Geoscience in Your State: Pennsylvania
By the numbers: Pennsylvania

- 16,480 geoscience employees (excludes self-employed)
- 628 million gallons/day: total groundwater withdrawal
$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**

Geologic maps identify coal resources and past mining in Pennsylvania
Geologic maps provide critical information for coal resource exploration and for planners, regulators, decision makers, and the general public. Defining the Problem Despite Pennsylvania’s long history as a major coal producer, information on the coal geology (Fig. 1), remaining resources, and...

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...

Water as One Resource
Course Type: GOLI Online Course
View course
This course provides an overview of how groundwater and surface water interact, what the implications of these interactions on water resources are, and how water can be more effectively managed if an understanding of these interactions is incorporated. The course presenters are Ken...

Pennsylvania
1999, United States Geological Survey

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