

Geoscience in Your State: Arkansas

WHAT IS GEOSCIENCE?

Geoscience is the study of the earth and the complex physical, chemical, biological, and geological processes that control life and the economy. Understanding the earth's history and resources, its resources, history, and development is critical to understanding environmental health and policy challenges.



By the numbers: ARKANSAS

- 1,571 geoscience employees (not including self-employed)
- 9.59 billion gallons/day: total groundwater withdrawal
- 17 million acres of undeveloped public land in AR
- 7 total state geological studies, including 2 new studies, 1 final, and 1 completed (1993-2017)
- \$8,000,000: 2017 state budget

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Arkansas is a state with a rich geological history. The state's geology is a result of its location in the central United States, which has been a major center of geological research and discovery. The state's geology is a result of its location in the central United States, which has been a major center of geological research and discovery.

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- \$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

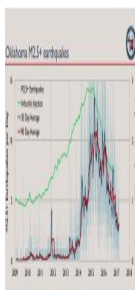


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Webinars & Forums



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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