

# Assignment 10

## [Wildfire Map: Track Live Fires, Smoke, & Lightning | Map of Fire](#)

This web map uses Mapbox instead of Esri to track live fires, smoke, and lightning, and report new fire incidents. What I like about this application is that by clicking an icon, it shows a detailed pop-up with information about the status, containment, acres burned, origin, responsible agency, and more. It also lets users follow incidents for updates and search for historical wildfires from the past 10 years. This is a great tool for decision makers to collaborate with associated agencies and learn from previous incidents. I'm a bit confused as to what the rainbow pixels shown in purple, red, and orange are, (smoke?). It's not listed in the legend and the user is unable to click for a popup. Overall, this is a very user-friendly application.

## [NASA | LANCE | FIRMS US/Canada](#)

This web map uses NASA satellite imagery to track active fires and thermal anomalies. NASA is collaborating with the USDA Forest Service as FIRMS "to provide access to low latency satellite imagery and science data products from Earth Observation System (EOS) satellite assets to identify the location, extent and intensity of wildfire activity and its effects. FIRMS US/Canada tools and applications provide geospatial data, products and services to support strategic fire management needs of US and Canadian agencies and inform the general public." I like the fact that you are viewing real time data (yesterday) and given the option to view past days, all the way back to November 2000. I dislike that the pop-up data for the Fires/ Hotspots layer isn't very intuitive to understand. This map is a little bit more complex when it comes to interactivity for everyday users.

## [Wildfire Aware](#)

This web app is powered by Esri and with the data supplied from ArcGIS living atlas. The web application provides information on wildfire incidents in the United States. It lists fires by the number of personnel assigned, from greatest to least, based on incident reports. I really like that when you click on a fire icon you are given information about a wildfire along with impacts on human and ecosystem populations. You can see subsets of different demographics per area. I'm also a fan of the informative use of the landcover in each area, leading decision makers and GIS administrators to determine potential causes and plans

of attack. Honestly, there isn't anything that I dislike about this web app. If I had to come up with something, I would say the inability to report a fire is missing and could be useful to incorporate.