Geoscience in Your State: Maryland
By the numbers: Maryland

- 8,416 geoscience employees (excludes self-employed)
- 295 million gallons/day: total groundwater withdrawal
$379 million: value of nonfuel mineral production in 2017

32 total disaster declarations, including 9 flood, 8 hurricane, and 7 snow disasters (1953-2017)

$204 million: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in Maryland

**Maryland Department of Natural Resources**
https://dnr.maryland.gov/Pages/default.aspx
The Department of Natural Resources leads Maryland in securing a sustainable future for our environment, society, and economy by preserving, protecting, restoring, and enhancing the State’s natural resources.

**Maryland Department of the Environment**
https://mde.maryland.gov/Pages/index.aspx
The mission of the Maryland Department of the Environment is to protect and restore the environment for the health and well-being of all Marylanders.

**Maryland Emergency Management Agency**
https://mema.maryland.gov/Pages/default.aspx
The mission of the Maryland Emergency Management Agency is to ensure that Maryland families, communities, and key stakeholders are provided the tools they need to prepare for, mitigate against, respond to, and recover from the consequences of emergency and disaster events.

**Maryland Geological Survey**
http://www.mgs.md.gov/
The Maryland Geological Survey's mission is primarily scientific-investigative, with authorization to conduct topographic, geologic, hydrographic, and geophysical surveys; to prepare topographic, geologic, and other types of maps to meet specific needs; to prepare reports on the extent and character of the geology, minerals, and water resources of the State; and to engage in, sponsor, and coordinate archeological research in Maryland.

**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
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...

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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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GOLI Online Courses

Ocean Acidification Impacts on Fisheries
Course Type: GOLI Online Course
View course
As the amount of atmospheric carbon dioxide has increased over recent history, so has the acidity of oceans worldwide. The changing acidity of the ocean has many ecological and economic impacts, one of the most serious being its effects on marine life and fisheries. The impact of ocean...

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