Geoscience in Your State: Virginia
By the numbers: Virginia

- 8,782 geoscience employees (excludes self-employed)
- 298 million gallons/day: total groundwater withdrawal
• $1.25 billion: value of nonfuel mineral production in 2017
• 64 total disaster declarations, including 17 severe storm, 15 flood, and 13 hurricane disasters (1953-2017)?
• $18.8 million: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in Virginia

**Virginia Department of Emergency Management**
https://www.vaemergency.gov/
The Virginia Department of Emergency Management works with local government, state and federal agencies and voluntary organizations to provide resources and expertise through the five mission areas of emergency management.

**Virginia Department of Environmental Quality**
https://www.deq.virginia.gov/
The Department of Environmental Quality protects and enhances Virginia’s environment, and promotes the health and well being of the citizens of the Commonwealth. The DEQ has programs in air, water, land protection, renewable energy, coastal zone management, pollution prevention, and environmental information.

**Virginia Department of Mines, Minerals, and Energy**
https://dmme.virginia.gov/
DMME’s purpose is to enhance the development and conservation of energy and mineral resources in a safe and environmentally sound manner in order to support a more productive economy in Virginia.

**Virginia Division of Geology and Mineral Resources**
https://www.dmme.virginia.gov/dgmr/divisiongeologymineralresources.shtml
The Division of Geology and Mineral Resources (DGMR) serves as Virginia's geological survey. DGMR performs investigations aimed at reducing risk from geologic hazards and encouraging sustainable development through the wise use of mineral, land, water, and energy resources.

Maps & Visualizations

Interactive map of offshore sand and gravel resources of the United States

Bureau of Ocean Energy Management

The Bureau of Ocean Energy Management's Marine Minerals Information System (MMIS) provides an interactive map with information on offshore sand and gravel resources for 18 states on the Atlantic and Gulf coasts of the United States. The system includes: Sand and gravel resources Marine...

Search all Maps & Visualizations

Case Studies & Factsheets
Dry well usage across the United States

Introduction Dry wells improve stormwater drainage and aquifer recharge by providing a fast, direct route for rainwater to drain deep into underlying sediment and rock. Dry wells are most common in the western U.S. where clay or caliche layers slow down the natural drainage of water into underlying...

Search all Case Studies & Factsheets

Webinars & Forums

Offshore Energy
2016-06-14
This webinar is based on a Congressional briefing organized by the Advances in Earth Science coalition (16 May 2016). The webinar brings together experts from academia and government to explain the scientific and engineering tools that enable production in challenging environments far from land...

Search all Webinars & Forums

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...

Search all GOLI courses