



# The Hydrogeologist

Newsletter of the GSA Hydrogeology Division

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## GSA Connects 2024 is Right Around the Corner

GSA Connects, the annual meeting of the Geological Society of America, is just a few weeks away. This year's meeting will be September 22<sup>nd</sup> – 25<sup>th</sup> in Anaheim, California. As in past years, the meeting will kick off with an icebreaker reception on Saturday evening (Sept. 21<sup>st</sup>). The technical program begins on Sunday (Sept. 22<sup>nd</sup>). Some of the field trips and short courses start as early as Thursday (Sept. 19<sup>th</sup>).



Photo from: <https://community.geosociety.org/gsa2024/information/about>

Thanks to all of you who are chairing technical sessions and who are presenting at the meeting. Also, a big thanks to the Hydrogeology Division's Joint Technical Program Committee Representatives, Marty Frisbee and Kathy Knierim, who have coordinated the Division's technical program for the meeting.

In addition to an exciting program of technical talks, the Division will host its usual slate of non-technical events at the meeting including, the Birdsall-Dreiss-LaMoreaux Lecture, the Darcy Lecture, the Division Awards Ceremony, the Career and Mentoring Session, the Student Reception, and the Division's management board and business meetings.

This edition of the Hydrogeologist includes a lot of information and resources for the meeting. Complete details about the meeting can found on the [meeting website](#).



The Hydrogeology Division is celebrating its 65<sup>th</sup> anniversary! In recognition of this milestone there will be cake available at the Division's booth when the Exhibit Hall at GSA Connects opens at 4:30 pm on Sunday.

### Links for information about GSA Connects 2024

- [Registration](#)
- [Searchable program](#)
- [Daily schedule](#)
- [Travel and housing](#)
- [Explore Anaheim](#)
- [Field trips](#)
- [Short courses](#)



# Anaheim

## Chair's Corner

Chris Carlson,  
Chair,  
GSA  
Hydrogeology  
Division



Dear Hydrogeology Community,

September is upon us, with the start of fall academic terms and the upcoming GSA Connects meeting in Anaheim (22-25 September). I hope you had a good summer, were able to take some time off, get important field and lab work done, and vote in the Division's recent election for 2nd Vice Chair, Diversity Equity and Inclusion Coordinator, and 1st Year Student Representative. GSA is now tallying the votes and results will be announced at our Business Meeting at Connects, on our website, and in the Winter Issue of the Hydrogeologist.

The GSA Connects meeting is always a personal highlight of the fall season for me. Your Division volunteers have been hard at work planning a great technical and non-technical program for this year's Connects, and I am hoping you will be able to join us in Anaheim. Elsewhere in this issue you will find details on the over 40 topical sessions related to hydrogeology, including climate, karst, soils, managed and natural recharge, alpine hydrogeology, coastal hydrogeology, geophysics, and more. The Division is also sponsoring two field trips, two Pardee Keynote sessions, and our traditional discipline sessions. Big thanks go to Marty Frisbee and Kathy Knierim, our Division Joint Technical Program Committee representatives, for all their hard work. Among all the exceptional opportunities in the technical program, please note the Hydrogeology Undergraduate Research poster session on Sunday afternoon with prizes going to the top three posters, the Darcy Lecture on Monday afternoon, and the Birdsall-Dreiss-LaMoreaux (B-D-L) Lecture on Tuesday afternoon.

Our non-technical program at Connects is mostly focused on Tuesday, September 24. The Division BYO lunch and Awards Ceremony kicks off the activities at 11:30am. The Annual Division Business Meeting will follow immediately afterward at 1:30pm in the same room. At the Business Meeting, in addition to announcing the results of our annual election, we will discuss the Division's annual report to GSA Council and other topics (please reach out to me directly if you have items to add to the agenda). At 3:30pm, the Division will host our annual Career and Networking Event, co-sponsored by the GSA Engineering and Environmental Geology Division, where students and early career professionals can talk with mentors and learn more about potential career paths in different sectors. Following the B-D-L Lecture on Tuesday evening, the Division hosts the annual Student Reception, where students join together into teams for an exciting trivia game to win fabulous prizes.

We will again have a table at GSA HQ in the Exhibit Hall, where we will have Division brochures and stickers available. We will also have brand-new Division merch available for sale – hats and bandanas so you can champion your home team at the meeting, in the field, and wherever you may wander. Please stop by!

It is hard to believe that my year as chair of your Division is drawing to a close at the end of Connects. It has been both an honor and quite humbling to follow in the footsteps of so many that have contributed so much to our field and our Division. In my role, I have gained an amazing perspective on the many, many folks volunteering their time to enable the organization to serve you - the members. Whether serving as Management Board, Committee members, in appointed positions, or just stepping in to fill voids, these volunteers are the ones that make it all happen. At the end of Connects, Don Rosenberry, current 1st Vice Chair, will be taking over as Chair, and Richelle Allen-King, current 2nd Vice Chair, will be stepping in as 1st Vice Chair. Sue Swanson, Chris Gellasch and Desire Phipps have served their terms with distinction and will be rotating off the Management Board. Cara Peterman-Phipps, Marcia Schulmeister, and Megan Jones will be continuing next year. Tara Root has been holding down both the newsletter and the student prize solicitation for many years. Mike Sukop and Natajah Fuller have kept our website going. And there are many others and not enough space here to list all of them. I really cannot thank them enough.

The Division will also be holding two Management Board meetings at Connects – one Sunday afternoon and the other Wednesday morning, and all Members are welcome to join us. You will be able learn more about how the Division works and how you can help. There are many roles that could benefit from your time and talents. If you cannot make it to one of the Board meetings, please reach out to me or anyone else on the Board for more information.

I hope to see you in Anaheim!

Chris Carlson

## Division Sponsored/Co-Sponsored Technical Events at GSA Connects 2024

Note: The [online program](#) is the most up-to-date source for the meeting schedule.

### Sunday, 22 September 2024

#### [T95. Using Geologic Context to Improve Hydrogeologic Characterizations](#)

- 8:00 AM - 12:00 PM
- 209B (ACC)

#### [T83. Groundwater Pollution with Arsenic and Other Geogenic Legacy Contaminants, Related Health Risks and Management I: Advancing Learning through Geospatial Tools, Machine Learning, Data Science, and Artificial Intelligence](#)

- 8:00 AM - 12:00 PM
- 211A (ACC)

#### [T54. The Cryosphere & Mountain Hydrology, Past and Present and Future](#)

- 8:00 AM - 12:00 PM
- 210C (ACC)

#### [T150. Critical Zone Science: Intersection of Processes Linked to Geomorphology, Ecology and Climate](#)

- 8:00 AM - 12:00 PM
- 207D (ACC)

#### [T19. Environmental Geochemistry and Health \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

#### [T40. Human Dimensions of Geoheritage \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

#### [T95. Using Geologic Context to Improve Hydrogeologic Characterizations \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

#### [T82. A Showcase of Undergraduate Research in Hydrogeology \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

#### [T54. The Cryosphere & Mountain Hydrology, Past and Present and Future \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

#### [T150. Critical Zone Science: Intersection of Processes Linked to Geomorphology, Ecology and Climate \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

#### [T72. Geoscience Outreach Involving Undergraduates and High School Students Continues to Pique Interest and Build Cohort: Revelations from Longitudinal Tracking 2004-2023 \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

#### [T83. Groundwater Pollution with Arsenic and Other Geogenic Legacy Contaminants, Related Health Risks and Management II: Advancing Learning through Geospatial Tools, Machine Learning, Data Science, and Artificial Intelligence](#)

- 1:30 PM - 5:30 PM
- 211A (ACC)

#### [T19. Environmental Geochemistry and Health](#)

- 1:30 PM - 5:30 PM
- 210D (ACC)

#### [T40. Human Dimensions of Geoheritage](#)

- 1:30 PM - 5:30 PM
- 209A (ACC)

**Sunday, 22 September 2024, continued**[T158. Using 3-D Geological Models to Explore Geologic Processes, Assess Natural Resources and Hazards, and Meet Societal Needs](#)

- 1:30 PM - 5:30 PM
- 304B (ACC)

**Monday, 23 September 2024**[P1. Redefining Wildfire in the Anthropocene](#)

- 8:00 AM - 12:00 PM
- Ballroom A&B (ACC)

[T90. Groundwater Monitoring by State Geological Surveys: The Backbone for Monitoring the Nation's Groundwater](#)

- 8:00 AM - 12:00 PM
- 211B (ACC)

[T91. Groundwater Sustainability in Times of Climate and Human Uncertainties](#)

- 8:00 AM - 12:00 PM
- 207C (ACC)

[T21. Advances in Environmental Geochemistry I: Honoring the Scientific Contributions of Charles N. Alpers](#)

- 8:00 AM - 12:00 PM
- 210D (ACC)

[D8. Groundwater Recharge and Unsaturated-zone Processes at Local and Regional Scales: A Reflection on Rick Healy's Legacy](#)

- 8:00 AM - 12:00 PM
- 211A (ACC)

[T155. Recent Advances in Soil and Paleosol Science](#)

- 8:00 AM - 12:00 PM
- 209B (ACC)

[T47. Respectful Approaches in Geoscience Contexts for Supporting Indigenous Communities \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T104. Cenozoic Lakes Across Western North America – from the Varved Beds of the Green River Formation to the Ice-Covered Alpine Lakes of the Sierra Nevada \(Posters\)](#)

- 8:00 AM – 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T83. Groundwater Pollution with Arsenic and Other Geogenic Legacy Contaminants, Related Health Risks and Management: Advancing Learning through Geospatial Tools, Machine Learning, Data Science, and Artificial Intelligence \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

[T85. Status of the Headwaters in our Changing World: Springs and Base Flow \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

[D8. Groundwater Recharge and Unsaturated-zone Processes at Local and Regional Scales: A Reflection on Rick Healy's Legacy \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

[P2. Sustainable Groundwater in a Changing World](#)

- 1:30 PM - 5:30 PM
- Ballroom A&B (ACC)

[T21. Advances in Environmental Geochemistry II: Honoring the Scientific Contributions of Charles N. Alpers](#)

- 1:30 PM - 5:30 PM
- 210D (ACC)

**Monday, 23 September 2024, continued**[T104. Cenozoic Lakes Across Western North America – from the Varved Beds of the Green River Formation to the Ice-Covered Alpine Lakes of the Sierra Nevada](#)

- 1:30 PM - 5:30 PM
- 213B (ACC)

[T88. Use of Oil and Gas Production Wastes Outside the Oil Field: Lab, Field, and Modeling Studies of Potential Impacts](#)

- 1:30 PM - 5:30 PM
- 211B (ACC)

[T97. New Frontiers in Cave and Karst Science](#)

- 1:30 PM - 5:30 PM
- 212B (ACC)

[T47. Respectful Approaches in Geoscience Contexts for Supporting Indigenous Communities](#)

- 1:30 PM - 5:30 PM
- 209B (ACC)

**Tuesday, 24 September 2024**[T101. Karst Sedimentary, Paleoclimate, and Historical Records](#)

- 8:00 AM - 11:05 AM
- 212B (ACC)

[T85. Status of the Headwaters in our Changing World: Springs and Base Flow](#)

- 8:00 AM - 12:00 PM
- 210C (ACC)

[T94. The Use of Managed Aquifer Recharge to Enhance Groundwater Supplies](#)

- 8:00 AM - 12:00 PM
- 211B (ACC)

[T96. Hydrogeology in Support of Integrated Water Management](#)

- 8:00 AM - 12:00 PM
- 211A (ACC)

[T60. Near Surface Geophysics to Solve Geological Problems](#)

- 8:00 AM - 12:00 PM
- 303A (ACC)

[T27. Geoarchaeology of Landesque Capital: Current Research on Long-term Water and Soil Management](#)

- 8:00 AM - 12:00 PM
- 207D (ACC)

[T21. Advances in Environmental Geochemistry: Honoring the Scientific Contributions of Charles N. Alpers \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T50. Advances in Arid Lands Geomorphology \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T78. Geoscience and Hydrology of Your Public Lands: STEM Internships, Research, Science, Mapping, Resource Management, and Education \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[D7. Groundwater - Surface Water Interactions: from Sediment-water Interface to Watersheds and Responses to Climate, Landuse, and Other Changes \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T60. Near Surface Geophysics to Solve Geological Problems \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

**Tuesday, 24 September 2024, continued**[T100. Karst Hydrology and Hydrogeology \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

[T97. New Frontiers in Cave and Karst Science \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

[T103. Lakes of the World Through Time and Space — Archives of Climate, Paleoenvironments, Ecosystems, Geohazards, and Economic Resources \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

[T97. New Frontiers in Cave and Karst Science \(Lightning Talks\)](#)

- 11:05 AM - 12:00 PM
- 212B (ACC)

[T50. Advances in Arid Lands Geomorphology](#)

- 1:30 PM - 5:30 PM
- 210B (ACC)

[T103. Lakes of the World Through Time and Space — Archives of Climate, Paleoenvironments, Ecosystems, Geohazards, and Economic Resources](#)

- 1:30 PM - 5:30 PM
- 213B (ACC)

[T78. Geoscience and Hydrology of Your Public Lands: STEM Internships, Research, Science, Mapping, Resource Management, and Education](#)

- 1:30 PM - 5:30 PM
- 209A (ACC)

**Wednesday, 25 September 2024**[T67. Whither Geoscience?](#)

- 8:00 AM - 12:00 PM
- 208A (ACC)

[T86. Coastal Hydrogeology in an Age of Rising Seas](#)

- 8:00 AM - 12:00 PM
- 211A (ACC)

[D7. Groundwater - Surface Water Interactions I: from Sediment-water Interface to Watersheds and Responses to Climate, Landuse, and Other Changes](#)

- 8:00 AM - 12:00 PM
- 211B (ACC)

[T91. Groundwater Sustainability in Times of Climate and Human Uncertainties \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T155. Recent Advances in Soil and Paleosol Science \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T96. Hydrogeology in Support of Integrated Water Management \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T151. Geologic Research in the Cascades: Understanding Glacier Change, Geologic Hazards, and Mountain Hydrology along an Active Margin in a Changing Climate \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 9:00 – 11:00 AM
- Hall D (ACC)

[T67. Whither Geoscience? \(Posters\)](#)

- 8:00 AM - 5:30 PM; Presenters available from 3:30 – 5:30 PM
- Hall D (ACC)

## Non-technical Division Events at GSA Connects 2024



### Hydrogeology Division Management Board Meeting I

Sunday, September 22<sup>nd</sup>, 2024  
1:30 – 4:00 PM  
312 (Marriott)



### 2024 Henry Darcy Lecture

Monday, September 23<sup>rd</sup>, 2024  
5:30 – 6:30 PM  
204C (ACC)

The National Groundwater Association's 2024 Darcy Lecturer, Dr. Matthew, will present his lecture titled **The Importance of Groundwater to the People and Ecosystems of the Pacific Islands**.



### Hydrogeology Division Bring Your Own Lunch and Awards Ceremony

Tuesday, September 24<sup>th</sup>, 2024  
11:30 – 1:30 PM  
Ballroom D (3, ACC)

This will be a non-ticketed bring your own lunch event. Please grab a lunch from a vendor in or near the convention center and help us celebrate this year's award winners! Everyone is welcome to stay for the division's business meeting immediately following the Awards Ceremony.



### Hydrogeology Division Business Meeting

Tuesday, September 24<sup>th</sup>, 2024  
1:30 – 2:30 PM  
Ballroom D (3, ACC)



### Hydrogeology Division Career and Networking Event

Tuesday, September 24<sup>th</sup>, 2024  
3:30 – 5:00 PM  
Ballroom D (3, ACC)

**Students**, join us for this opportunity to meet with professionals from a variety of agencies, institutions, and companies for discussions about career paths in the field of Hydrogeology.

### GSA Presidential Address and Awards Ceremony

Sunday, Sept. 22<sup>nd</sup>, 2024  
12:00 – 1:30 PM  
Ballroom A & B (ACC)

We hope to see you at this year's Presidential Address and Awards Ceremony where several members of the Hydrogeology Division will be recognized as new GSA Fellows. Note that the Division's Sunday Management Board Meeting has been scheduled from 1:30 – 4:00 pm to avoid conflicting with the Presidential Address and Awards Ceremony.

## Non-technical Division Events at GSA Connects 2024, cont.



### 2024 Birdsall-Dreiss-LaMoreaux International Lecture

Tuesday, September 24<sup>th</sup>, 2024  
5:00 - 6:00 PM  
Ballroom D (3, ACC)

GSA's 2024 Birdsall-Dreiss-LaMoreaux International Lecturer, Dr. Ben Rostron will present his lecture titled **Lithium in Brines (Duperow Aquifer) in Southeast Saskatchewan: A Modern-Day Gold Rush.**



### Hydrogeology Division Student Reception

Tuesday, September 24<sup>th</sup>, 2024  
6:00 PM - 8:00 PM  
Ballroom D (3, ACC)

**Students**, join us for free food, beverages, games, prizes, and networking. It doesn't get any better than this! The prizes available this year include the following analytical services and software licenses. We like to ensure that these prizes go to students whose research will benefit from them. So, students, we encourage you to talk with your advisor if you are unsure whether these will be useful for you.

- voucher for SF<sub>6</sub>/CFC analyses
- voucher for tritium analyses
- voucher for δ<sup>18</sup>O + δ<sup>2</sup>H analyses
- license for either [AqQA](#) or [RockWorks2024](#) (2 of these will be available)
- single-user, one-year license for the following [Waterloo Hydrogeologic](#) software products: Visual MODFLOW Flex Pro, AquaChem, and AquiferTest Pro
- license for Groundwater Vistas (3 of these will be available)
- one-year license for [GMS](#) MODFLOW Pro

In addition to the above, we have a lot of books (some of them author-signed!), free GSA memberships, t-shirts and other swag to give away. The Hydrogeology Division thanks all of those who donate prizes for our student reception. A full listing of donors will appear in the Winter 2025 edition of the Hydrogeologist. Students, help us thank our donors by filling out the thank you card attached to your prize and leaving it in the boxes provided at the student reception.



### Hydrogeology Division Management Board Meeting II

Wednesday, September 25<sup>th</sup>, 2024  
7:00 AM - 9:00 AM  
Salon 1 (Marriott)

### It's not too late to donate to the Student Reception!

- Do you work for a company that can contribute a few give-away items (hats, t-shirts, other swag)?
- Do you work for a lab that can contribute vouchers for analyses?
- Have you authored a book that you can provide a copy of?

Feel free to drop any donations for the Student Reception off at the Division's Booth at GSA Connects. To be available for the reception, items need to be received at booth before the exhibit hall closes on Monday. Donations mailed to Tara Root by Sept. 17<sup>th</sup> will also be available at the reception. Contact Tara Root, [troot1@gmail.com](mailto:troot1@gmail.com), for shipping information or for any questions related to donating to the Student Reception.

## Congratulations to the Hydrogeology Division's 2024 Award Winners!

For those you attending GSA Connects, grab a lunch or snack and us join on Tuesday, September 24<sup>th</sup> from 11:30 – 1:30 in Ballroom D of the Anaheim Convention Center for the Division's Award Ceremony. Be sure to check out the Winter 2025 edition of the newsletter for summaries of the citations for the award winners and photos from the ceremony.

The **O.E. Meinzer Award** is given in recognition of authoring publications that have significantly advanced the science of hydrogeology or a closely related field. **Dr. Douglas Kip Solomon**, Professor, The University of Utah is the recipient of the 2024 O.E. Meinzer Award.

The **Kohout Early Career Award** is presented to a distinguished early career scientist for outstanding contributions to the hydrogeologic profession and service and for demonstrated potential for continued excellence in their career. **Dr. Julia Guimond**, Assistant Scientist, Woods Hole Oceanographic Institution is the recipient of the 2024 Kohout Early Career Award.

The **George Burke Maxey Distinguished Service Award** is given in recognition of exemplary service to the hydrogeology profession and the GSA Hydrogeology Division. **Dr. Abhijit Mukherjee**, Professor, Indian Institute of Technology - Kharagpur, India is the recipient of the 2024 George Burke Maxey Award.

The **Schwartz Award for Excellence in Mentoring and Education** recognizes distinguished service to the hydrogeology profession and the GSA Hydrogeology Division with respect to mentoring and education. **Dr. Richard Parizek**, Professor Emeritus of Geoscience, Penn State University is the 2024 recipient of the Schwartz Award.

The **Birdsall-Dreiss-LaMoreaux Lecturer** is selected based on outstanding contributes to hydrogeology or a closely related field through original research and public communication and the potential for continued contributions to the profession. **Dr. M. Bayni Cardenas**, Professor, Jackson School of Geosciences, University of Texas at Austin, is the 2025 Birdsall-Dreiss-LaMoreaux Lecturer. Details about Dr. Cardenas' lectures and about requesting a lecture at your institution can be found [here](#).



**Let's Make GSA Connects 2024 a Respectful, Inclusive Scientific Event (RISE)!**

GSA takes pride in offering safe, professional, inclusive events in which participants with diverse backgrounds and points of view feel welcome and can count on being treated with dignity and respect. The full GSA Events Code of Conduct can be found [here](#).

Do you have an interesting idea for a short scientific article? Perhaps an opinion on a new policy or technique? Any exciting news in your professional life? Upcoming conference? An announcement of interest to the hydrogeology community? A photo that you think would be good for our "Where in the World" feature? If so, why not publish it in the hydrogeologist? Send your submission ideas to [troot@usgs.gov](mailto:troot@usgs.gov).

**STUDENTS, WE WANT TO  
HEAR FROM YOU TOO!**

## Secretary's Corner

By Cara Peterman-Phipps, PhD

A few notes and tidbits from the Secretary.

As our annual conference approaches, now is a good time to share some information along with a few reminders.

Our annual Career and Networking Event is on Tuesday afternoon, September 24th, and the Division need mentors with several years' experience to participate. This event is very popular among students and early career professionals as it's a chance to meet and talk with established professionals about classes they found useful, hurdles they've overcome when starting out and how they did it, interviewing tips, and so on. If you are interested or know of someone who might be interested in being a mentor, please contact Cara Peterman-Phipps at [cphipp@usgs.gov](mailto:cphipp@usgs.gov) - sooner is better, but volunteers are welcome through the start of the event.

Reminder, our division's annual awards ceremony is also on Tuesday, immediately preceded by a 'Bring Your Own Lunch' event where there is an opportunity for everyone to visit beforehand. GSA has told us that there will be food trucks located outside the venue and any food purchased there will be allowed into the conference center. Please make sure to bring your lunch with you to the room. As in years past, the Division will have some beverage and dessert options available. We are prohibited from bringing in other outside food.

In closing, while we plan for the upcoming GSA Connects, now is a good time to start planning award nominations for 2025! Without your efforts to develop and submit nominations to recognize colleagues for their contributions to our science, the Division will be unable to present awards.

I look forward to seeing everyone soon!

Kind regards, Cara

## Get to Know Your Section Representative

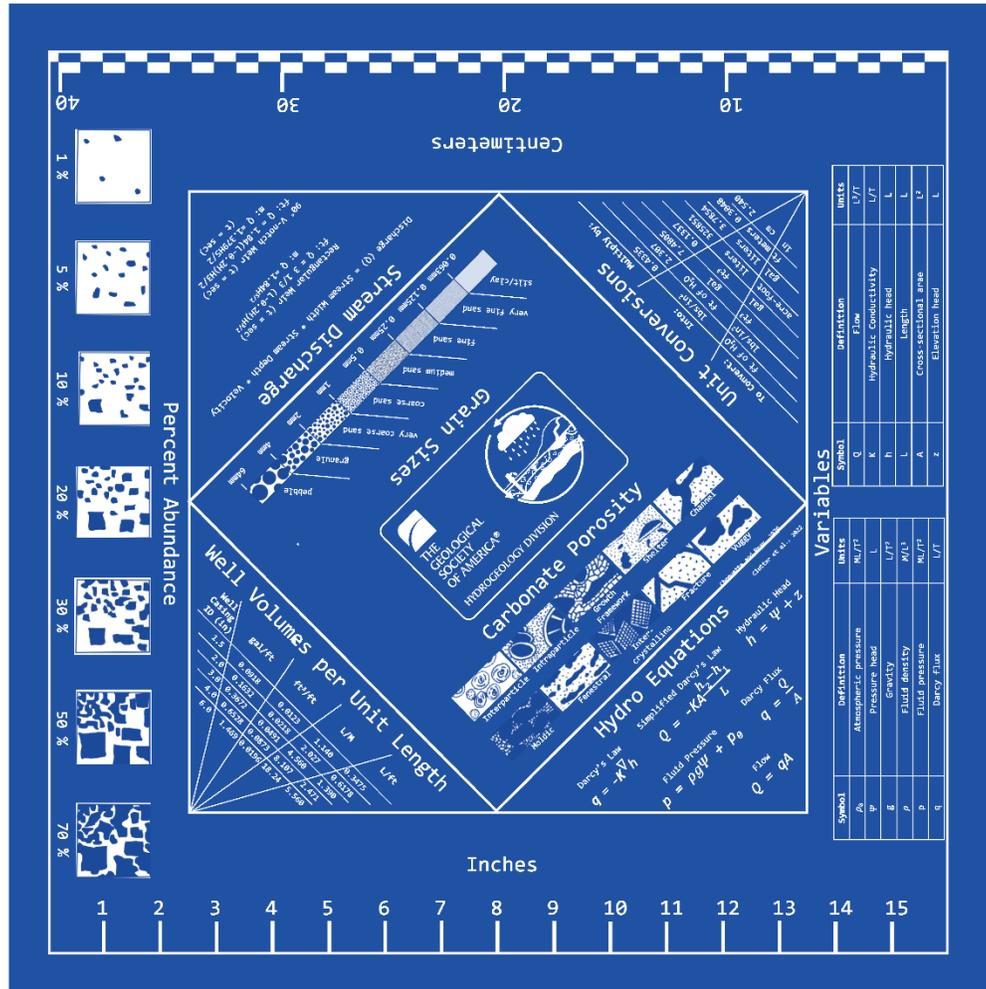
Jerry Fairley – Hydrogeology Division Representative to the GSA Rocky Mountain Section



Jerry Fairley has ten years of professional experience as a hydrogeologist and modeler, working for companies such as Woodward-Clyde FS, Converse Consultants SW, and Lawrence Berkeley National Laboratory. He is a licensed Professional Geologist, and currently sits on the Idaho Board of Professional Licensure (Geology). Since earning his PhD from the University of California, Berkeley in July 2000, he has been a professor of geology/hydrogeology at the University of Idaho, where his primary research areas have been fault hydrology, geothermal systems, and arid-regions hydrology. He served as co-chair (with C. Pritchard/EWU, P. Larsen/WSU, and T. Williams/UI) for the 2024 joint Rocky Mountain/Cordilleran Regional GSA meeting in Spokane, WA which, by his estimation, was wildly successful at connecting regional and national practitioners, researchers, and students across a variety of subdisciplines of geology. Currently, he is the GSA Hydrogeology Division representative for the Rocky Mountain region, and is looking forward to the upcoming national meeting, GSA Connects, in Anaheim, CA. Look for him at the Hydrogeology Business meeting, or stop by the University of Idaho booth in the Campus Connections area to introduce yourself and ask about his research into Inca, Maya, and Olmec water resource management technologies!

## Check Out the Hydrogeology Division's New Gear!

Both the bandana (\$15) and hat (\$25) pictured below will be available for purchase at the Hydrogeology Division booth at GSA Connects. Cards only, no cash purchases. Limited quantities available – stop by the booth and get your Division gear while it's available!



## Where in the World is This?



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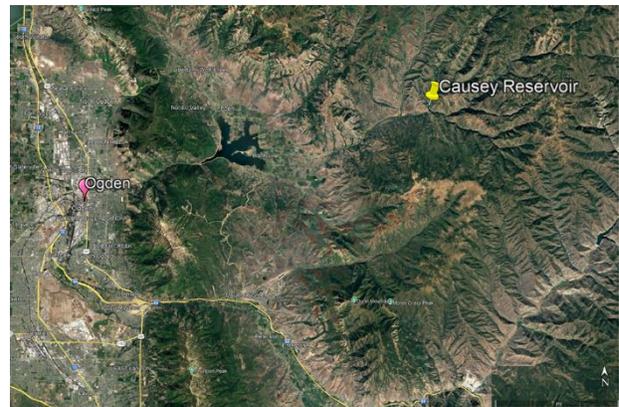
Think you know where this is?  
Email your guess to [troot@usgs.gov](mailto:troot@usgs.gov).

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## Where in the World Was That?



The “Where in the World” in the summer 2024 edition of the *Hydrogeologist* was the Causey Reservoir near Ogden, Utah. This 142-acre reservoir is on the south fork of the Ogden River. Its average depth is 65 ft, but it reaches a maximum depth of 182 ft. The reservoir is at an elevation of 5,700 ft. The earthen dam was constructed by the Bureau of Reclamation between 1962 and 1966 to provide water to the north Wasatch front. No motorized boats are allowed on Causey Reservoir, and it is popular destination for kayaking and fishing. This photo of the frozen reservoir was taken in the month of December.



## From the Editor

Welcome to the fall 2024 edition of *The Hydrogeologist* (no. 113). It's difficult to believe that it is already September and that GSA Connects is just a few weeks away. This edition of *The Hydrogeologist* focusses on sharing information about the upcoming meeting. For those of you going to the meeting, I hope you find that information useful.

In addition to all the information about GSA Connects, be sure to check out the Secretary's Corner (p. 10), Get to Know Your Section Representative (p. 10), and the Where in the World photos (pp. 11-13).

The winter edition of *The Hydrogeologist* will include a summary of Division events at GSA Connects. We always like to include a lot of photos from the meeting in the Winter edition. So, if you take any photos you particularly like, please share them with them me.

Also, always free to share any ideas you have for improving the newsletter with me.

Regards,

Tara Root (troot@usgs.gov)

**Stay current on developments in the Hydrogeology Division by joining our Facebook group, following us on Instagram, and tweeting us @GSAHydrogeology!**

Facebook: <https://www.facebook.com/groups/93897080123/>

Instagram: [https://www.instagram.com/gsa\\_hydrogeology/](https://www.instagram.com/gsa_hydrogeology/)

Twitter: <https://twitter.com/GSAHydrogeology>

# Important Dates

- [GSA Virtual Volunteer Fair](#) **Sept. 4, 2024**
- [GSA Connects 2024](#) **Sept. 22-25, 2024**
- [Association of Earth Science Editors \(AESE\) 58<sup>th</sup> Annual Meeting](#) **Oct. 2-6, 2024**
- Deadline for [AGeS-TRaCE](#) program **Oct. 8, 2024**
- [Earth Science Week](#) **Oct. 13-19, 2024**
- [International EarthCache Day](#) **Oct. 13, 2024**
- [NPS Scientist in the Parks](#) summer positions Posted **Dec. 1, 2024**
- [GeoCorps America](#) summer positions Posted **Dec. 1, 2024**
- [GSA Graduate Student Research Grant](#) program opens to applications **Dec. 1, 2024**

SEPTEMBER 2024						
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DECEMBER 2024						
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### THE HYDROGEOLOGIST

The Hydrogeologist is a publication of the Hydrogeology Division of the Geological Society of America. It is published electronically three times a year to communicate news of interest to members of the Hydrogeology Division and can be accessed at:

<https://community.geosociety.org/hydrodivision/home>. Members of the Hydrogeology Division who have electronic mail will receive notification of all new issues. Other members will receive paper copies.

Contributions and material are most welcome and should be directed to the Editor. The deadline for the winter issue is November 30<sup>th</sup>, 2024.

Tara Root, Editor  
 The Hydrogeologist  
 US Geological Survey  
 Caribbean-Florida Water Science Center  
 3321 College Ave.  
 email: [troot@usgs.gov](mailto:troot@usgs.gov)  
 Davie, FL 33314  
 phone: 954-401-3921

### Important Announcement!!!

If you paid for a lifetime membership, you still need to pay division dues to stay active in division spaces.

## Please consider donating to the GSA Hydrogeology Division!

Click on the **Donate!** button at the top of the division's [webpage](#).



GSA Hydrogeology Division

## Hydrogeology Division Contacts

### 2023-2024 Management Board

- **Chair:** Chris Carlson ([christopher.carlson@usda.gov](mailto:christopher.carlson@usda.gov))
- **First Vice-Chair:** Don Rosenberry ([rosenber@usgs.gov](mailto:rosenber@usgs.gov))
- **Second Vice-Chair:** Richelle Allen-King ([richelle@buffalo.edu](mailto:richelle@buffalo.edu))
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- **Past-Chair:** Chris Gellasch ([chris.gellasch@emich.edu](mailto:chris.gellasch@emich.edu))
- **Diversity, Equity, and Inclusion (DEI) Officer:** Sue Swanson ([sue.swanson@wisc.edu](mailto:sue.swanson@wisc.edu))
- **Section Representatives Coordinator,** Marcia Schulmeister ([mschulme@ku.edu](mailto:mschulme@ku.edu))
- **Senior Student Representative:** Desire Piphus ([piphusdm@gmail.com](mailto:piphusdm@gmail.com))
- **Junior Student Representative:** Megan Jones ([megan\\_jones2003@yahoo.com](mailto:megan_jones2003@yahoo.com))

### Standing Committees

- **Technical Program Committee:** Chair-Marty D. Frisbee ([mdfrisbee@purdue.edu](mailto:mdfrisbee@purdue.edu)), Vice Chair-Kathy Knierim ([kknierim@usgs.gov](mailto:kknierim@usgs.gov)), Past Chair – Paul Stackelberg ([pestack@usgs.gov](mailto:pestack@usgs.gov))
- **Nominating Committee:** Andrea Brookfield ([andrea.brookfield@uwaterloo.ca](mailto:andrea.brookfield@uwaterloo.ca)), Chris Gellasch ([chris.gellasch@emich.edu](mailto:chris.gellasch@emich.edu)), Yu-Feng Lin ([yflin@illinois.edu](mailto:yflin@illinois.edu))
- **Meinzer Award Committee:** Mark Person ([mark.peterson@nmt.edu](mailto:mark.peterson@nmt.edu)), Holly Michael ([hmichael@udel.edu](mailto:hmichael@udel.edu)), Beth Parker ([bparker@uoguelph.ca](mailto:bparker@uoguelph.ca)), Carl Mendoza ([carl.mendoza@ualberta.ca](mailto:carl.mendoza@ualberta.ca)), Jimmy Jiao ([jjiao@hku.hk](mailto:jjiao@hku.hk))
- **Kohout Early Career Committee:** Sam Zipper ([samzipper@ku.edu](mailto:samzipper@ku.edu)), Margaret Zimmer ([mzimmer@ucsc.edu](mailto:mzimmer@ucsc.edu)), Chen Zhu ([chenzhu@indiana.edu](mailto:chenzhu@indiana.edu)), Christa Kelleher ([ckellehe@syr.edu](mailto:ckellehe@syr.edu))
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- **Birdsall-Dreiss Lecturer Committee:** Ken Belitz ([kbelitz@usgs.gov](mailto:kbelitz@usgs.gov)), Randy Stotler ([randy.stotler@uwaterloo.edu](mailto:randy.stotler@uwaterloo.edu)), Yu-Feng Lin ([yflin@illinois.edu](mailto:yflin@illinois.edu)), Barbara Bekins ([babekins@usgs.gov](mailto:babekins@usgs.gov)), Abe Springer ([Abe.Springer@nau.edu](mailto:Abe.Springer@nau.edu))
- **Schwartz Award Committee:** Alan Fryar ([alan.fryar@uky.edu](mailto:alan.fryar@uky.edu)), Rachel Rotz ([rotz@fqu.edu](mailto:rotz@fqu.edu)), Ken Bradbury ([ken.bradbury@wisc.edu](mailto:ken.bradbury@wisc.edu))
- **Archives:** Jim Thomas ([Jim.Thomas@dri.edu](mailto:Jim.Thomas@dri.edu))

### GSA Councilor/Division Liaison Representative

Brian Katz ([bg\\_katz@hotmail.com](mailto:bg_katz@hotmail.com))

### Ad Hoc Committees

#### **Section Representatives:**

Cordilleran, Paul Stackelberg ([pestack@usgs.gov](mailto:pestack@usgs.gov))  
 Northeastern, Patrick Burkhart ([patrick.burkhart@sru.edu](mailto:patrick.burkhart@sru.edu))  
 North-central, vacant  
 South-central, vacant  
 Rocky Mountain, Greg Carling ([greg.carling@byu.edu](mailto:greg.carling@byu.edu))  
 Southeastern, Steve Baedke ([baedkesj@jmu.edu](mailto:baedkesj@jmu.edu))  
 International, Prosun Bhattacharya ([prosun@kth.se](mailto:prosun@kth.se))

#### **Representatives to Other Societies:**

American Geophysical Union, vacant  
 American Geosciences Institute, David Wunsch ([dwunsch@udel.edu](mailto:dwunsch@udel.edu))  
 CUAHSI, Holly Michael ([hmichael@udel.edu](mailto:hmichael@udel.edu))  
 National Groundwater Association, Bill Alley ([walley@ngwa.org](mailto:walley@ngwa.org))  
 International Association of Hydrogeologists, Jack Sharp ([jmsharp@mail.utexas.edu](mailto:jmsharp@mail.utexas.edu))  
 SEPM, Gary Weissman ([weissman@unm.edu](mailto:weissman@unm.edu))  
 American Institute of Professional Geologists, Chris Gellasch ([chris.gellasch@emich.edu](mailto:chris.gellasch@emich.edu))  
 Soil Science Society of America, Michael Young ([Michael.young@beg.utexas.edu](mailto:Michael.young@beg.utexas.edu))

#### **Communications:**

Website Administrator, Mike Sukop ([sukopm@fiu.edu](mailto:sukopm@fiu.edu))  
 Website Administrator Assistant, Natajah Fuller  
 Newsletter (The Hydrogeologist) Editor, Tara Root ([troot@fau.edu](mailto:troot@fau.edu))  
 Newsletter Assistant, Riliwan Damilola Abioye ([rabiye@seoe.sc.edu](mailto:rabiye@seoe.sc.edu))  
 Newsletter Assistant, Rakesh Kumar ([rakesh.hydrology@gmail.com](mailto:rakesh.hydrology@gmail.com))  
 Social Media Manager, Desire Piphus ([piphusdm@gmail.com](mailto:piphusdm@gmail.com))  
 Social Media Manager, Megan Jones ([meganjones2003@yahoo.com](mailto:meganjones2003@yahoo.com))

