

# AEG OREGON NEWSLETTER

MARCH 2026

VOLUME 14, NUMBER 7



## INSIDE THIS ISSUE

---

### March Meeting

Retrospective of the Earthline  
Hazardous Waste Landfill Failure

[RSVP here.](#)

---

### Meet the Presenter

Christopher Stohr

---

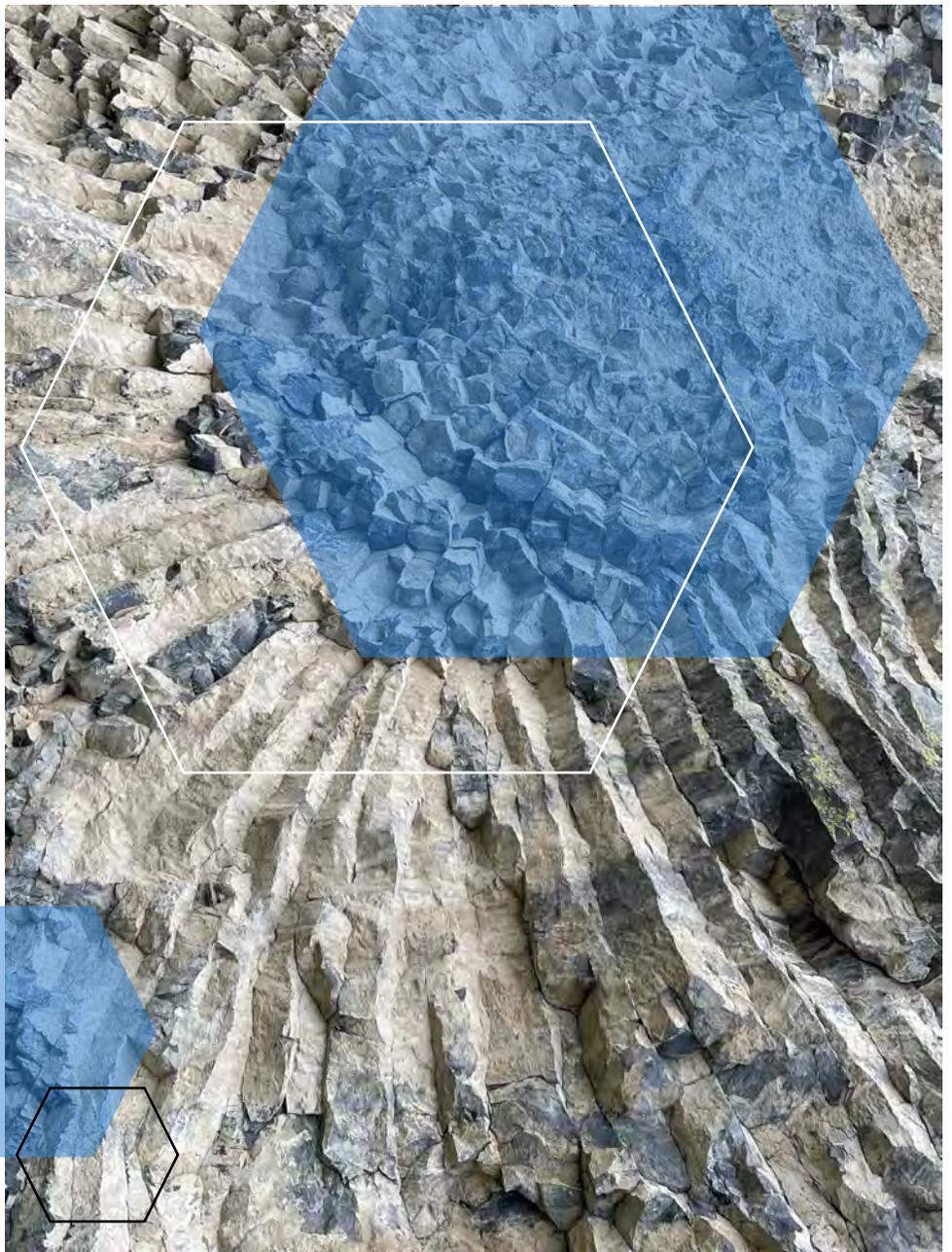
### Letter from the Chair

Pay it forward

---

### AEG Oregon Bulletin

Local industry goings-on.



## UPCOMING MEETINGS

**MARCH 24, 2026**

Chris Stohr, Richard H. Jahns Distinguished  
Lecturer

**Lucky Labrador Beer Hall**  
1945 NW Quimby Street

**APRIL 21, 2026**

Paul Weaver, AEG President

**Old Market Pub**  
6959 SW Multnomah Boulevard

**MAY 19, 2026**

Student Night!

**Old Market Pub**  
6959 SW Multnomah Boulevard



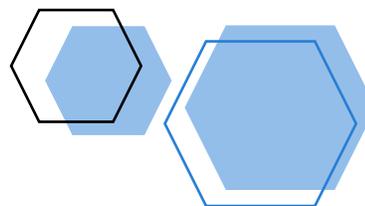
# MARCH MEETING

## RETROSPECTIVE OF THE EARTHLINE HAZARDOUS WASTE LANDFILL FAILURE

### A Case Study of Legacy Landfills and Dumps and How to Reduce Leachate

Subject of a landmark, legal precedent-setting trial, the Earthline hazardous waste landfill was expected “not to leak in 100 years,” according to experts. However, contaminants were detected in monitoring wells 3 meters from the burial trenches only three years after closure of the unlined landfill. Field and laboratory tests and remote sensing measurements found causes for the faster-than-predicted contaminant migration, but why were these not identified sooner?

Legacy landfills are unlined, thinly covered cemeteries of waste and are similarly constructed throughout the world. Most landfill inspections rely upon institutional memory and traditional walk-over traverses to identify flaws and deficiencies for written reports.



Landfill defects can be better identified and mapped by image processing of freely available airborne lidar, historical black and white photography, and modern color infrared orthoimagery using GIS technology to direct low-cost spot repairs for maintenance and custodial care and reduce undesired contamination from legacy waste structures.

### MEETING DETAILS

**Date:**

Tuesday, March 24, 2026

**Agenda:**

5:30 p.m. – 6:00 p.m., Social  
 6:00 p.m. – 7:00 p.m., Dinner  
 7:00 p.m., Presentation

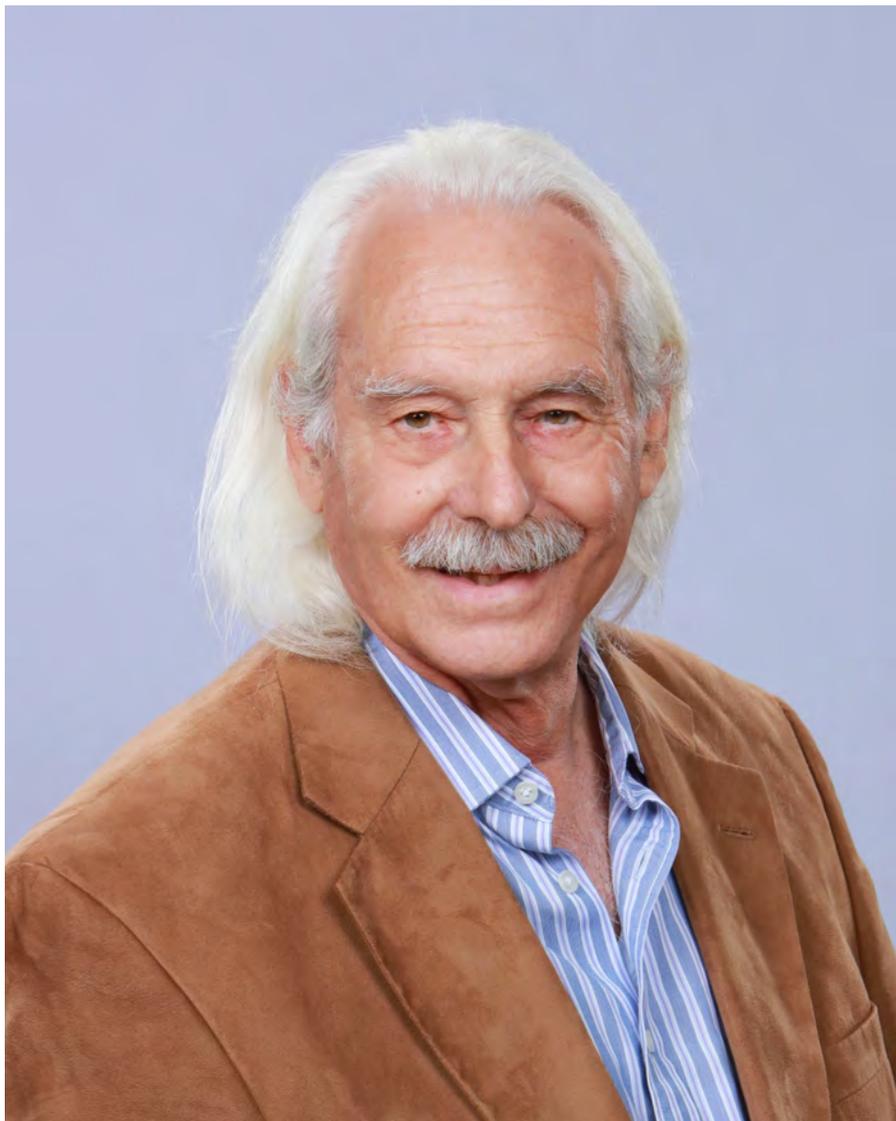
**Location:**

Lucky Labrador Beer Hall  
 1945 NW Quimby Street  
 Portland, Oregon

**RSVP:**

Ticket prices vary. Use cash or check to pay at the door. If you want to pay with card, [RSVP here](#).





# MEET THE PRESENTER

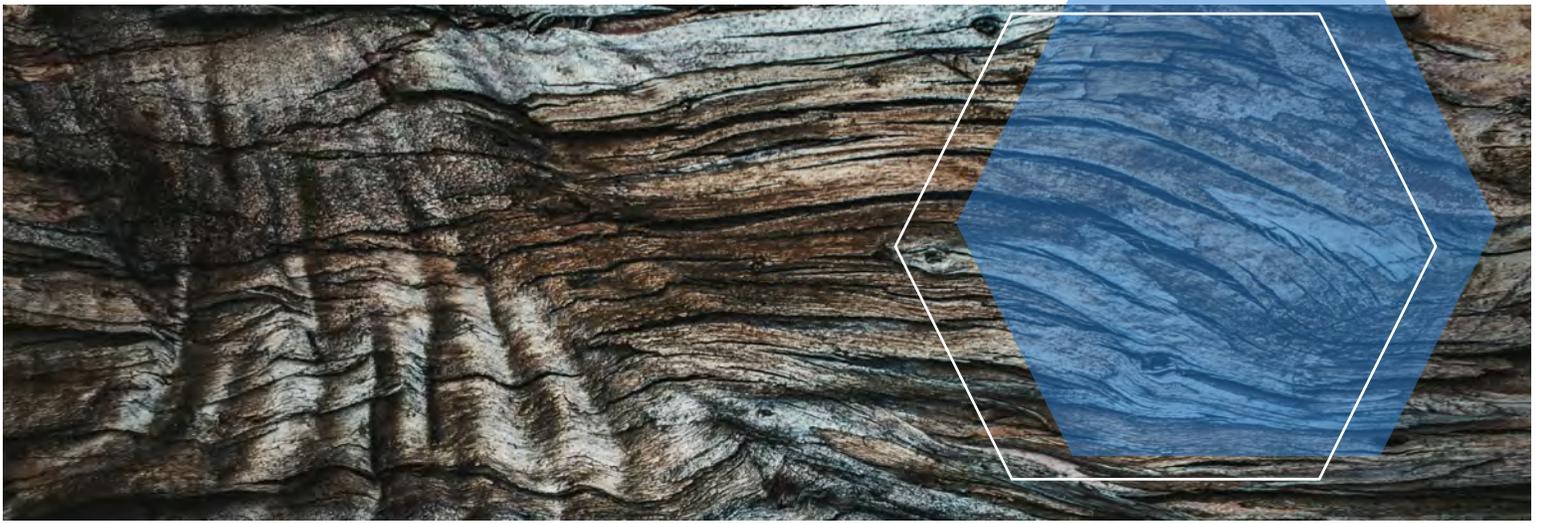
## CHRISTOPHER STOHR

Chris Stohr continues professional and community work after more than 40 years of applied geology, research, and humanitarian work in the midwestern U.S., Africa, and South America. He obtained his BS in Geology at Saint Joseph's College in Rensselaer, Indiana, with a minor in Philosophy/Theology, and an MS in Engineering Geology at Purdue University in West Lafayette, Indiana, developing applications for innovative digital image processing of remotely sensed imagery at the Laboratory for Applications of Remote Sensing. Chris began his career at the Missouri Geology and Land Survey, performing investigations for dams, sewage lagoons, hazardous and nuclear waste sites, dye tracing, dumps, and landfills in the Ozarks and throughout that state. He directed an inventory of 3,600 dams and conducted a site selection study for hazardous waste disposal facilities in Missouri. He worked as part of a Shannon & Wilson team conducting special fault studies, reconnaissance mapping, trench mapping, and paleomagnetic studies for a nuclear power plant in central Iran using U.S. Nuclear Regulatory Commission procedures.

At the Illinois State Geological Survey (ISGS), Prairie Research Institute, University of Illinois at Urbana-Champaign, he participated in and led research on landslides, trench covers, groundwater, agronomic analysis of lake sediments, downhole geophysics, precision agriculture, remote sensing, coastal erosion, close-range photogrammetry and terrestrial and aerial laser scanning, archeology, glacial geology, Height Modernization (geodetic surveying), and geologic sequestration of carbon dioxide.

ISGS investigations at the Earthline Industrial Chemical Waste Landfill identified failure mechanisms and the observed difference drainage characteristics of depressions in earthen covers of landfills using post-sunset thermal infrared imagery (American Society for Photogrammetry and Remote Sensing [ASPRS] Autometric Award), which became the focus of a late-career PhD dissertation at the University of Illinois at Urbana-Champaign. Chris has investigated dumps and legacy landfills in the Midwestern U.S., Egypt, Malawi, and Patagonia, Argentina.

Dr. Stohr was a Fulbright Senior Specialist at Beni Suef University, Egypt, and participated in and led international humanitarian development projects in Malawi, Africa. He is a Professional Geologist and Certified Engineering Geologist in Illinois and Oregon and sits on the Illinois Board of Licensing for Professional Geologists. Chris served as a thrice-elected member of the Champaign County Board; was twice appointed to serve on the Mahomet Aquifer Council; sits on the Illinois Professional Geologist licensing board; and is an active member of ASPRS, AEG, and the Geological Society of America, Environmental and Engineering Geology Division.



# LETTER FROM THE CHAIR

---

## PAY IT FORWARD

AEG Oregon,

First off, thank you to everyone who attended the February meeting, which was held in honor of Scott Burns. I hope everyone enjoyed themselves. It was amazing to see the impact that one person can have on a professional community.

I also want to thank the many AEG Oregon members who helped plan and organize the event, and all of you who submitted photos and tributes to Scott. It was a tremendous amount of extra effort, and I applaud everyone for their commitment and diligence.

As I said during the event, I was not one of Scott's students, but I have had mentors like him throughout my career. My challenge to all of you is to reflect on the people who helped you succeed and look for opportunities to pay it forward.

On March 24, 2026, we will be hosting the Jahns Lecturer, Christopher Stohr. Please note, the March meeting will not be at our usual venue, but at the Lucky Labrador Beer Hall at 1945 NW Quimby Street in Portland. This venue will have street parking only, so please plan accordingly. I hope to see you all there.

Regards,

Nicholas Farny, AEG Oregon Chair





**PACIFIC  
GEOPHYSICS**  
Real-time Geophysics

**GEOPHYSICAL SURVEYING**  
for environmental  
and geotechnical  
applications

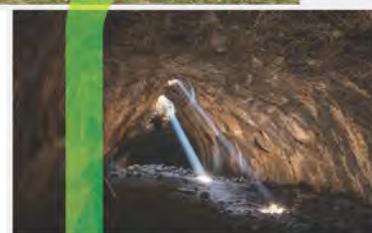
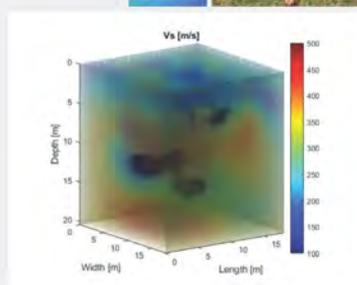
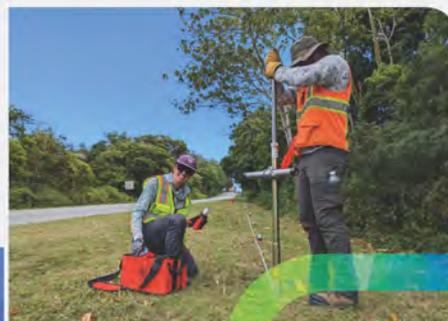


503.501.7846  
nikos@pacificgeophysics.com  
www.pacificgeophysics.com



## ***Leading with Science***<sup>®</sup> to improve people's lives

The Tetra Tech Geophysics/Geohazards group specializes in high-resolution subsurface characterization of voids, faults, and other geohazards. Our expertise in 3D seismic and gravity imaging supports projects in geotechnical and civil engineering, remediation design, and critical infrastructure design and rehabilitation.



*Source: Coupling of SPT and 3D full waveform inversion for deep site characterization.*

900 SW 5th Avenue, Suite 1600, Portland, OR 97204

Lizzy.Clyne@tetrattech.com



**NO TERRAIN TOO TOUGH  
PLI Delivers Where Others Can't!**



**PLI SYSTEMS**

**Steep Terrain  
Limited Access  
Over Water Drilling  
Fully Electric Drilling  
Crane and Rappelling Drilling**

**Call: (503) 649-8111**

# Rock Supremacy



## Slope Stabilization

We are a one-stop-shop for your next retaining wall project from a basic cantilevered concrete, battered micropile foundation or a heavy duty anchored soldier pile wall.



## Rockfall Mitigation

We are highly skilled in stabilizing rock slopes using pinned Tocco® systems, cable/ring netting, and double twist wire mesh. We also perform rock scaling, rock bolting/doweling and many other rockfall mitigation measures.



## Drilling

We have extensive experience in drilling multiple variations of rock bolts/rock dowels, cable anchors, micropiles, rock sockets, tie-backs or horizontal drains in all types of subsurface environments.



## Tunnel Rehabilitation

We specialize in rehabilitating or providing new tunnel construction with steel set erection, road heading, tunnel notching, liner removal, and applying shotcrete.



## Shotcrete

We use a proprietary formula to effectively seal canals, soil nail walls or rock/soil surfaces. Our mix design is extremely durable and can be colored to match existing native landscapes. We also perform sculpting & staining services.



## Landslide Remediation

We have years of experience solving landslide problems with a wide range of solutions to reach the perfect solution.



541.383.ROCK (7625) | [Info@RockSupremacy.com](mailto:Info@RockSupremacy.com) | [RockSupremacy.com](http://RockSupremacy.com)

85147 N Hwy 97, Bend, OR 97701



### Environmental/Geotechnical/Clean Water Drilling

- Air Knife Vacuum Truck
- Cable Tool
- Direct Push
- Dual Rotary
- HSA, Mud Rotary and Core
- Limited Access
- Self-contained Decontamination System
- Sonic

### High Resolution Site Characterization (HRSC)

utilizes MIP and OIP direct imaging tools to vertically log in-situ conditions that include volatile petroleum hydrocarbon and solvent contamination, permeability, electrical conductivity, and delineation of non-aqueous phase liquid (NAPL) hydrocarbon fuels and oils.



### Holt has 4 office locations Licensed to Drill in 13 States

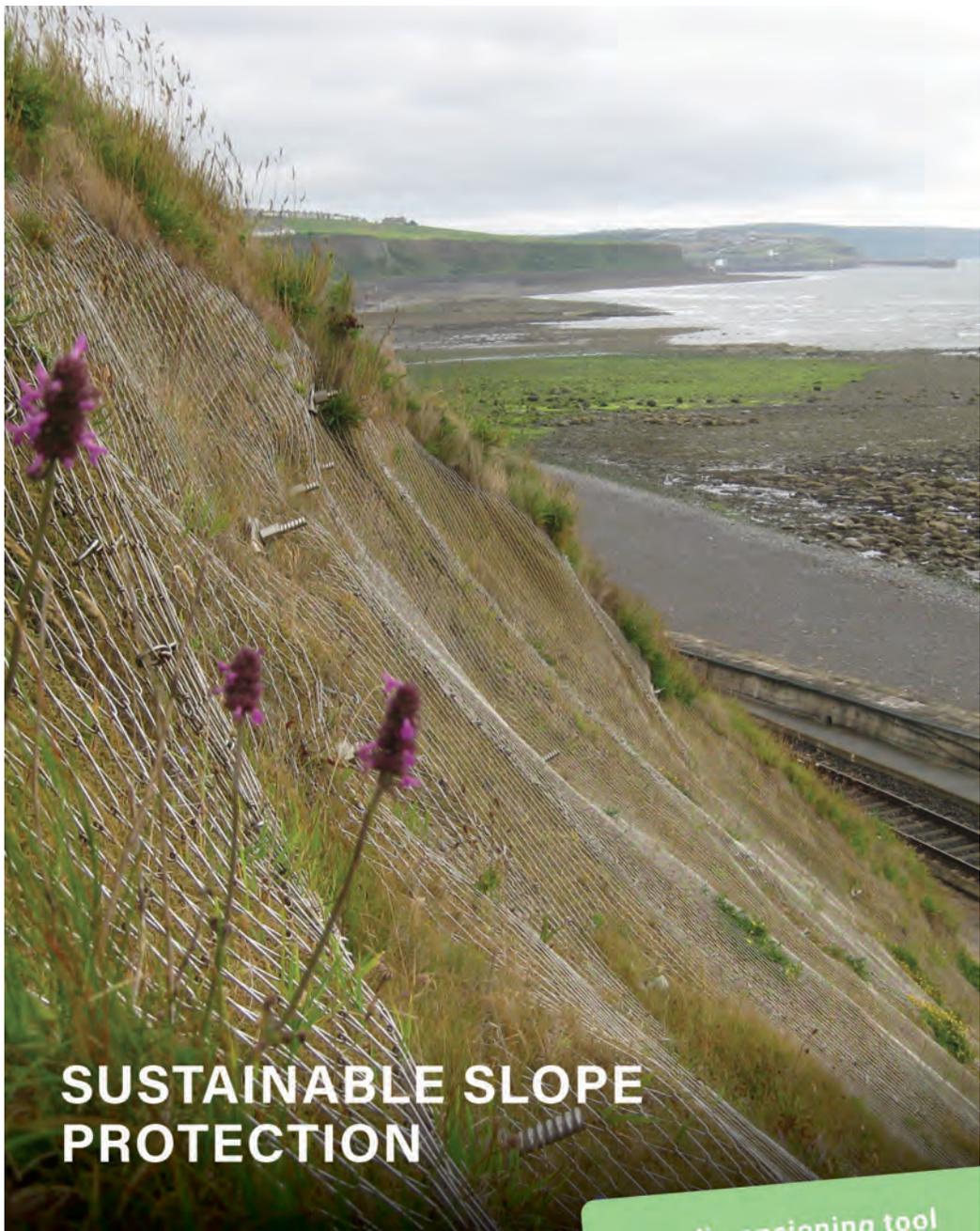
- Edgewood WA
- Vancouver WA
- Everett WA
- Boise ID



Contact Information  
253.604.4878  
[support@holtservicesinc.com](mailto:support@holtservicesinc.com)

### Additional Services Include

- Injection Remediation
- Site Development
- Tank Pulls
- Excavation
- Utility Clearance
- Remediation System Installations
- **AND MORE!**



## SUSTAINABLE SLOPE PROTECTION

Anchored TECCO® System  
made of high-tensile steel mesh

Free dimensioning tool  
[www.mygeobrugg.com](http://www.mygeobrugg.com)



Your local Geobrugg specialist:  
[www.geobrugg.com/contacts](http://www.geobrugg.com/contacts)

**BRUGG**  
Geobrugg 

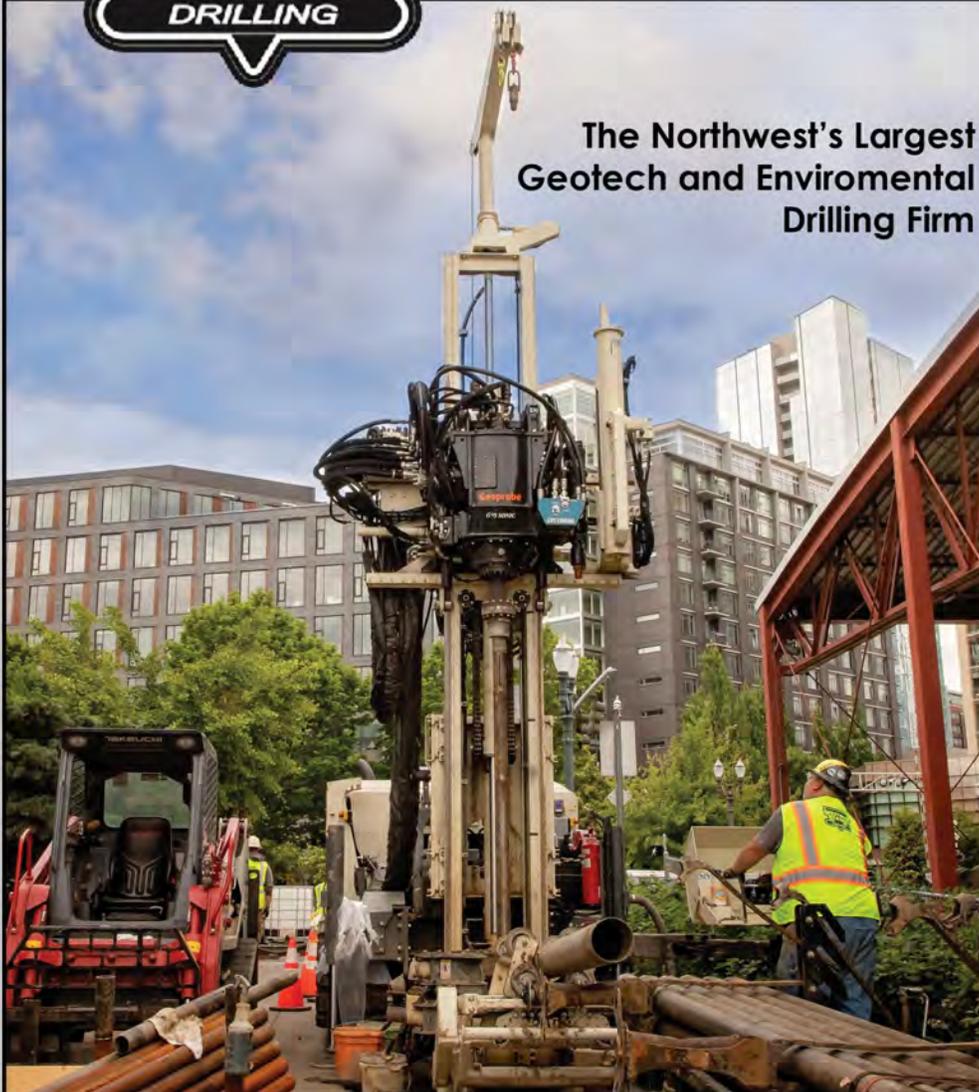
Safety is our nature



Call : 503-982-1777

[www.westernstatesoil.com](http://www.westernstatesoil.com)

The Northwest's Largest  
Geotech and Enviromental  
Drilling Firm



The industry's most experienced drillers with over 200 years of  
combined drilling experiece.

**Committed To Providing Quality  
Geotechnical & Enviromental  
Drilling Services to the Pacific Northwest**

DBE Certified in OR/WA



# APEX<sup>®</sup>

Making a  
**Sustainable** Impact  
on Our **Communities**  
Now and Into the Future

[apexc.com](http://apexc.com)





# AEG OREGON BULLETIN

## TEST DATES

**March 20:** ASBOG exams

## STUDENT NIGHT

Student night will be May 19, 2026. This is an opportunity for students to present their projects and mingle with industry professionals. And there are prizes! It's never too early to start thinking about what you might present.

## JOBS

**DOGAMI, Mineral Land Regulation & Reclamation, Reclamationist/Geologist**

[Job Link Here](#)

## UPCOMING EVENTS

**Feb. 13 – October 11:** Oregon Historical Society presents "101 at 100: The History of Oregon's Most Iconic Highway." 1200 SW Park Avenue; Portland, Oregon.

[Link to Exhibit Description](#)

**Mar. 4:** GRI presents Nick Hatch and Jack Gordon, "Instrumentation and Monitoring: Project-Specific Applications." Free, virtual. Counts toward your Professional Development Hours! [Sign Up Here](#)

**Mar. 11:** GRI presents Jason Bock and Thomas O'Dell, "Ground Improvement: A Look Behind the Curtain." Free, virtual. Counts toward your Professional Development Hours! [Sign Up Here](#)

**June 19–21:** Western Oregon University Earth Science Alumni Group is putting on a Camping and Rafting Weekend on the Deschutes River as a fundraising field trip. Register by May 15. [Registration Link Here](#)

## CALL FOR CONTENT!

We would love to hear from you! Tell us about your recent projects, career milestones, events, awards, and job postings or submit articles and visual elements. Send newsletter contributions to Sarah Norton at [snorton@gri.com](mailto:snorton@gri.com).

# 2025 – 2026 CHAPTER OFFICERS & COMMITTEE CHAIRS



## CHAIR:

Nicholas Farny, FHWA Western  
Federal Lands  
nicholas.farny@dot.gov



## CHAIR-ELECT:

Justin McCarley, Conforth  
Consultants  
justin.mccarley@ccilt.com



## TREASURER:

Cathleen McMahon, GRI  
cmcMahon@gri.com



## SECRETARY:

Darlene Verduzco, GRI  
dverduzco@gri.com



## PAST CHAIR:

Nikos Tzetos, Pacific Geophysics  
nikos@pacificgeophysics.com



## MEMBERSHIP CHAIR:

Rachel Sweeten, Certerra  
Northwest  
rachels@earth-engineers.com



## PROGRAM CHAIR:

Nathan Villeneuve, GRI  
nvilleneuve@gri.com



## LEGISLATURE CHAIR:

Sebastian Dirringer, South Fork  
Water  
[sebastiand@sfwbwbor.gov](mailto:sebastiand@sfwbwbor.gov)



## FIELD TRIP CHAIR:

Brittni Bishop, PSU  
brbishop@pdx.edu



## PSU STUDENT CHAPTER PRESIDENT:

Blue Hansen, PSU  
bluha@pdx.edu



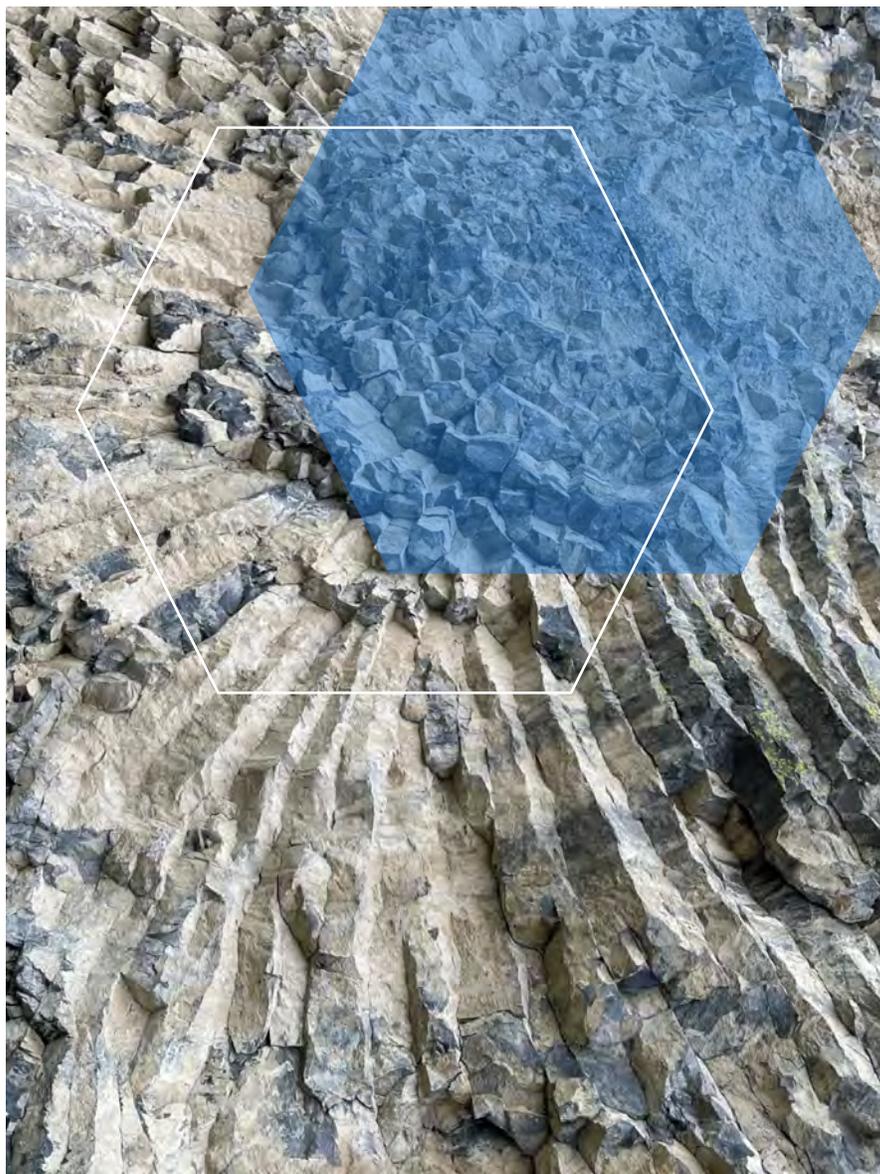
## NEWSLETTER EDITOR:

Sarah Norton, GRI  
snorton@gri.com



## WEBPAGE EDITOR:

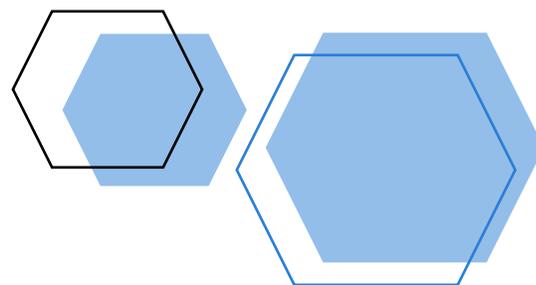
Paige Stuhlmuller  
paigestuhlmuller26@gmail.com



# THANKS FOR SUPPORTING AEG

A BIG THANKS TO OUR...

Members, Volunteers, Aspect Consulting, Cornforth Consultants, Inc., DOGAMI, Earth Dynamics LLC., Federal Highway Administration (FHWA), Geobruigg, GRI, Hi-Tech Rockfall Construction, Holt Services, Inc., NACSE, ODOT, Oregon State University, Pacific Geophysics, PBS Engineering and Environmental, PLI Systems, Portland State University, and Western Oregon University.

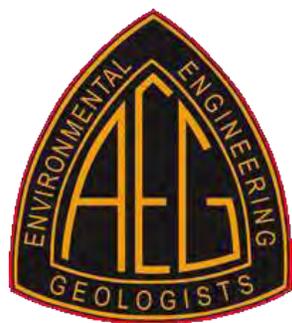


THE OREGON CHAPTER IS ALSO ON THE WEB

<http://www.aegoregon.org>

NATIONAL AEG WEBPAGE

<http://aegweb.org>



## THE AEG OREGON CHAPTER NEWSLETTER

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public's welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. AEG is the acknowledged international leader in environmental and engineering geology and is greatly respected for its stewardship of the profession.

AEG OREGON CHAPTER NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Chapter or other Chapters and other interested people who have requested and paid a local subscription fee of \$10.00. E-mail subscriptions are free. Subscribe to the newsletter by filling out our form [here](#). News items are invited and should be sent to: Sarah Norton, AEG Oregon Newsletter Editor, at [snorton@gri.com](mailto:snorton@gri.com). Deadline for submittal is the 20th of the month. Advertising: business card size \$100/yr; ¼ page \$200/yr; ½ page \$350/yr; 1 page \$450/yr.

**PHOTO CREDITS:**

The Eye, Gordon Cliffs. © 2022, Sarah Norton / Thinly Covered Hazardous Waste Landfill © N/A, AI generated / Cristales cueva de Naica. © 2010, Alexander Van Driessche. Public license. <https://creativecommons.org/licenses/by/3.0>. Cropped / Painted Hills in Oregon. © 2020, Troy Squillaci / Gray and White Wallpaper. © 2018, Johannes Plenio / White Rectangular Board on Brown Surface. © 2020, Cottonbro Studio