



The Official

OREGON SECTION AEG NEWSLETTER

<http://www.aegoregon.org>

February Meeting Details

Tuesday, February 16th

Location: Old Market Pub

6959 SW Multnomah Blvd

Portland, Oregon

6:00 pm Social

6:45 pm Dinner

7:30 pm Presentation

Dinner: Salad and Pizza

\$20 Dinner

**Students FREE with RSVP
(\$5 if no RSVP)**

Reservations:

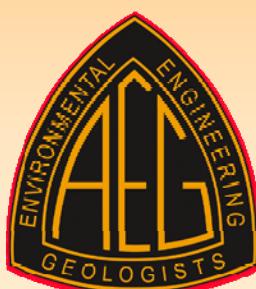
RSVP@aegoregon.org

**with "AEG Reservation" in
the subject line by 4 pm
Thursday Feb 11th**

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

Upcoming Meetings:

Mar 17th Joint AEG/AWG
Apr 19th Paul Santi
**May 17th Jerry DeGraff and
Student Poster Night**



Sediment Remediation – Current Practices with Examples from Puget Sound; Residuals & Release Reduction & Activated Carbon

Guest Speaker: Robert Webb

RSS WILL BE HOSTING
THE BEVERAGES

Large Sediment Remediation projects are very complex, involving a variety of current and future risks and costs that must be understood and evaluated prior to remedy implementation.

Presentation will review current industry practices with particular focus on recent developments, including methods focused specifically to reduce or eliminate residuals and the use of activated carbon.

Residuals and releases from remedial dredging activities have continued to be a major issue of concern when evaluating potential remedial actions to be undertaken at a site and during remedy implementation. Many projects have identified the presence of residuals after dredging without identifying the mechanics that resulted in the generation of the residuals nor adaptive management methods implemented to successfully reduce residuals.

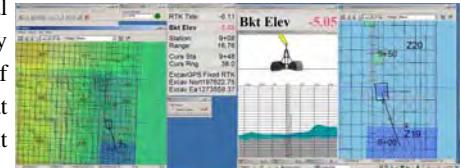
Remediation Dredging Methods (RDM's) developed over the last decade to reduce and eliminate the generation of residuals and the associated releases during removal of contaminated sediment from the waterway will be discussed. These RDMs, patterned after the successful Head of Hylebos Remediation in Tacoma, Washington (2005), have been refined and used over three dredging seasons (2013 thru 2015) on the Duwamish Waterway in Seattle, Washington to produce results including little to no residuals in many locations and low documented losses.

These methods include the use of current technology including RTK -GPS and real time precision navigation systems which allow the operator to accurately and precisely control the placement of the bucket throughout the dredge cycle.

Currently, one of the developing areas in sediment remediation involves the use of activated carbon added to either caps as a reactive capping or as part of enhanced natural recovery (ENR). The use of activated carbon at several sites in Puget Sounds will be reviewed, including discussion of various types of carbon, related properties and their implications of placement.



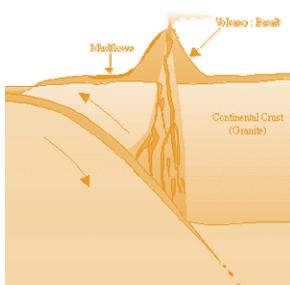
Instrumented Fixed Arm Excavator Dredge



Dredge Operator Navigation Display



Activated Carbon Placement by Telebelt



Bio: Robert Webb, PE

Rob is a Coastal Engineer with 20+ years of experience, focused on Sediment Remediation. He has been involved with many sediment remediation projects across the country, including the design and construction management of the Head of Hylebos Waterway in Tacoma, WA, and Duwamish Waterway in Seattle, WA. Rob is also the design engineer for several remediation projects using various types of activated carbon.

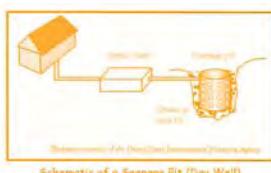
Thank You RSS for Hosting the February Meeting Beverages!



Thanks to Research Support Services (RSS), Inc., for hosting the beverages at the February meeting! RSS has vessels, sampling equipment, and know-how to meet most of the sampling, data collection and vessel support needs of the consulting community—from sediment coring and surface sampling to habitat surveys and instrument deployment. By exclusively focusing on the environmental niche, RSS has developed the professional care and attention to detail that are so important in the data-gathering phase of your projects.

Message from the Chair

The year is off to a great start and thanks very much to everyone who attended the Joint ASCE/AEG meeting in January. This is always a successful meeting and I'm certain that we had over 100 engineers and geologists in attendance. Those present enjoyed Oregon Section Chair Elect Stephen Hay and Cornforth Consultant's Ben George deliver their fantastic "Mount Hood Highway (US 26) Safety & Preservation Project" presentation. This is an exciting project and familiar to all of us, so it was the perfect talk for the joint meeting. With beverages hosted by HUESKER, Inc., a good time was had by all.



Prior to the Joint ASCE/AEG meeting, the Oregon Section Board of Directors held our first meeting of 2016. The agenda items of key importance were determining the path forward for establishing a dedicated Legislative Support Fund for our Section, as well as setting the award amount and criteria for the 2016 Student Awards. At this point, the Board is committed to the concept of setting aside Section funds to respond to threats to professional practice or licensure in Oregon and we're in the process of determining how (within our non-profit tax designation) to ensure that these funds are readily available so that they can be used for that purpose. For the Student Awards, the Board voted to award up to two \$1,250 travel grants for Student AEG Members to attend the 2016 Annual Meeting in Kona, Hawaii. See the Student Award announcement on Page 4 of this newsletter for additional details.

I look forward to seeing you back at the Old Market Pub on Tuesday, February 16th when we welcome presenter Rob Webb, PE, of Dalton, Olmsted, and Fuglevand. With the Portland Harbor Superfund Site cleanup on the not-too-distant horizon, Rob's topic "Sediment Remediation – Current Practices with Examples from Puget Sound" will provide a preview of many of the remediation methods that will be implemented here in Portland. A break from the norm in terms of subject matter, this will be a great environmental talk delivered by a regional expert. **In addition, I'm pleased to announce that Research Support Services (RSS), Inc. will be hosting the beverages!** We hope to see you there!

Finally, we are excited to announce that our March meeting will be a joint meeting with the Association for Women Geoscientists (AWG)! Our presenter will be geoarchaeologist Brandy Rinck of SWCA. Please note the meeting date of Thursday, March 17th (St. Patrick's Day).

See you at the Old Market Pub,

Adam Reese, CEG
Oregon AEG Section Chair

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

Karl Terzaghi



74th Annual Oregon Academy of Sciences

Saturday, February 27, 2016

Where: Pacific University, Forest Grove, Oregon

Geology Section is looking for papers!

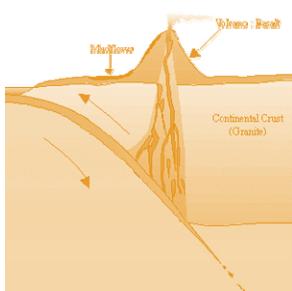
Deadline for abstracts for the meeting: Friday, February 5, 2016 to Scott Burns, Chair of Geology
Division: burnss@pdx.edu (max. words = 250) and tell us whether it is a poster or oral presentation (20 minutes)

Schedule for the day:

Registration and snacks:	8-9 AM
Poster Session	9-10 AM
Talks	10-12 AM
Lunch	12-1 PM
Plenary Talk	1-2 PM (Vince Remcho, Scientist of the Year last year, Oregon State)
Afternoon talks	2-3 PM

Website: www.oas.pdx.edu

Any questions - email Scott Burns (burnss@pdx.edu) or 503-725-3389.



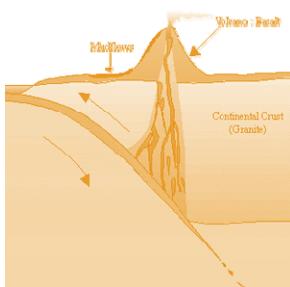
Legislature Update

In the most recent edition of the Oregon Geologist Examiner, the Oregon State Board of Geologist Examiners (OSBGE) announced that they plan to start an investigation to determine if continuing education (CE) requirements should be added to the registration program. You can read the article at the following link:

http://www.oregon.gov/osbge/pdfs/Newsletters/OSBGE_Examiner_Winter2016.pdf

The question OSBGE is asking is “would mandatory CE for registrants better assure that the practice of geology in Oregon is protective of the public health, safety and welfare”? OSBGE plans to start outreach to registrants soon, which may include face-to-face forums, questionnaires, email notices, and polling. However, OSBGE is also asking for any comments or suggestions you may have now, and is encouraging registrants to get involved early. There is currently no official timeline for this decision. However, OSBGE may decide on whether to proceed further with CE development towards the end of the year, once they feel that sufficient outreach has been completed. You may send comments to OSBGE by email to osbge.info@state.or.us or by writing to the Board office. Keep an eye out for future opportunities to participate in this discussion.





Oregon Section of AEG Student Award to Attend 2016 Annual Meeting in Kona, Hawaii

Two awards of \$1,250 each will be given to two Student Members of the Oregon Section of AEG meeting the following criteria:

- **Completion of the Application for Student Award to Attend the 2016 Annual Meeting** - Application submittal to the Oregon Section Board (board@aegoregon.org) of AEG due by 10 p.m. on Friday June 24, 2016.
- **Active AEG Oregon Section Student Membership** - Any Student Member of the Oregon Section of AEG is eligible for this award. If you are not currently a Student Member of AEG, you may register for free online at www.aegweb.org.
- **Presenting at the AEG 2016 Annual Meeting in Kona** - Abstracts for presenting at the 2016 AEG Annual Meeting must be submitted online to AEG no later than May 1, 2016. Those people submitting abstracts should be notified by the AEG Technical Committee of abstract acceptance by June 1, 2016. A copy of the notice of acceptance from the Technical Committee must be submitted with the application.
- **Essay** (250 to 500 words) - Describe in an essay your geologic activities outside of the university classroom and demonstrate how these activities relate to your geologic professional goals. Activities might include attendance at geology-related meetings, professional field trips, mentorship experiences, volunteering in the community, working in a lab, etc.



Complete applications for this award are due no later than 10 p.m., Friday, June 24, 2016. Selection of the award winners is at the sole discretion of the Oregon Section Board of AEG. The Oregon Section Board of AEG reserves the right to not select a winner or winners if there are an inadequate number of submissions or if applicants do not meet the minimum requirements. We expect to decide on the winners of the award by July 1, 2016.

See the Application Form on Page 5 for submittal details.

Additional award opportunities are available to students, including:

- Complimentary registration from AEG to students who volunteer at the 2016 Annual Meeting.
- Various scholarship and grant opportunities through AEG Foundation (amounts vary), described at <http://www.aegweb.org/?page=ScholarshipsGrants>.

Not a Student?

- Check out the Educators and Young Professional Travel Grants:
<http://www.aegannualmeeting.org/#!registration/ch6q>



Application for Oregon Section of AEG Student Award to Attend the 2016 AEG Annual Meeting

Student Name: _____

AEG Student Member Number⁽¹⁾: _____

College/University: _____

Address (if your address will be different over the summer, please supply both your current and summer address, if applicable):

E-mail: _____

Phone number: _____

Title of Presentation⁽²⁾:

Attach a 250- to 500-word essay³ describing your geologic activities outside of the university classroom and demonstrate how these activities relate to your geologic professional goals. Activities might include attendance at geology-related meetings, professional field trips, mentorship experiences, volunteering in the community, working in a lab, etc.

1 - Student membership with AEG is free. An application is available at

http://www.aegweb.org/docs/my-member-documents/student_new_graduate_member_application.pdf

2 - Submit a copy of your abstract with this application, and a copy of the notice from the AEG Technical Committee indicating your abstract was accepted for presentation at the 2016 AEG Annual meeting.

3 - Attach essay and additional supporting documentation, if applicable.

Applications are due no later than 10 p.m., Friday, June 24, 2016. It is the intent of the AEG Oregon Section Board to select the award winners by July 1, 2016. Selection of the award winners is at the sole discretion of the Oregon AEG Board.

Please submit the application package via email to all five members of the Oregon Section Board:

Oregon Section Chair, Adam Reese:

AREese@Apexcos.com

Oregon Section Chair Elect, Stephen Hay:

stephen.hay@odot.state.or.us

Oregon Section Treasurer, Mark Swank:

mark.swank@pbsenv.com

Oregon Section Secretary, Chris Humphrey:

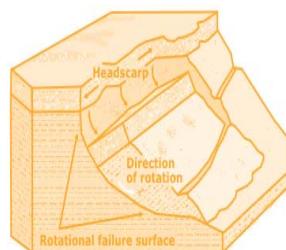
geohumphrey@yahoo.com

Oregon Section Past Chair, Linda Mark:

lmark@esassoc.com

"The earth is large and old enough to teach us modesty."

Hans Cloos



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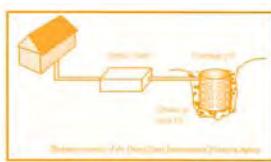
A photograph of a large, open field with dry, yellowish-brown grass. In the foreground, a red geophysical receiver unit is connected by a cable to a black towline. Several other black towline markers are scattered across the field. A line of trees is visible in the background under a clear blue sky. The top portion of the image contains the company's branding.

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Schematic of a Seepage Pit (Dow Well)

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“Keen observation is at least as necessary as penetrating analysis”

Karl Terzaghi

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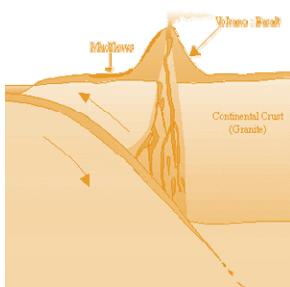
Rock Bolt Shotcrete

Avalanche Nets

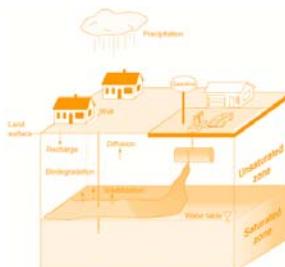
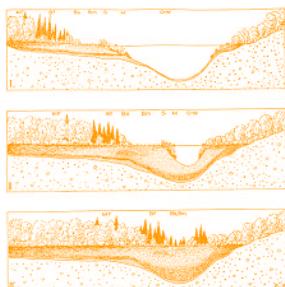
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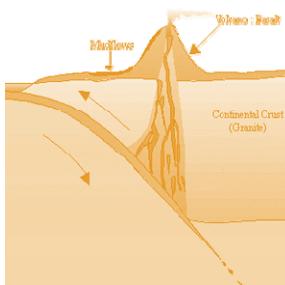
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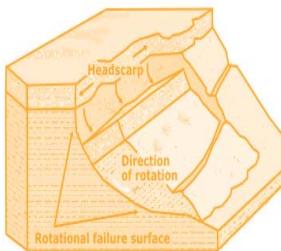
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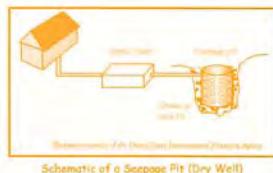


Diagram courtesy of the Oregon Department of Environmental Quality, Agency

Schematic of a Seepage Fit (Dry Well)

Thanks For Supporting AEG

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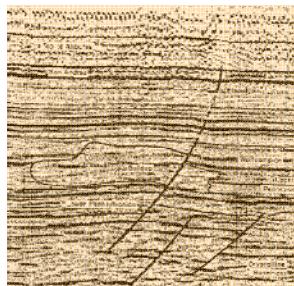
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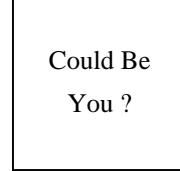
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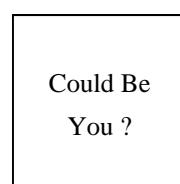
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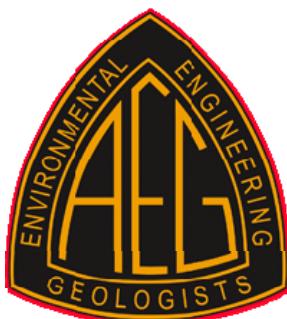
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National AEG webpage:
<http://aegweb.org>

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The Oregon Section Newsletter

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