Geoscience in Your State: Nebraska
By the numbers: Nebraska

- 2,245 geoscience employees (excludes self-employed)
- 5.82 billion gallons/day: total groundwater withdrawal
$192 million: value of nonfuel mineral production in 2017

60 total disaster declarations, including 27 severe storm, 18 flood, and 5 fire disaster disasters (1953-2017)

$1.05 million: NSF GEO grants awarded in...

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

Agencies Working on Geoscience Issues in Nebraska

Nebraska Department of Environmental Quality
http://deq.ne.gov/
The Nebraska Department of Environmental Quality was created pursuant to passage of the Nebraska Environmental Protection Act in 1971. Although the Department has grown and been given additional responsibilities over the years, its ongoing mission has remained the same - the protection of Nebraska’s air, land and water resources.

Nebraska Department of Natural Resources
https://dnr.nebraska.gov/
Finding a balance between competing demands is a key to Nebraska’s resource future. Assessing impacts of alternative soil and water management options requires an understanding of complex issues and substantial amounts of reliable data. The Nebraska Department of Natural Resources (NDNR) is committed to providing Nebraska’s citizens and leaders with the data and analyses they need to make wise resource decisions for the benefit of all Nebraskans both now and in the future. The NDNR is a State agency with responsibilities in the areas of: Surface Water, Groundwater, Floodplain Management, Dam Safety, Natural Resources Planning, Water Planning and Integrated Management, Storage of Natural Resources and Related Data, and Administration of State Funds.

Nebraska Emergency Management Agency
https://nema.nebraska.gov/
The Nebraska Emergency Management Agency is charged by state stature to reduce the vulnerabilities of the people and communities of Nebraska from the damage, injury and loss of life and property resulting from natural, technological or man-made disasters and emergencies.

Nebraska Geological Survey
http://snr.unl.edu/csd/
The Survey’s mission is to investigate and record information about Nebraska's geologic history, its rock and mineral resources, the quantity and quality of its water resources, land cover and other aspects of its geography, as well as the nature, distribution and uses of its soils.

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
Dry well usage across the United States

Introduction
Dry wells improve stormwater drainage and aquifer recharge by providing a fast, direct route for rainwater to drain deep into underlying sediment and rock. Dry wells are most common in the western U.S. where clay or caliche layers slow down the natural drainage of water into underlying...

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Webinars & Forums

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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GOLI Online Courses

Water as One Resource
Course Type: GOLI Online Course
View course
This course 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. The course presenters are Ken...

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Research Database Publications