By the numbers: Alaska

- 3,736 geoscience employees (excludes self-employed)
- 315 million gallons/day: total groundwater withdrawal
$3.53 billion: value of nonfuel mineral production in 2017
54 total disaster declarations, including 17 severe storm, 4 fire, and 13 flood disasters (1953-2017)6
$33.6 million: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in Alaska

Alaska Department of Natural Resources
http://dnr.alaska.gov/
The Alaska Department of Natural Resources' mission is to develop, conserve and maximize the use of Alaska's natural resources consistent with the public interest. The Department of Natural Resources manages all state-owned land, water and natural resources, except for fish and game, on behalf of the people of Alaska.

Alaska Division of Geological & Geophysical Surveys
http://dggs.alaska.gov/
The Division of Geological & Geophysical Surveys (DGGS) mission is to determine the potential of Alaskan land for production of metals, minerals, fuels, and geothermal resources, the locations and supplies of groundwater and construction material, and the potential geologic hazards to buildings, roads, bridges, and other installations and structures.

Alaska Division of Homeland Security & Emergency Management
https://www.ready.alaska.gov/
The mission of the Alaska Division of Homeland Security and Emergency Management is to lead the way in homeland security and emergency management to foster a prepared, resilient Alaska capable of meeting the needs of its communities and citizens in response to all-hazards events.

Alaska Oil and Gas Conservation Commission
http://doa.alaska.gov/ogc/
The Alaska Oil and Gas Conservation Commission's mission is to protect the public interest in exploration and development of Alaska's valuable oil, gas, and geothermal resources through the application of conservation practices designed to ensure greater ultimate recovery and the protection of health, safety, fresh ground waters and the rights of all owners to recover their share of the resource.

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...

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Case Studies & Factsheets
What Determines the Location of a Well?

Introduction Oil- and gas-rich rocks are only found in certain parts of the United States, so most of the country has no oil or gas wells. Where oil and gas production is commercially viable, many factors determine the exact location of each well, including leasing, permitting, competing land uses...

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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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Ocean Acidification Impacts on Fisheries

Course Type: GOLI Online Course

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Research Database Publications

Alaska
1999, United States Geological Survey

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