

Daily Schedule of talks with full co-author list and title (* indicates student speaker).

Monday March 1, 2021		
8:30-12:00PM	Leaders: Michael Callahan, Elissa Chott, and Torrey Ritter and Moderator Lily Haines	Workshop: Beavers, Restoration, and Effective Conflict Resolution
2:00-3:00PM	Speakers: Andrea Reid and Zachary Penney	Plenary: Meeting at the Confluence: Indigenous and Western Science Coexistence in Modern Fisheries
3:15-4:00PM		Panel Discussion
Tuesday March 2, 2021		
Symposium: Crossing Disciplines in Large River Restoration (Clark Fork River Restoration)		
10:00-10:15 AM	Joe Griffin	Silver Bow Creek: 100 years as a copper mine — Can it be restored?
10:15-10:30 AM	Nathan Cook	The highs and lows of upper Clark Fork River trout populations
10:30-10:45 AM	Rafael Feijo de Lima; Colman, B. ; Cross, W.; Gold-Quiros, T.; Ruiz-Sanchez, J. Shaw, J.; Valett, M.; White, D.; Witzowskey, C.	Disentangling the impacts of multiple stressors in the Upper Clark Fork food webs
10:45-11:00 AM	Erick Greene	Ospreys as environmental sentinels
11:00-11:10AM		BREAK
11:10-11:25AM	Will McDowell	Long Shot: the potential to restore fluvial native trout in a fragmented, contaminated basin
11:25-11:40AM	Michelle Terwilliger*; Floyd, T.M. ; Metcalf, E.C.; Mohr, J.J.	Collaboration on the Upper Clark Fork River: a case study from the Montana CREWS project
11:40-11:55AM	Alex Leone	Responding to public doubts: what about the habitat?
11:55-12:10PM	Arica Crootof	Restoring the Upper Clark Fork: integrating public perceptions of the Warm Springs ponds & conducting collaborative research for successful river restoration
12:10-12:30PM	<i>All available speakers</i>	<i>Didn't get your question answered? Want to chat with available speakers? Join the collaborative session</i>
12:30-1:30PM		LUNCH
Contributed Sessions		
1:30-1:45PM	Taylor Preul*; Verhille, C.; Bourret, S.	Validation of the use of behavioral assessments in identifying wild origin westslope cutthroat trout vulnerable to artificial selection at Sekokini Springs Hatchery, MT
1:45-2:00PM	Mike Siemiantkowski*; Guy, C.; Cox, T.; Williams, J.; Eckelbecker, R.; Glassic, H.; Lewis, M.; Maskill, P.; McGarvey, L.	A paradoxical knowledge gap in science for critically endangered fishes, species of special concern, and game fishes during the sixth mass extinction.
2:00-2:15PM	Kristen Cook*; Zale, A.; Stagliano, D.; Anderson, M.; Guy, C.; Albertson, L.	Reproductive phenology and hermaphroditism of western pearlshell mussels in two watersheds in Montana
2:15-2:30PM	David Stagliano; Anderson, M.; Cook, K.	Evaluating western pearlshell mussel populations for viability, reproduction and host fish glochidia Infestations across five watersheds in western Montana.
2:30-2:45PM		BREAK
2:45-3:00PM	Sam Bourret	Illegal fish introductions in Montana: how can we stop the spread?
3:00-3:15PM	Mark Schnee; Bourret, S.; Clancy, N.; Boyer, M.	Recovery of freshwater invertebrates in alpine lakes and streams following eradication of nonnative trout with rotenone

3:15-3:30PM	Shannon Blackburn; Ruggles, M.; Radonski, E.; Olszewski, B.	Status of Burbot in the Yellowstone River from the Bighorn River to Park City, Montana
3:30-3:45PM	Jacob Williams; Holmquist, L.; Rhoten, J.; Grisak, G.	Using large scale PIT arrays to monitor native species movements in a large prairie stream tributary to the Missouri River
3:45-4:00PM	BREAK	
Lightening Talks		
4:00-4:10PM	Jared Krebs; Dalbey, S.	Status and future assessment of Burbot (<i>Lota lota</i>) in the Missouri River Drainage.
4:10-4:20PM	Hayley Glassic*; Driscoll, S ; Guy, C ; Koel, T	Presence of microplastics in the food web of the largest high-elevation lake in North America.
4:20-4:30PM	Kerrie Berger	Washoe Park Trout Hatchery- spawning overview 2020
4:30-4:40PM	Beth Gardner	Case study of six intentional migration barriers to protect cutthroat trout. Some lessons learned at what it takes to be successful
4:40-5:00PM	<i>All available speakers</i>	<i>Want to chat with available speakers? Join the collaborative session.</i>

Wednesday March 3, 2021

11:00AM-12:00PM		Business Meeting
12:00-1:00PM		LUNCH
Contributed Sessions		
1:00-1:15PM	Madeline Lewis*; Guy, C.; Oldenburg, E.	Individual characteristics, population density, and environmental conditions explain temporal variation in out-migration dynamics of juvenile Bull Trout
1:15-1:30PM	Kadie Heinle*; Al-Chokhachy, R.; Sepulveda, A.; Bouwes, N.	Investigating the effects of streamflow and non-native Brown Trout (<i>Salmo trutta</i>) on native Yellowstone Cutthroat Trout (<i>Oncorhynchus clarkii bouvieri</i>) in Duck Creek, MT, USA
1:30-1:45PM	Colter Brown*; Guy, C.; Webb, M.; Rhea, D.	Reproductive ecology of Mountain Whitefish in dissimilar populations
1:45-2:00PM	Robert Eckelbecker*; Guy, C.; Schmetterling, D.; Heili, N.	Relative-condition equations for Montana fishes
2:00-2:15PM	Andriana Puchany*; Zale, A.; Koel, T.; Shepard, B.	Status of Westslope Cutthroat Trout and Arctic Grayling following conservation translocations in Yellowstone National Park
2:15-2:30PM BREAK		
2:30-2:45PM	Dan Isaak; Young, M.	Factors contributing to present and future occurrence of relict headwater bull trout populations in the northern Rocky Mountains
2:45-3:00PM	Adam Sepulveda; Al-Chokhachy, R.; Laramie, M.	It’s complicated...Environmental DNA as a predictor of trout and char abundance in streams
3:00-3:15PM	Robert Al-Chokhachy; Letcher, B.; Muhlfeld, C.; Dunham, J.; Hitt, N.; Roberts, J.; Schmetterling, D.	Factors driving the body size of trout species: beyond climate refuges and refugees
3:15-3:30PM	Kate Gaut; Syltie, T.; DeArment, J; Thompson, M.	A Toolbox, Prybar, and Megaphone for your Fisheries Data: Don’t Miss How We Built an User-friendly, Interactive, Cost-Efficient Reporting Platform Utilizing Data Visualizations, Dashboards, and Story Maps to Facilitate Analysis and Promote Sharing of Stream Temperature Data
3:30-3:45PM BREAK		
3:45-4:00PM	Mike Anderson	Montana DNRC habitat conservation plan riparian timber harvest monitoring
4:00-4:15PM	Andrew Lahr*; Eby, L.	Quantifying the effects of beaver dam analogs on fish habitat and communities

4:15-4:30PM	Franz Ingelfinger	A developing approach for restoring cottonwood communities from seed
4:30-4:45PM	Niall Clancy; Wolf, M.; Rosenthal, L.	Bull Trout passage at beaver dams in the Bitterroot and Flathead basins

4:45-5:00PM	BREAK	
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Thursday March 4, 2021

1:00-1:15PM	Donovan Bell*; Kovach, R.; Muhlfeld, C. ; Schmetterling, D. ; Whited, D.; Al-Chokhachy, R. ; Lukacs, P.; Whiteley, A.	Past and future projected shifts in the occupancy of trout in Montana
1:15-1:30PM	Ryan Kovach; Leary,R. ; Bell, D.; Painter, S.; Whiteley, A.	Genetic variation in westslope cutthroat trout reveals that widespread genetic rescue is warranted
1:30-1:45PM	Troy Smith*; Liermann, B.; Eby, L.	Natal stream characteristics associated with migratory Westslope Cutthroat Trout
1:45-2:00PM	Jeff Strait; Kovach, R.; Kardos, M.; Amish, S. ; Eby, L.; Boyer, M. ; Lowe, W.; Luikart, G.	Genome-wide SNP analysis reveals loci linked to fitness-related traits in a Westslope Cutthroat x Rainbow Trout hybrid zone

2:00-2:15PM	BREAK	
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2:15-2:30PM	Amber Steed; Boyer, M.	Diversifying conservation and management of Westslope Cutthroat Trout in the upper Flathead River System
2:30-2:45PM	Anthony Dangora; Barfoot, C.; Whiteley, A.; Eby, L.	Evaluating the effects of selective passage of Westslope Cutthroat Trout on non-native admixture in the Jocko River, MT over 15 years
2:45-3:00PM	Matt Jaeger, Bateman, L.; Berry, J.; Breen, L.; Clancey, P.; Detjens, C.; Duncan, M.; Edgington, C.; Franklin, T.; Gander, T.; Gatlin, M.; Horton, T.; Hutchinson, P.; Koel, T.; Kovach, R.; Kreiner, R.; Kruse, C.; Larsen, N.; Leinonen, E.; Lodmell, A.; Lohrenz, T.; Luckenbill, P.; McCormack, M.; Olsen, J.; Painter, S.; Pipinich, C.; Spoon, R.; Stringer, A.; Thomas, N.; Whiteley, A.; Weininger, K.; Korb, N.	Westslope cutthroat trout conservation in the Missouri River headwaters
3:00-3:15PM	Brad Shepard; Delomas, T.; Campbell, M.; Kruse, C.; Taper, M.; Zale, A.	Contributions, inbreeding, and outbreeding of wild- and hatchery-origin stocks of Westslope Cutthroat Trout released as eyed embryos into vacant habitat
3:15-3:30PM	Clint Muhlfeld; Kovach, R.; Strait J.	What we've learned from 40 years of hybridization research in Montana
3:30-3:50PM	<i>All available speakers</i>	<i>Want to chat with available speakers? Join the collaborative session.</i>

4:00-5:00PM	Awards Event (Student Scholarship, MTAFS Awards, and 50:50 Raffle Results)	
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Friday March 5, 2021

8:30AM-12:00PM	Leader: Joe Wheaton; Moderator: Adam Sepulveda	Workshop: Introduction to Low Tech Restoration
1:00-3:00PM		ExComm Meeting