Ventura Technology Academy at Satcoy	760 Jazmin Avenue	Ventura	CA	93004	http://www.venturausd	http://www.ventura	Elementary School	Ventura Unified School District
26	Viejo Elementary	26782 Via Grande	Mission Viejo	CA	92691	http://vies.capousd.ca	http://vies.capousd	Elementary School	Capistrano Unified School District
27	Vista del Monte Elementary School	2744 N. Via Miraleste	Palm Springs	CA	92262	http://www.pausd.us/nd	http://www.pausd.u	Elementary School	Palm Springs Unified School District
28	Wiley Canyon Elementary School	24240 LaGronda Circle	Newhall	CA	91381	http://www.wileycanons	http://www.newhall	Elementary School	Newhall
29	Willis Warner Middle School	14171 Newland St	Westminster	CA	92683	http://www.warnerocks	http://www.warner	Middle School	Westminster School District

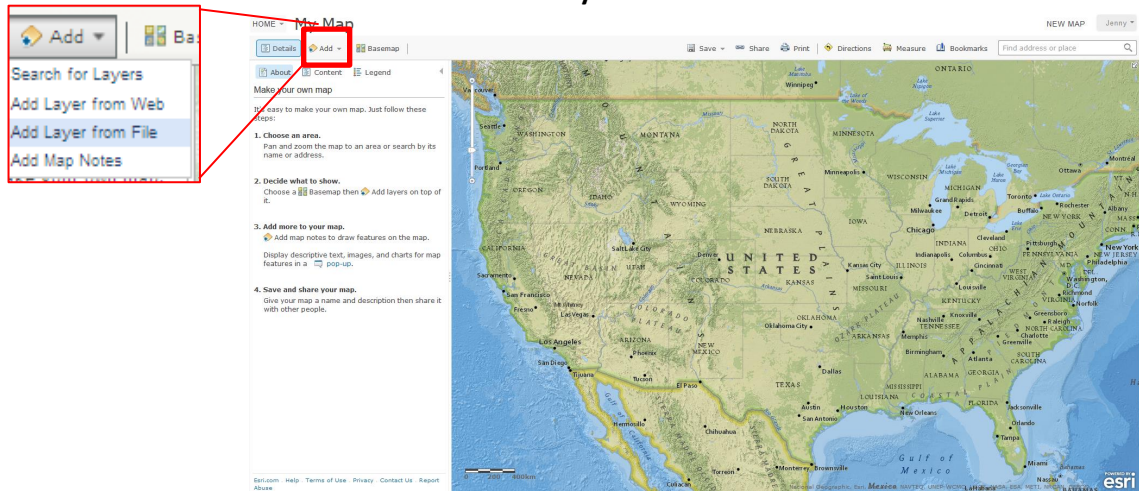
- Now save the dataset as a **comma space delimited file (CSV)**



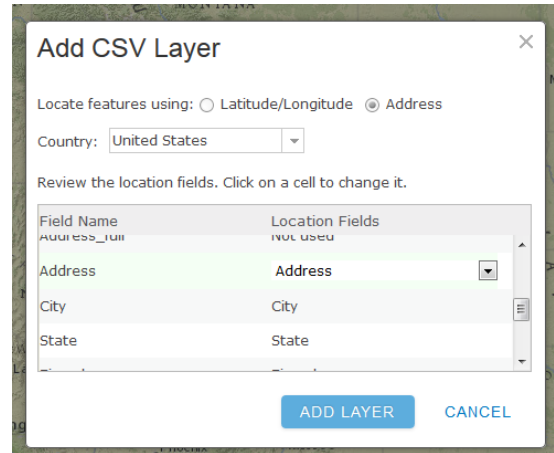
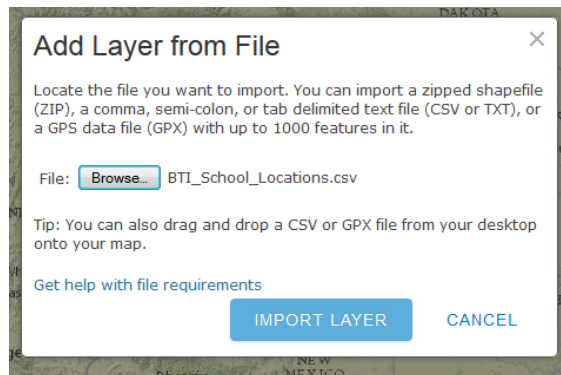
How to make an ESRI Storytelling Interactive webmap

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

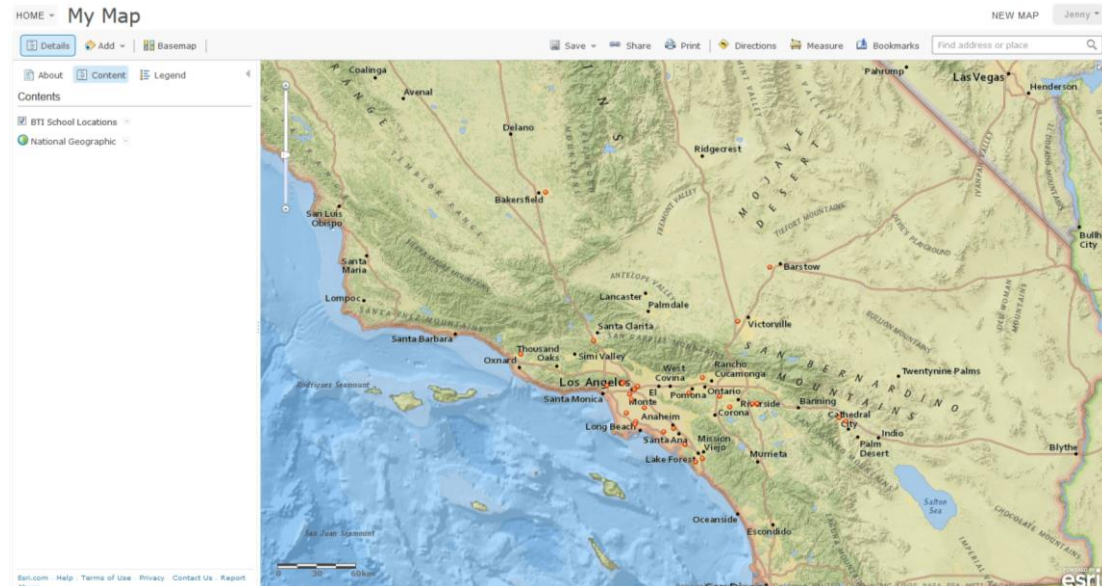
- Click the **“Add”** button and scroll down to **“Add Layer from File”**



- Navigate to the CSV file you just saved by clicking the **“Browse”** button
- Then click **“Import Layer”**



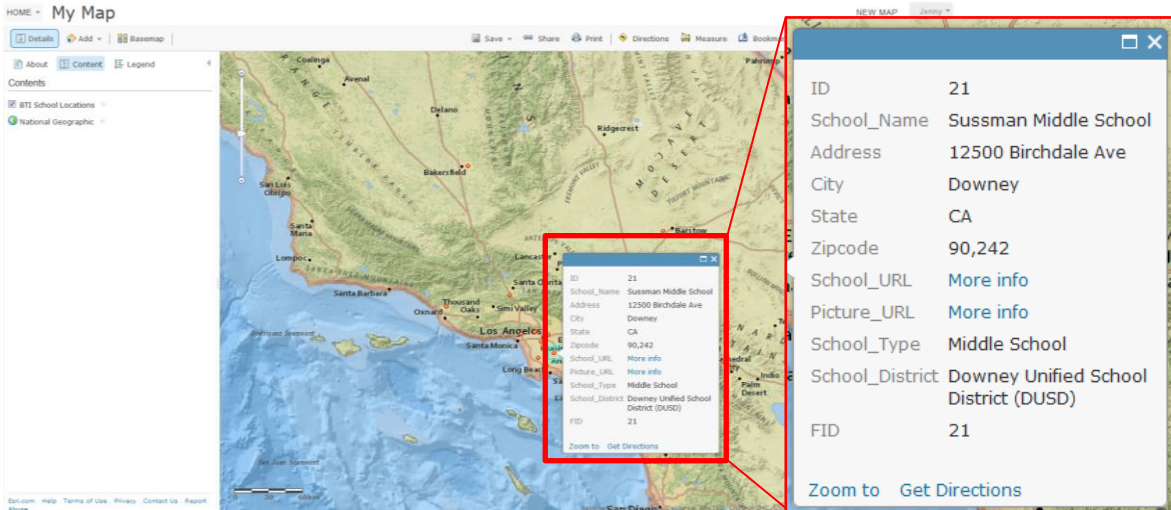
- a Map should appear with all your locations (see red dots)



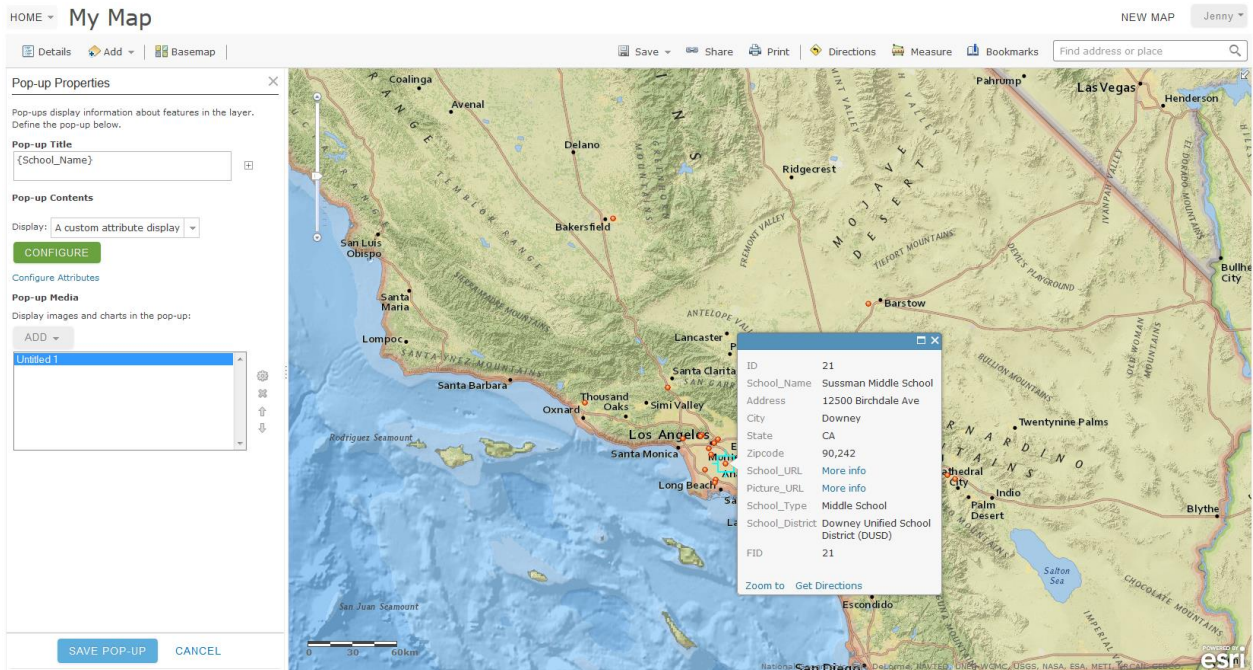
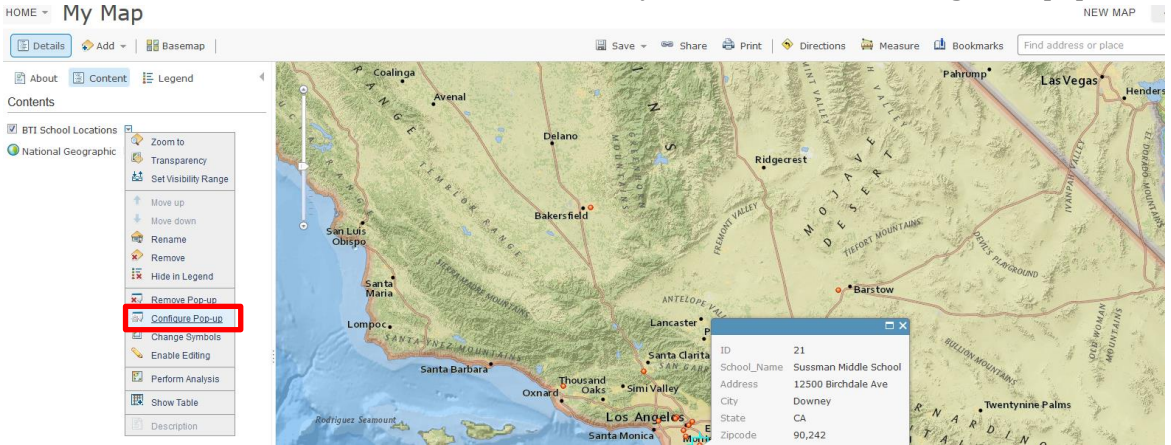
How to make an ESRI Storytelling Interactive webmap

6) Configuring Pop-ups

- If you click on a school location, the default pop-up should look like this



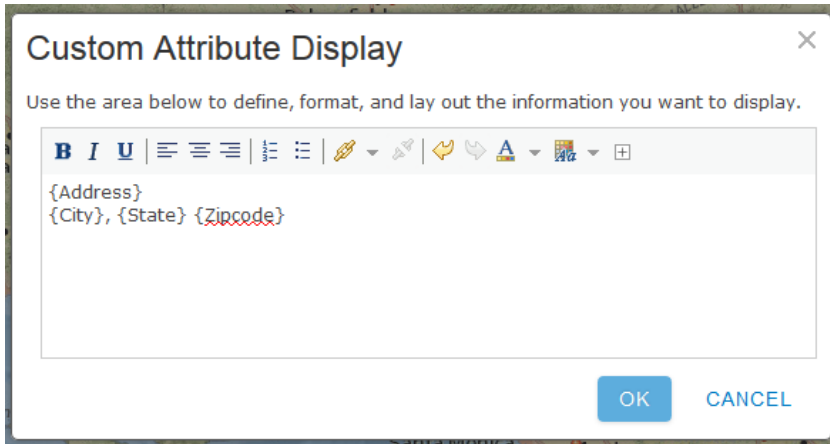
- Click on the arrow beside the "BTI School Locations" layer & scroll down to "Configure Pop-up"



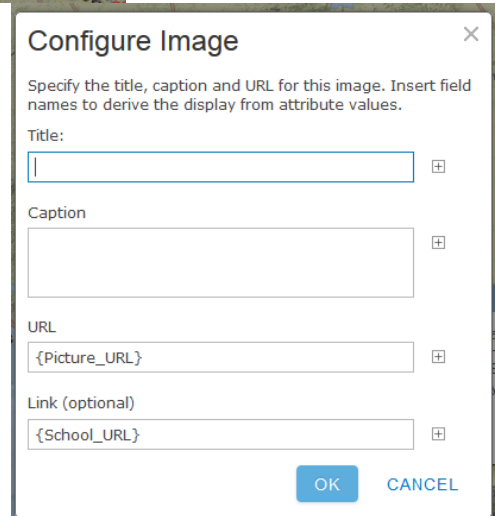
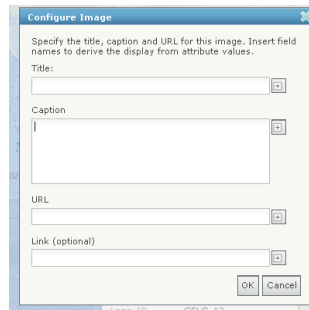
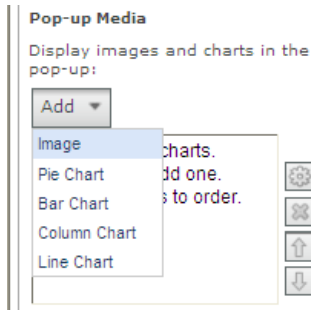
How to make an ESRI Storytelling Interactive webmap

In the “Pop-up Properties” Window...

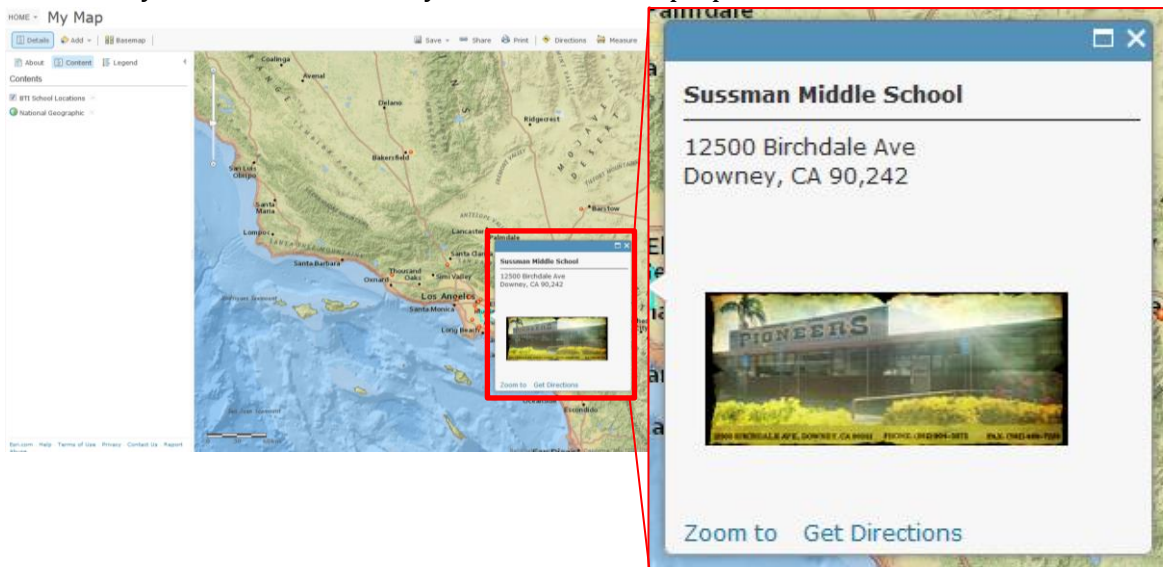
- **Pop-up title:** Click the + and select “School_Name {School_Name}”
- Under **Pop-up Contents Display** select “A custom attribute display” then click the “Configure” button



- Under **Pop-up Media**, Click the “Add” & select “Image”



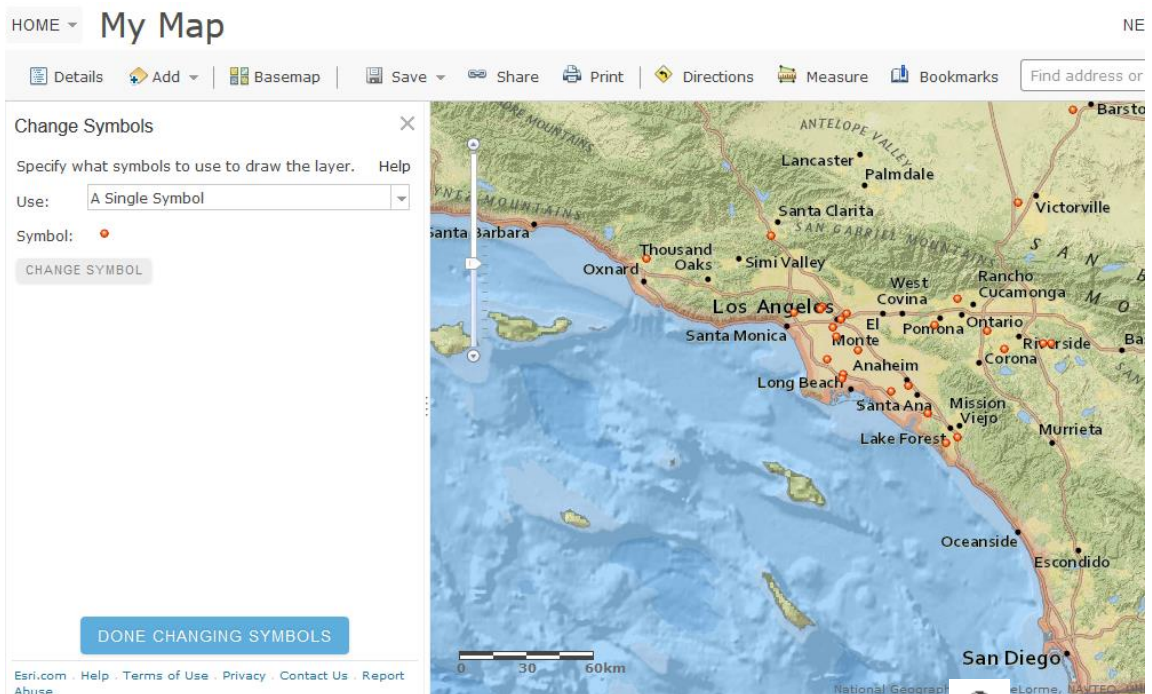
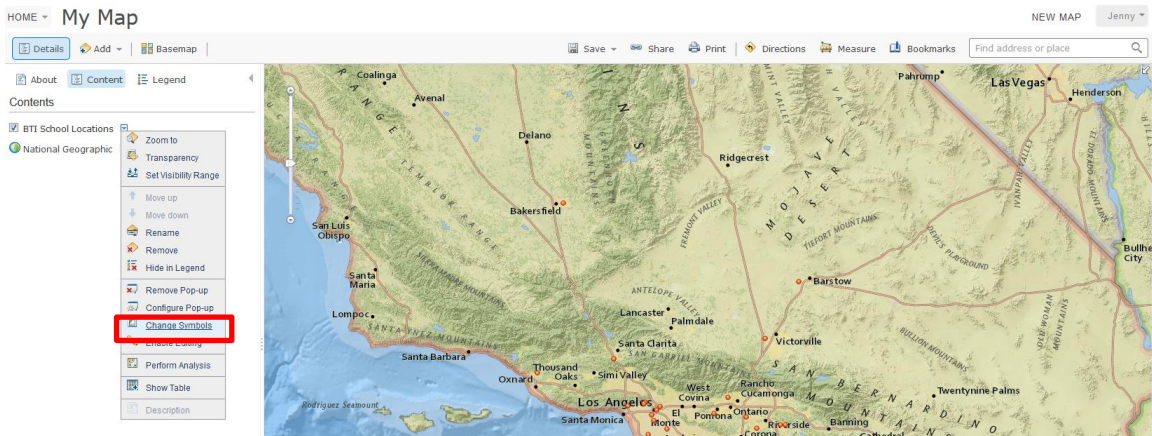
- Then click the “Save Pop-up” button
- Now if you click on a location you should see a Pop-up with information about this event




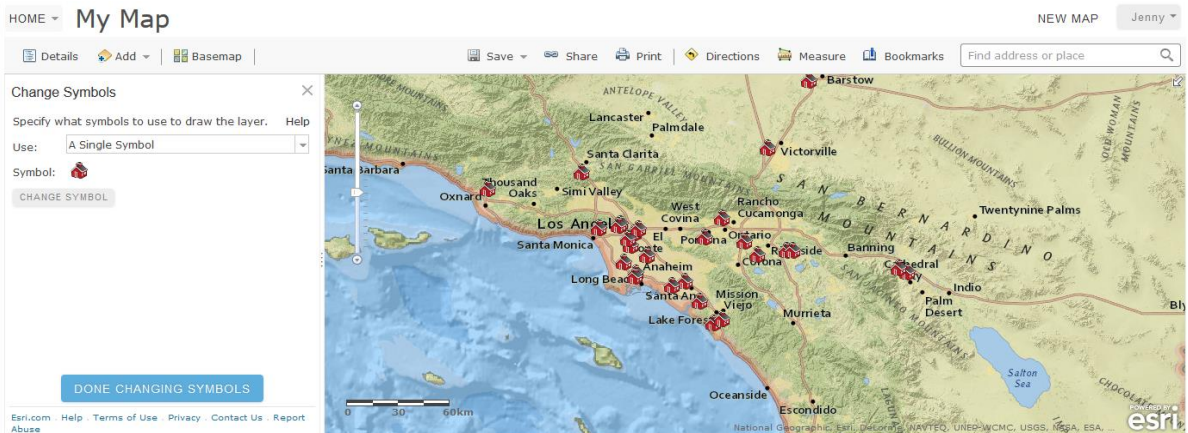
How to make an ESRI Storytelling Interactive webmap

7) Change the symbol

- Click on the arrow beside the “BTI School Locations” layer & scroll down to “Change Symbols”



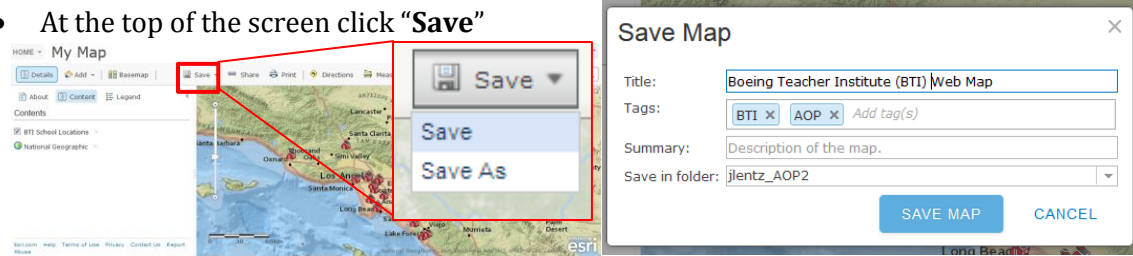
- Click the “Change Symbol” button, scroll to “People Places” and select the  icon
- Adjust the symbol size to 20 px, and click “Done”
- Click “Done Changing Symbols” button



How to make an ESRI Storytelling Interactive webmap

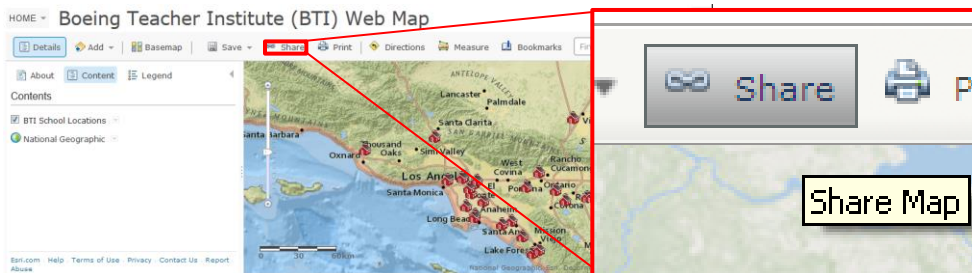
8) Just to be sure you won't lose the work you've done so far, let's Save this map

- At the top of the screen click "Save"

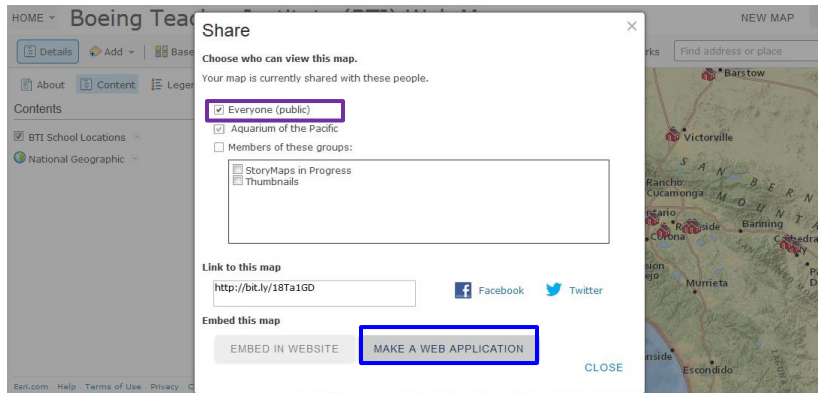


9) Adding an existing ESRI template to this webmap

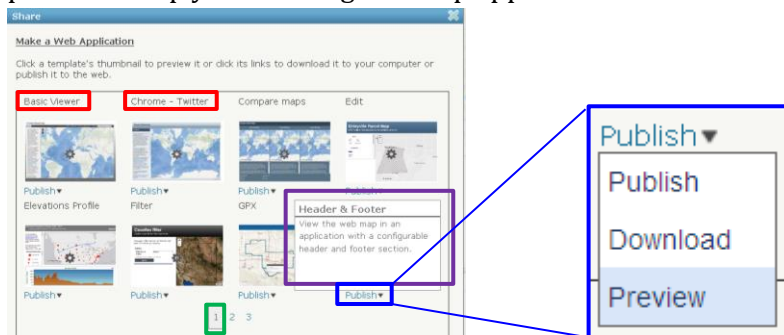
- Click the "Share" button at the top of the Screen



- 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

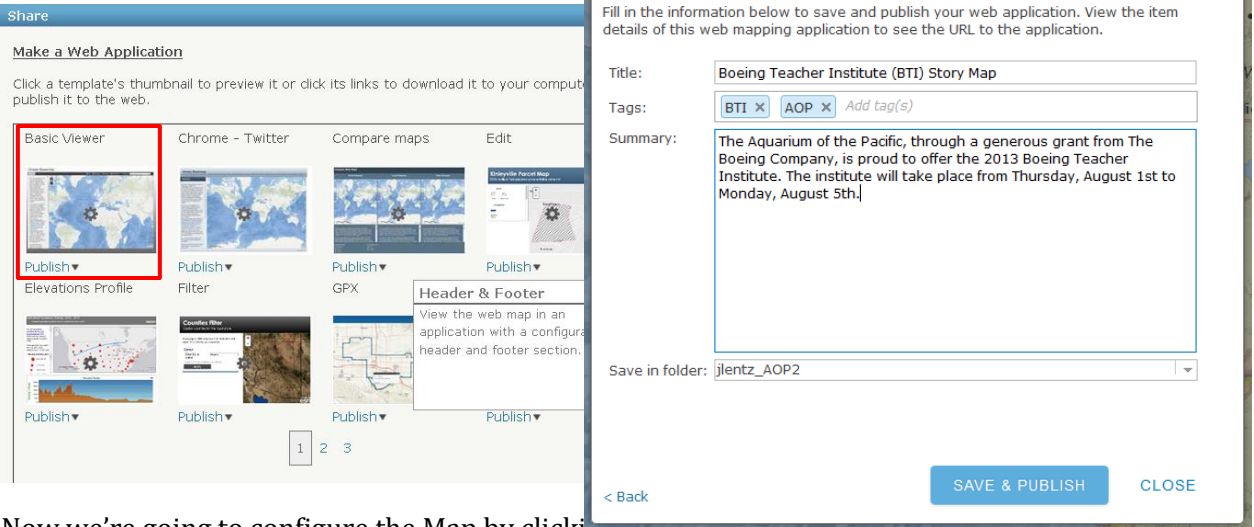


- For this example, the template we are most interested is on the **1st page**

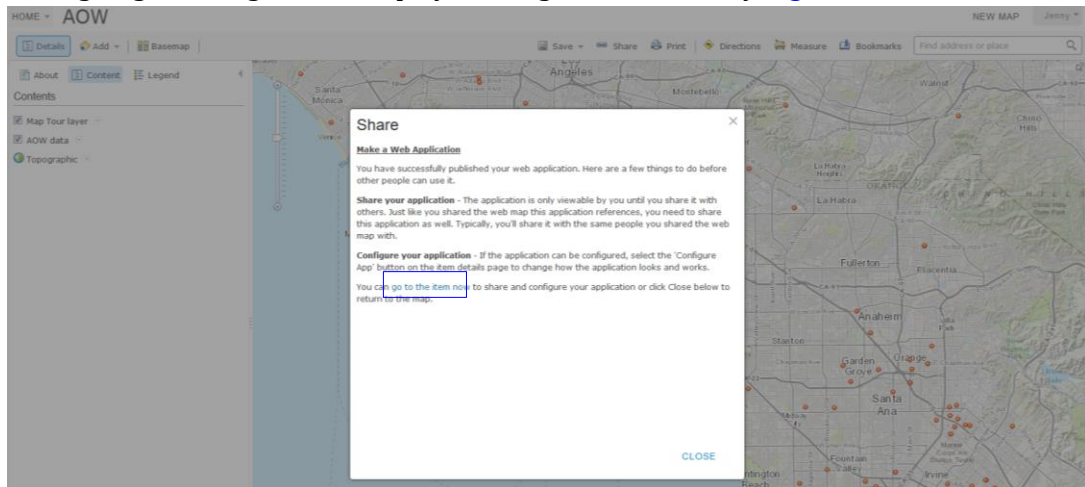
How to make an ESRI Storytelling Interactive webmap

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



How to make an ESRI Storytelling Interactive webmap

11) Configuring the App

- Click the “Edit” button

HOME GALLERY MAP GROUPS MY CONTENT MY ORGANIZATION Jenny

Boeing Teacher Institute (BTI) Story Map

The Aquarium of the Pacific, through a generous grant from The Boeing Company, is proud to offer the 2013 Boeing Teacher Institute. The institute will take place from Thursday, August 1st to Monday, August 5th.

Web Mapping Application by jlentz_AOP2
Last Modified: July 31, 2013
(0 ratings, 0 views)

Facebook Twitter

OPEN SHARE **EDIT** DELETE MOVE CHANGE OWNER ATTACH CODE

CONFIGURE APP

- Click the “Click the Thumbnail to change image” link
- Navigate to the image, click “OK,” then click “Save”

SAVE CANCEL

Title Boeing Teacher Institute (BTI) Story Map

Summary
Enter an item summary
Facebook Twitter

Click thumbnail to change image.

Upload Thumbnail
Specify the image to use as the thumbnail.
Image: Browse_ No file selected.
For best results, the image should be 200 pixels wide by 133 pixels high. Other sizes will be adjusted to fit. Acceptable image formats are: PNG, GIF and JPEG.
OK CANCEL

- The details page should now look like this:

HOME GALLERY MAP GROUPS MY CONTENT MY ORGANIZATION Jenny

Boeing Teacher Institute (BTI) Story Map

Web Mapping Application by jlentz_AOP2
Last Modified: July 31, 2013
(0 ratings, 12 views)

Facebook Twitter

OPEN SHARE EDIT DELETE MOVE CHANGE OWNER ATTACH CODE

CONFIGURE APP

Description

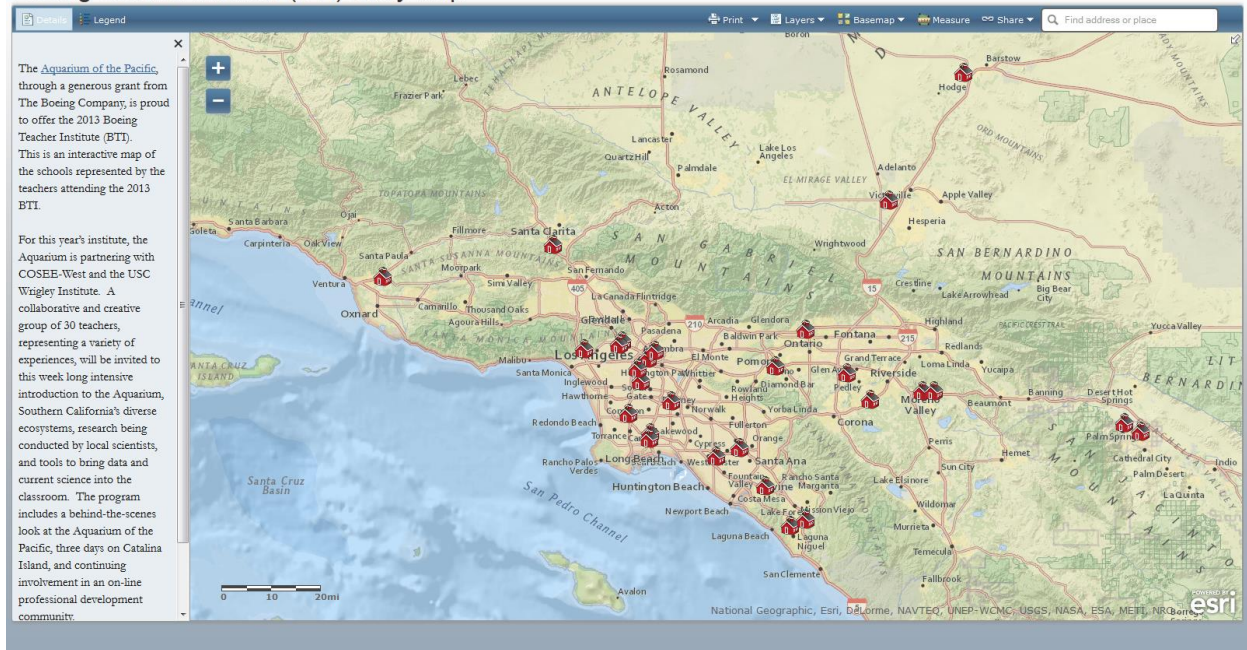
The Aquarium of the Pacific, through a generous grant from The Boeing Company, is proud to offer the 2013 Boeing Teacher Institute. For this year's institute, the Aquarium is partnering with COSEE-West and the USC Wrigley Institute. A collaborative and creative group of 30 teachers, representing a variety of experiences, will be invited to this week long intensive introduction to the Aquarium, Southern California's diverse ecosystems, research being conducted by local scientists, and tools to bring data and current science into the classroom. Each participant will also receive their own aquarium complete with filtration. The program includes a behind-the-scenes look at the Aquarium of the Pacific, three days on Catalina Island, and continuing involvement in an on-line professional development community.

Access and Use Constraints

How to make an ESRI Storytelling Interactive webmap

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

Boeing Teacher Institute (BTI) Story Map



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

A digital copy of these instructions is available online at:

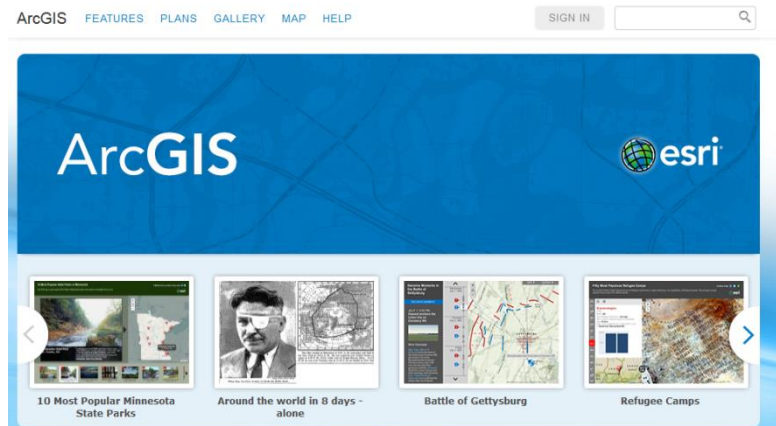
http://JenniferALentz.info/Teaching/Tutorials/Tutorial_CreatingStoryMapsOnline_2013.pdf

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>)

How to make an ESRI Storytelling Interactive webmap

Links to Free K-12 GIS Lesson Plans

➤ For Geography 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 History 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 Earth Science 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_Extre
- **“Learning about Dams-Reservoirs Using ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Dams_Reservoirs
- **“Learning about Flood Zones Using ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Flood_Zones_Usi
- **“Learning About Local Water Quality w/ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_About_Local_Water_Qua
- **“Learning about Oceans Using ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Oceans_Using_Ar
- **“Learning about Rivers Using ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Rivers_Using_Ar
- **“Learning about Watersheds Using ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_about_Watersheds_Usin
- **“Learning About Weather & Streamflow: ArcGIS Online” – 5-12 grades**
http://edcommunity.esri.com/software-and-data/Lessons/L/Learning_About_Weather_Strea
- **“Learning about Wetlands 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