

NISQUALLY CHAPTER OF THE  
ASSOCIATION OF ENVIRONMENTAL &  
ENGINEERING GEOLOGISTS

The Official

# AEG Nisqually Chapter Newsletter

## Meeting Details

Tuesday October 4th

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

## “A Remarkable Late Pleistocene Megaflood in Southwestern British Columbia”

About 11,500 years ago, at the end of the Pleistocene, floodwaters up to 100 m deep raced down the Fraser Canyon from south of Williams Lake to present-day Hope, BC. Upon reaching Hope, the flood entered and spread westward across the Fraser Lowland before entering the sea south of Vancouver. In this presentation, I describe the flood and its effects on the landscape and explain its cause

**This is an in-person meeting with a virtual speaker. Drinks are being sponsored by Mud Bay Geotechnical**

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

<https://bpt.me/5313019>

\*COVID vaccination required for in-person attendance\*

## Zoom Meeting Info:

Join Zoom Meeting:

<https://us02web.zoom.us/j/88487239015?pwd=Yzg2UEJTNm1lWFF0YzIJS2JlNElFZz09>

Meeting ID: 884 8723 9015

Passcode: 062826

One tap mobile

+12532158782,,88487239015#,,, \*062826# US (Tacoma)

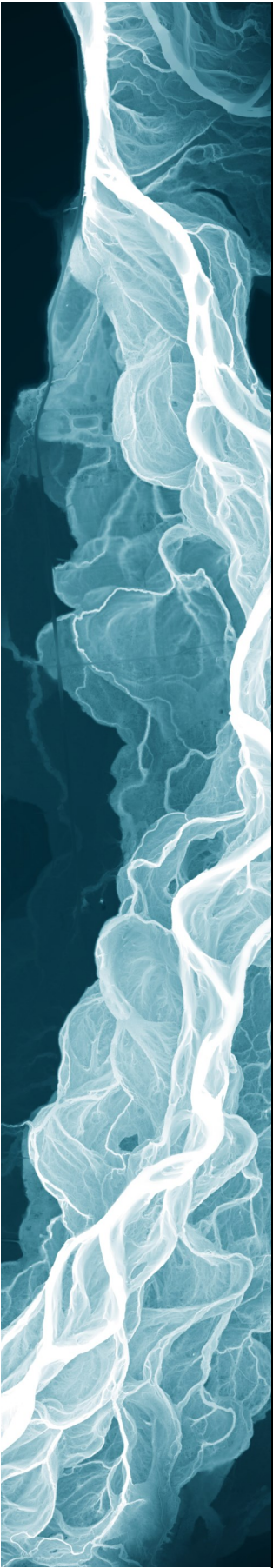
+16694449171,,88487239015#,,, \*062826# US

## Upcoming Meetings:



## Bio: Dr. John Clague

John Clague was educated at Occidental College (BA), the University of California Berkeley (MA), and the University of British Columbia (PhD). He worked as a Research Scientist with the Geological Survey of Canada (1975-1998), and as a Professor in Earth Sciences at Simon Fraser University (1998- 2016). In retirement, he runs his own consultancy. Clague is a Fellow of the Royal Society of Canada, former President of the Geological Association of Canada, and Past-President of Engineers and Geoscientists BC. He was inducted into the Order of Canada in 2020.





## Message from the Chair

### Welcome back

We're excited to kick off the 2022-2023 year here at Nisqually AEG! On October 4<sup>th</sup> we will be hosting our first ever remote speaker! We hope to see you all at our regular venue for dinner, drinks, and Q&A. In fact, we've got a great line-up of presentations to share with you throughout the fall, and we're always looking for more! This summer we were excited to kick off our first annual Geologists at the Beach social! There were paddleboards, foldout kayaks(!), raffles, swag, beers and more! Additionally, our generous hosts invited us back next summer, so we're hoping this can turn into an annual social event.

### 2022-2023 Election Results:

Trick question! It's meeee.

Ok, joking aside, we've had a wonderful post COVID 2021-2022 year with our former board members. Without the assistance of Susie Wisheart, Stephen Newman and Kara Jacobacci the previous year would have been....bumpy. Without further ado, I'm pleased to announce the following board line-up for the 2022-2023 year:

#### Chair: Brittany Dayley, LG

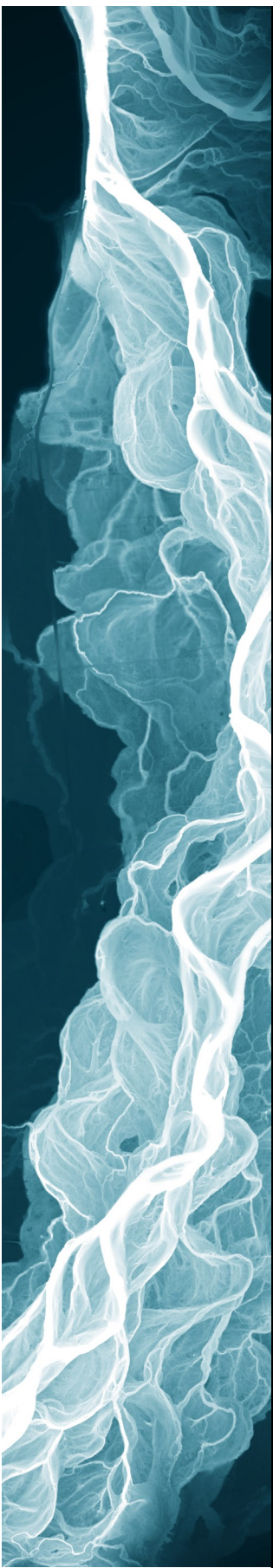
Brittany Dayley is a Senior Project Geologist with Geotechnical and Environmental Consulting Firm, Landau Associates out of the Olympia office. Brittany has a uniquely diverse background. Her experience includes ground control rehabilitation in weak rock mine operations up to 2000-ft underground, developing and managing a running major 24/7 geotechnical void targeting drilling at 11,000-ft elevation, open pit narrow vein mining ore control. She has also worked with the DNR as the Olympia Region Geologist as well as the Mining and Minerals Program Manager for the State. Currently she is running all around the Pacific Northwest drilling, exploring, and reporting on all her favorite places.



#### Vice-Chair: Samantha Denham, GIT

Samantha Denham is a tenacious geoscientist drawing on skills from her diverse background. Samantha served as an aircraft mechanic on Special Operations C-130 cargo aircraft in the United States Air Force and has worked as a military contractor for companies such as Boeing and Lockheed Martin. She returned to school in 2013 pursuing her love of the Earth and science and in 2018 Samantha graduated summa cum laude with a Bachelor of Science Geoscience degree from Pacific Lutheran University. Samantha is also a mother of three children, ages, 8, 19 and 20, and her husband has proudly retired from the United States Air Force.





#### Treasure: Emilie Richard, GIT

Emilie is a member of the Landslide Hazards Program at the Washington Geological Survey where she helps create lidar based landslide inventories for areas across Washington State. Emilie grew up in Brooklyn, NY and before moving to the Pacific Northwest she completed her Master's Thesis research developing a landslide inventory and susceptibility model for northeast Minnesota. Professional interests include geologic hazard mapping, landscape evolution, rivers, science communication, and field trips! Personal interests include playing soccer, raising chickens, and hanging out with other geologists.



#### Secretary: Jennifer DiGiulio, LG.

Jennifer DiGiulio, LG, is an Engineering Geologist at the Washington State Department of Transportation with 6+ years of professional experience in consulting, oil and gas, and state and federal government sectors (WSDOT; U.S. Department of Energy). Jennifer has varied environmental and engineering geology experience including evaluating rock slope and landslide hazards, developing geotechnical drilling field programs, and participating in soil and water sampling and vegetation surveys in a variety of environments and geologic terrains. Jennifer is skilled in contributing to multidisciplinary teams of geologists, engineers, field technicians, and drillers, and is excited at the opportunity to contribute to the continued success of the AEG Nisqually Chapter.



## 65<sup>th</sup> Annual AEG Meeting – Geology in the Wild

This year AEG took their annual meeting to the city of sin, Las Vegas. Not everything that happens there stays there though. I unfortunately didn't make it myself this year, but we would love to hear from those who were!

This year's line-up was chalk full of quality field courses, technical programs and exhibits galore! From the Hoover Dam hard hat tour to tunneling and land subsidence symposiums along with some amazing case studies. Now is the time to mark your calendars, next year the yearly national meeting will be coming to Portland!





## Upcoming Webinars and remote meetings

### Geohazards & Mitigation Case Studies

September 21, 2022 from 8:00 AM – 10:00 PM PST

**Cost: Free for AEG members / \$20 for Non-Members**

[Members register here](#)

**Speaker:** Dru Miller

Geohazards present threats in numerous settings including along transportation routes, mines & quarries, and dams just to name a few. This webinar will cover identifying types of geohazards as well as some different mitigation techniques. We'll then cover a few interesting case studies on landslide and rockfall repair.

## Please make sure to select AEG Nisqually when you renew your membership this year!

When you renew your annual AEG membership, please be sure to select Nisqually as your Chapter. It puts a few bucks into the Chapter pool and helps us track our numbers.

We look forward to seeing you at next month on October 4<sup>th</sup>! We will be meeting at Mercados. Signage will be posted at the front door to direct attendees to the conference room.

Cheers,  
Brittany Dayley  
[aegnisqually@gmail.com](mailto:aegnisqually@gmail.com)

## Meetings Sponsor Updates:

We are excited to announce our first official sponsor! This month's meeting is being sponsored by Mud Bay Geotechnical Services based out of Olympia Washington.

## 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>

