

NISQUALLY CHAPTER OF THE
ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS

The Official

AEG Nisqually Chapter Newsletter

Meeting Details

Tuesday May 2nd

Location: Mercato Ristorante

111 Market St NE

Olympia, WA

6:00 pm Social

7:00 pm Presentation

Dinner: Pizza and Salad

\$25 Member or Non-Member

\$15 Educators or Job Seekers

\$5 Student

Virtual attendance is free

Upcoming Meetings:



May is Double Trouble!

Talk 1: The Emergency Replacement Well for Valley Water District's Butte System.

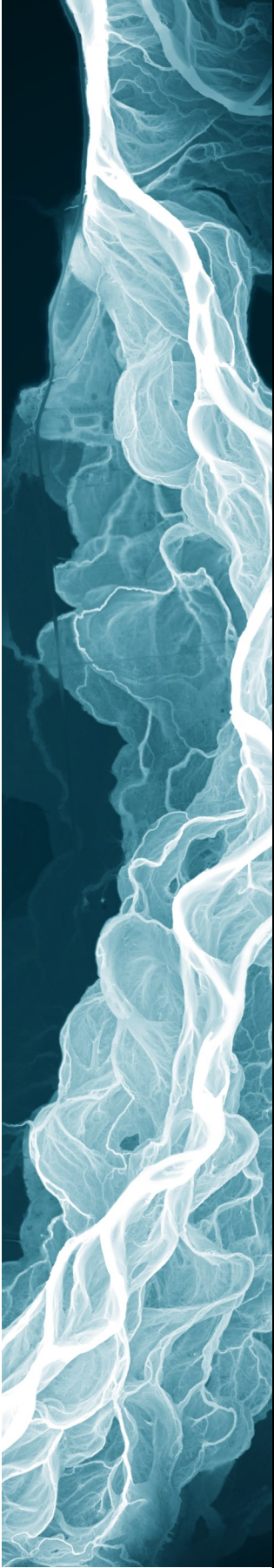
The Valley Water District required the drilling of an emergency preplacement well at their Buttes water system. While it was initially envisioned as a relatively straightforward project, a number of challenges and complications were faced during the permitting, drilling, construction, and testing of the well, but ultimately the project was successfully completed. In this presentation, Mike will share the experience, as well as some of the lessons learned.

Bio: Mike Piechowski, LHG

Mike is a Principal Hydrogeologist at Robinson Noble with 27 years of professional experience. He is an expert in the design, construction, testing, and rehabilitation of water wells, and is familiar with all commonly-used drilling and well rehabilitation techniques. Mike has extensive experience with well video inspections, infiltration testing, groundwater monitoring instrumentation, and the completion and interpretation of downhole geophysical surveys. In addition, he has completed a number of regional groundwater resource evaluations and is proficient with analytical, analytic element, and numerical groundwater flow modeling. Mike is the current president of the Washington State Ground Water Association, chairs the National Groundwater Association's Northwest Regional Policy Committee, and is an active member and was the founding chair of the Nisqually Chapter of the Association of Environmental & Engineering Geologists.



Meeting Sponsor: We are excited to announce that Mike Piechowski/ Robinson Noble are going to be sponsoring the first \$500 of drinks at this month's meeting! Cheers!



Talk 2: Career prospects in Geology; from publicly traded global firms, to employee-owned regional consultants, to state governmental work. My experiences and discussion.

Completing a degree within the geologic sciences is a feat in and of itself. But what comes next? In this presentation I will be discussing my personal experiences post-graduation working in a variety of business models, and what I've learned from each of them. There are pros and cons to each that I was unaware of prior to experiencing them firsthand. After a brief presentation, I would like to open to the floor for discussion with students and working professionals alike, to ask questions and/or offer insight. The goal of this presentation is to help early career Geologists make more informed decisions on how they would like to direct their career goals.

Bio: Brittany Dayley, LG

Brittany is a licensed geologist in the state of Washington who has a diverse background in both underground and surface production gold mining and void hazard drilling, slope stability assessment, natural resource characterization, mine permitting as well as geotechnical drilling, logging and material testing. She has served as the Chair of AEG for the last two years. In her free time she enjoys gardening, hiking, traveling, doing geologic outreach and embarrassing her teenage children.



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Upcoming Meetings:



Please RSVP by 4 pm Monday, April 3rd if you plan on attending in person. RSVP at:

<https://m.bpt.me/event/5999343>

COVID vaccination required for in-person attendance

Zoom Meeting Info:

Topic: Two 30-minute "Ted Talks" from Mike Piechowski and Brittany Dayley

Time: May 2, 2023 05:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

[https://us02web.zoom.us/j/88972570712?](https://us02web.zoom.us/j/88972570712?pwd=aEY5OC9BRjVPVlE0bktJUW1nN0JqZz09)

[pwd=aEY5OC9BRjVPVlE0bktJUW1nN0JqZz09](https://us02web.zoom.us/j/88972570712?pwd=aEY5OC9BRjVPVlE0bktJUW1nN0JqZz09)

Meeting ID: 889 7257 0712

Passcode: 019440

One tap mobile

+12532050468,,88972570712#,,,,*019440# US

+12532158782,,88972570712#,,,,*019440# US (Tacoma)



Message from the Chair

May is the final meeting for 2022-2023 Winter/Spring segment of AEG Nisqually

As we wind down the winter/spring segment of 2022-2023 AEG Nisqually, I wanted to highlight some of the awesome things our group has accomplished this year. We've seen some new faces join our group, heard some amazing presentations ranging from mega-floods of BC, rope-access to steep slopes, landslide case studies and more! We were also able to upgrade some of our tech resources to continue to carry on our hybrid meetings.

Board Member elections this fall:

With that in mind, it is time to start thinking about Board Membership and upcoming elections for this fall. We are seeking submissions for all who are interested in participating. Additionally, we would REALLY like to add a field trip chair. Applicants can be either students, working or retired professionals. The benefits alone of joining the Board are worth it. You will be able to network with some of the best and brightest engineering geologists in the area, practice your organization, speaking skills, networking and truly have the opportunity to contribute in the development of our organization. If this is something you're interested in, please don't hesitate to reach out to us at AEGNisqually@gmail.com.

Speakers for 2023-2024 segment:

In addition to seeking fresh talent for our board, we are also looking for speakers next year! If you, or someone you know, has a presentation they would like to share with our group, let us know! We would love to hear from you! My hope for next year is that we can include a few more 'environmental' themed presentations to round out our strong engineering backbone.

Student Scholarships from the Northwest Geological Society (NWGS)!

The NWGS currently have \$1000 scholarship awards to be distributed directly to students who meet the following criteria:

- Must be a current member of NWGS
- Enrolled in a 2 or 4 year college
- Have a major in Earth Sciences or be taking courses towards a Earth Sciences career.

Submissions open on April 4, 2023 and close on May 31, 2023. Interested students can find the application here: <https://nwgs.org/nwgs-student-scholarship/>

Washington Geologic Survey – The new aggregate resource inventory of Kitsap County has been published!

[From the WGS publication Abstract] - The inventory identifies potential sources of aggregate—both sand and gravel, and bedrock (rock and stone)—using a combination of surficial and bedrock geologic mapping, subsurface information from boreholes and water wells, aggregate testing data, and records of current and historical mining activity. Our aggregate resource classification scheme assesses both the quality and quantity of potential resources. In total, our inventory classifies 64,396 acres of land as having the potential for economically significant aggregate resources, which is about 25 percent of the county's land area. For sand and gravel resources mapped as Inferred and Demonstrated (our highest-certainty resource classifications), we estimate 600 million to 1.3 billion cubic yards of aggregate (970 million to 2.3 billion tons). Due to the difficulty of quantifying the thickness of bedrock aggregate sources, we did not estimate their volume or tonnage. More information can be found here: [New Aggregate Resource Inventory of Kitsap County Published! – WASHINGTON STATE GEOLOGY NEWS \(wordpress.com\)](#)

Cheers,
Brittany Dayley
wageologist@gmail.com

Current Job Postings:

Job Title (Linked)	Employer	Closing Date
Geologist	HDR (Olympia, WA)	08/01/2023
Environmental Engineer/Geologist	Jacobs (Remote in Olympia)	Continuous
Hydrogeologist – Entry to Mid-level	Robinson Noble (Tacoma, WA)	Continuous
Hydrogeologist 1	Department of Ecology (Flexible/hybrid)	Continuous
Senior-level Environmental Scientist, Geological or Hydro-	Aspect Consulting (Hybrid or in-office)	Continuous

Meetings Sponsor Updates:

We are seeking sponsorship. We accept support big and small. If you are interested in supporting our chapter, please reach out to us at aegnisqually@gmail.com

Section Officers & Committee Chairs



Chair:
Brittany Dayley
Landau Associates



Vice Chair:
Samantha Denham
Mud Bay Geotechnical
de



Treasurer:
Emilie Richard
Washington Geological Survey



Secretary:
Jennifer DiGiulio
WSDOT



Newsletter:
Kate Mickelson
Washington Geological Survey



Virtual Meetings Chair:
Kara Jacobacci
FEMA Region X

Field-Trip Chair:
Vacant

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

The AEG Nisqually Chapter Newsletter

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.

AEG NISQUALLY CHAPTER NEWSLETTER is published monthly from September through April. Subscriptions are for members of AEG affiliated with the Nisqually Chapter or other Chapters, and other interested people. E-mail subscriptions are free.

Mailing List sign up link: <http://eepurl.com/c5gyKn>

