

MARC 2022 SCHEDULE

Thursday April 7th		
Noon	Check in	Elrod Conference Room
1pm	Welcome and Introductions	Elrod Conference Room
2-3pm	Invited Speaker: Dr. Will Clements Presentation: Context-dependent recovery trajectories of western streams from historical mining contamination	Elrod Conference Room
3-4pm	Social time	Elrod Conference Room
4-6pm	Poster Session 1 Presenter: Poster 1: Madison Foster Poster 2: Caitlin Mitchell Poster 3: Matthew Nichols Poster 4: Fischer Young Poster 5: Qipei Shangguan Poster 6: Meghan Robinson Poster 7: Claire Utzman Poster 8: Brooke Bannerman Poster 9: Dylan White Poster 10: Juan Segovia	Lakeside Building Title: Linking diel solute signals to stream corridor nitrate attenuation Snow as a driver of soil biogeochemical cycling in the semiarid Northern Great Plains, central Montana The influence of nutrient limitation on autotrophic activity along the enrichment gradient of the Upper Clark Fork River, Montana, USA Carbon Processing Domains: Seasonal and spatial controls on organic carbon in a montane river Simultaneous high-frequency measurements of O ₂ and pCO ₂ provide insights into river metabolism: observations and modelling Nutrient concentration and trophic state trends in Whitefish Lake The Influence of Wastewater Treatment Plant Effluent on Nutrient Dynamics in a Mid-Order River Early signs of cultural eutrophication of Lake McDonald? Blooming Interest in Periphyton and Particles: How Do Trace Metals Enter Riverine Food Webs? Chemical and Biological Impacts of Increased Treated Mining Discharge on a Restored Ecosystem
6:30pm	Dinner	Commissary
Friday April 8th		
7:30-8:30am	Breakfast & Pack Lunch	Commissary
8:30-9am	Coffee	Commissary/Elrod Conference Room
9-10am	Invited Speaker: Dr. Lydia Zeglin Presentation: Watershed connectivity and microbial diversity in perennial and intermittent streams	Elrod Conference Room
10-10:10am	Break	Elrod Conference Room
10:10-11:10am	Lightning Talk Session 1 & Discussion: Lentic Biogeochemistry Presenter: Talk 1: Matt Church Talk 2: Kate Evans	Elrod Conference Room Title: Aerobic methane production in Flathead Lake The metabolism of Flathead Lake

Friday April 8th - continued

10:10-11:10am	Lightning Talk Session 1 & Discussion: Lentic Biogeochemistry - continued	Elrod Conference Room
	Talk 3: Joseph Vanderwall Lake metabolism across an elevation gradient in the Northern Rockies Talk 4: Jim Elser Sustained stoichiometric imbalance and its ecological consequences in a large oligotrophic lake	
11:10-12:10pm	Break	Elrod Conference Room
12:10-12:20pm	Lightning Talk Session 2 & Discussion: Lotic Biogeochemistry	Elrod Conference Room
	Presenter: Talk 5: Maurice Valett Talk 6: Rafael Feijo de Lima Talk 7: Robert Hall Talk 8: Matthew Trentman	Title: Functional assessment of river reaches: nutrient processing domains and elemental interactions Solute advective transport and nitrogen assimilation study: modelling nitrogen assimilation in the Upper Clark Fork River Denitrification in the Nyack aquifer Exploring the mismatch between the theory and application of photosynthetic quotients in aquatic ecosystems
12:30-2pm	Lunch	Packed Lunch
2-3pm	Lightning Talk Session 3 & Discussion: Lotic Biogeochemistry	Elrod Conference Room
	Presenter: Talk 9: Laurel Genzoli Talk 10: Ben Colman Talk 11: Travis Schmidt Talk 12: Erin Sexton	Title: Modeling anatoxin export from benthic cyanobacteria in the Klamath River Four roles natural and incidental iron nanoparticles play in aquatic ecosystems Ecological consequences of neonicotinoid mixtures in streams Staking Claims in Transboundary Rivers
3-3:10pm	Break	Elrod Conference Room
3:10-4:10pm	Lightning Talk Session 4 & Discussion: Hydrology & its implications	Elrod Conference Room
	Presenter: Talk 13: Jenna Rolle Talk 14: Stephanie Ewing Talk 15: Skye Keeshin Talk 16: Hilary Schultz	Title: Determining Spatial Controls on Snow Isotopic Signal and Tracing the Snowmelt Pulse as it Moves through Two Montane Catchments Sensing soil in water and water in soil to decipher the influence of land use and landscape change on water quality Land Use Impacts on Surface-Groundwater Dynamics and Water Quality in two Montana Ecoregions Beaver Dam Analogs (BDAs) alter carbon pools and fluxes in intermountain headwater streams
4:20-6:20pm	Poster Session 2	Lakeside Building
	Presenter: Poster 11: Adam Hensley	Title: Aquatic macroinvertebrate community composition within Cladophora glomerata patches in the Upper Clark Fork River, MT.

Friday April 8th - continued

4:20-6:20pm	Poster Session 2 - continued	Lakeside Building
	Presenter:	Title:
	Poster 12: Chelsea Scheirer	Epiphyte colonization and food quality of Cladophora patches during the progression of summer algal blooms in the Upper Clark Fork River, Montana
	Poster 13: Bruce Boles	The Grinnell Glacier Watershed and it's Microbial Community
	Poster 14: Nanette Nelson	Social Equity
	Poster 15: Adam Sigler	Private well water quality data - opportunities for research
	Poster 16: Jose Sanchez-Ruiz	Long-term recovery from chronic metal exposure alters size-spectra and bioenergetics of invertebrate consumers
	Poster 17: Logan Peoples	Growth and nutrient-dependent response of elemental and macromolecular pools in a model heterotrophic bacterium
	Poster 18: Robert Payn	Review of the dimensionality and interpretation of common metrics characterizing rate-limited reactive transport
	Poster 19: Sale Rhodes	Effective Conductivity and Percolation through Layered Soils
	Poster 20: Brett Oliver	Coupling integrated hydrologic models with crustal deformation models to study terrestrial water storage in the Bitterroot Mountains.
6:30pm	Dinner	Commissary

Saturday April 9th

7:30-8:30am	Breakfast & Pack Lunch	Commissary
8:30-9am	Coffee	Commissary/Elrod Conference Room
9-10:30am	Lightning Talk Session 5 & Discussion: Organisms & Communities	Elrod Conference Room
	Presenter:	Title:
	Talk 17: Michelle Fillion	Effects of Beaver Dam Analogs (BDAs) on Macroinvertebrates
	Talk 18: Art Woods	When and where will oxygen be limiting?
	Talk 19: Jackson Birrell	Multiple physical factors affect the thermal tolerance limits of aquatic insects
	Talk 20: Rachel Malison	Adaptations of aquifer stoneflies
	Talk 21: Bridger Creel	Evidence of mine-waste contaminants from emerging aquatic insects in riparian-songbird nestlings
	Talk 22: Taylor Gold Quiros	The Influence of Multiple Stressors on the Fish community of the Upper Clark Fork River, MT
10:30-10:40am	Break	Elrod Conference Room
10:40am-noon	Wrap up discussion	Elrod Conference Room
Noon	Check out	Elrod Conference Room