The AGI Geoscience Policy team created State Geoscience Information factsheets to inform geoscientists and decision makers on how geoscience impacts their state. These factsheets highlight geoscience areas including, employment, water, minerals, energy and hazards in each state. They also demonstrate how federal research agencies, such as the National Science Foundation, U.S. Geological Survey, National Aeronautics and Space Administration, and the National Ocean and Atmospheric Administration contribute beneficial geoscience information to each state.

If you have any questions on our state factsheets, please contact us at govt@americangeosciences.org

Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming

Image:
Geoscience in Virginia

WHAT IS GEOSCIENCE?
Geoscience is the study of the Earth and the complex geologic, marine, atmospheric, and hydrologic processes that sustain life and the economy. Understanding the Earth’s surface and subsurface, its resources, history, and hazards allows us to develop solutions to critical economic, environmental, health, and safety challenges.

By the numbers: VIRGINIA
- 125,630 geoscience employees (full-time equivalent)
- 65,080 full-time academic geoscience positions
- 26,570 secondary school geoscience teachers
- 9,760 high school geoscience courses
- 3,080 geoscience degrees awarded

ENERGY AND MINERALS IN VIRGINIA
- 14,000 active oil and gas leases
- 5,500 active coal leases
- 1,200 active mineral leases
- 800 active geothermal leases
- 200 active solar leases
- 100 active wind leases
- 50 active hydroelectric leases

WATER IN VIRGINIA
- 25 billion gallons/day captured groundwater withdrawal
- 10 billion gallons/day captured surface water withdrawal
- 5 billion gallons/day captured public supply water withdrawal
- 2 billion gallons/day captured industrial water withdrawal
- 1 billion gallons/day captured irrigation water withdrawal
- 8% of the population is served by public water supplies

NATURAL HAZARDS IN VIRGINIA
- 46 total disaster declarations, including 17 tornadoes, 15 floods, and 12 hurricane disasters (2001-2017)
- 300 million dollars in disaster assistance (2001-2017)
- 220 million dollars in mitigation grants (2001-2017)
- 190 million dollars in preparedness grants (2001-2017)
- 270 million dollars in public assistance grants (2001-2017)

*All data is current as of November 2017.*

Tags:
- policy
Section:

- Geoscience Policy