

SFS PNW Chapter Meeting – Nov 3-4, 2025

The Riverside Hotel, 2900 W Chinden Blvd, Boise ID

Please call the hotel (208 343-1871) to reserve your room by Oct 21 at the group rate (\$167/night) code “PNW SFS”

Eventbrite registration link: \$50 general attendee, \$25 student

<https://www.eventbrite.com/e/sfs-pnw-chapter-annual-meeting-tickets-1414430191779?aff=oddtcreator>

Monday November 3, 2025		
Time	Title	Speaker
8:00am	Registration	PNW Committee
8:30am	Welcome and Opening Remarks	David Wooster
8:45am	Plenary	Rob Van Kirk – Henry’s Fork Foundation
9:30am	Break/Finish registration	
Session: Big Data		
9:45am	Temperature-driven shifts in macroinvertebrate communities: implications for aquatic ecosystem health and recreational fisheries in the Henry’s Fork Watershed	Jack McLaren
10:00am	Stream macroinvertebrate data in the northwestern US – updates on regional analyses and storylines as we continue to put the pieces together	Jen Stamp
10:15am	Comparability of physical habitat metrics across large-scale monitoring programs in the western U.S.	Jennifer Courtwright
10:30am	Spatial-statistical-network model (SSNM) applications to eDNA, Big Data datasets, and most other stream attributes	Dan Isaak
10:45am	20 minute break	
11:05am	Harnessing airborne thermal infrared survey data of stream temperature across the Willamette River basin	Silvia Gholson
11:20am	Working with different databases and sources	Oliver Miler
11:35am	Revealing human-mediated pathways for aquatic invasive species from volunteered geographic information	Rachel Fricke

11:50am	Lunch (1 hour 10 minutes)	
Session: eDNA		
1:00pm	The challenge of eDNA sample collection method and standardization	Caren Goldberg
1:15pm	Freshwater eDNA mussel monitoring and its importance for water quality management	Corrine Smith
1:30pm	Assessing the distribution and status of native freshwater mussels in the Boise River with environmental DNA	Kristina Parker
1:45pm	Challenges in applying eDNA survey data and metacommunity theory to improve biodiversity assessments	Leonce Ngirinshuti
Session: Miscellaneous		
2:00pm	Grand challenges facing freshwater biomonitoring (virtual)	Edward Krynak
2:15pm	20 minute break	
2:35pm	A refresh to stream restoration monitoring (virtual)	Liz Perkin
2:50pm	Agricultural impacts on invertebrate diversity in the Spokane watershed	Katy Abell
3:05pm	Using beaver effects on macroinvertebrates to inform stream restoration: a meta-analysis	Tucker Hoffman
3:20pm	Within season brain volume variation in predatory fish (virtual)	Tiffany Armstrong
3:35pm	20 minute break	
3:55pm	A generalizable tool for predicting developmental phenology for freshwater poikilotherms	Morgan Sparks
4:10pm	Diversity, variability, and discontinuity: hydroperiod-linked patterns in amphibian body size distributions	Courtney Hendrickson
4:25pm	The impacts of predatory cues and heat stress on Pacific chorus frog antipredator mechanisms, growth...	Clare McGowan
4:40pm	A temperature gradient and a heat shock influence the development and morphology of Pacific chorus frogs...	Annika Rose-Person
4:55pm	Adjourn and Information on Social and Posters	Dave Wooster
5:30pm – 8:00pm	Hosted Social (tamales & drinks) and Poster Session	Barbarian Brewing, 1022 W. Main Street, Boise

Tuesday, November 4th		
Time	Title	Speaker
8:00am	Registration	PNW committee
8:30am	Information and Introductions to the Steering Committee	Dave Wooster
Session: Intermittent Streams		
8:40am	Challenges in predicting variation in stream benthic macroinvertebrate assemblages across gradients of flow	Chuck Hawkins
8:55am	Timber harvesting effects on the intermittency of non-fish-bearing perennial streams...	Welles Bretherton
9:10am	Non-perennial streamflow regimes may be driven by climate forcings across variable timescales	Anna Bergstrom
9:25am	Weight of evidence approach to assign flow regimes to Arizona streams (virtual)	Colleen Cassidy
9:40	20 Minute Break	
10:00am	Intermittent waters in New Mexico	Heidi Henderson
10:15am	Machine learning and simple field observations for streamflow permanence classification...	Kristin Jaeger
10:30am	The effect of summer flow contraction on the foraging ecology of Columbia River redband trout...	Chris Walser
10:45am	Taxonomy Update	John Pfeiffer
11:05am	Lunch and move to DEQ lab (1 hour 25 minutes)	
Workshop: Aquatic Invertebrate Taxonomy		
12:30pm	EcoAnalysts Workshop	
4:00pm	Adjourn	

Posters – Monday Nov 3rd, 5:30-8:00pm, Barbarian Brewery, 1022 W. Main St., Boise

Presenter	Topic
Sidney Ashby	Effects of elevated and extreme temperature events on freshwater zooplankton communities
Gracie Castillo	Expansion of the Rocky Mountain tailed frog distribution in southern Idaho using eDNA detection methods
Lucas Ellingson-Cosenza	Coupled social and ecological trout interactions and their management
Garrison Ferone	Applying spatial stream networks and species distribution models to two decades of Idaho DEQ BURP stream benthic macroinvertebrate samples
Scott Griffith	Distributed embedded system design and performance for dynamic temperature control in tank and mesocosm experiments
Nicholas Howard	The Mini-ISIIS: a plankton imager for shallow freshwater habitats
Colin Martin	Time series dynamics of remotely sensed mesic vegetation used to model shifts in macroinvertebrate assemblages across the sagebrush biome
Serena Miranda	Does invertebrate drift in the Elwha River, WA vary spatially?
Ezekial Peterson	Testing an AI-assisted approach to freshwater macroinvertebrate biomass estimation
Alex Stacy	Evaluating the ecological consequences of ramp-down for cutthroat trout to inform flow management of the upper Snake River, Wyoming
Jack Stafford	Developing DNA barcodes for endemic <i>Capnia</i> stoneflies in Idaho to improve biodiversity and stream monitoring
Bri Stevenson	Predator-prey interactions and body morphology of freshwater species under thermal stressors
Kaitlyn Warner	Challenges in hydrological and biological connectivity for borderless fish and rivers