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...

Search all Maps & Visualizations

Case Studies & Factsheets
Groundwater Protection in Oil and Gas Production

Introduction The United States relies on groundwater for roughly 25% of its fresh water.1 This groundwater is found in porous, permeable rocks (aquifers) that often lie close to the Earth’s surface – the deepest freshwater aquifers are found more than 6,000 feet underground.2 But most are much...

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...

GOLI Online Courses

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...

Research Database Publications

Pennsylvania
1999, United States Geological Survey

Search all Case Studies & Factsheets
Search all Webinars & Forums
Search all GOLI courses
Search all publications