

TRANSCRIPT OF FOREST TO FAUCET TUTORIAL VIDEO

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Hello, I am George Silva.

In this brief video I will be walking you through the USDA Forest Service new Forest to Faucet interactive maps. I will first show you how to access the Forest to Faucet web page and get to the interactive map viewer. Then, I will demonstrate how to browse available data and I will present some of the more advanced features that are available.

Let's begin by opening the web browser to the Forest to Faucet webpage listed in your screen. At the Forest to Faucet web page, you see a brief overview of the Forest to Faucet project and a map section that starts out with the interactive map viewer, includes both graphic maps that you can click on to get the interactive map viewer and 5 individual links that includes 5 attribute layers associated with the Forest to Faucet index. Then, there is a printable maps section that links to with PDF files of pre-developed maps, and the dataset that were used in the Forest to Faucet project. And in the documentations section, document details of Forest to Faucet project and methodology.

Let's start by opening the interactive map viewer. The interactive map viewer opens up in ArcGIS.com. Here is the Forest to Faucet map. On the left side, there is a brief description of the Forest to Faucet datasets. There is also a link for more details and links to metadata, a complete description of the map file. You can also click on the bottom on this right-hand side of the bar to get the legend, and here we see the surface water importance index. We can browse the map by panning from side to side, holding down the left mouse bottom. We can zoom in to a particular area by dragging with this little slider bar outwards, pane into the area of interests.

Then we zoom back out to view the whole national extend. We can also go to a particular location by using this search box on the upper right-hand side. If you search for Denver, Colorado, the map zooms into the Denver area. We can see the individual sub-watersheds. Click on this sub-watersheds. It will open up a pop-up box that provides the underline data for the 5 different indices associated with the Forest to Faucet project.

You can further open it up to see all the data at one time. You can also quickly review other data layers by going back to the Forest to Faucet webpage, going back to the map section on that webpage. Clicking on the links to the individual attribute, here we will look at the forest importance to surface drinking, the second link on the list. That will open up the map with the index of forest importance to surface drinking water. Here you can see that there are fewer regions highlighted and if you click on the legend, you will see the different levels for forest importance to drinking water open up. Those are basic ways that you can use various data features and move around the map.

Let's move on to some more advanced features. Here, we can return to the Forest to Faucet project, click on contents of this particular map, and open it up. Here we see the index forest importance to surface drinking water is checked. If we uncheck that, it will take away that data layer. We can check on the index of development threats to forests. Here you can see that different data has been loaded.

We can change the transparency of this data by clicking on the arrow to the right of the top link. US Forest Service Forest to Faucet datasets and click on transparency. Here I can make it less transparent. We can just see that Forest to Faucet data for development threats or we can slide to more transparent and you can see the underline topographic maps.

And that brings me to other features. We can change the base map. Instead of using the topographic map, you can choose soil or other types of base maps. We have a gallery of choices. By clicking on the base map bottom, imagery, streets, and the plain or light gray canvas. Here, I will pick streets. And we can zoom in to street map to this to see the data provided. Now we can also change the transparency back to the original level.

Now we can see the sub-watersheds and some of the streets that run through the sub-watersheds.

If you click on one of these sub-watershed. You notice there are no pop-up data windows this time. To turn that back on, you need to go to the particular layer that you are looking at, click right arrow next to the layer you are interested in. Actually, clicking back to regional extent, and then we can enable pop-ups to get that particular layer.

And now I click on this particular sub-watershed and we get the detailed information here. I can open that up as we did earlier and we get all of the data of that particular sub-watershed. In addition to looking at these various watersheds, we can also add other data layers. We can see that by reloading the map. We can do that by simply clicking back to the Forest to Faucet page, clicking on the map picture and opening back up the Forest to Faucet dataset in arcGIS.com.

Here I am going to show you how to add a new data layer. Click on the add bottom and click on search for layers. Here I will simply type in US Forest Service administrative regional boundaries. And add it to this map. Now we have the regional boundaries overlaying the Forest to Faucet dataset. And you can see here back in contents panel, you can see both datasets on top of the other here.

Finally I am going to show you one last feature. If you click on opening this map in ArcGIS explorer online, you get more advanced data viewer. Click on that, it opens up this ArcGIS explorer, which requires Microsoft Silverlight plug-in for your browsers. This adds on more capabilities that you can try out.

On that note, I want to thank you and that concludes this brief overview of the Forest to Faucet interactive map viewer. Please direct any questions and comments to ecosystemservices@fs.fed.us.