Geoscience in Your State: Montana
By the numbers: Montana

- 3,043 geoscience employees (excludes self-employed)
- 205 million gallons/day: total groundwater withdrawal
$1.05 billion: value of nonfuel mineral production in 2017

57 total disaster declarations, including 28 flood, 20 severe storm, and 3 tornado disasters (1953-2017)

$3.69 million: NSF GEO grants awarded in 2017...

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

Agencies Working on Geoscience Issues in Montana

Montana Bureau of Mines and Geology
http://www.mbmng.mtech.edu/

Established in 1919, the Montana Bureau of Mines and Geology (MBMG) continues to fulfill its mandate to collect and publish information on Montana's geology to promote orderly and responsible development of the energy, groundwater, and mineral resources of the State.

Montana Department of Environmental Quality
https://deq.mt.gov/

The Montana Department of Environmental Quality is charged with protecting a clean and healthy environment as guaranteed to our citizens by our State Constitution. Our ultimate goal is to protect public health and to maintain Montana's high quality of life for current and future generations.

Montana Department of Natural Resources and Conservation
http://dnrc.mt.gov/

Montana Department of Natural Resources and Conservation's mission is to help ensure that Montana's land and water resources provide benefits for present and future generations. The department is organized into seven divisions: Director's Office, Conservation and Resource Development, Forestry, Oil and Gas Conservation, Reserved Water Rights Compact Commission, Trust Land Management, and Water Resources.

Montana Disaster and Emergency Services
https://readyandsafe.mt.gov/

Montana Disaster & Emergency Services (MT DES) is the lead agency coordinating comprehensive emergency management in Montana. In collaboration with local and tribal governments we build, sustain, and improve our ability to prepare for, protect against, respond to, recover from, and mitigate hazards.

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
Using Produced Water

Opportunities and Concerns in Using Produced Water

Produced water is natural groundwater that is extracted along with oil and gas. It is commonly salty and mixed with oil residues, so it must be either disposed of or treated and reused. About 2.5 billion gallons of produced water are extracted...

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2014 Critical Issues Forum: America’s Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy

The 2014 Critical Issues Forum, entitled "America’s Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy", examined the 5- to 30-year outlook for the development of a natural gas-dominant energy sector in North America and discussed the associated benefits and risks.

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