

Welcome to the 2025 Water Leaders Workshop

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Land Acknowledgement

We respectfully acknowledge our presence on the ancestral and perpetual lands of Indigenous Nations. This place is specifically the traditional homelands of the Chiricahua and Warm Springs Apache.

We acknowledge that we have significant responsibility to honor the ancestral stewards of this land and to celebrate their past, present, and future.

About the New Mexico Bureau of Geology

- Established in 1927 through state legislation.
- As a non-regulatory governmental agency (the state's geological survey), we conduct scientific investigations that lead to responsible economic development of the state's mineral, water, and energy resources.
- We currently have 72 staff members at approximately 68 FTEs, consisting of research scientists, professionals, permanent support staff, and emeritus staff. We also mentor and employ students, and in FY24, we hired 69 full- and part-time undergraduate and graduate students.
- Our office is located on the New Mexico Tech Campus in Socorro (65 staff) and remote personnel (5 staff).
- In FY24, our total budget was approximately 50% from state appropriations and 50% from external contract funding.



New Mexico Bureau of Geology's Mission

- **Conduct research** and interact with state/federal agencies and industry to facilitate the responsible development of the state's energy, mineral, and water resources.
- **Distribute accurate information** to scientists, decision makers, and the New Mexico public about the state's geological infrastructure, mineral and energy resources, and geohydrology (including water quantity and quality).
- **Create accurate, up-to-date maps** of the state's geology and resource potential through the New Mexico STATEMAP Program and Aquifer Mapping Program.



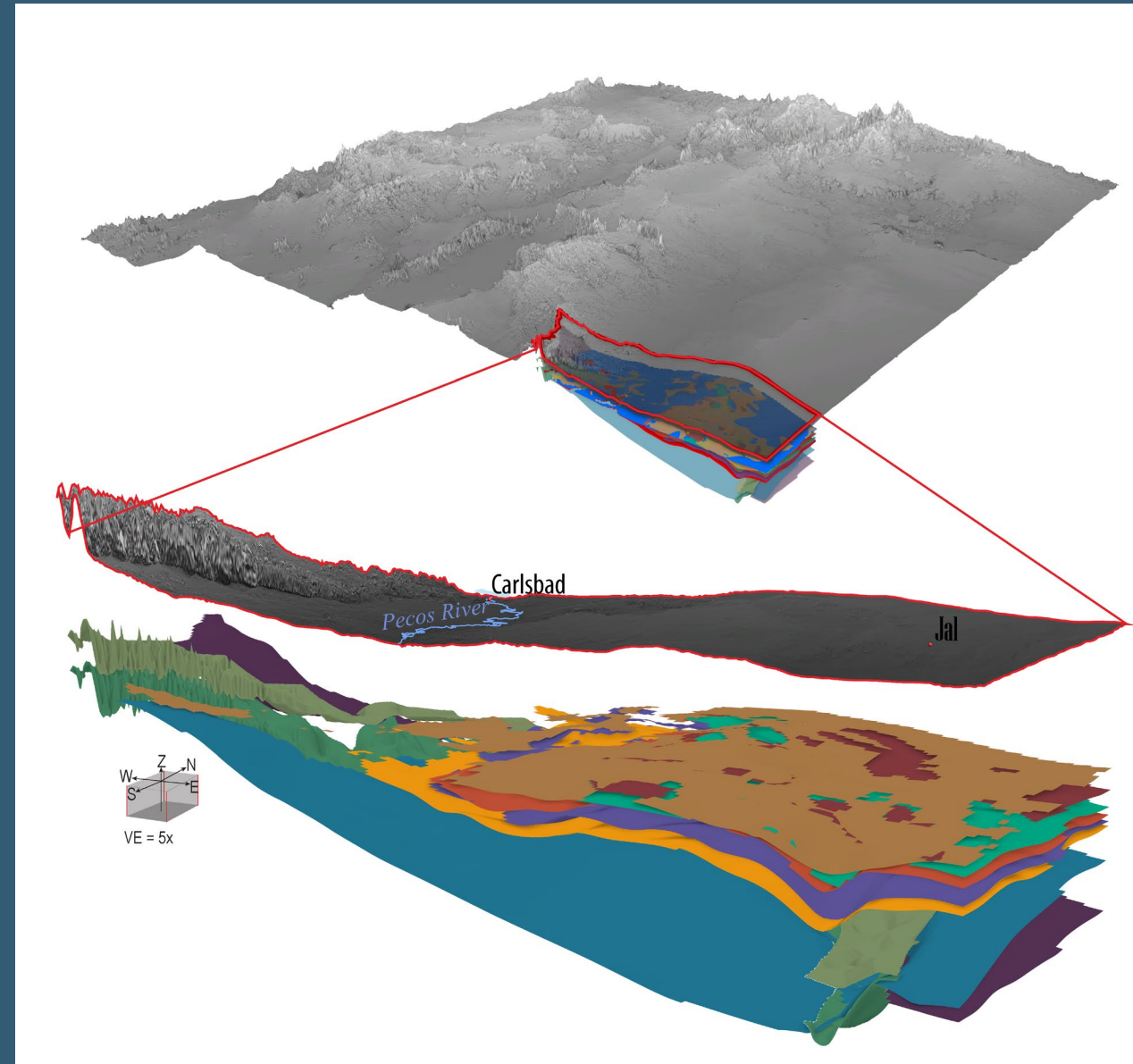
New Mexico Bureau of Geology's Mission

- *Provide timely information on potential geologic hazards*, including earthquakes, volcanic events, soil- and subsidence-related problems, and flooding.
- *Act as a repository of geological data*, including cores, well cuttings, and geophysical logs. Provide convenient physical and online access to these resources for New Mexicans.
- *Provide public education and outreach* through publications, our Mineral Museum, college teaching and advising, and teacher and student training programs.



Programs at the New Mexico Bureau of Geology

- **Geologic mapping and hazards**
 - STATEMAP program
 - Earthquakes, volcanic activity, landslides, and other hazards
- **Hydrogeology**
 - Aquifer Mapping Program
 - New Mexico Water Data Act
 - Water Leaders Education
- **Analytical laboratories**
 - Chemistry/water quality
 - Electron microprobe
 - Geochronology
 - X-ray diffraction

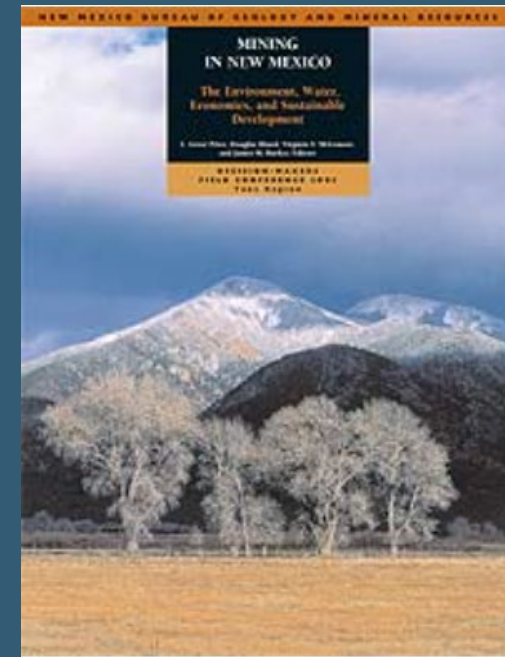
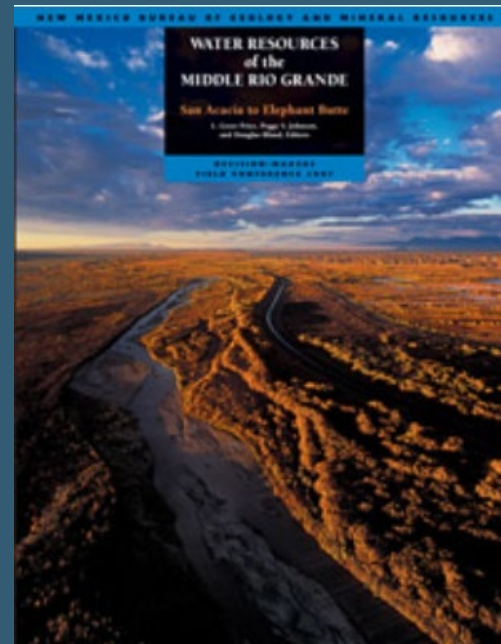


Programs at the New Mexico Bureau of Geology

- **Energy resources**
 - Oil and gas
 - Geothermal
 - Uranium
- **Mineral resources**
 - Critical and strategic minerals
 - Metals
 - Industrial minerals
- **Outreach and education**
 - Mineral Museum
 - Publications
 - Teacher and student training
 - Archives and collections



Decision makers events of the past (2001-2009)



The NEW Water Education Program

- Focused on increasing awareness and education on critical water issues in NM
- Workshops and events are intended for legislators, staff, and state and tribal leaders
- Developed following the model of previous Decision Makers Conferences.



Review the
agenda packet

New Mexico Water Leaders Workshop

April 14–16, 2025
Silver City, New Mexico
REFERENCE BOOK

Hosted by New Mexico Bureau of Geology and Mineral Resources
at New Mexico Institute of Mining and Technology



Plans for the next two days



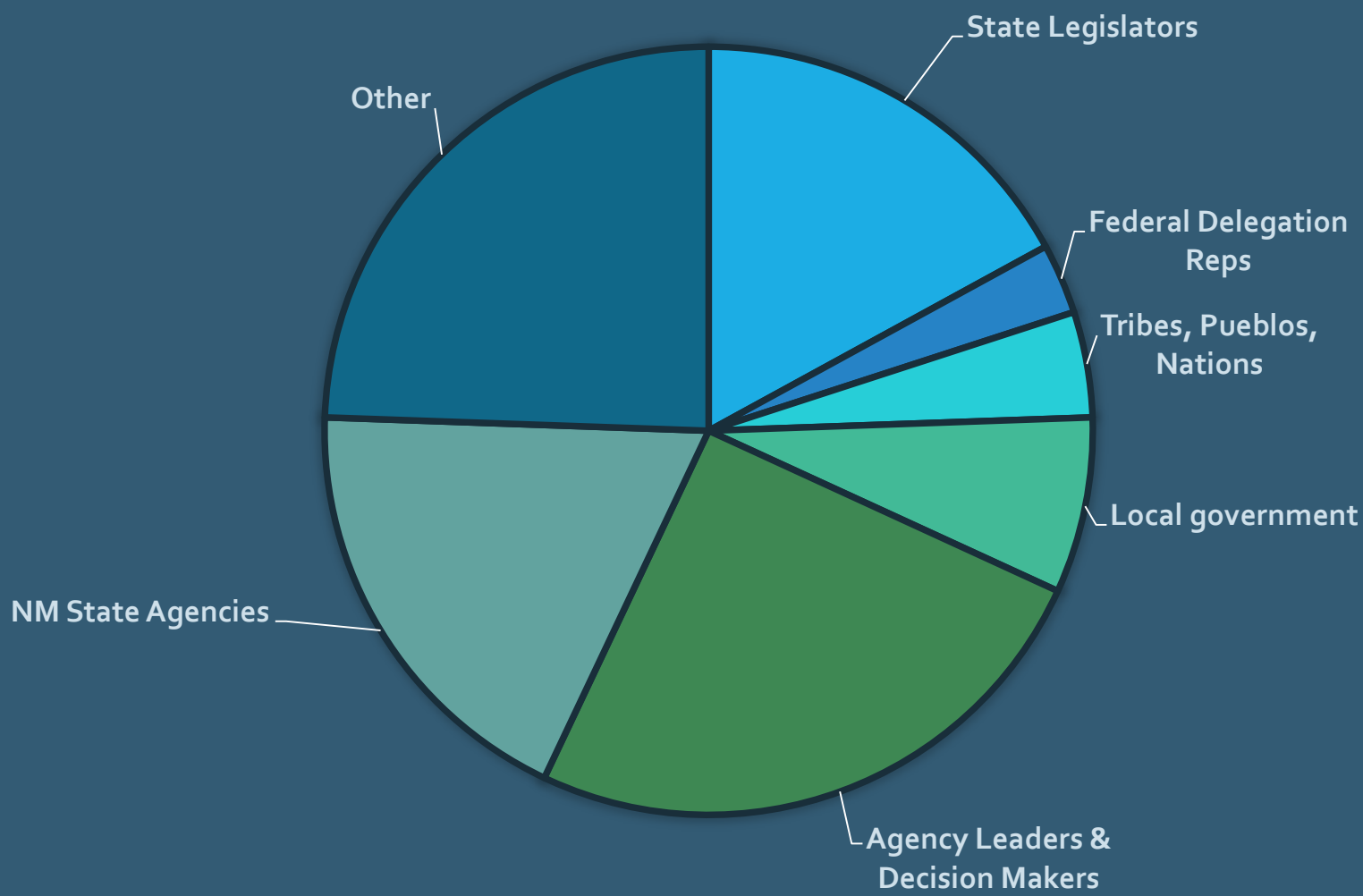
TUESDAY

- Morning – Panel presentations followed by Q&A
- 11:30am to 5:00pm – afternoon field trip with lunch and field presentations, travel by bus
- 5:30pm – Social hour, dinner and keynote presentation at the Murray Hotel

WEDNESDAY

- 7:30am Breakfast at the Grant County Conference Center
- 8am to 10:20am – Panel presentations followed by Q&A
- 10:30am – Depart for the afternoon field trips (lunch provided)
- 10:30am to 1:30pm – Field Trip to Mine Overlook
- 10:30am to 3:30pm – Into the Mine Field Trip

2025 WATER LEADERS WORKSHOP ATTENDEES



PARTICIPANTS

State Legislators	23
Federal Delegation Reps	4
Tribes, Pueblos, Nations	6
Local Government	10
Agency Leaders & Decision Makers	34
NM State Agencies	25
Other	33
TOTAL	135
Presentations	34
Field Trip Sites	7

Thank you!

We are blown away by the interest in these workshops!

Keep an eye out this fall and early spring for information about the 2026 workshop and SIGN UP EARLY!

Photos

- We will be taking photos at times on the field trips or during presentations
- Please let Stacy or Kate know if you DO NOT want to be included in these materials.

Please complete surveys

PRE-WORKSHOP SURVEY

1. Rank your level of understanding of New Mexico's changing climate and impacts to water resources.

Very poor	Poor	Fair	Good	Excellent
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2. Rank your level of understanding of groundwater resources in New Mexico (fresh water, brackish water, and alternative management options).

Very poor	Poor	Fair	Good	Excellent
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3. Rank your level of understanding of the groundwater and surface water interactions and management in the Lower Rio Grande region.

Very poor	Poor	Fair	Good	Excellent
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4. Rank your familiarity with the Rio Grande Compact and the water administration agencies involved.

Not at all familiar	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
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5. Rank your level of understanding of water management, water conservation efforts, and regional collaborations among water users and organizations in the Lower Rio Grande region.

Very poor	Poor	Fair	Good	Excellent
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6. Rank your familiarity with New Mexico's surface water quality regulations.

Not at all familiar	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
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POST-WORKSHOP SURVEY

1. Rank your level of understanding of New Mexico's changing climate and impacts to water resources.

Very poor	Poor	Fair	Good	Excellent
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2. Rank your level of understanding of groundwater resources in New Mexico (fresh water, brackish water, and alternative management options).

Very poor	Poor	Fair	Good	Excellent
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3. Rank your level of understanding of the groundwater and surface water interactions and management in the Lower Rio Grande region.

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7. For future workshops, please list any water topics you would like to learn more about.

- Surveys to help us evaluate learning + note any feedback
- After workshop, we'll send an electronic packet of presentation materials

Rio Chama Experiences

- Guided, educational river trips
- 3 day, 2 night float and camping along the Wild and Scenic section of the Rio Chama
- Openings for July 12-14, 2024
 - Limited seats!
 - Cost: \$75/person
- This year's theme is "New Mexico's water resources – threats and opportunities"
- Please fill out this brief survey if you're interested in joining us!



Thank you

- NMBGMR Director Dr. Mike Timmons and NMBGMR Associate Director for Hydrology Programs Stacy Timmons
- Workshop coordinating team member, Emily Geery
- Martha Cooper (TNC), Allyson Siwik (GRIP)
- Peter Russell (NM ISC), Ali Effati (NM ISC)
- Priscilla Lucero (SWCOG)
- Zanskar Geothermal & Minerals, Inc.
- Laura Phelps & Sharon Offutt – Freeport McMoRan
- NMBGMR staff support
- All presenters and subject matter experts for contributing time to this effort
- Our sponsors: The Water Foundation, Thornburg Foundation, and New Mexico Tech Foundation