

Geoscience in Your State: South Dakota

INTRODUCTION

Geoscience is a study of the earth and the composition, nature, development, and physical processes that control life and the economy. Understanding the earth's surface and subsurface, its resources, history, and development is a key to understanding the earth's environment, and its development.



By the numbers SOUTH DAKOTA

- 1,505 geoscience employees (excludes self-employed)
- 238 million gallons/day: total groundwater withdrawal
- 127 million acres of undeveloped public land in SD
- 1,000,000 acres of land in SD
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Geoscience in South Dakota

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- 238 million gallons/day: total groundwater withdrawal

- \$372 million: value of nonfuel mineral production in 20174
- 62 total disaster declarations, including 25 severe storm, 16 flood, and 14 fire disasters (1953-2017)?
- \$224,000: NSF GEO grants awarded in 201714 ...

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

Agencies Working on Geoscience Issues in South Dakota

South Dakota Department of Environment and Natural Resources

<https://denr.sd.gov/>

To protect public health and the environment by providing environmental monitoring and natural resource assessment, technical and financial assistance for environmental projects, and environmental regulatory services; all done with reduced red tape, expanded e-government functions, and exceptional customer service to promote a prosperous economy while protecting South Dakota's environment and natural resources for today and tomorrow.

South Dakota Geological Survey

<http://www.sdgs.usd.edu/>

The mission of the Geological Survey Program is to perform scientific investigations that are designed to generate information on South Dakota's geologic and hydrologic resources. Fundamental aspects of those investigations are to include the collection, interpretation, and dissemination of geologic and hydrologic information leading to (1) a better understanding of the geology and hydrology of South Dakota, (2) better and easier use of the information by government, industry, and the public for decisions related to resource development and protection, (3) greater economic development, and (4) a better quality of life for South Dakota's citizens.

South Dakota Office of Emergency Management

<https://dps.sd.gov/emergency-services/emergency-management>

The purpose of the OEM is to protect South Dakotans and their property from the effects of natural, manmade, and technological disasters.

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

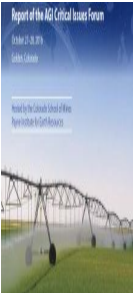


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Webinars & Forums



2016 Critical Issues Forum: Addressing Changes in Regional Groundwater Resources: Lessons from the High Plains Aquifer

The 2016 Critical Issues Forum was a 1-½ day meeting covering multiple aspects of groundwater depletion in the High Plains.

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