

## Geoscience in Your State: Indiana

## INTRODUCTION

Geoscience is a part of the earth and the comprehensive, multi-disciplinary process that studies the earth and the economy. Understanding the earth's structure and resources, the natural history and geologic processes is essential to the development of a sustainable, healthy, and safe society.



## By the numbers: INDIANA

- 5,874 geoscience employees (excludes self-employed) in 2017
- 699 million gallons/day total groundwater withdrawal
- 5.2 billion cubic feet of natural gas production in 2017
- 400 billion cubic feet of natural gas storage in 2017
- 1.4 billion cubic feet of natural gas production in 2017
- 1.2 billion cubic feet of natural gas production in 2017

Source: USGS, Indiana Department of Natural Resources

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Source: USGS, Indiana Department of Natural Resources  
<http://www.in.gov/dnr/geology/>

# By the numbers: Indiana

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- 699 million gallons/day: total groundwater withdrawal

- \$1.02 billion: value of nonfuel mineral production in 2017<sup>4</sup>
- 48 total disaster declarations, including 24 severe storm, 12 flood, and 6 snow disasters (1953-2017)<sup>6</sup>
- \$6.57 million: NSF GEO grants awarded in 2018...

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

### Agencies Working on Geoscience Issues in Indiana

#### **Indiana Department of Environmental Management**

<https://www.in.gov/idem/>

The Indiana Department of Environmental Management's mission is to implement federal and state regulations to protect human health and the environment while allowing the environmentally sound operations of industrial, agricultural, commercial and government activities vital to a prosperous economy.

#### **Indiana Department of Homeland Security**

<https://www.in.gov/dhs/>

The Indiana Department of Homeland Security works 24/7 to protect the people, property and prosperity of Indiana. For more information specific to Indiana's emergency management agencies, visit <https://www.in.gov/dhs/4197.htm>.

#### **Indiana Department of Natural Resources**

<https://www.in.gov/dnr/>

The mission of the Indiana Department of Natural Resources is to protect, enhance, preserve, and wisely use natural, cultural, and recreational resources for the benefit of Indiana's citizens through professional leadership, management, and education.

#### **Indiana Geological and Water Survey**

<https://igws.indiana.edu/>

The mission of the Indiana Geological and Water Survey is to provide geologic information and counsel that contribute to the wise stewardship of the energy, mineral, and water resources of the state.

## Maps & Visualizations



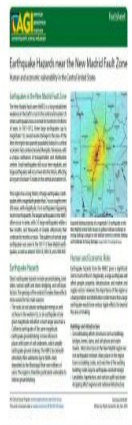
Interactive database for geologic maps of the United States

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

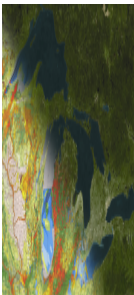


Earthquake Hazards near the New Madrid Fault Zone

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...

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Webinars & Forums



Geologic Mapping to Empower Communities: Examples from the Great Lakes

This webinar will introduce geologic mapping in the Great Lakes region, showcase projects from the Great Lakes Geologic Mapping Coalition, and review planning decisions made based on their work. Speakers from the Illinois, Minnesota, and Michigan State Geological Surveys will discuss case...

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