Geoscience in Your State: West Virginia
By the numbers: West Virginia

- 3,217 geoscience employees (excludes self-employed)
- 134 million gallons/day: total groundwater withdrawal
- $245 million: value of nonfuel mineral production in 2017
- 67 total disaster declarations, including 29 flood, 23 severe storm, and 4 snow disasters (1953-2017)
- $294,000: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in West Virginia

**West Virginia Department of Environmental Protection**
http://dep.wv.gov/Pages/default.aspx

The West Virginia Department of Environmental Protection (WVDEP) is a statewide operation, headquartered in Charleston. Operations are accomplished on a district or regional level, based upon the program, thus requiring a workforce throughout West Virginia. The WVDEP is involved in activities related to air quality, environmental quality and remediation, emergency response to hazards, land restoration, mining operations and reclamation, and regulation of the oil and gas industry.

**West Virginia Division of Homeland Security & Emergency Management**
https://dhsem.wv.gov/Pages/default.aspx

The mission of the West Virginia Division of Homeland Security and Emergency Management (DHSEM) is to ensure the protection of life and property by providing coordination, guidance, support and assistance to local emergency managers and first responders.

**West Virginia Geological & Economic Survey**
http://www.wvgs.wvnet.edu/

The WVGES was established with the purposes to, in general, (1) investigate the State's geological and physical resources, (2) make the results of these investigations promptly available to the public, and (3) provide topographic, geologic, and other maps of the State.

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...
Water Sources for Hydraulic Fracturing

Hydraulic Fracturing and Water Demand

Hydraulically fracturing a modern well can require millions of gallons of water for the initial fracturing process. This is a potential problem in arid regions with competing demands for fresh water (i.e. high water stress), such as Colorado and West Texas (see...)

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Webinars & Forums

2014 Critical Issues Forum: America's Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy

The 2014 Critical Issues Forum, entitled "America’s Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy", examined the 5- to 30-year outlook for the development of a natural gas-dominant energy sector in North America and discussed the associated benefits and risks.

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