Geoscience in Your State: Arkansas
By the numbers: Arkansas

- 1,571 geoscience employees (excludes self-employed)
- 9.59 billion gallons/day: total groundwater withdrawal
• $771 million: value of nonfuel mineral production in 2017
• 70 total disaster declarations, including 28 severe storm, 17 flood, and 15 tornado disasters (1953-2017)
• $184,000: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in Arkansas

Arkansas Department of Emergency Management
http://www.adem.arkansas.gov/
The Arkansas Department of Emergency Management (ADEM) is Arkansas’ Homeland Security and Preparedness Agency. ADEM serves as the state’s coordination center for the capabilities necessary to prevent, protect against, mitigate the effects of, respond to, and recover from those threats that pose the greatest risk to the security of the Nation.

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...

Search all Maps & Visualizations

Case Studies & Factsheets
Earthquake Hazards near the New Madrid Fault Zone

Earthquakes in the New Madrid Fault Zone The New Madrid fault zone (NMFZ) is a long-established weakness in the Earth’s crust in the central and eastern US where earthquakes have occurred for hundreds of millions of years. In 1811-1812, three large earthquakes (up to magnitude 7.5) caused severe...

Search all Case Studies & Factsheets

Webinars & Forums

State Responses to Induced Earthquakes
2017-04-14
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.

Search all Webinars & Forums

GOLI Online Courses

State Responses to Induced Earthquakes
Course Type: GOLI Online Course
View course
The surge in recent years of earthquake activity associated with some oil and gas operations, most notably in Oklahoma, has spurred a range of actions and responses from state geoscientists and regulators. States have taken measures to monitor these earthquakes and moderate the activities that...

Search all GOLI courses