

Geoscience in Your State: Mississippi

WHAT IS GEOSCIENCE?

Geoscience is the study of the earth and the complex geology, natural resources, and physical processes that sustain life and the economy. Understanding the earth's history and evolution, its resources, history, and development is critical to understanding environmental health and developing solutions.



By the numbers MISSISSIPPI

- 2,820 geoscience employees (excludes self-employed)¹
- 2.26 billion gallons/day: total groundwater withdrawal¹³
- 520 million acres of undeveloped/potential in 2017
- 400 billion cubic feet of natural gas in 2017
- 100 billion cubic feet of oil in 2017
- 100 billion cubic feet of coal in 2017
- 100 billion cubic feet of gas in 2017

DRILLING AND MINING IN MISSISSIPPI

- 20 million acres of land under development in 2017
- 100 million acres of land under development in 2017
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MINING IN MISSISSIPPI

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Mississippi is a leading producer of oil, gas, and coal. The state's geoscience industry is a major contributor to the state's economy. The state's geoscience industry is a major contributor to the state's economy. The state's geoscience industry is a major contributor to the state's economy.

By the numbers: Mississippi

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- 2.26 billion gallons/day: total groundwater withdrawal¹³

- \$216 million: value of nonfuel mineral production in 2017⁴
- 68 total disaster declarations, including 29 severe storm, 11 tornado, and 10 flood disasters (1953-2017)⁶
- \$1.02 million: NSF GEO grants awarded in...

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

Agencies Working on Geoscience Issues in Mississippi

Mississippi Department of Environmental Quality

<https://www.mdeq.ms.gov/>

The mission of the Mississippi Department of Environmental Quality is to safeguard the health, safety, and welfare of present and future generations of Mississippians by conserving and improving our environment and fostering wise economic growth through focused research and responsible regulation.

Mississippi Emergency Management Agency

<https://www.msema.org/>

The mission of the Mississippi Emergency Management Agency is to coordinate activities that will save lives, protect property and reduce suffering of Mississippi's citizens and their communities impacted by disasters through a comprehensive and integrated program of disaster preparedness, response, recovery and mitigation initiatives.

Mississippi Office of Geology

<https://www.mdeq.ms.gov/geology/>

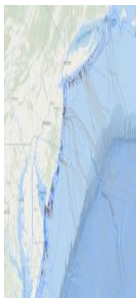
The Office of Geology is the component of the Department of Environmental Quality responsible for research into the surface and subsurface geology, paleontology, and mineral resources of Mississippi; regulating the permitting of mines and the reclamation of surface-mined land; and administering the Mississippi Digital Earth Model (MDEM).

Mississippi Soil & Water Conservation Commission

<https://www.mswcc.ms.gov/>

The MSWCC guides, promotes and demonstrates the conservation, development, protection and proper utilization of the soil, water and related resources of the State.

Maps & Visualizations



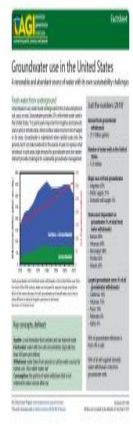
Interactive map of offshore sand and gravel resources of the United States

Bureau of Ocean Energy Management

The Bureau of Ocean Energy Management's Marine Minerals Information System (MMIS) provides an interactive map with information on offshore sand and gravel resources for 18 states on the Atlantic and Gulf coasts of the United States. The system includes: Sand and gravel resources Marine...

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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



2014 Critical Issues Forum: America's Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy

The 2014 Critical Issues Forum, entitled "America's Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy", examined the 5- to 30-year outlook for the development of a natural gas-dominant energy sector in North America and discussed the associated benefits and risks.

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