

The California Public Utilities Commission uses ESRI's ArcGIS Online web mapping tool to help California state-issued video franchise holders confirm the correctness of their video franchise territory of any new application or amendment. *ArcGIS Online* is a powerful ESRI-hosted web platform which makes viewing and exploring geographic data online easy and accessible for anyone with a web browser. The Video Franchising and Broadband Deployment Group will maintain on our [webpage](#) under the *All Franchise Territory Map* section a [link](#) to an *ArcGIS Online* map of all current California state video franchise territory. The territory of each video franchise holder will be represented in its own layer, the features of which will be coded with the franchise number, franchise holder name, FCC Registration Number, size (in square miles), application date, application number, amendment number, certificate date, authority, local expiration date (if applicable), deployment date (if applicable), amendment number, and the franchise year – in short, all of the application metrics that are already publicly available on our website, or from the FCC's website. It will NOT contain any confidential data about any video franchise holders' network, such as homes passed, low-income homes passed, or subscribers.

The *ArcGIS Online* interface contains tools to turn layers on and off, zoom, pan, select features, change style and transparency, create a new legend based on any of the coded application metrics, open the attribute table of a layer and select specific records, print, and measure areas, distances, and points. Each layer will already be color-coded by amendment number, so that it will be easy for video franchise holders to identify and select the territory footprint of any given amendment. Once a new application or amendment territory has been validated by our Video Franchising team, an email will be sent out informing the applicant that the territory has been validated. Applicants will be directed to the *ArcGIS Online* [map](#) to verify the correctness of the territory, by using the map tools to find their layer, the appropriate amendment within the layer, and then visually inspecting the territory footprint. Once this is done, please reply to the email to confirm the map's correctness or notify us of any needed changes. Once the certificate is issued for an application or amendment, it will be posted on our *Franchises Issued* webpage. A link to the *ArcGIS Online* map is permanently available on the main Video Franchising [webpage](#) for all to see.

Please use the instructions below for navigating the online map.

How to Use ArcGIS Online – A Brief Explanation of the Tools

OVERVIEW

ArcGISOnline is a simple online tool that allows for viewing and exploring spatial data and their attributes. It can be used in any web browser and does not require any software installation. This document shows where the main ArcGISOnline tools are and explains what they can do.

NOTE: The map may exhibit difficulty rendering over wifi or mobile wireless networks. For best results, use a wired desktop computer.

Opening an ArcGIS Online Map

Each ArcGIS Online map has a unique web address, so you can open an ArcGIS Online map simply by clicking on its hyperlink. ArcGIS Online maps may contain a lot of data, and therefore may take some short amount of time to download, so please be patient. To mitigate delays in downloading and viewing data, features have been generalized during the upload process, and all layers except *Incorporated Cities and Towns* and *Counties* have been turned off. Once the map is open and rendered, follow the instructions below to access the layers of your choice.

Show Contents

The *Show Contents* button opens the Contents mode, displaying a suite of four tools for exploring the data, and allows the user to turn layers on and off using the check box next to the layer name. The tools work whether or not the layers are turned on. The *Show Contents* button is located above the Layer List on the left-hand side of the screen (see Figure 1 below).

Show Legend

Once you have entered Contents mode, hover the cursor over any layer in the list and four tools will appear below the layer name. The first tool (from left to right) is the *Show Legend* tool. It takes you out of Contents mode, and back into Legend mode, where the color patches of any given layer are displayed, if the layer is turned on. If the layer is not turned on, it will not display in Legend mode. You can also get to Legend mode using the *Show Map Legend* tool above the Layer List and next to the *Show Contents* tool. See Figures 2 and 8 below.

Show Table

The second tool (left to right) in *Contents* mode is the *Show Table* tool (Figure 3 below). It opens the attribute table of a layer. The table will appear at the bottom of the map with its first few records displayed. Each record in a layer's attribute table corresponds to a single spatial feature in that layer. Scroll across the table to see available fields and down to see all records. Clicking on any field of a record will highlight both that record and its spatial feature on the map. Note that there is an additional drop-

down tool menu in the upper right of the table (Figure 4 below). This allows you to zoom to any selected feature (“Center on Selection”), and clear a selection.

Change Style

The next tool to the right is the *Change Style* tool. It allows the user to specify display preferences for each layer, such as outline color and weight, fill color, transparency, visible range, and the attributes upon which these design preferences can apply (Figures 5 and 6 below).

More Options

The last tool to the right is the *More Options* tool. These additional options are *Zoom to* and *Transparency*. The *Zoom to* tool allows the user to zoom to any layer without a priori knowing that layer’s location or size. The transparency tool adjusts the transparency of any layer. See Figure 7 below.

Show Map Legend

The *Show Map Legend* tool, above the Layer List and next to the *Show Content* tool, displays the outline and fills colors of any layer in the map, if the layer is turned on in Contents mode. See Figure 8 below.

Other Functions

- Selecting features directly on the map does not require a special tool – simply click on the map at any time with the regular cursor. All the features from any layer which cover that point are selected and their attributes displayed in a pop-up box. The user can scroll through the highlighted features using the left-right arrows in the upper right of the pop-up box (Figure 9 below).
- The *Measure* tool allows the user to draw a polygon, line, or point on the map and returns the size, length, and latitude-longitude (respectively) of the user input (Figure 10 below).
- Panning – panning, that is shifting the map extent left, right, up, or down, does not require a special tool. It can be accomplished by using the regular cursor. Simply click and hold anywhere on the map and then drag the cursor in the desired direction.
- Zooming – use the +, -, or “Home” buttons in the upper left corner of the map

A note on dates

In the course of exploring the data you may notice that date field data are off by one day. This is because ArcGIS Online automatically converts all dates to Greenwich Mean Time, which is 8 hours earlier than Pacific Standard Time.

For any map issues not addressed here, please contact Dion Good at 415-703-3080 or dion.good@cpuc.ca.gov

Figure 1 – The Show Contents Tool

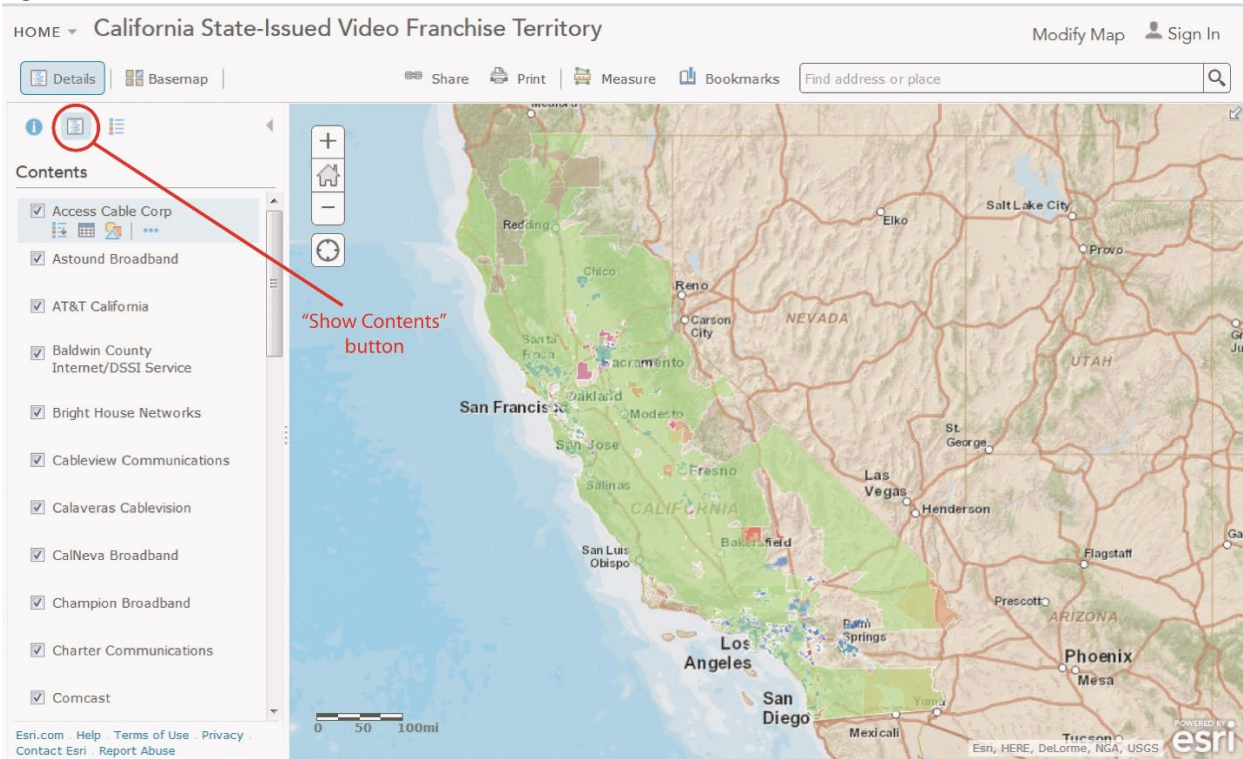


Figure 2 – The Show Legend Tool

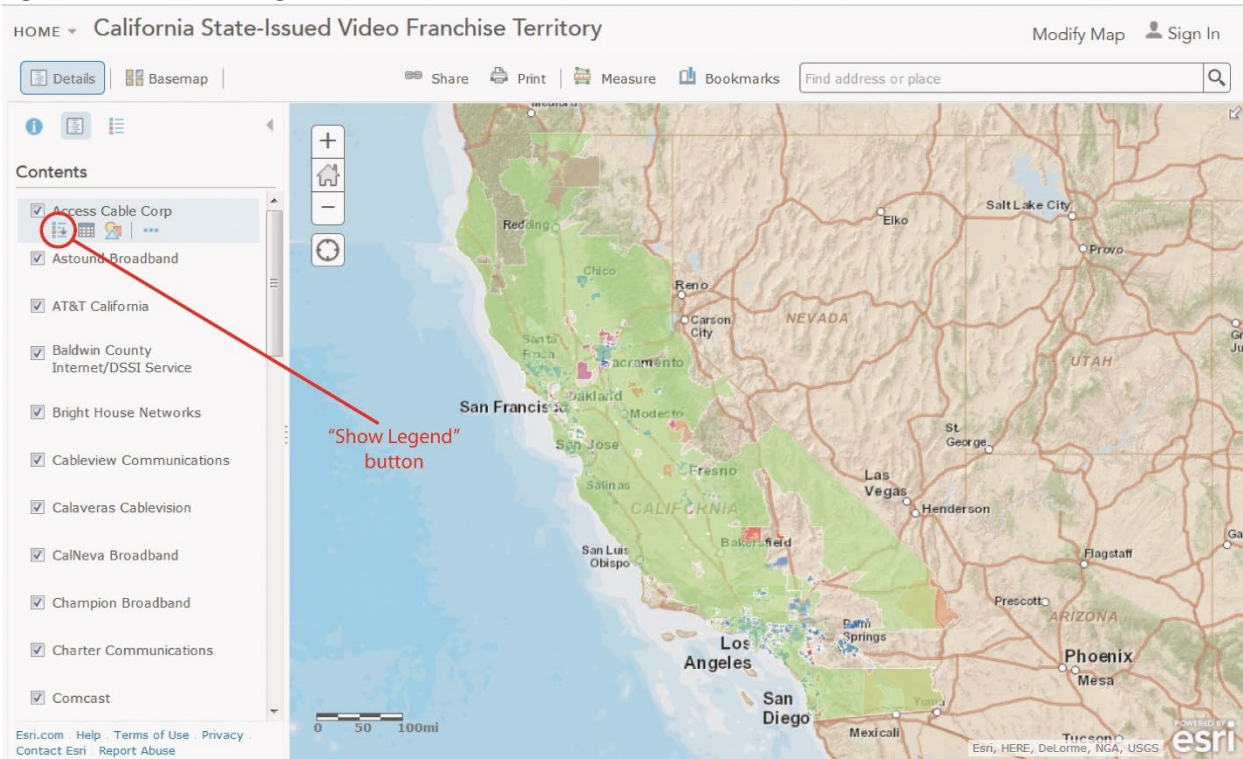


Figure 3 – The Show Table Tool

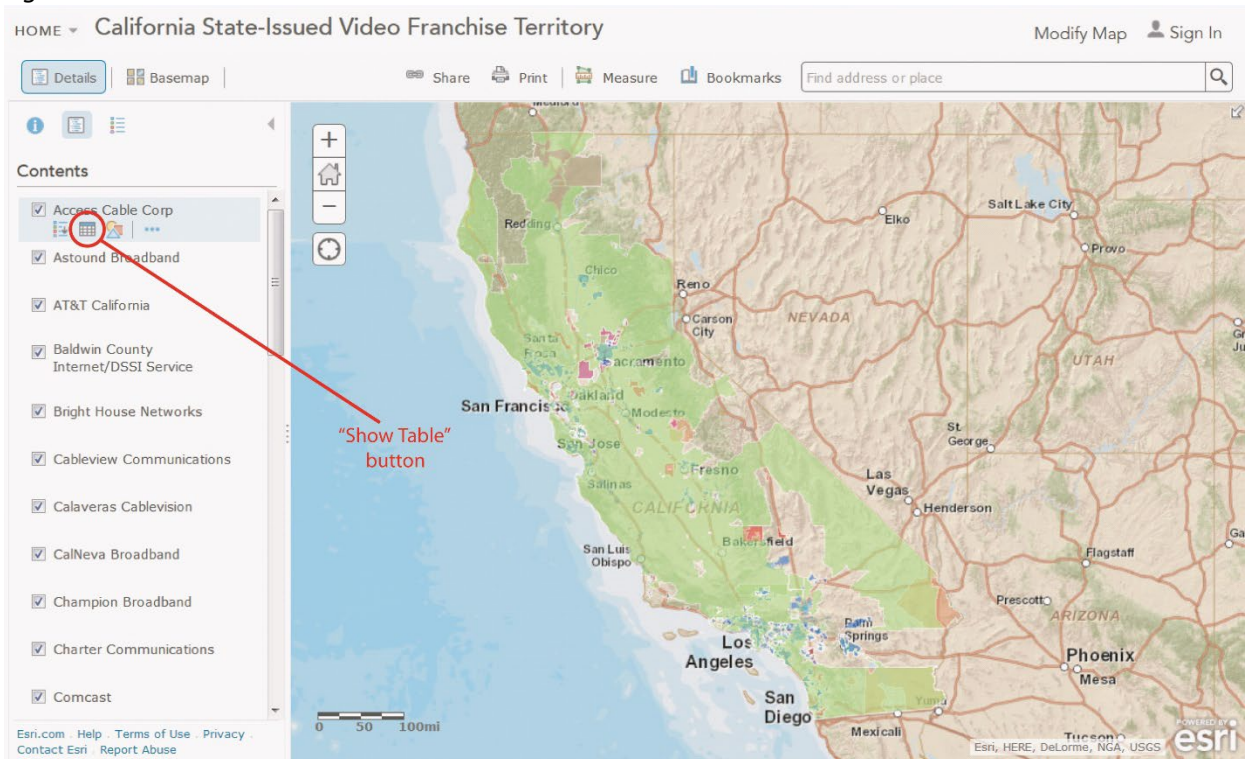


Figure 4 – Attribute Table Options

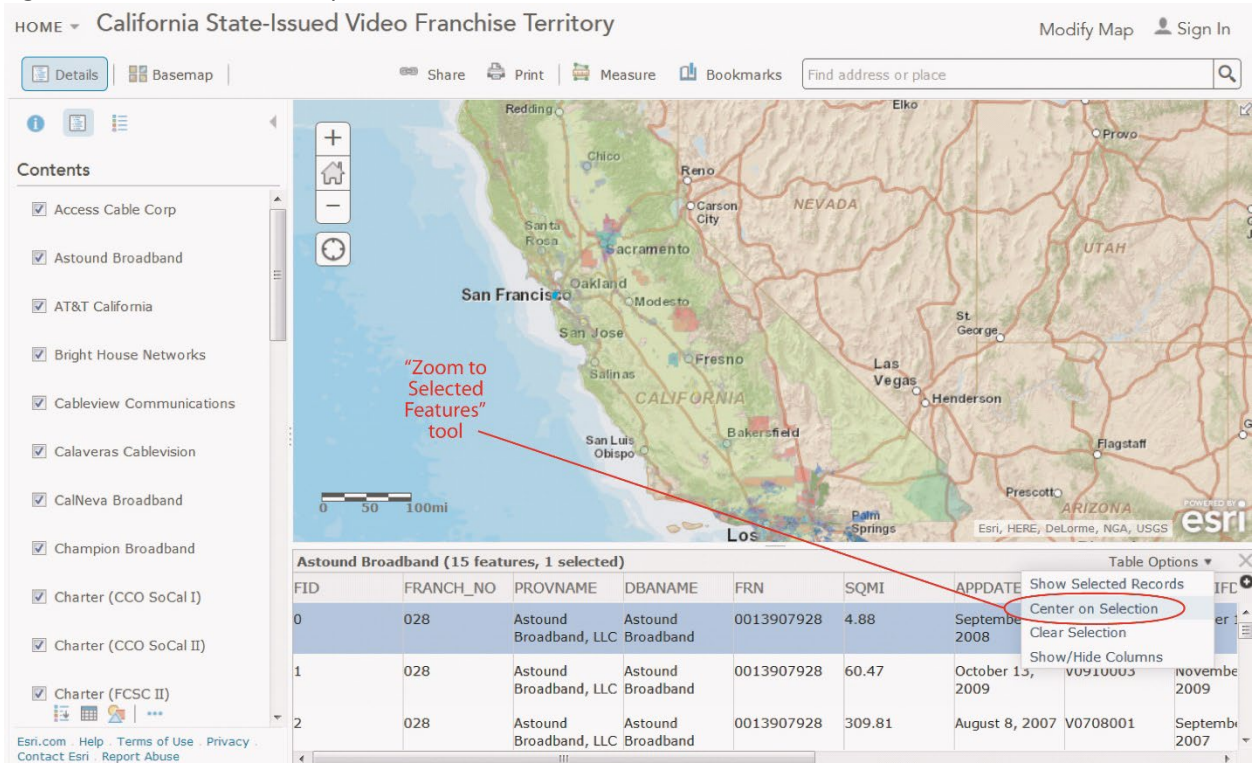


Figure 5 – The Change Style Tool

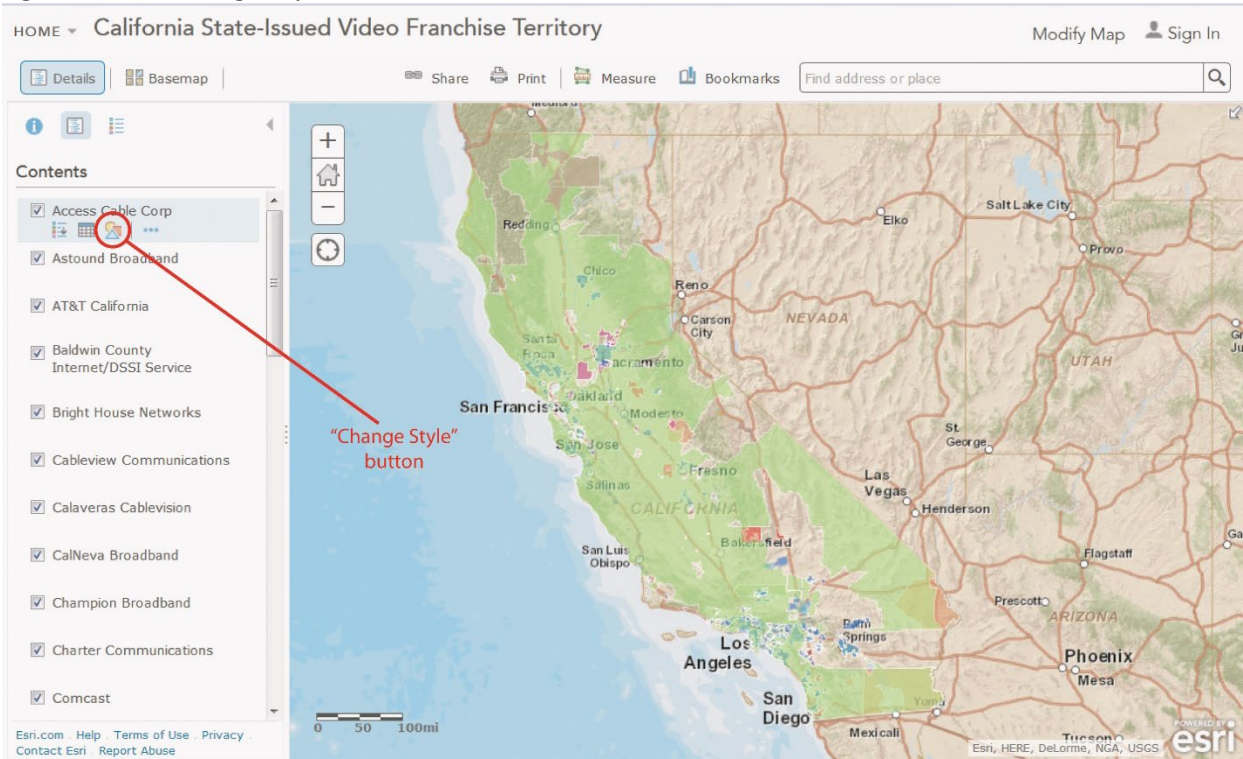


Figure 6 – Change Style Options

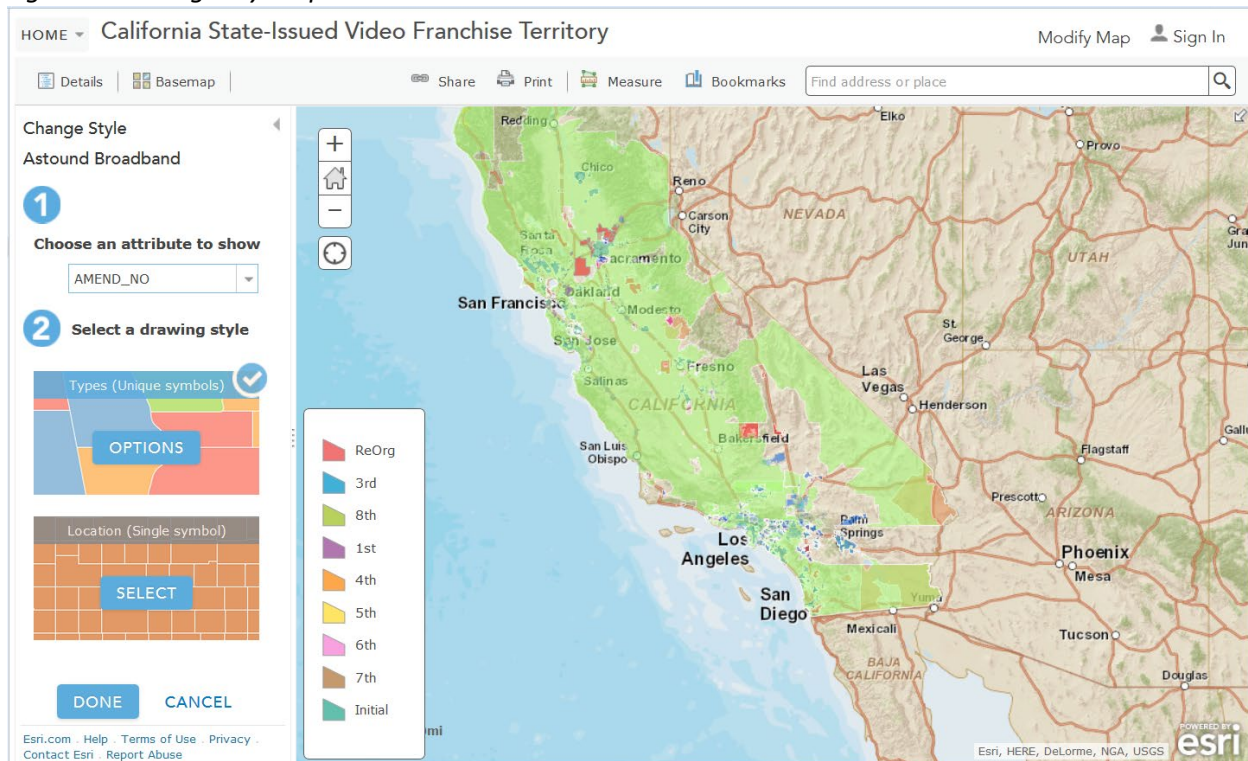


Figure 7 – The More Options Tool

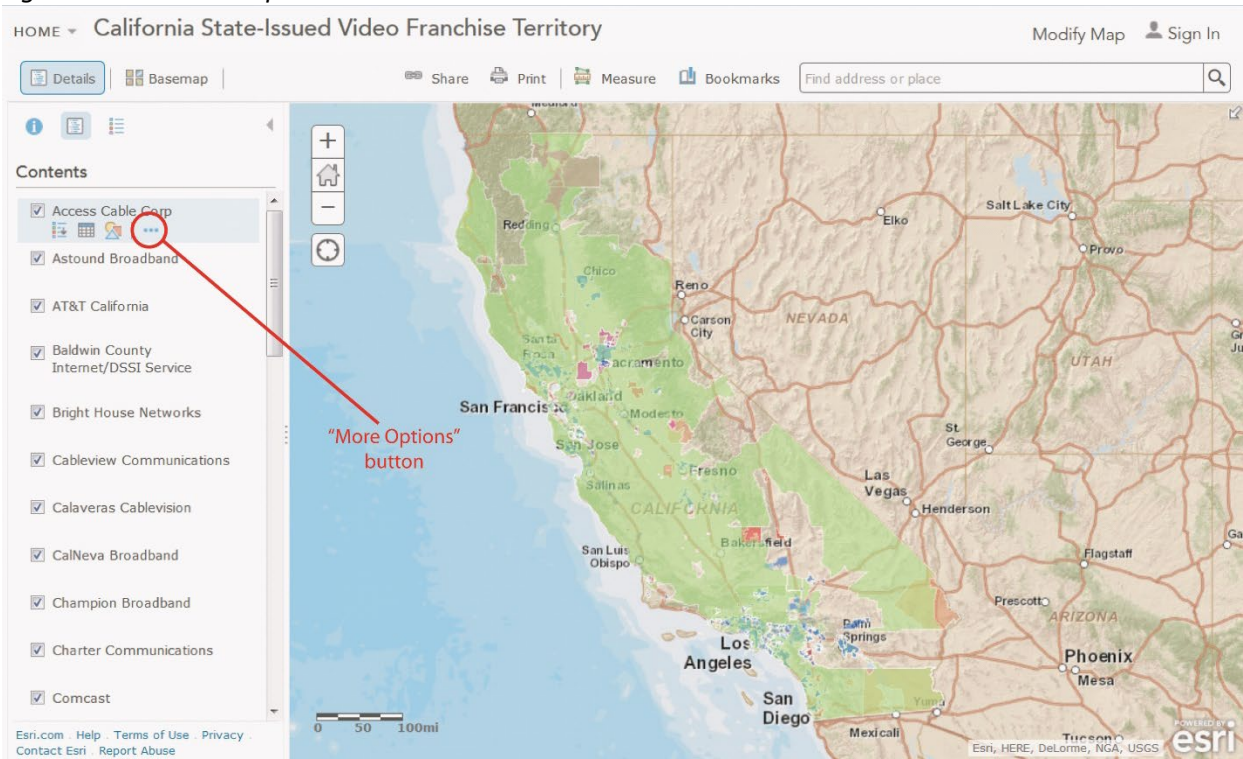


Figure 8 – The Show Map Legend Tool

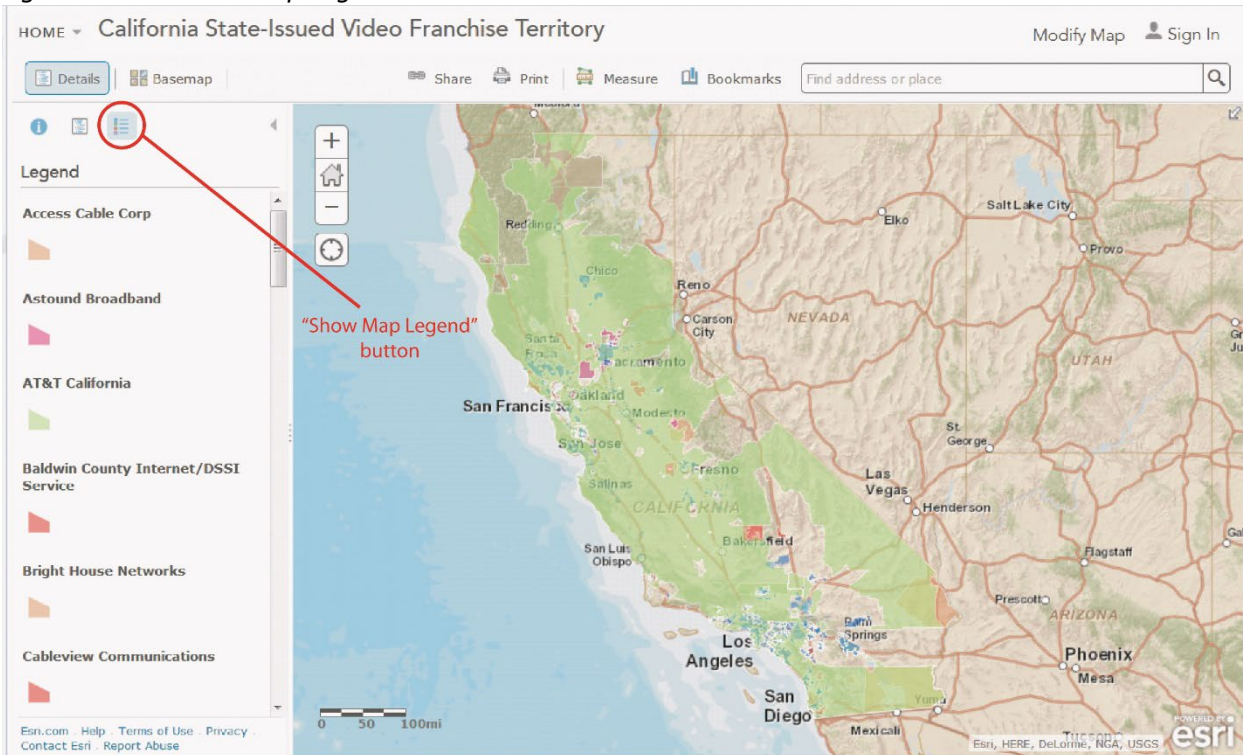


Figure 9 – Left-Right Arrows

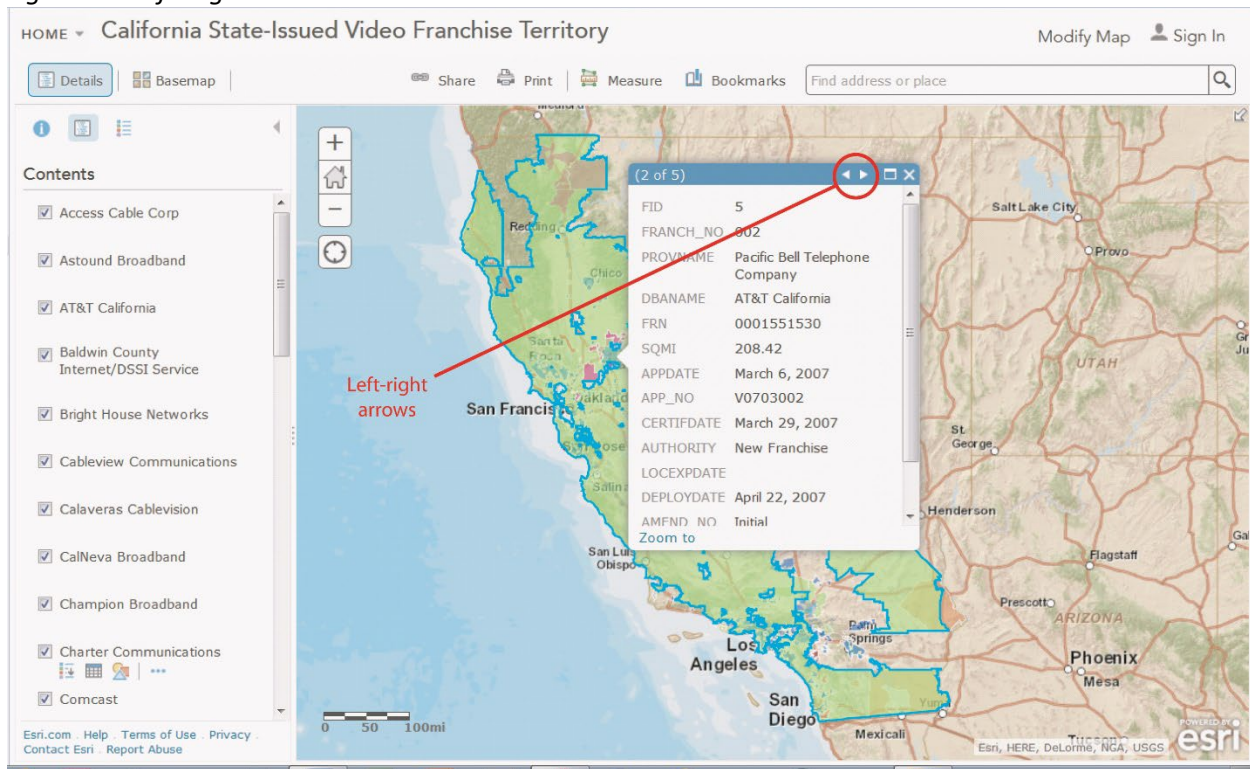


Figure 10 – The Measure Tool

