Geoscience in Your State: Utah
By the numbers: Utah

- 4,224 geoscience employees (excludes self-employed)
- 1.15 billion gallons/day: total groundwater withdrawal
$2.61 billion: value of nonfuel mineral production in 2017

31 total disaster declarations, including 18 fire, 8 flood, and 2 severe storm disasters (1953-2017)

$9.02 million: NSF GEO grants awarded in 2017

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

Agencies Working on Geoscience Issues in Utah

Utah Department of Environmental Quality
https://deq.utah.gov/
DEQ’s mission is, “Safeguarding and improving Utah’s air, land and water through balanced regulation.” We implement State and federal environmental laws and work with individuals, community groups, and businesses to protect the quality of our air, land and water.

Utah Division of Oil, Gas and Mining
https://oilgas.ogm.utah.gov/oilgasweb/
The mission of the Utah Division of Oil, Gas and Mining is to regulate the exploration and development of coal, oil and gas, and other minerals in a manner which encourages responsible reclamation and development; protects correlative rights; prevents waste; and protects human health and safety, the environment, and the interests of the state and its citizens.

Utah Geological Survey
https://geology.utah.gov/
The Utah Geological Survey provides timely scientific information about Utah's geologic environment, resources and 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...

Search all Maps & Visualizations

Case Studies & Factsheets

Spills in Oil and Natural Gas Fields
Introduction Oilfield spills can harm wildlife and pose a risk to human health if they reach fresh water sources or contaminate...
soil or air. The enormous size of the oil and gas industry and the huge volumes of oil and produced water that are handled, stored, and transported result in thousands of...

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.