

## Wildland Fire Science at the U.S. Geological Survey

Supporting Wildland Fire and Land Management Across the United States



## Wildland Fire Science — Supporting Wildland Fire and Land Management

The U.S. Goologies' Survey's Willback Fire Science Program produces [modumented information in identify the course of widdfires, anderstand the impacts and hencylits of both widdfires and perceived form, and help perceive and message larger, catastrophic events. One fire scientistic perceils information and develop tasks that are widdfir used by matchedders to make decisions helper, during, and after widdfires in devert, granuland, standar, wellend, and form comparison areas the United States.

## Why is Fire Science Needed.

Widdless are expensive and how markets impacts on popels—saming the inser Abnome, totalhood, and livesyet for in widdless is essential to under frame widdless indiingences widdle holds, and anaage fra-scharder species in many competence across the country. Fire and land managers are fixed with surgety canteral researce challenges that U.S. Genögical Survey (USGG) science can address. These challenges offer spectrations for surgegement of USGG for sciencific to provide correct, rubble, and essential informat and body. Theorem insert in fits science include—

 Changing climate and more attemns two imagenetance, dought, and anticle procilacerases the intensity and doue of from, highline five studies, and highline the reconstruction of the studies of the low-obspace in wildlands—harmand development in wildlands—harmand development in wildlands—harmand development and subset ink.
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U.S. Department of the Interior

U.S. Geological Survey

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Characterizing 12 Years of Wildland Fire Science at the U.S. Geological Survey: Wildland Fire Science Publications, 2006–17



U.S. Department of the Interior U.S. Geological Survey **Get the facts about USGS Wildland Fire Science at** *https://doi.org/10.3133/fs20193025* 

An overview of 12 years of USGS fire science publications is available at https://doi.org/ 10.3133/ofr20191002

https://www.usgs.gov/fire

The U.S. Geological Survey's Wildland Fire Science Program produces information to identify the causes of wildfires, understand the impacts and benefits of both wildfires and prescribed fires, and help prevent and manage larger, catastrophic events. USGS fire scientists provide information and develop tools that are widely used by stakeholders to make decisions before, during, and after wildfires in desert, grassland, tundra, wetland, and forest ecosystems across the United States. Active areas of research include—

- Wildland fire behavior and risk management
- Fire ecology, fire effects, and post-fire restoration of ecosystems
- Risk assessments for human health, public safety, and the Nation's infrastructure
- Remote sensing and geospatial tools and data.

More information about the U.S. Geological Survey's Wildland Fire Science Program can be found at *https://www.usgs.gov/fire* 

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