Geoscience in Your State: Nevada
By the numbers: Nevada

- 3,819 geoscience employees (excludes self-employed)
- 1.44 billion gallons/day: total groundwater withdrawal
• $8.68 billion: value of nonfuel mineral production in 2017
• 68 total disaster declarations, including 47 fire, 11 flood, and 5 severe storm disasters (1953-2017)
• $2.04 million: NSF GEO grants awarded in Nevada in...

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

Agencies Working on Geoscience Issues in Nevada

Colorado River Commission of Nevada
http://www.crc.nv.gov/
The Colorado River Commission of Nevada (CRC) is an executive agency of the State of Nevada responsible for acquiring and managing Nevada’s share of water and hydropower resources from the Colorado River.

Nevada Bureau of Mines and Geology
http://www.nbmg.unr.edu/
The Nevada Bureau of Mines and Geology (NBMG) is a research and public service unit of the University of Nevada and is the state geological survey. NBMG conducts research and publishes reports on mineral resources, engineering geology, environmental geology, hydrogeology, and geologic mapping.

Nevada Division of Emergency Management
http://dem.nv.gov/
The Division of Emergency Management (DEM) focuses on preparedness, response, recovery, and mitigation resources through partnerships to sustain safe and livable communities for Nevada’s residents and visitors

Nevada Division of Environmental Protection
https://ndep.nv.gov/
The Colorado River Commission of Nevada (CRC) is an executive agency of the State of Nevada responsible for acquiring and managing Nevada’s share of water and hydropower resources from the Colorado River.

Nevada Division of State Lands
http://lands.nv.gov/
State Lands provides the expertise to acquire and hold lands for the State of Nevada. They collaborate with private businesses, citizens, federal- and state-based agencies to effectively and responsibly use the resources Nevada has to offer.

State of Nevada Division of Water Resources
http://water.nv.gov/
The mission of the Nevada Division of Water Resources (NDWR) is to conserve, protect, manage and enhance the State’s water resources for Nevada's citizens through the appropriation and reallocation of the public waters. In addition, the Division is responsible for quantifying existing water rights; monitoring water use; distributing water in accordance with court decrees; reviewing water availability for new subdivisions and condominiums; reviewing the construction and operation of dams; appropriating geothermal water; licensing and regulating well drillers and water rights surveyors; reviewing flood control projects; monitoring water resource data and records; and providing technical assistance to the public and governmental agencies.

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

Geologic maps and mineral resources in Nevada
Geologic maps have provided the key to finding new gold deposits in Nevada. Defining the Problem The western states contain many gold deposits (Fig. 1), and a zone of faulted sedimentary and igneous rocks in northeastern Nevada, known as the “Carlin” trend, is the most productive region in the...

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Webinars & Forums

Water as One Resource: How interactions between groundwater and surface water impact water availability
This webinar provides an overview of how groundwater and surface water interact, what the implications of these interactions on water resources are, and how water can be more effectively managed if an understanding of these interactions is incorporated.

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