Geoscience in Your State: Pennsylvania
By the numbers: Pennsylvania

- 16,480 geoscience employees (excludes self-employed)¹
- 628 million gallons/day: total groundwater withdrawal³
• $1.85 billion: value of nonfuel mineral production in 2017

• 59 total disaster declarations, including 26 flood, 16 severe storm, and 8 hurricane disasters (1953-2017)?

• $9.1 million: NSF GEO grants awarded in 2017...

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

Agencies Working on Geoscience Issues in Pennsylvania

Pennsylvania Department of Environmental Protection
https://www.dep.pa.gov/Pages/default.aspx
The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water from pollution and to provide for the health and safety of its citizens through a cleaner environment. We will work as partners with individuals, organizations, governments and businesses to prevent pollution and restore our natural resources.

Pennsylvania Emergency Management Agency
https://www.pema.pa.gov/Pages/Default.aspx
The Pennsylvania Emergency Management Agency helps communities and citizens mitigate against, prepare for, respond to, and recover from emergencies including natural disasters, acts of terrorism, or other humanmade disasters.

Pennsylvania Geological Survey
https://www.dcnr.pa.gov/about/Pages/Geological-Survey.aspx
The Pennsylvania Geological Survey's mission is to serve the citizens of Pennsylvania by collecting, preserving, and disseminating impartial information on the Commonwealth's geology, geologic resources, and topography in order to contribute to the understanding, wise use, and conservation of its land and included resources.

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
Spills in Oil and Natural Gas Fields

Introduction Oilfield spills can harm wildlife and pose a risk to human health if they reach fresh water sources or contaminate soil or air. The enormous size of the oil and gas industry and the huge volumes of oil and produced water that are handled, stored, and transported result in thousands of...

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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