Geoscience in Your State: Illinois
By the numbers: Illinois

- 9,546 geoscience employees (excludes self-employed)
- 891 million gallons/day: total groundwater withdrawal
• $1.38 billion: value of nonfuel mineral production in 2017
• 60 total disaster declarations, including 25 severe storm, 15 flood, and 10 tornado disasters (1953-2017)
• $16.8 million: NSF GEO grants awarded in 2017...

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

Agencies Working on Geoscience Issues in Illinois

**Illinois Clean Coal Institute**
https://isgs.illinois.edu/icci/reports.php
Established in 1982, the Illinois Clean Coal Institute coordinated a comprehensive coal research and development program addressing issues related to sulfur and other noxious elements in Illinois coal. The full archive of almost 800 reports produced from this work over the course of 35 years is housed in the coal section of the Illinois State Geological Survey’s website.

**Illinois Emergency Management Agency**
https://www2.illinois.gov/iema/Pages/default.aspx
The mission of the Illinois Emergency Management Agency is to prepare, protect and assist the citizens of the State of Illinois through planning, prevention, training, mitigation, response, and recovery to all hazards, natural or man-made.

**Illinois Environmental Protection Agency**
https://www2.illinois.gov/epa/Pages/default.aspx
The mission of the Illinois EPA is to safeguard environmental quality, consistent with the social and economic needs of the State, so as to protect health, welfare, property and the quality of life.

**Illinois Office of Mining and Minerals**
https://www.dnr.illinois.gov/mines/Pages/default.aspx
The Illinois Office of Mining and Minerals regulates the mining industry throughout the State of Illinois; regulates the possession, use, and storage of explosives; and enforces various acts which govern the mining industry.

**Illinois Office of Oil and Gas Resource Management**
https://www.dnr.illinois.gov/OilandGas/Pages/default.aspx
The Illinois Office of Oil and Gas Resource Management is the regulatory authority in Illinois for permitting, drilling, operating, and plugging oil and gas production wells. The Office implements the Illinois Oil and Gas Act and enforces standards for the construction and operation of related production equipment and facilities. In addition, the Office regulates the injection of fluids into underground injection wells, through the UIC Program, and cleans up abandoned well sites through the PRF and Landowner Grant Programs.

**Illinois Office of Water Resources**
https://www.dnr.illinois.gov/WaterResources/Pages/default.aspx
The Illinois Office of Water Resources is the lead state agency for water resources planning, navigation, floodplain management, the National Flood Insurance Program, water supply, drought, and interstate organizations on water resources. Interagency duties include the state water plan, drought response, flood emergency situation reports, and the comprehensive review of Illinois water use law.

**Illinois State Geological Survey**
http://isgs.illinois.edu/
The mission of the Illinois State Geological Survey is to provide the citizens and institutions of Illinois with earth science research and information that are accurate, objective, and relevant to our State's environmental quality, economic prosperity, and public safety.

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

Roadway deicing in the United States
Background In areas prone to winter precipitation, transportation infrastructure must be able to quickly respond to snow and ice on roadways. Ice removal is a vital service in these communities. Deicing chemicals melt ice by lowering the temperature at which it melts. They can also prevent new ice...

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Webinars & Forums

Geologic Mapping to Empower Communities: Examples from the Great Lakes
2017-12-06
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...