Geoscience in Your State: Wyoming
By the numbers: Wyoming

- 2,197 geoscience employees (excludes self-employed)
- 748 million gallons/day: total groundwater withdrawal
$2.41 billion: value of nonfuel mineral production in 2017

30 total disaster declarations, including 18 fire, 5 flood, and 2 severe storm disasters (1953-2017)?

$4.65 million: NSF GEO grants awarded in 2017...

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

Agencies Working on Geoscience Issues in Wyoming

Wyoming Department of Environmental Quality
http://deq.wyoming.gov/
The Wyoming Department of Environmental Quality is responsible for enforcing state and federal environmental laws. It is comprised of seven divisions: administration, abandoned mine land, air quality, industrial siting, land quality, solid & hazardous waste, water quality.

Wyoming State Emergency Response Commission
https://hls.wyo.gov/
Among the SERC’s duties are the following: designate local emergency planning districts within the state and appoint a local emergency planning committee (LEPC) to serve each of the districts; coordinate and supervise activities of the local committees; review local emergency response plans annually; receive all chemical release notifications and inventory reports.

Wyoming State Geological Survey
https://www.wsgs.wyo.gov/
The Wyoming State Geological Survey (WSGS) performs the important and critical function of interpreting Wyoming’s complex geology.

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...

Search all Maps & Visualizations >

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...

Webinars & Forums


2016-10-27

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

GOLI Online Courses

Making Produced Water More Productive

Course Type: GOLI Online Course

View course

Geoscience is essential to our understanding and management of produced water, an inevitable byproduct of oil and gas development. This course provides a scientific and regulatory background of produced water, how it is commonly disposed, what opportunities exist for the re-use of produced water...

Research Database Publications

Wyoming

2000, United States Geological Survey

Search all publications