

Geoscience in Your State: Delaware

WHAT IS GEOSCIENCE?

Geoscience is the study of the earth and the complex physical, chemical, and biological processes that control life and the economy. Understanding the earth's history and evolution, its resources, history, and development is critical to understanding environmental health and policy challenges.



By the numbers: DELAWARE

- 1,367 geoscience employees (excludes self-employed)¹
- 170 million gallons/day total groundwater withdrawal²
- 25 million cubic feet of natural gas production in 2017³
- 700 billion cubic feet of natural gas in storage in Delaware⁴
- 420 million cubic feet of gas produced in 2017⁵

Image credit: USGS/John C. Brown

DELAWARE'S WATER RESOURCES

- 25 million cubic feet of natural gas production in 2017³
- 700 billion cubic feet of natural gas in storage in Delaware⁴

DELAWARE'S ENERGY RESOURCES

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Source: Delaware Department of Natural Resources and Environmental Control (DNREC).
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- \$25 million: value of nonfuel mineral production in 20174
- 21 total disaster declarations, including 8 hurricane, 5 snow, and 4 severe storm disasters (1953-2017)?
- \$4.29 million: NSF GEO grants awarded in 201714...

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Agencies Working on Geoscience Issues in Delaware

Delaware Department of Natural Resources and Environmental Control

<https://dnrec.alpha.delaware.gov/>

The mission of the Delaware Department of Natural Resources and Environmental Control (DNREC) is to engage all stakeholders to ensure the wise management, conservation and enhancement of the State's natural resources; protect public health and the environment; provide quality outdoor recreation; improve the quality of life; lead energy policy and climate preparedness; and educate the public on historic, cultural and natural resource use, requirements and issues.

Delaware Emergency Management Agency

<http://www.dema.delaware.gov/>

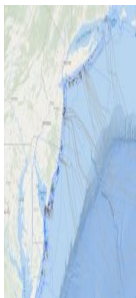
The Delaware Emergency Management Agency (DEMA) is the lead state agency for coordination of comprehensive emergency preparedness, training, response, recovery and mitigation services in order to save lives, protect Delaware's economic base and reduce the impact of emergencies.

Delaware Geological Survey

<https://www.dgs.udel.edu/>

The mission of the DGS is to provide objective earth science information, advice, and service to its stakeholders—the citizens, policy makers, industries, and educational institutions of Delaware.

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...

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Case Studies & Factsheets

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Present Day Climate Change

Climate Science 101 Climate is the average of weather conditions over several decades.^{1,2} Geoscientists monitor modern climate conditions (1880 A.D. to present) in part by taking direct measurements of weather data (i.e., air temperature, rainfall and snowfall, wind speed, cloudiness, and so on)...

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Webinars & Forums



Offshore Energy

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...

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