

Geoscience in Your State: Arkansas

WHAT IS GEOSCIENCE?

Geoscience is the study of Earth and the composition, nature, development, and physical processes that sustain life and the economy. Understanding Earth's history and evolution, its resources, history, and geoscientists are developing solutions to environmental, environmental health, and policy challenges.



By the numbers: ARKANSAS

- 1,571 geoscience employees (excludes self-employed)¹
- 9.59 billion gallons/day: total groundwater withdrawal³
- 17 million acres of undeveloped production land²
- 700 active geoscience students in degree programs⁴
- 100 geoscience research centers⁵
- \$800 million in geoscience research funding⁶

DEVELOPMENT IN ARKANSAS

- 17 million acres of undeveloped production land²

INDUSTRY IN ARKANSAS

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RESEARCH IN ARKANSAS

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STUDENTS IN ARKANSAS

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¹ Geoscience in Arkansas
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⁴ Geoscience in Arkansas
⁵ Geoscience in Arkansas
⁶ Geoscience in Arkansas

For more information, please contact the Geoscience in Arkansas team at <http://www.geoscienceinarkansas.org>

By the numbers: Arkansas

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- 9.59 billion gallons/day: total groundwater withdrawal³

- \$771 million: value of nonfuel mineral production in 2017⁴
- 70 total disaster declarations, including 28 severe storm, 17 flood, and 15 tornado disasters (1953-2017)⁶
- \$184,000: NSF GEO grants awarded in 2017¹⁴...

Read more in this Geoscience in Your State Factsheet...

Agencies Working on Geoscience Issues in Arkansas

Arkansas Department of Environmental Quality

<https://www.adeq.state.ar.us/>

The Arkansas Department of Environmental Quality (ADEQ) is the state's main environmental protection agency, charged with protecting, enhancing, and restoring the environment for Arkansans.

Arkansas Energy Office

<https://www.adeq.state.ar.us/energy/>

The mission of the Arkansas Energy Office is to promote energy efficiency, clean technology and sustainable strategies that encourage economic development, energy security and the environmental well-being for all citizens of Arkansas.

Arkansas Geological Survey

<https://www.geology.arkansas.gov/>

The mission of the Arkansas Geological Survey is to serve the people of Arkansas by providing geological information in order to develop and enable effective management of the State's mineral, fossil fuel and water resources while protecting the environment.

Arkansas Natural Resources Commission

<https://www.anrc.arkansas.gov/>

The Arkansas Natural Resources Commission establishes policy and makes funding and regulatory decisions relative to soil conservation, nutrient management, water rights, dam safety and water resources planning and development.

Maps & Visualizations



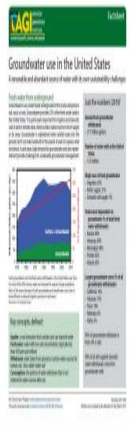
Interactive database for geologic maps of the United States

U.S. Geological Survey

The U.S. Geological Survey hosts the National Geologic Map Database (NGMDB). This interactive tool serves as a national archive for high-quality, standardized geologic maps created by the U.S. Geological Survey and state geological surveys. The MapView section of the NGMDB displays geologic maps...

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Case Studies & Factsheets

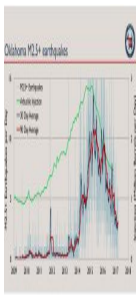


Groundwater use in the United States

Fresh water from underground Groundwater is any water found underground in the cracks and pores in soil, sand, or rock. Groundwater provides 25% of the fresh water used in the United States.¹ It is particularly important for irrigation and domestic uses in arid or remote areas, where surface water...

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Webinars & Forums



State Responses to Induced Earthquakes

This webinar features experts from state government in Oklahoma, Texas, and Ohio, who will discuss the range of state-level actions and approaches taken by these three oil- and gas-rich states to monitor and reduce the occurrence of induced earthquakes.

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GOLI Online Courses



Induced Seismicity in the Mid-Continent

Course Type: GOLI Online Course

[View course](#)

This course provides information about induced seismic activity in the United States, specifically in the mid-continent. It includes information on mitigation planning, the state of seismic monitoring at the state level, and the challenges in communicating the science of the issue to the public...

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Research Database Publications



Arkansas

1999, United States Geological Survey

Search all publications [>](#)
