



NORTHWEST GEOLOGICAL SOCIETY

A regional association of professionals, students, & others interested in geology
Please visit www.nwgs.org for more about us

March, 2021 Newsletter

Volume 35, Number 3

March 9 Program Speaker

Zoom meeting link will be in the meeting reminder email to registered members prior to the meeting. If you are not a member, please email nwgs.secretary.com for the link.

Reservations are not needed (we may now host up to 500 participants!)

6:30pm: social hour small group break-out sessions; **7:30pm:** announcements and speaker program

Speaker: Gordon Grant, USDA Forest Service, The Hydraulics of High-Energy Geologic Fluids (or the Physics of Whitewater)

Abstract: If you've ever wondered why some rivers have whitewater, and what that tells us about underlying processes of fluids on Planet Earth, this talk will answer those questions and more. Starting with rivers, and then on to lava flows, I will explore the physics (easy!) of whitewater, and implications for interpreting a variety of geological phenomena on Earth and even other planets!

JOIN THE PROGRAM VIA ZOOM! Join the program by clicking the link above. There is no cost, and a reservation is not needed. You may join for both the social hour and the speaker program, or just the speaker program, **limited to the first 100 attendees**. During the speaker presentation, your microphone will be muted by the program host, but it is your option as to whether or not to mute your camera. A Q&A session will follow the presentation. During the presentation, click the **Chat** link at the bottom of the screen to type a comment or question to the general audience, or the **Raise my hand** link to directly ask the speaker a question or make a comment and the host will call on you.

Click on the **Zoom link** above to join the meeting

See www.nwgs.org for the full Zoom information.

Upcoming Speakers and Field Trips

Apr 13: Pat Pringle, Centralia College Emeritus, Dendrochronology cross-dating of the Bonneville Landslide

May 11: Paul Belanger, Sound Water Steward, topic TBA

Spring, 2021 Field Trip: It is unlikely the world will be ready for us in time.

Fall, 2021 Field Trip: possible rescheduling of Sky Cooley's field trip to the Othello area.

If you would like to volunteer to give a talk or lead a field trip for NWGS, please contact President [Chris Kimmel](mailto:Chris.Kimmel).

Please see the [NWGS website](http://www.nwgs.org) for detailed announcements

Contact webmaster [Julie Masura](mailto:Julie.Masura) if you have any announcements to post on the website.

Announcements

- **Membership dues** for 2020/21 are due now. If you paid for 2019/20, your dues will be rolled over to the upcoming year. To pay, go to NWGS.org or mail a check or money order NWGS. See **About NWGS** below for amounts and the mailing address.
- **Please consider volunteering** for the upcoming President-Elect vacancy or one of the other **at-Large Board positions**. For more information to volunteer, please Contact President [Chris Kimmel](#).
- The Association of Environmental & Engineering Geologists Foundation (AEGF) is seeking student scholarship donations. Donate [here](#) and get a “Geologists are Essential Workers” magnetic bumper sticker!
- The [Tobacco Root Geological Society](#) is planning an exciting field trip in the Pocatello, ID area, July 29-Aug 1, 2021, in conjunction with their annual symposium. All are welcome. See their [website](#) for details and registration.
- **Next Board Meeting:** Tues., March 9, 5:30pm via Zoom.

NWGS needs great people like YOU!

Photo Spotlight



Standing waves on a small sand-bed creek before it enters the Pacific Ocean.

About NWGS

The [Northwest Geological Society](#) is a non-profit educational organization which provides a forum for information and discussion on Northwest geology and related topics. The Society sponsors talks by leading academic and professional geologists at its monthly meetings, conducts field trips to locales of regional geologic interest, and publishes meeting summaries and field guides based on those activities. Membership is open to anyone interested in regional geoscience issues.

Program meetings are the 2nd Tuesdays, October through May. **Until we are able to meet in person again, meetings will be held via Zoom (see p. 1 or NWGS.org for the link). Anyone may attend the speaker the speaker program at no cost, and a reservation is not necessary.**

Field trips (members only): The Society sponsors two overnight field trips each year, in the fall and the spring, to locales of regional geologic interest. **(Suspended pending pandemic recovery.)**

Membership is open to anybody with an interest in geology. **Annual dues:** Professional: \$55; Student: \$10. **To join or pay annual dues:** go to www.nwgs.org, or mail a check or money order to [Northwest Geological Society](#), 4616 25th Ave NE #397, Seattle, WA. 98105. Please include your name, address, home phone, email, and employer/affiliation (if any).

Please visit [About NWGS](#) for more details.

Recommended Readings

U.S. Geol. Survey, 2021, Just How Long Has the Yellowstone Hot Spot Been Around? U.S. Geol. Survey, Feb. 1, 2021,

https://www.usgs.gov/center-news/just-how-long-has-yellowstone-hotspot-been-around?qt-news_science_products=4#qt-news_science_products .

Piton, Guillaume, and Alain Recking, 2019, Steep Bedload-Laden Flows: Near Critical? Journal of Geophysical Research: Earth Surface 124.8, 2160-2175,

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019JF005021> .

Grant, Gordon E., 1997, Critical flow constrains flow hydraulics in mobile-bed streams: A new hypothesis, Water Resources Research 33.2, 349-358,

http://wpg.forestry.oregonstate.edu/sites/wpg/files/bibliopdfs/97_Grant_CriticalFlow_WRR.pdf.

NWGS Board

President	Chris Kimmel Landau Associates
President Elect	Open Please Volunteer!
Past President	Katie Brower Nelson Geotechnical
Secretary	Amy Knudson
Treasurer	Pam Osterhout Floyd Snider
At-Large Board Members	Maura O'Brien Retired John LaManna Retired

Other Personnel

Membership Chair	George Bennett Bennett Consulting
Field Trip Coordinator	Kathleen Goodman , Wood PLC
Editor & Publications	Tom Bush Pierce College Puyallup
Poster Chair	Open
Webmaster	Julie Masura Univ. of Washington
Facebook Pagemaster	Eric Baer Highline CC

Please send your reading recommendations to Newsletter Editor [Tom Bush](#).

To report a change of email or postal address or request to be removed from mailings, notify Membership Chair [George Bennett](#). Questions or comments? Contact President [Chris Kimmel](#).