



The Official

OREGON SECTION AEG NEWSLETTER

<http://www.aegoregon.org>

February Meeting Details

Tuesday February 19th

Location: Old Market Pub

6959 SW Multnomah

Portland, Oregon

6:00 pm Social

6:45 pm Dinner

7:30 pm Presentation

Dinner: Pizza & Salad

\$20 Dinner (\$5 Students)

Reservations:

mwegner@cornforthconsultants.com
with "AEG Reservation" in
the subject line or 971-222-
2047 by 4pm Thur. Feb. 14

There is a \$2 surcharge for
those who do not reserve by
the deadline.

Upcoming Meetings:

Mar 19th Matthew Morris
Apr 16th Student Poster Night
May 21st James McCaplin

A tale of two rivers (and a few others); geologic and physiographic controls on gravel bed rivers in Oregon

Guest Speaker: Jim O'Connor

Umpqua River



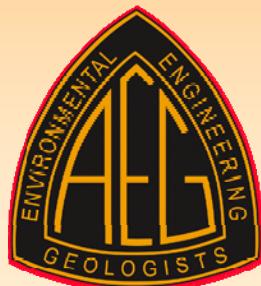
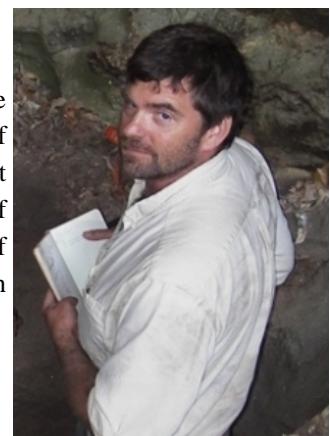
Rogue River



Oregon's beautiful rivers come in a diversity of forms, from the wide and winding gravel channel of the lower Rogue River, to the fluted bare bedrock bed of the Umpqua. What controls these differences? To make a long story short, it's the geology. But it's not the geology of the river bed, it's the geology of the basin. From a regional analysis of river morphology, sediment yield, and aspects of sediment transport, it seems that lithologic controls exert overarching and far-reaching influence on the distribution of alluvial and non-alluvial channels and their consequently distinctive morphologies and behaviors—differences germane for understanding river response to tectonics and environmental perturbations, as well as for implementing effective restoration and monitoring strategies.

Bio: Jim O'Connor

Jim O'Connor is a Pacific Northwest native long interested in the processes and events that shape the remarkable and diverse landscapes of the region. Following this interest with a Geological Science major at University of Washington and M.S. and Ph.D. degrees at University of Arizona, he has spent the last 20 years focused on the "science of scenery", for the last 17 years with the U.S. Geological Survey Oregon Water Science Center in Portland.





Message from the Chair

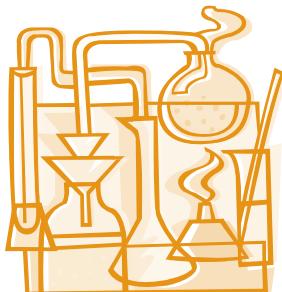
Thanks so much to everyone who attended the Joint ASCE/AEG meeting in January. We had a very successful event, with approximately 100 folks in attendance. I know I speak for all when I say thanks again to the ASCE Geotechnical group and their supporters for sponsoring the students at the meeting. It was a nice surprise for the students, and appreciated by everyone. The presentation on the Willamette River Transit Bridge by Dave Higgins, Derrick Hayes, and Steve Litchfield was wonderful, and we thank Shannon & Wilson and HNTB for supporting their efforts.

Everyone will be delighted to hear Jim O'Connor speak at our February meeting. Jim, whose work's passion is the "science of scenery" (how great is that!), always presents on fantastic topics in an inspiring and insightful way. "Geologic and physiographic controls on gravel bed rivers in Oregon" – I'm expecting geologists and engineers alike will find something to appreciate. With Oregon rivers, you know the photography will be grand. Jim, thanks in advance.

Recently, Scott Braunsten forwarded an email about an Oregon State Board of Geologist Examiners (OSBGE) Engineering Geology Examination Committee Meeting being held February 4th, 10 AM, in Longview, WA. The focus of this meeting is ongoing administration of the joint Oregon-Washington examination for Certified Engineering Geologists, and the outcome could affect our CEG members. Meeting details and agenda can be found here: <http://www.oregon.gov/osbge/pages/index.aspx>. Please let me know if you plan to (or did) attend this meeting.

AEG 2013 Annual Meeting - Call for Abstracts

The Call for Abstracts for the 2013 Annual AEG Meeting in Seattle has been issued. Details can be found at <http://www.aegweb.org/events/aeg-annual-meeting/2013-seattle>. The deadline for abstracts is May 1, 2013.



Needs Assessment for AEG

National AEG is kicking off a Needs Assessment, and it needs our collective help. Based on recent trends in declining membership and associated challenges, the purposes of the study are to evaluate where we stand as an organization, identify needs we aren't fulfilling, and provide recommendations for Strategic Planning to get us where we want to be.

The Needs Assessment Team is comprised of members of all types (self-employed and those at consulting firms, students, professors, suppliers, contractors, long-timers, and Past Presidents) and is headed by Deb Green and Duane Krueger. At the team's direction, Loyalty Research Center will be contacting members during winter/spring 2013 to conduct short interviews (by phone or email). Please, for a better future for us and those who follow, respond to the request in an honest and timely manner. Your input matters.

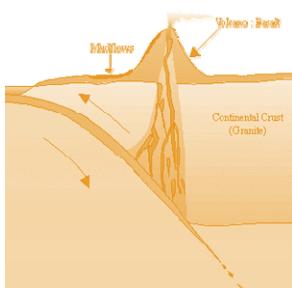
This program was discussed in detail and with enthusiasm at the annual meeting in Salt Lake City. It's good to see it take shape. We will have slides about the Needs Assessment cycling at the February meeting.

See you there,
Robin Johnston, RG
AEG Oregon Section Chair

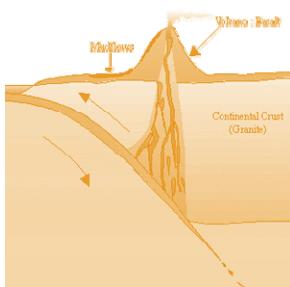
Message from the GSA Environmental & Engineering Geology Division

The GSA Rocky Mountain Section Meeting abstract deadline is February 12, 2013. There are several theme sessions on environmental and engineering geology topics, which can be found at <http://www.geosociety.org/Sections/rm/2013mtg/techProg.htm>. We encourage you to submit an abstract and/or attend the Section Meeting.

We would also like to invite you to participate in the upcoming GSA Annual Meeting October 27-30, 2013 in Denver. <http://www.geosociety.org/meetings/2013/>. We will likely have topical sessions at this meeting focused on environmental and engineering geology. 2013 is the 125th anniversary of GSA and the Environmental & Engineering Geology Division would like you to come celebrate with us!



Matt Crawford
Member-At-Large
GSA Environmental & Engineering Geology Division
<http://rock.geosociety.org/egd/index.html>



Shallow Landslide Solution – Accomplish your priorities with slope instabilities.



Specifically designed for landslide properties of higher velocities, smaller volume, and less drainage.

- Field tested
- Dimensioned
- Simple installation
- Eco-friendly

Matching your cost-saving priorities for:

- Strength and durability
- Easy installation
- Simple maintenance

See more www.geobrugg.com



GEORUGG
BRUGG

Geobrugg North America, LLC

Tim Shevlin, PG

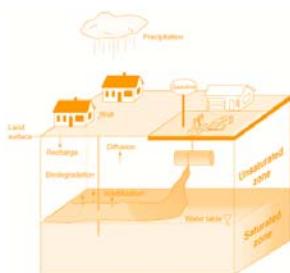
Northwestern USA & Western Canada

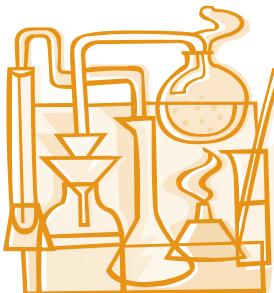
Phone: (503) 423-7258

Fax: (505) 771-4081

tim.shevlin@geobrugg.com

www.geobrugg.com





EXPERIENCED DRILLERS, INNOVATIVE TECHNOLOGY

Global Drilling Services



OVER 120 YEARS GLOBAL DRILLING EXPERIENCE

Boart Longyear maximizes the return on your budget through knowledgeable crews, advanced equipment and experienced management teams.

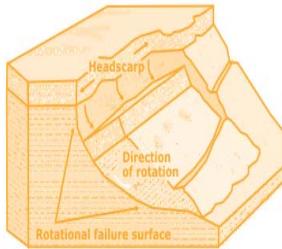
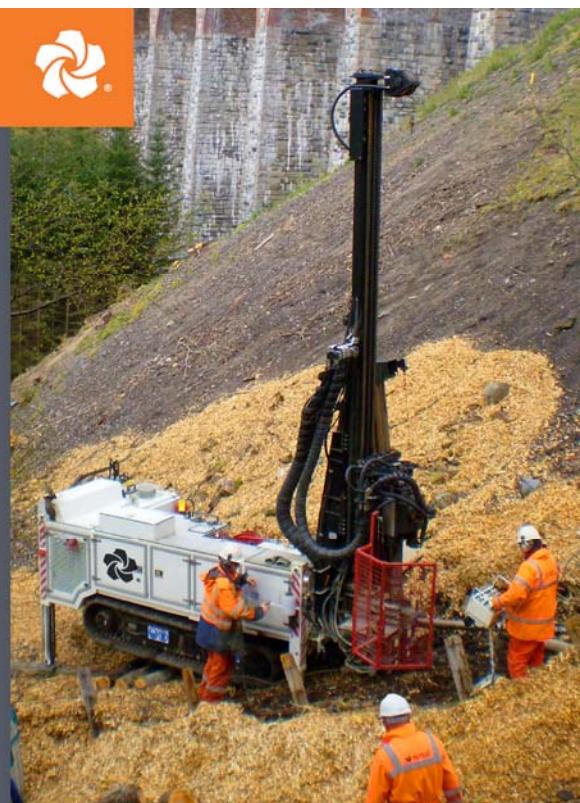
We excel in various drilling methods including:

- Sonic Drilling
- Hollow Stem Auger Drilling
- Well Rehabilitation
- Cable Tool RC
- Mud and Air Rotary
- Bucket Auger Drilling
- Rock Coring

We also specialize in:

- Environmental and Geotechnical Investigations
- Construction De-watering Wells
- Large Diameter Water Wells
- Construction Borings
- Aquifer Tests

Boart Longyear
Environmental and Infrastructure
11277 SW Clay St., Suite A
Sherwood, OR 97140
Tel: (503) 572-3090
www.BoartLongyear.com • ASX: BLY



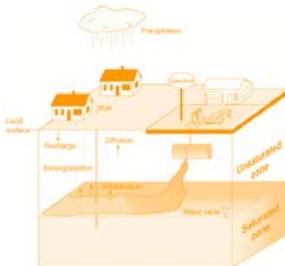
Geophysical Investigations

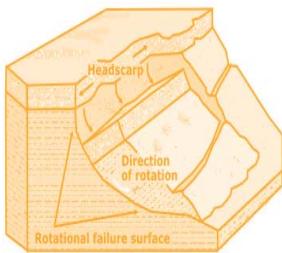
- Geotechnical
- Environmental
- Groundwater

Zonge
TRUSTED GEOPHYSICS™



Zonge International, Inc.
(503) 992-6723
www.zonge.com
Zonge.OR@zonge.com





Western States Soil Conservation, Inc.

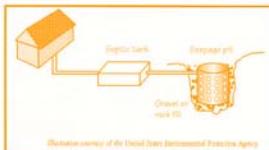
There is no limit to the depths we will go!



Geotechnical & Environmental Drilling Services

3100 Schmidt Ln • PO BOX 128 • Hubbard, OR 97032
(503) 982-1777 Office • (503) 982-8220 Fax

westernstates@centurytel.net • www.westernstatessoil.com



(Illustration courtesy of the United States Environmental Protection Agency)

Schematic of a Seepage Pit (Dry Well)



GEOPHYSICAL SURVEYING
for environmental
and geotechnical
applications



Knowledge. Experience. Commitment.



VIGIL AGRIMIS
design professionals

"Keen observation is at least as necessary as penetrating analysis"

Karl Terzaghi

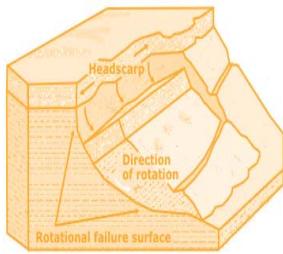
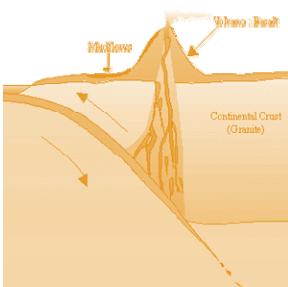
503.501.7846
nikos@pacificgeophysics.com
www.pacificgeophysics.com



Engineering +
Environmental



4412 SW Corbett Avenue, Portland, Oregon 97239
503.248.1939 www.pbsenv.com



GeoPotential ENVIRONMENTAL & EXPLORATION GEOPHYSICS
22323 East Wild Fern Lane, Brightwood, Oregon 97011
PH (503) 622-0154 FAX (503) 622-0526
WEB <http://www.geopotential.biz/>
E-MAIL GeoPotential@geopotential.biz

SUBSURFACE MAPPING SURVEYS



MOBILE LABORATORY

GROUND PENETRATING RADAR SURVEYS

MAGNETOMETER & ELECTROMAGNETIC SURVEYS

GRAVITY SURVEYS

RESISTIVITY SURVEYS

Thanks For Supporting AEG

Ash Creek Associates

AMEC Environment & Infrastructure, Inc.

Columbia Geotechnical

Cornforth Consultants

GRI

Geocon NW

Kuper Consulting

Oregon Department of Geology and Mineral Industries

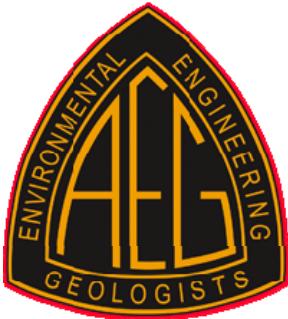
PBS Engineering and Environmental

Portland State University

The Oregon Section Newsletter

OREGON SECTION AEG NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Section or other Sections, and other interested people who have requested and paid a local subscription fee of \$10.00. E-mail subscriptions are free. News items are invited and should be sent to: Scott Braunsten, OR Section AEG Newsletter Editor, PBS Engineering and Environmental, 4412 SW Corbett Avenue, Portland, OR 97239, e-mail: scott.braunsten@pbsenv.com, phone (503) 417-7737. Electronic media is preferred. Deadline for submittal is the 20th of the month. Advertising: business card \$100/yr; 1/4 page \$200/yr; 1/2 page \$350/yr. Please notify Scott if you have a change to your email or mailing address.

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public 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.



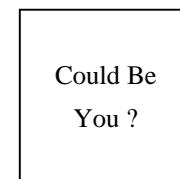
Section Officers & Committee Chairs



Chair:
Robin Johnston
AMEC Environment & Infrastructure
Robin.johnston@amec.com



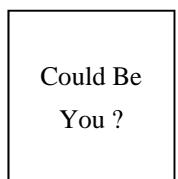
Program Co-Chair:
Michael Marshall
GRI
mmarshall@gri.com



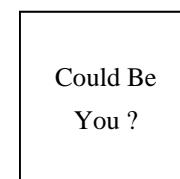
Legislature Chair:
Vacant



Chair Elect:
Darren Beckstrand
Cornforth Consultants
dbeckstrand@cornforthconsultants.com



Program Co-Chair:
Vacant



Continuing Education Liaison:
Vacant



Treasurer:
Linda Mark
Vigil-Agrimis
lmark@vigil-agrimis.com



Field-Trip Chair:
Vacant



Newsletter Editor:
Scott Braunsten
PBS Engineering and Environmental
scott.braunsten@pbsenv.com



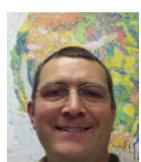
Secretary:
Adam Reese
Ash Creek Associates
AReese@ashcreekassociates.com



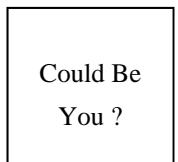
Membership Chair:
Ruth Wilmot
Columbia Geotechnical, Inc.
ruthwilmot@comcast.net



Webpage Editor:
Keith Olson
kvo@pdx.edu



Past Chair:
Kevin Schleh
Geocon NW
Kevin@GeoConNW.com



History Chair:
Vacant



PSU Student Chapter President:
Ann Stansbary
ann.m.stansbary@gmail.com

The Oregon Section is also on the web at <http://www.aegoregon.org>
National AEG webpage: <http://aegweb.org>