WILDFIRE AWARE APP INSTRUCTIONS
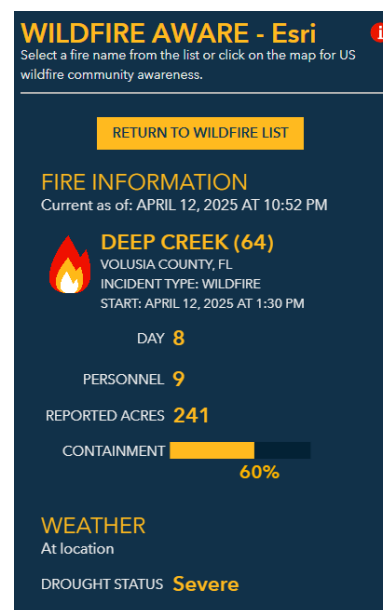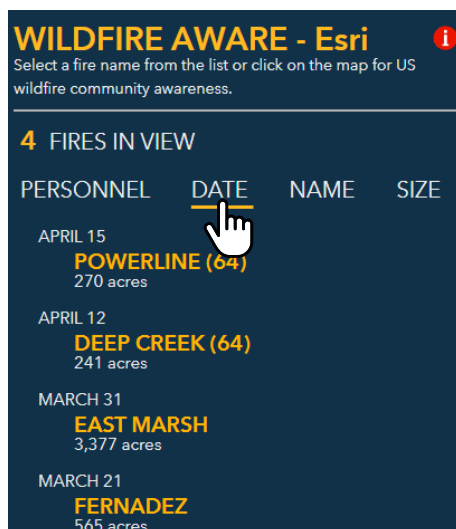
ABOUT THIS APP

The Wildfire Aware app is intended to provide information about the current status and potential impact of wildfire incidents in the United States. This app opens with the list of fires sorted by the number of personnel assigned from greatest to least as reported by incident staff. The data included in this application can all be found in ArcGIS Living Atlas and are from authoritative entities.

HOW TO USE THIS APP

Select a fire from the list, change the sort option to **DATE**, **NAME** or **SIZE**, or use shift and your mouse to draw a box and zoom in. Once you have selected a fire or clicked on the map, details will be displayed in the information panel on the right giving you more information about a wildfire along with impacts to human and ecosystem populations. You can also sort by wildfire name, date or size, by selecting the relevant filter in the information pane.

VIEW MAP LAYERS

Use the **MAP LAYERS button** at the bottom left for visual information not included in the information pane. Each layer is available to turn on based on the zoom level.

PERSONNEL BREAKDOWNS

Fires are often symbolized by acres or other attributes. The focus of this application is on the number of personnel assigned since that indicates how many resources are being dedicated to that incident. As the number of personnel decreases, it often indicates a lessoning of severity and fewer resources needed for suppression activities.

The categories below represent the number of personnel assigned:

> 500: Fires with the largest number of assigned personnel often require larger incident management team involvement.

50-500: Greater complexity requires a higher number of personnel and potentially an incident management team.

1-50: This number of personnel could indicate a smaller, less complex incident or one that is nearing the end of its primary response efforts.
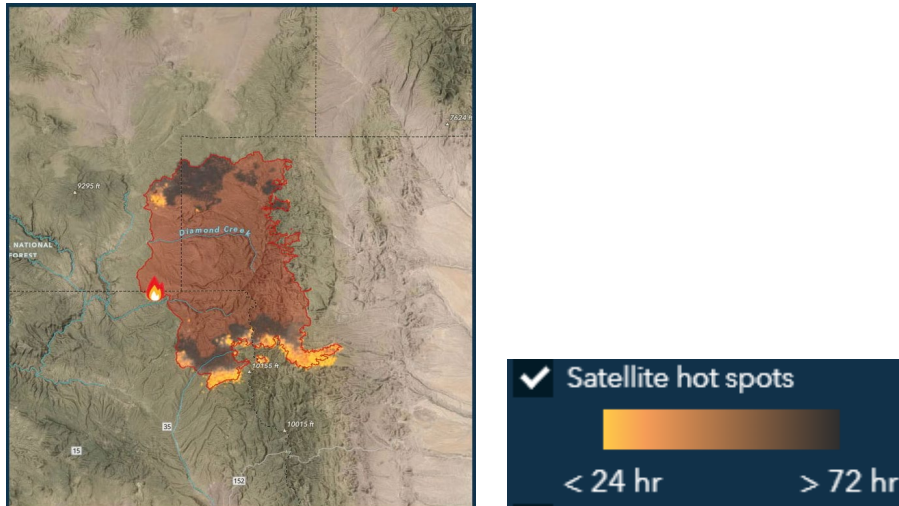
Not Reported: New fires, smaller fires that are easier to contain, or fires that are near the end of their life cycle may not report the number of 'personnel assigned'. This should in no way be taken as an indication that the fire is unstaffed or otherwise receiving no response.

Prescribed Fire: These fires are intentional and planned events.

SATELLITE HOT SPOTS

This layer displays fire perimeters posted to the National Incident Feature Service. It is updated from operational data and may not reflect current conditions on the ground. For a better understanding of the workflows involved in mapping and sharing fire perimeter data, see the National Wildfire Coordinating Group Standards for Geospatial Operations.

CENSUS BLOCK POPULATION

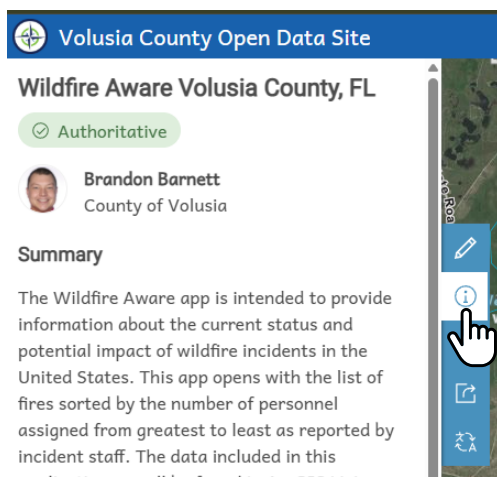View population based on 2020 Census block areas using this layer.
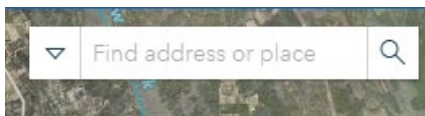
INFORMATION PANE

Upon selecting a fire, the map zooms to it and displays the acres, weather, population, and ecological information of the area covered by the fire perimeter. If there is no perimeter or you have clicked on another place on the map, you will see a circle with a 2-mile radius which generates the same set of results for that area.

TIPS

- Click the **More Info** button to hide the App Details pane.

- Use the **Search Bar** in the top right to search for addresses and places.

- Use the **MEASURE button** in the bottom right to measure distance.

DATA SOURCES

The 22 data layers used in this application can be found in ArcGIS Living Atlas:

- Environmental Protection Agency – Ecoregions and Air Quality Current and Tomorrow
- National Aeronautics and Space Administration – MODIS and VIIRS
- National Weather Service – Temperature Forecast, Wind Speed, Weather Watches and Warnings
- US Department of Agriculture – Drought Monitor
- US Census – Census 2020 Redistricting Blocks and American Community Survey
- USDA Forest Service – Wildfire Burned Areas, Wildfire Hazard Potential, Forest Type Groups, and Forest Carbon Pools
- US Fish and Wildlife Service – Critical Habitat
- US Geological Survey – National Land Cover Database and Protected Areas Database
- Integrated Reporting of Wildland-Fire Information (IRWIN) – Wildfire Points
- National Interagency Fire Center (NIFC) – Wildfire Perimeters
- Nature Serve – Imperiled Species
- Esri – 2023 Demographics and World Ecological Landforms

Read more about Wildfire Aware and ways to use it here. For more information on Esri's support for wildfires please visit our Wildland Fire webpage and our Disaster Response Program (DRP).

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