

PNW SETAC 2025 Annual Conference Boise, ID Agenda (Final Draft, April 8, 2025)

Conference Dates: April 14-16, 2025

Grand Ballroom (Cedar/Aspen) and Evergreen Rooms at *The Grove*: 245 S Capitol Blvd Boise Idaho 83702 Tel: (208) 333-8000

Sunday 4/13/2025 - *Optional* Social/dinner meet up with the PNWSETAC board: The Warehouse Food Hall (370 S. 8th St) <https://www.warehouseboise.com/> ~ 6:30 pm to ~ 9:00 pm; drop-in anytime

Monday April 14, 2025

*student is being evaluated for presentation award

Time Start	Time End	Room/Location	Session Title	Title of Presentation	Speakers/Affiliation
9:00 AM	9:30 AM	Landing	Conference Opens, Check-in, and Networking - Coffee refreshments		
9:40 AM	10:00 AM	Cedar/Aspen	Welcome Address by Chapter Vice President		Mark Surette, WSP
10:00 AM	11:00 AM	Cedar/Aspen	Plenary Talk: Suffering of a tribe, how many generations will feel the effect?		Chairman Mason of the Shoshone Paiute Tribe
11:00 AM	11:20 AM	BREAK/NETWORKING			
11:20 AM	3:10 PM	Session 1: Mountains to Sea - Cross Systems Thinking: Mining - Moderator: Claire Detering, WSP			
11:20 AM	11:40 AM	Cedar/Aspen	Documenting the Bunker Hill lead poisoning story: An interdisciplinary approach to science communication		Whitney Schroeder, TIFO
11:40 AM	12:00 PM	Cedar/Aspen	Critical minerals in the State of Idaho: Rewriting a mining legacy or repeating mistakes of the past?		Ian von Lindern, TIFO
12:00 PM	12:20 PM	Cedar/Aspen	Reevaluating the Legal Framework for the Future of Modern Critical Mineral Mining: Considering Public Health Risks in the Age of Clean Energy		Faith Quigley*, University of Idaho/TIFO
12:20 PM	1:30 PM	Evergreen	Lunch provided at The Grove Hotel meeting rooms		
1:30 PM	1:50 PM	Cedar/Aspen	Long-term trends in metals and nutrients guide remediation and demonstrate success at a northern Idaho Superfund site		Lauren Zinsser, USGS
1:50 PM	2:10 PM	Cedar/Aspen	Increasing Tribal participation in the determination of mining on Indigenous lands: The Shoshone-Paiute Tribe Seven Generations Project		Casey Bartrem, TIFO
2:10 PM	3:10 PM	Cedar/Aspen	Panel Session I: Beyond the Surface: Voices from the Shoshone-Paiute Tribe on Environmental and Social Realities Tribal Chairman Brian Mason, Racheal Thacker, Chris Cleveland (Shoshone-Paiute Tribe), Marissa Snapp (Tribal Environmental Protection Program (TEPP)) & Hattie Conklin (Owyhee Community Health Facility)		
3:10 PM	3:30 PM	BREAK/NETWORKING			
3:30 PM	5:10 PM	Session 2: Mountains to Sea - Cross Systems Thinking: Human Health & Contaminant Exposure- Moderator: Julie Layshock, Pacific University			
3:30 PM	3:50 PM	Cedar/Aspen	Salinity and Organochlorine Pesticide Contamination in Drinking Water in the Aral Sea Region of Karakalpakstan, Uzbekistan		Marina R Steiner*, University of Idaho/TIFO
3:50 PM	4:10 PM	Cedar/Aspen	Reel Partnership: King County Collaborates with Refugee and Immigrant Fishers to Advance Community Health		Jennifer Lanksbury, King County
4:10 PM	4:30 PM	Cedar/Aspen	Metals, POPs, PFAS and Nutrients in Commercially Important Marine Fish Species from Alaska and their impact on fish consumption		Christoff Furin, Alaska Department of Environmental Conservation
4:30 PM	4:50 PM	Cedar/Aspen	Risk Assessment of Microplastics and Comparison of Species Sensitivity Distribution Methods		Sara J. Hutton, GSI Environmental Inc.
4:50 PM	5:10 PM	Cedar/Aspen	Educational Programming in Support of Domestic Mining		Peter Mullner & Steve Crowley, Boise State University
5:30 PM	7:00 PM	Evergreen	POSTER SESSION I: hor d'oeuvres and refreshments		

Tuesday April 15, 2025

Time Start	Time End	Room/Location	Session Title	Title of Presentation	Speakers
8:30 AM	08:55 AM	Landing	Conference Opens, Check-in, and Networking - Coffee refreshments		
9:00 AM	11:00 AM	Session 3: Mountains to Sea: Risk Assessment - Moderator: Sara Hutton, GSI Environmental Inc.			
9:00 AM	9:20 AM	Cedar/Aspen	Integrating a One Health Approach through Addition of Biological and Ecological Endpoints into Comprehensive E-Flows Assessments for the Limpopo River Basin, southern Africa		April D. Reed, ORISE Fellow, US Environmental Protection Agency
9:20 AM	9:40 AM	Cedar/Aspen	Human Health Risk Evaluation Approach for Recreating on CDA Lake		Jeremy Johnson, Alta Science & Engineering, Inc.
9:40 AM	10:00 AM	Cedar/Aspen	Comparison of the Risk Assessment Process Using Discrete and Incremental Sampling Methodology for a Remote Site in Alaska		Grant Walter, Geosyntec Consultants
10:00 AM	10:20 AM	Cedar/Aspen	Risk Assessment in the Last Frontier		Marianne Batchelder, Geosyntec Consultants, Inc.
10:20 PM	11:00 PM	Session 4: Ocean and Estuarine Systems: Pollutant Impacts - Moderator: Mark Surette, WSP			
10:20 AM	10:40 PM	Cedar/Aspen	An in vitro approach for assessing orca skin health: focus on antiviral immunity		John Hansen, Western Fisheries Research Center USGS
10:40 AM	11:00 PM	Cedar/Aspen	How to Assess and Integrate Low PAH Bioavailability into a CERCLA Marine Risk Assessment; Bremerton Gas Works Superfund Site		Ariel Blanc, Anchor QEA
11:00 PM	12:00 PM	Walk to Julia Davis Park	*Optional Activity* Meet in the "Landing" room to start a group walk in downtown Boise to a beautiful city park, Julia Davis Park: https://www.cityofboise.org/departments/parks-and-recreation/parks/julia-davis-park/		
12:00 PM	1:20 PM	Evergreen	Lunch provided at The Grove Hotel meeting rooms		
1:20 PM	3:00 PM	Session 5: Rivers and Freshwater Systems: Storm Water & Monitoring & Toxicity - Moderator: Kenia Whitehead, GSI Environmental Inc.			
1:20 PM	1:40 PM	Cedar/Aspen	Canary in the Creekbed: Real-Time Flow-Through Experiments Demonstrate Urban Runoff's Role in Coho Salmon Declines		Nathan Ivy*, Washington State University
1:40 PM	2:00 PM	Cedar/Aspen	6-PPD Quinone (6-PPDQ) in Sediment: Measurement, Occurrence and Partitioning		Jamie Fox, SGS North America
2:00 PM	2:20 PM	Cedar/Aspen	Primary and immortalized cell models for evaluating the toxicity of 6PPD-quinone and other stormwater pollutants		Justin Greer, USGS
2:20 PM	2:40 PM	Cedar/Aspen	Lethal and Sublethal Effects of 6PPD-quinone on Coastal Cutthroat Trout		Prarthana Shankar, USGS
2:40 PM	3:00 PM	Cedar/Aspen	Investigating acute and sublethal toxicity of para-phenylenediamine derivatives in coho salmon (Oncorhynchus kisutch) for the evaluation of safer alternatives to 6PPD		Anastasia McConachie*, Washington State University
3:00 PM	3:20 PM	BREAK/NETWORKING			
3:20:00 PM	4:20 PM	Cedar/Aspen	Panel Session II: Bunker Hill Remediation and Mitigation Efforts and the Future of Coeur d'Alene Lake. Susan Spalinger (Alta Science and Engineering, Inc.), Rebecca Stevens (Coeur d'Alene Tribe), Jamie Brunner (Idaho Department of Environmental Quality), Lauren Zinsser (USGS)		
			PNW SETAC Chapter Business Meeting: President's address		Michelle Knowlen, EcoAnalysts, Inc.
			PNW SETAC Chapter Business Meeting: Treasurer's Report		Sarah Hutton, GSI Environmental Inc.
4:20 PM	5:00 PM	Cedar/Aspen	PNW SETAC Chapter Business Meeting: SETAC NA		Ruth Sofield, Western Washington University and Mark Surette, WSP
			PNW SETAC Chapter Business Meeting: Board Nominations		
			PNW SETAC Chapter Business Meeting: Feedback from Members		
5:30 PM	7:00 PM	Evergreen	POSTER SESSION II: hor d'oeuvres and refreshments		
7:30 PM	TBD!	Bittercreek Ale House	Student Mixer - all students welcome to drop-in at 246 N 8th St Boise, ID 83702 (https://bittercreekalehouse.com/)		

Wednesday April 16, 2025

Time Start	Time End	Room/Location	Session Title	Title of Presentation	Speakers
8:30 AM	9:00 AM	Evergreen/Landing	Coffee, Refreshments, and Networking		
9:00 AM	10:20 AM	Session 6: Rivers and Freshwater: Ecological Toxicity - Moderator: Michelle Knowlen, EcoAnalysts, Inc.			
9:00 AM	9:20 AM	Cedar/Aspen	Finding Goldilocks: aquatic life criteria for copper that are too simple, too complicated, or just about right		Chris Mebane, USGS
9:20 AM	9:40 AM	Cedar/Aspen	Quashing quagga: Fate and effects to the benthic community of a copper treatment to eradicate invasive mussels in a large western river		Austin Baldwin, USGS
9:40 AM	10:00 AM	Cedar/Aspen	Acute lethal and sublethal toxicity of anticoagulant rodenticides on Pacific salmon		Jen McIntyre, Washington State University
10:00 AM	10:20 AM	Cedar/Aspen	Spatial and temporal trends of mercury in fish from Duck Valley Indian Reservation reservoirs, southwestern Idaho and northern Nevada, 2007-2024		Erin Murray, USGS
10:20 AM	10:40 AM	Break			
10:40 AM	12:00 PM	Session 7: Ocean and Estuarine Systems: Environmental Monitoring - Moderator: Mark Surette, WSP			
10:40 AM	11:00 AM	Cedar/Aspen	Co-Producing a Toxics Research Agenda for Puget Sound Recovery		Sandra Dorning, University of Washington Tacoma
11:00 AM	11:20 AM	Cedar/Aspen	Rising Sea Surface Temperatures in Western Aleutian Islands, Alaska Associated with Decadal Increase in Steller Sea Lion Pup Total Mercury Concentrations		Lorrie Rea, University of Alaska Fairbanks
11:20 AM	11:40 AM	Cedar/Aspen	Decades of citizen-driven environmental hydrocarbon monitoring from Prince William Sound, Alaska		Morgan Bender, Fjord & Fish Sciences
11:40 PM	11:50 PM	Cedar/Aspen	Student Awards		
11:50 PM	12:00 PM	Cedar/Aspen	Closing Remarks		Michelle Knowlen, EcoAnalysts, Inc.
In-person Short Course (with lunch for participants) sign up is required					
12:00 PM	3:30 PM	Ivy	Title: Python Scripting for Environmental Professionals: How to Think Like a Computer Scientist		Gunnar Guddal, Anchor QEA

Poster Galas and Presidents' Receptions Monday and Tuesday 4/14/2025- 4/15/2025 (EVERGREEN ROOM)					*student is being evaluated for presentation award
*Time Start	*Time End	Poster number	Session Title	Title of presentation	Speakers
05:30 PM	7:00 PM	2	Poster Session I (Monday); Even #'s present	Filter Socks: A Simple, In-Line Addition to Optimize Fiber Capture in Microplastic Sampling	Lori-jon Waugh*, University of British Columbia
05:30 PM	7:00 PM	6	Poster Session I (Monday); Even #'s present	Exploring Iron, Manganese, and Zinc Behavior in a campus constructed wetland	Grace Landaverde*, Western Washington University
05:30 PM	7:00 PM	8	Poster Session I (Monday); Even #'s present	Acute Toxicity of Cobalt to a Freshwater Fish (Pimephales Promelas) and the Water Flea (Ceriodaphnia dubia)	Crystal Still, EcoAnalyts, Inc.
05:30 PM	7:00 PM	10	Poster Session I (Monday); Even #'s present	Toxicity Identification Evaluation (TIE) for an Idaho Metals Mine: Possible Sources of Concern Point to Explosives	Danielle Mulligan, EcoAnalyts, Inc.
05:30 PM	7:00 PM	12	Poster Session I (Monday); Even #'s present	Evaluation of the Response of Juvenile Coho Salmon to a Pulsed Exposure of an Alkaline Brine Solution	Jay Word, EcoAnalyts, Inc.
05:30 PM	7:00 PM	14	Poster Session I (Monday); Even #'s present	Roadway Runoff Induced Mortality in Juvenile Coho Salmon During Spring Storm Events	Marlee Brown*, University of Washington
05:30 PM	7:00 PM	16	Poster Session I (Monday); Even #'s present	CCPD: A Potential Safer Alternative to 6PPD for the Environment	Robert Campbell, LANXESS Corporation
05:30 PM	7:00 PM	18	Poster Session I (Monday); Even #'s present	Sensitivity of Pacific lamprey to 6PPD-Q	John Hansen, USGS
05:30 PM	7:00 PM	20	Poster Session I (Monday); Even #'s present	Review and Meta Analysis of Best Management Practices for 6PPD-Quinone Stormwater	Sara J. Hutton, GSI Environmental Inc.
05:30 PM	7:00 PM	1	Poster Session II (Tuesday), Odd #'s present	Dispersed Microplastics in Brazilian Rivers Without Control, Monitoring and Environmental Protection Legislation	Maria Carolina de Almeida, Federal University of Goiás Brazil
05:30 PM	7:00 PM	3	Poster Session II (Tuesday), Odd #'s present	Harnessing the power of spICP-MS in the study of nanogeochemical processes	Brianna Benner*, Western Washington University
05:30 PM	7:00 PM	5	Poster Session II (Tuesday), Odd #'s present	Our Seafood, Our Knowledge - Developing a baseline for hydrocarbon concentrations in Alaskan coastal subsistence foods	Morgan Bender, Fjord & Fish Sciences
05:30 PM	7:00 PM	7	Poster Session II (Tuesday), Odd #'s present	Feeln' the Burn: Localized Air Quality Study in Oregon's Willamette Valley	Julie Layshock, Pacific University
05:30 PM	7:00 PM	9	Poster Session II (Tuesday), Odd #'s present	Molecular assessment of nickel toxicity in a non-model marine tunicate to facilitate cell line development.	Celeste Valdivia*, University of Washington
05:30 PM	7:00 PM	11	Poster Session II (Tuesday), Odd #'s present	Effects of PCBs and PBDEs on Chinook salmon populations in Puget Sound, WA	Ruth Sofield, University of Washington
05:30 PM	7:00 PM	13	Poster Session II (Tuesday), Odd #'s present	Pacific salmon at a Crossroads: a StoryMap	Amirah Casey*, University of Washington
05:30 PM	7:00 PM	15	Poster Session II (Tuesday), Odd #'s present	Assessing Water Quality in South Puget Sound Watersheds: The Role of 6PPDQ and Emerging Contaminants	Kiersten Maxwell, University of Washington
05:30 PM	7:00 PM	17	Poster Session II (Tuesday), Odd #'s present	A Comparison of Commonly Used Extraction Methods for 6PPD-q	Ayden Mudd*, Western Washington University
05:30 PM	7:00 PM	19	Poster Session II (Tuesday), Odd #'s present	Crayfish suitability for 6PPD-Q pollution biomonitoring in Aquatic Ecosystems	Mary Engels, University of Idaho