By the numbers: New Jersey

- 8,387 geoscience employees (excludes self-employed)
- 569 million gallons/day: total groundwater withdrawal
• $265 million: value of nonfuel mineral production in 2017
• 50 total disaster declarations, including 17 severe storm, 9 hurricane, and 8 flood disasters (1953-2017)?
• $15.3 million: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in New Jersey

New Jersey Department of Environmental Protection
https://www.nj.gov/dep/
On America's first official "'Earth Day"'' — April 22, 1970, the New Jersey Department of Environmental Protection was born. New Jersey became the third state in the country to consolidate its past programs into a unified major agency to administer aggressive environmental protection and conservation efforts. Former Governor William T. Cahill appointed Richard J. Sullivan as the first commissioner. Since that day, NJDEP began a role to manage natural resources and solve pollution problems. In what started with about 1,400 employees in five divisions, NJDEP now has a staff of approximately 2,900 and is a leader in the country for its pollution prevention efforts and innovative environmental management strategies.

New Jersey Geological Survey
https://www.state.nj.us/dep/njgs/index.html
The mission of the New Jersey Geological Survey includes geoscience mapping, research and interpretive roles as well as water resource planning and regulatory functions.

New Jersey Office of Emergency Management
http://www.ready.nj.gov/
The Emergency Management section is responsible for planning, directing and coordinating emergency operations within the State of New Jersey which are beyond local control.

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
Present Day Climate Change

Climate Science 101 Climate is the average of weather conditions over several decades. 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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GOLI Online Courses

Ocean Acidification Impacts on Fisheries

Course Type: GOLI Online Course

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2007, New Jersey Geological and Water Survey

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