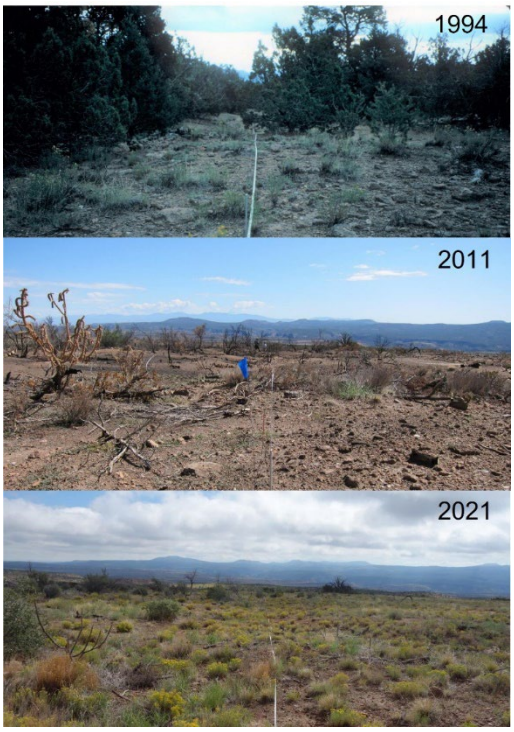
Join us at the 2025 New Mexico Geological Society spring meeting

Friday, April 25, 2025, Macey Center, New Mexico Institute of Mining and Technology, Socorro, NM
Abstract submission opens Wednesday, January 1, 2025
Abstracts deadline: Saturday, April 5, 2025; https://nmgs.nmt.edu/meeting/home.cfml
Registration: $50; students register for free; there is no onsite or late registration
More information? Contact Bonnie Frey (New Mexico Bureau of Geology): 575-835-5160, bonnie.frey@nmt.edu

EARTH SCIENCE, ENVIRONMENTAL CHANGE, AND HEALTH

Sessions



Repeat photos from the Jemez Mountains in 1994, 2011, and 2021, illustrating ecological transformations in a former piñon-juniper woodland in response to warmer drought, insect outbreaks, and severe fire. Image from USGS.

Earth science and health - Rachel Coyte (NMT-EES) and José Cerrato (UNM – Civil Engineering)

- *Keynote session:* This session explores the connections between the earth sciences and human health. Contributions are invited that highlight how factors like air and water quality, resource availability, and natural disasters influence both current and projected health outcomes, disease patterns, healthcare systems, and overall well-being.

Water quality changes in New Mexico - Kim Beisner and Johanna Blake (USGS)

- Human activities and changing climate can have effects on water quality. This session will focus on water quality investigations around New Mexico.

Wildfire and post-fire landscape processes - Jennifer Lindline (New Mexico Highlands University) and Dan Cadol (NMT EES)

- Wildfire is a natural, recurrent process in New Mexico, but historic management practices and climate change have pushed the fire regime into uncharted territory. This session solicits contributions that investigate the geomorphic, hydrologic, ecologic, and social responses to and influences on wildfire.

Water Energy Nexus - Alex Rinehart (NMT EES)

- Water and energy are intertwined in New Mexico, whether considering produced water, protecting drinking water during CO_2 storage, its use in geothermal energy, or the hydrologic impacts of wind- and solar-power manufacturing and deployment. This session solicits contributions for the full suite of energy and energy-related water research being performed in New Mexico.

Climate change and future natural resources - Fred Phillips (NMT EES) and Siânin Spaur (New Mexico Bureau of Geology)

- Rapid changes in global temperature and atmospheric circulation under modern climate change present an unprecedented threat to the availability of vital natural resources such as water, soil, and vegetation communities. This session solicits contributions addressing current and projected changes in natural resources in New Mexico and assessments of their impacts on the state economy and environment.

General geosciences – session leaders to be announced