

GeoNews

Newsletter of the Association of Environmental & Engineering Geologists,
Carolinas Chapter

2009, 2011, 2013, 2016, and 2017 AEG Chapter of the Year

WINTER 2019



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SAVE THE DATE

NCAEP Meeting and Field Trip
Moffatt & Nichol Parking Lot - Raleigh, NC
February 19, 2020

Clemson Hydrogeology Symposium
Madren Center —Clemson, SC
April 1—3, 2020

GEONEWS WINTER 2019**Issue Date: February 11, 2020****TABLE OF CONTENTS****Articles and Reports**Waypoint Acquisition *by Ashley Morris*10Geeking Out: Mars Geology *by Josh Hanks*13**Columns and Regular Features**Message from the Chair *by Susan Avritt*3Annual Meeting Recap *by Paul W. & Bridget D.*7**Board Business**4 QT 2019 Treasurer's Report *by Walt Plekan*511-20-19 Meeting Minutes *by Jennifer Thomas*16**Forms and Flyers**

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Thanks to our Sponsors!

GeoNews is a publication of the Carolinas Chapter of AEG. There are four issues per year, with deadlines and issue publication dates listed below. We publish news of the profession, announcements, student member news, technical articles, and job openings.

Deadlines for submittal to AE Carolinas GeoNews

(can be flexible depending on events)

Spring—deadline March 1, issue date March 21

Summer—deadline June 1, issue date June 21

Fall—deadline Sept 1, issue date Sept 21

Winter—deadline Dec 1, issue date Dec 21

Deadlines for submittal for the National AEG News:

March issue—January 15

June issue—April 15

September issue—July 15

December issue—October 15

AEG Carolinas Chapter**Current Officers and Contacts**Chair Susan Avritt, P.E., L.G.
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Rick.kolb1@gmail.com**AEG Carolinas Chapter Website** www.aegcarolinas.org**AEG National Website** www.aegweb.org**Cover:** (Paul Weaver) AEG's 62nd Annual Meeting Planning Committee**Disclaimer:** © 2018 Association of Environmental & Engineering Geologists—All Rights Reserved. Views expressed in this publication are not necessarily those officially representing the Association of Environmental & Engineering Geologists except where expressly stated.

MESSAGE FROM THE CHAIR

By Susan Avritt, P.E., P.G., Carolinas Chapter Chair

Greetings and Happy New Year Carolinas Chapter!

I hope everyone is enjoying a somewhat mild winter (so far). We had our Winter Dinner Meeting at the US National Whitewater Center Thursday, January 30th, AEG's President, Cynthia Palomares, was the planned guest, but she was unable to attend. We were able to find a replacement speaker thanks to UNC-Charlotte faculty. Dr. Priscilla Nelson, Chair of Mining Engineering at Colorado School of Mines, gave a thought provoking presentation on "Geologic Risk and Underground Construction." Her presentation described how, with ever increasing population growth, we need to consider building underground, and what risks and impacts need to be considered.

I think everyone enjoyed having the meeting at the Whitewater Center, and we are gathering information to possibly do a summer "meeting" where we start early and partake in some of the fun activities at the venue. Our next meeting will be in Raleigh in April (tentatively April 16th with Scott Lindvall, the 2019-2020 Jahns Lecturer).

The Carolinas Chapter supports the North Carolina Science Teachers Association (NCSTA). This year we had a booth at the NCSTA's annual Professional Development Institute conference in Winston-Salem on November 14th and 15th. Members Paul Weaver and Jane Gill-Shaler volunteered to will pass out American Geosciences Institute (AGI) Earth Science Toolkits to teachers in attendance (for free!).

It is that time of year to renew your AEG membership. As North Carolina licensed geologists we are required to earn continuing education credits to maintain licensure. AEG presents opportunities at quarterly dinner meetings, classes, conferences and field trips to earn some of these credits, all of which are pre-approved by the NC licensing board.

It is also that time to renew sponsorships. We appreciate the support of our sponsors, which helps provide free dinner meetings to students and offset some of the costs of meetings.

(Continued on Page 4)

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(Continued from Page 3)

Please contact Eric Cross (eric@pyramidenvironmental.com) to renew your sponsorship or become a new sponsor.

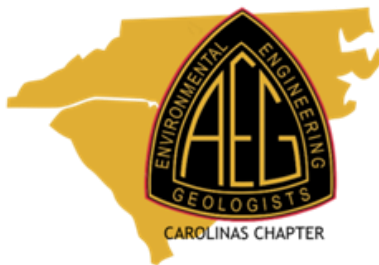
If you are interested in becoming more involved with the AEG leadership, the focus groups, or AEG in general, please contact me or other members of the Carolinas Board. We are in need people to help fill supporting chapter roles. Professionals, regulators, teachers and students are all encouraged and welcome.

As always, your board and I look forward to hearing from each of you regarding your suggestions and/or concerns related to our Chapter. We are here to serve the needs of our membership, so your feedback is vital and welcome.

Susan Avritt, P.E., P.G.

Susan.avritt@woodplc.com

AEG Carolinas Chapter Chair



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AEG Carolinas Chapter Updated 4Q 2019 Treasurer's Report

By Walt Plekan, P.G., Carolinas Chapter Treasurer



AEG Carolinas Section Treasurer's Report October 1, 2019 through December 31, 2019

BALANCE As Of October 1, 2019

Checking Account	\$ 4,337.01
Savings Account	\$ 21,608.57
	<u>\$25,945.58</u>

INCOME

Meetings	\$880.00
----------	----------

Misc

Member Fees	\$180.00
-------------	----------

Interest

Interest from savings	2.72
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SUBTOTAL - INCOME	\$1,062.72
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EXPENSES

Fees

Meeting Expenses	\$1,419.68
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Additional Expenses

Shipping AEG booth back to National	\$63.45
-------------------------------------	---------

Paypal Fees	\$19.17
-------------	---------

Visiting Professional (Travel and Meals)	\$490.98
--	----------

NC OEST Awards	
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SUBTOTAL - EXPENSES	\$1,993.28
---------------------	-------------------

BALANCE As Of December 31, 2019

Checking Account	\$ 3,403.73
------------------	-------------

Savings Account	\$ 21,611.29
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TOTAL	<u>\$25,015.02</u>
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Below is a quick breakdown of the exciting things happening at ES:



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Along with several items added to our growing inventory, here is a quick list of those specialty items that have been requested:

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AEG 62nd Annual Meeting Recap

By Paul Weaver and Bridget Doyle, AEG 2019 Annual Meeting Co-Chairs

AEG's 62nd Annual Meeting, "Old Mountains, New Beginnings" was held at the Renaissance Hotel in downtown Asheville, North Carolina from September 17th through 22nd. Over 500 participants from across the U.S. and from 9 other countries were in attendance at the meeting.

The meeting kicked-off Tuesday with three field courses ("Norfolk Dam Improvements -Making Asheville's Water Supply More Resilient", "Breweries & Brownfields: The Environmental History of Asheville's River Arts District", and "Debris Flows, Rock Slides, Rock Falls, & Big Slow Movers: Who Could Ask for More?"). The North Fork Dam Improvements field course was led by Alex Rutledge, Mark Landis, Aaron Collins, and Zach Ostrum; the participants were shown various aspects of the dam and rehabilitation work performed on the dam. Bart Cattnach with the NC Geological Survey also discussed the geology of the North Fork area. The "Breweries & Brownfields" field course was led by Susan Avritt and Chuck Pippin; it included a tour of Brownfields sites in the River Arts District near downtown Asheville, starting and ending at Wedge Brewing. The "Debris Flows, Rock Slides, Rock Falls, and Slow Movers" field course was led by Jenn Bauer, Rick Wooten, and Jody Kuhne; it included stops at 5 different locations in the Asheville area that have experienced unstable slope issues.

The Ice breaker was held Tuesday evening in the exhibit hall. The Ice Breaker was followed by the Young At heart Student/Professional gathering at Pack's Tavern.

The General Session took place on Wednesday morning and featured Kenneth Taylor (North Carolina State Geologist) and Bart Cattnach (N.C. Geological Survey) as the keynote speakers. Kenneth Taylor spoke on the subject "Natural Hazards-A Perspective from a Former State Emergency Planner, Emergency Manager, Director and State Geologist", while Bart Cattnach presented an overview of the Geology of Western North Carolina. Following the keynote speakers, the AEG Outstanding Environmental & Engineering Geology (OEEG) Project Award was presented to the Tennessee Valley Authority Boone Dam Internal Erosion Remediation Project, and key personnel with the Boone Dam Project participated in a technical session on Wednesday afternoon in which they gave presentations about the project. The General Session was wrapped up by presentations from the 2018/2019 AEG/GSA Richard H. Jahns Distinguished Lecturer in Applied Geology, Deborah Green, and the 2019/2020 Jahns Lecturer, Scott Lindvall.

Our Special Event was "A Night in the Mountains" which was held Wednesday night at the Taylor Ranch outside of Asheville. Close to 90 people were treated to an evening of good southern food, beverages,

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bluegrass and mountain music, and stories about the area. There was even fishing, cornhole, and a campfire!

More than 180 oral presentations and 22 posters were presented Wednesday afternoon through Friday afternoon. Technical sessions included Rockfall Mitigation, the Profession of Geology, Hydrology/Groundwater/Karst, Environmental Characterization & Remediation, 3D Modeling & Risk-Based Methodology, Environmental Remediation & Geochemistry, Geophysics, Transportation & Infrastructure, Drones for Geologic Applications, Geologic and Site Characterization, and Geologic Hazard Mapping. Symposiums included Climate Resilience, PFAS/GenX, Engineering Geology at Dams & Levees, Communicating Science with Non-Scientists, NOA, Tunneling, Forum on The Geology of Industrial Minerals, and Landslides.

Guest tours were offered Tuesday through Friday of the meeting. The guest tours included trips to Biltmore House, Chimney Rock & Lake Lure, the Blue Ridge Parkway & Linville Caverns, and concluded with the Apple Country Wine Tour.

On Saturday, a short course entitled “Geologic Mapping in the Digital Era: Data Collection and Rock Slope Stability Analysis” was hosted by Arthur Merschart. It included both classroom and field components. Also on Saturday, a field course entitled “These Rocks are Mined, But You Can Look at Them: Mining & Geology” was held. This field course was led by Bart Cattnach and Rick Wooten of the NC Geological Survey and



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included stops at 6 locations to look at mining operations, a local mineral museum and stops to view local geological features, including the Linville Falls fault.

Numerous other events took place during the meeting. These included the Women in AEG/AWG Luncheon featuring Sarah Evans, Assistance Professor in the Department of Geological and Environmental Sciences at Appalachian State University, “Get a Job & Make It Your Own” presented by Greg Hempen, various meetings of AEG working groups and committees, and meetings by the Executive Council and Board of Directors.

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Thank you to our 31 exhibitors and numerous generous sponsors! Additional thank you to field course chair **Susan Avritt**, finance chair **Brian Smith**, guest tours chair **Sarah Montgomery**, OEEG Project chair **Gary Rogers**, poster sessions chair **Maddie German**, publicity chair **Rohit Warriar**, short courses chair **Cyrus Parker**, special event chair **Jenn Bauer**, sponsors and exhibitors co-chairs **Rick Kolb** and **Eric Cross**, student co-ordination chair **Arpita Nandi**, technical program chair **Alex Rutledge**, **Nate Saraceno** for the Guidebook meeting app and updates to the app throughout the meeting, **Kristy Howard** and all of the people at AMR for all their work both prior to and during the meeting, and all of the planning committee members. A special “Thank You” to AEG’s meetings manager **Heather Clark**, whose exceptional efforts over six years of planning made the meeting a resounding success! The program with abstracts is available as a download from the AEG website.

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Waypoint Analytical Acquisition of Prism Laboratories

By Ashley Morris, National Env. Director of Sales, Waypoint Analytical

Waypoint Analytical, a national leader in environmental and agricultural testing industries announced the successful acquisition of Prism Laboratories, a full-service environmental laboratory testing company based in Charlotte, NC.

Prism Laboratories employs experienced, educated, and talented scientists and support personnel in Charlotte and other locations in the region. Their experience is supported by comprehensive environmental certifications held in various states to include North Carolina and South Carolina.

This acquisition provides Waypoint Analytical entry into the North Carolina and South Carolina markets. The new Charlotte-based laboratory has a significant presence with environmental consulting and engineering firms, industry, municipalities, and government entities. This represents an entirely new market for Waypoint Analytical LLC, and provides a platform with significant organic growth potential.

Prism Laboratories provides highly advanced environmental testing of organic and inorganic contaminants, serving a wide range of industries. Services include testing for numerous markets satisfying regulatory requirements for Stormwater, Groundwater, Drinking Water, Wastewater, Underground Storage Tanks (UST), Solid and Hazardous Waste, and Brownfields.

Recently added testing capabilities for the Charlotte laboratory include the testing of air, most



notably the collection of air samples in canisters for monitoring of volatile organic contaminants by EPA Method TO-15. This testing is complimentary to the suites of environmental tests offered by both Prism Laboratories and Waypoint Analytical. The addition of air testing capability to the laboratory network affords clients and prospects the opportunity for a “one-stop” laboratory. Air testing, coupled with other niche testing techniques and the recently added Investigative Microscopy laboratory, sets Waypoint Analytical amongst the nation’s most comprehensive testing networks.

Comment from **Nathan A. Pera IV**, Waypoint Analytical LLC’s Environmental Division President: “We are extremely pleased to welcome Prism and its talented team to Waypoint. Prism’s team, their dedication to service, their reputation for scientific excellence, and the geographic and certification footprints further strengthen Waypoint’s already reputable and robust catalog for its clients. Prism Laboratories is an incredibly strategic acquisition for us, enhancing our coverage both from geographic and capabilities perspectives. Simply put, they are complementary to what we are doing at Waypoint Analytical.”

(Continued on Page 11)

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Comment from **Ms. Robbi Jones**, President of Prism Laboratories, Inc.: “We have been committed to providing the highest level of quality analytical services and technical support to customers throughout the region since our founding in 1992. Waypoint allows us to expand upon our three decades of dedication to our clients and the community. They bring a vast array of resources that smaller labs cannot access. Those resources include significant IT talent and experience allowing for customized EDD’s along with redundant North Carolina certifications, equipment, capabilities and personnel...all the advantages of a large laboratory yet the personalized service that our clients deserve. We are proud to join with Waypoint, expanding the resources available to our family of clients and continuing to play a crucial role for them in meeting their environmental goals.”



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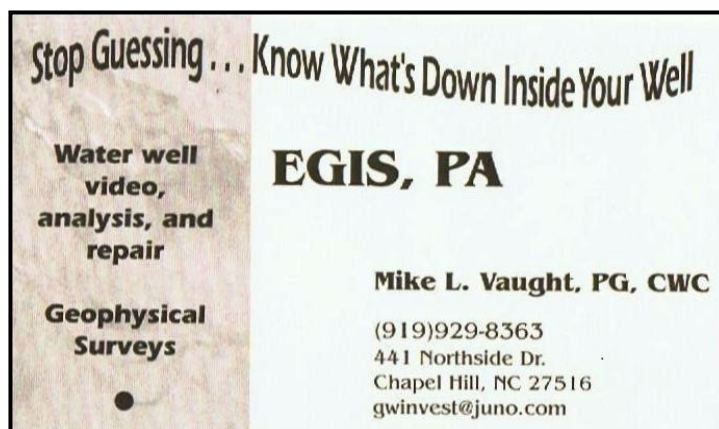
Geeking Out: Mars Geology

By Josh Hanks

As a hydrogeologist, it isn't often that my work crosses into other fields of geology aside from reviewing the occasional geophysics survey or fracture trace analysis. From time to time I like to read about work being done in other fields mostly out of personal curiosity. I recently came across a twitter feed for NASA's Insight lander which posts photos/videos from the Mars surface on a regular basis. As one who makes a living out of digging in the dirt, I was interested in seeing what the soil was like. What were they testing for? How were they performing these tests? What is the soil classification?

I stumbled down the internet rabbit hole and found that the Insight Lander is primarily a geologic investigation of the planet. I was pleasantly surprised as I had assumed most planetary geology was performed through remote sensing and that this lander had another mission. The name "Insight" is short for Interior Exploration using Seismic Investigations, Geodesy, and Heat Transport. The lander has been on the Mars surface since November 26, 2018 and is equipped with a seismometer, a heat flow probe, and radio science equipment. With this equipment, the research team hopes to learn the size and composition of Mars' core, to measure any seismic activity, and to get a more detailed look at how the planet spins around the sun.

Some of the big news coming out of this work was the first detection of a "Marsquake". As of a December 2019 *Nature* article (<https://www.nature.com/articles/d41586-019-03796-7>), the Insight team has already detected more than



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(Continued on Page 14)

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300 Marsquakes and are hoping to use this information to roughly outline the crust, mantle, and core of the planet.

The Insight Lander's heat flow probe, nicknamed the Mole, was recently stuck while trying to bore into the Mars soil. Mission engineers stated that the probe was designed for a cohesionless soil but that they were encountering more cohesive soil than anticipated. In a *Space* article dated later in December 2019 (<https://www.space.com/mars-insight-mole-moving-marsquake-zone-discovery.html>), the group was happy to report that they were able to get the probe working again. After spending so much time in the field, I can only imagine the frustration of getting a probe stuck in a hole 179 million miles away.

Anyone interested in learning more about the ongoing work with the Insight Lander or Mars geology can go to <https://mars.nasa.gov/insight/> for more information.



Alan King

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Carolina Board Meeting Minutes 11-20-2019 from 5pm to 6pm—Conference Call*By Jennifer Thomas—Secretary*

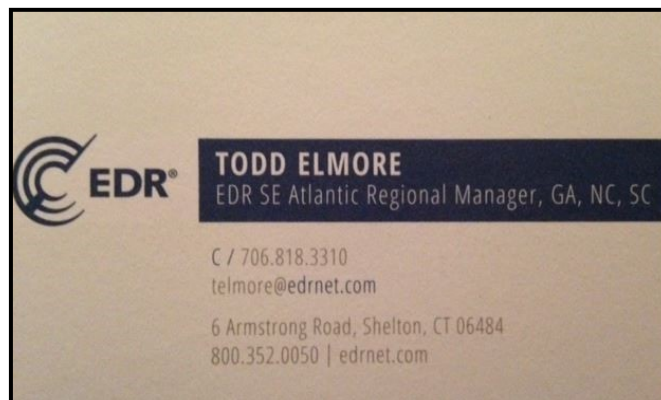
1. Call to Order
2. Roll Call: Susan Avritt, Jen Thomas, Paul Weaver, Maddie German, Jane Gill-Shaler, Walt Plekan, Beca Deal, Adam Phillips
3. Carolinas Chapter Finances – Walt
 - a. Review of current chapter finances:

Checking: \$3,719.41

Savings: \$21,609.48

PayPal: 0

Total: \$25,328.89.69
 - b. Paul—update from National regarding our allocation of profits from annual meeting: Accounting won't be complete until January 2020. We're expecting \$5,000-\$6,000. There were 509 attendees, more than expected.
4. Chapter Meetings
 - a. Greensboro October meeting: about 35 in attendance (9students). Good venue location, parking, and price. A bit noisy. We might need to use our PA system and placement of speakers.
 - b. Charlotte Meeting is January 30, 2020
 - i. Speaker is AEG President Cynthia Palomares. She will be giving a presentation on hazardous waste management.



- ii. Beca is looking into venues: Dilworth has a good meeting space and reasonable price but it's hard to get to at rush hour and finding parking is difficult. US National White-water Center is easier to get to since it doesn't require driving all the way into the city and is a unique venue. We can do social hour at the picnic area by the ice skating rink and move to the conference room for dinner and presentation. The food is not too expensive. The price wouldn't be too much more from Dilworth. Beca to provide comparison.
- iii. Announcement to go out when we identify location.

- c. Student sponsorship: Funding from sponsors is already used to cover student attendance/food. No need to ask for additional funding from sponsors. We should see if the increased student attendance continues.
- d. Meeting attendance costs: Paul thinks it's too high and negatively impacting attendance. We have operating money to fund meetings. Susan made motion to change to \$30 member, \$40 non-member. Jen seconded. Three for. None opposed.

Matthew Cawley
Business Development Manager

Mobile: 843.300.9361
mcawley@envirosmart.us

*(Continued on Page 17)*

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5. VI Conference III

- a. Interest is lukewarm and there is not much 'new'. Adam suggested non-standard air analyses (aside from TO-15) that regulators are requiring could be topic. Maybe a different topic?

6. Membership

- a. Beca has agreed to be the Membership Chair; Brandy Barnes co-chair? Yes
- b. Beca would like to have a call to discuss what her duties are—include Brandy and Rick
- c. Renewal now runs through end of 2020
- d. Need to send out an email soon. There are discounts under certain conditions that should be detailed.
- e. Develop 2020 membership using NC and SC PG lists.

7. AEG National Chapter Affiliation Agreement

- a. Maddie had good/thorough comments
- b. Maddie sent to National

8. Sponsors—Eric

- a. Begin reaching out later this year (many of our sponsors sponsored the Annual Meeting)
- b. Use previous sponsor lists to make sure we contact those sponsors that did not renew this year

9. NCSTA

- a. Ordered 300 toolkits for \$119.
- b. Paul and Jane attended this year. Three cases of toolkits left over, so order less next year.
- c. The OEST and OESE awards were on hiatus this year as Randy transitioned out of position. Should have them next year.

10. Field Trips—Rohit

- a. Boone dam in Johnson City, TN (possible side trip to Gray Fossil Museum)?
 - i. Need to begin planning; Arpita will help
 - ii. Co-host the field trip with Nashville chapter?
 - iii. Dinner meeting on Friday night. Susan contacted Carnegie hotel in Johnson City for conference space and a discount on rooms.
 - iv. Susan to contact Scott Walker (TVA) and Arpita.
- a. Hiddenite Mine in the summer (good turnout last time)?

11. Jahns Lecturer—Jacob

- a. 2020—2021 is Scott Lindvall (Lettis Consultants International)
- b. Jacob to organize visit to Carolinas
- c. April 2020, in coordination with Raleigh meeting
- d. Susan talked to Scott at Asheville meeting, he is willing to come to the Carolinas.



CALENDAR OF EVENTS—2019

Geological Events in the Carolinas

Courtesy of AEG Carolinas Chapter—www.aegcarolinas.org. Last updated February 5, 2020

Send updates/corrections to Alec Dziwanowski, adziwanowski@gmail.com

Meeting Date, Time, and Location are Subject to Change—Please Verify Prior to the Meeting

Date: Wednesday, February 19, 2020

Event: Meeting of North Carolina Association of Environmental Professionals

Field Trip: NC WAM Wetland Type Field Class—Emphasis on Basin Wetlands (www.ncaep.org)

Cost: \$175 Members and Government Employees; \$200 Non-Members

Time: 8:00am to 5:00pm

Location: Moffatt & Nichol Parking Lot; 4700 Falls of Neuse Road, Raleigh, NC 27609

Register: [http://www.ncaep.org/event-3701030?](http://www.ncaep.org/event-3701030?CalendarViewType=1&SelectedDate=2/29/2020)

[CalendarViewType=1&SelectedDate=2/29/2020](http://www.ncaep.org/event-3701030?CalendarViewType=1&SelectedDate=2/29/2020)

Date: Thursday, February 20, 2020

Event: Meeting of South Carolina Association of Environmental Professionals

Presentation: A Discussion About the Threats to and Strategies for Protecting the Catawba-Waterree River by Brandon Jones, Catawba Riverkeepers

Cost: Annual fee of \$35 (\$15 for students) includes pizza, beer and soft drinks at all meetings

Time: Social with food/beverages at 6:30 pm;

Meeting 7:00 pm

Location: Jim Hamilton-L.B. Owens Airport – 1400 Jim Hamilton Boulevard, Columbia, SC

Contact/RSVP: Adam Mims at

dam.mims@saanteecooper.com

Date: Thursday, March 5, 2020

Event: Engineers Without Borders project meeting, Research Triangle Park Professional Chapter

Time: 6:30 -9:30 pm

Location: Kleinfelder Engineering; 3200 Gateway Centre Boulevard (Suite 100), Morrisville, NC

Details/Registration: www.meetup.com/EWB-USA-RTP-Professional-Chapter/

Date: Thursday, March 12, 2020

Event: GWPNC Wilmington Dinner Meeting

Presentation: Environmental and Infrastructure Response to Severe Weather/Natural Disasters

Costs: Standard \$45, Government \$30, Students Free

Time: 5:30-7pm social, 7-8pm dinner, 8-9pm presentation

Location: Wrightsville Beach Brewery; 6201 Oleander Dr., Wilmington, NC 28403

Details/Registration: <http://gwpnc.org/>



Date: Thursday, March 19, 2020

Event: Meeting of South Carolina Association of Environmental Professionals

Presentation: TBD (facebook.com/SCAEP.org)

Cost: Annual fee of \$35 (\$15 for students) includes pizza, beer and soft drinks at all meetings

Time: Social with food/beverages at 6:30 pm; Meeting 7:00 pm

Location: Jim Hamilton-L.B. Owens Airport – 1400 Jim Hamilton Boulevard, Columbia, SC

Contact/RSVP: David Heicher at

dheicher@dakotatechnologies.com

Date: Friday, March 20, 2020

Event: ASBOG Geology Exams

Details: Deadline to apply for the exam is January 31, 2020 (Preapproval required before applying)

Location: McKimmon Center, Raleigh, NC

Contact: www.ncblg.org

Date: March 20—22, 2020

Event: Annual Meeting of the Geological Society of America, Joint Meeting Southeastern and Northeastern Sections

Abstract Deadline: December 10, 2019

Early Registration: February 18, 2020

Hotel Registration Deadline: February 26, 2020 at 5:00pm

Location: Hyatt Regency; 1800 Presidents Street, Reston, VA 20190

Details: <https://community.geosociety.org/gsa2020/home>

(Continued on Page 19)

(Continued from Page 18)

Date: April 1—3, 2020

Event: Clemson Hydrogeology Symposium

Abstract Deadline: February 14, 2020

Early Bird Registration Deadline: March 2, 2020

Online Registration Deadline: March 23, 2020

Location: Madren Center at Clemson University; 230

Madren Center Drive, Clemson, SC 29631

Details: <https://www.clemson.edu/cecas/departments/ees/symposium/index.html>

Date: Thursday, April 2, 2020

Event: Engineers Without Borders project meeting, Research Triangle Park Professional Chapter

Time: 6:30 -9:30 pm

Location: Kleinfelder Engineering; 3200 Gateway Centre Boulevard (Suite 100), Morrisville, NC

Details/Registration: www.meetup.com/EWB-USA-RTP-Professional-Chapter/

Date: Thursday, April 16, 2020

Event: Meeting of South Carolina Association of Environmental Professionals

Presentation: TBD ([facebook.com/SCAEP.org](https://www.facebook.com/SCAEP.org))

Cost: Annual fee of \$35 (\$15 for students) includes pizza, beer and soft drinks at all meetings

Time: Social with food/beverages at 6:30 pm;

Meeting 7:00 pm

Location: Jim Hamilton-L.B. Owens Airport – 1400 Jim Hamilton Boulevard, Columbia, SC

Contact/RSVP: David Heicher at

dheicher@dakotatechnologies.com

Date: Thursday, April 16, 2020

Event: AEG Carolinas Section Raleigh Dinner Meeting

Speaker: Scott Lindvall, 2020 Jahn's Lecturer

Location: TBD

Contact/RSVP: David Heicher at

dheicher@dakotatechnologies.com

Date: September 14-19, 2020

Event: AEG Annual Meeting

Location: Portland, Oregon

Costs: TBD

Contact: Heather Clark (heather@aegweb.org)

Date: Friday, October 2, 2020

Event: ASBOG Geology Exams

Details: Deadline to apply for the exam is August 14, 2020 (Preapproval required before applying)

Location: McKimmon Center, Raleigh, NC

Contact: www.ncblg.org

Date: October 25 to 28, 2020

Event: Annual Meeting of the Geological Society of America

Location: Montreal, Quebec, Canada

Details: <https://community.geosociety.org/gsa2020/home>



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Signature _____

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Thank you! We appreciate your support of the Association of Environmental & Engineering Geologists.



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The Carolinas Chapter of AEG supports many of its activities with financial assistance provided by our sponsors. Our activities include quarterly meetings, periodic field trips and seminars, a quarterly newsletter, and email announcements about our meetings and geoscience related activities. In addition, we donate large quantities of educational resources to science teachers.

We offer several levels of sponsorship, but they all have one goal: to keep the sponsor's name in front of our members and to bring you business. We have a real commitment to connecting our sponsors to potential buyers and will do all we can to help you build your business. Most of our members are practicing professionals with responsibility for selecting subcontractors, so our group is a great place to find new customers and to catch up with existing clients in an informal setting.

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Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, www.aegcarolinas.org, with a link to your site.

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Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, www.aegcarolinas.org, with a link to your site.

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