

2019 SUSTAINING COLORADO WATERSHEDS CONFERENCE

"The Human Element"

October 7 - 10, 2019

Westin Riverfront Resort & Spa in Avon, CO

Monday, October 7

5:00 - 7:30 pm

Early Registration and Vendor Tabletop Set-up in the Hotel Lobby

Tuesday, October 8

8:00 am - 1:30 pm

Vendor Tabletop set-up in Riverside Foyer Area and Silent Auction Set-up in the Rapids Room

8:00 am - 5:00 pm

Registration in the Hotel Lobby

Concurrent Pre-Conference Workshop Options:

8:00 am - 11:30 am

Gondola B

Restoring to Stage 0: Evaluating site potential and developing alternatives for full floodplain reconnection

with Dr. Colin Thorne, Dr. Janine Castro, Dr. Sue Niezgodka, and Mark Beardsley

Hosted by

Colorado Riparian Association

8:00 am - 11:30 am

Riverside Salon III

Lifecycle Planning for Watershed Groups

with Carol Ekarius, Rick Lofaro, Casey Davenport, Julie Knudson, Emma Reesor, Holly Loff, and J. David Holm

Hosted by

Colorado Watershed Assembly

8:00 am - 12:00 pm

Riverside Salon IV

Designing Water Education Actions for Statewide Impact: Implementing the Statewide Water Education Action Plan (SWEAP)

with Scott Williamson and Jayla Poppleton

Hosted by

Water Education Colorado

Times May Vary

11:30 am - 12:45 pm

Partner Lunches

1:00 - 2:30 pm

Plenary Session 1

Riverside Ballroom

Change in leadership/change in approach? - New department heads speak to their biggest priorities and Colorado's best opportunities for the sustainability of our watersheds

Dan Gibbs, Executive Director Colorado Department of Natural Resources
Jill Hunsaker Ryan, Executive Director Colorado Department of Public Health and Environment
Kate Greenberg, Commissioner, Department of Agriculture
Amy Beatie, Colorado Deputy Attorney General, Natural Resources and Environment

Vendor Tabletops ready in Riverside Foyer Area and Silent Auction ready in the Rapids Room

2:30 - 3:00 pm

Network Break—Visit Exhibitor Displays & Silent Auction in the Rapids Room

3:00 - 4:30 pm

Plenary Session 2

Riverside II, III, & IV

Working smarter - Technical perspectives on policy and regulation in managing Colorado watersheds

Dr. Colin Thorne, Chair of Geography, University of Nottingham
Dr. Janine Castro, Geomorphologist, US Fish and Wildlife Service

Round table discussion with speakers from both sessions

5:00 - 6:15 pm

Cocktails in the Library and Lobby Terrace

6:15 - 7:30 pm

Evening Banquet Dinner in the Riverside Ballroom, followed by Awards Presentation

7:30 - 8:30 pm

Keynote Address

Downriver: Into the Future of Water in the West

Heather Hansman

Wednesday, October 9

6:30 - 7:30 am

"10,000 Emerald Pools" Dance Class in Riverside I with Mallory Hiss, Colorado Watershed Assembly

7:00 - 8:15 am	Breakfast in the Maya Restaurant		
8:00 - 8:15 am	Day 2 Overview & Logistics Presentation in the Maya Restaurant		
8:30 - 10:00 am	Concurrent Tracks in the Gondola and Riverside Ballroom Salons		
	Gondola B	RIVERSIDE SALON III	RIVERSIDE SALON IV
	"Green" as "Grey's" Equal	Lessons From the Field	SOLD! Water Transactions!
	Moderator: Jackie Corday	Moderators: Amber Weber & Larry Lempka	Moderator: Pete Johnson
	Panel: What if We Treated "Green" as "Grey's" Equal? Lessons for Colorado from the paradigm shift and massive benefits California recently achieved by putting Green Infrastructure (restoring Mountain Meadows/Streams) funding on par with Grey Infrastructure funding - increasing the tools for climate change resiliency and improving watershed health. Jackie Corday, Colorado Parks and Wildlife Laurie Wayburn, Pacific Forest Trust Dr. Rene Henery, Trout Unlimited Ann Schwend, Montana Dept. of Natural Resources and Conservation —Water Resources Division	Working lands provide sustainable landscapes by implementing innovative conservation practices Rick Danvir, Western Landowners Alliance	Environmental Water Transactions: Paying to Protect & Enhance Water Resources Brett Bovee, WestWater Research
		Why Irrigation Matters to Our Agriculturalists Here in Colorado Micaela Fenton, Colorado State University	Murky Waters: Evolving Developments Concerning Alternative Transfer Methods Benefiting Agriculture and the Environment Alexander Funk, Colorado Water Conservation Board Mickey O' Hara, Colorado Water Trust
Demonstrating Ag Progress on Water Quality: Modeling the Effectiveness of EQIP Conservation Practices Tyler Wible, Colorado State Univ. Phil Brink, Brink, Inc.		Linking Ecological and Economic Values to Benefit River Systems Heather Lewin, Roaring Fork Conservancy	
Regenerative Farm Planning key for sustaining productive agriculture and solving the true water supply gap Tanner Starbard, Mad Agriculture		Regulatory and Financial Challenges to Mitigation Banking— Are There Ways to Break the Gridlock to Promote Environmental Values and Facilitate Project Permitting? Jason Kline, SWCA Environmental Consultants Sarah Marshall, Colorado Natural Heritage Program	
10:00 - 10:30 am	Network Break—Visit Exhibitor Displays & Silent Auction in the Rapids Room		
10:30 am - 12:00 pm	GONDOLA B	RIVERSIDE SALON III	RIVERSIDE SALON IV
	Measuring and Modeling Water in the Shed	The New Urban Waterways	Ecosystem Services: An Estimation of Value
	Moderator: Rachel Williams	Moderator: Leslie Volkar	Moderator: Jayla Poppleton
	Snowmaking at Colorado Ski Areas: Watershed Impacts and Mitigation Noel Ludwig, USDA Forest Service	Restoring Endangered Species in an Urban River Corridor Joel Sholtes, Dept. of Engineering - Colorado Mesa University	The Values of a Stream: Employing the Land Ethic as a Moral Code for Stream Conservation Mark Beardsley, EcoMetrics
	Flood Potential in the Southern Rocky Mountains Region Steven Yochum, Forest Service - National Stream and Aquatic Ecology Center	What is a High Functioning Low Maintenance (Urban) Stream? Brian Murphy, Otak Laura Kroeger, Mile High Flood District	Water and Its Importance to the Headwaters Economy: documenting economic values of rivers and protecting those values Torie Jarvis, Northwest Colorado Council of Governments - Water Quality/ Quantity Committee
Using riparian trees to unlock a 50-year history of forest dieback following streamflow diversion Derek Schook, Colorado State University	The use of stormwater management across cities and recharge response to stormwater infiltration Benjamin Choat, Colorado State University Dept. of Civil and Environmental Engineering	What Can Ag Do for You? Agriculture as a Solution to Watershed Health Greg Peterson, Colorado Ag Water Alliance Bill McKee, Rancher	

	<p>How might climate change affect states and process dynamics in Colorado watersheds, and why should we care? Adam Wlostowski, Institute of Arctic and Alpine Research Graeme Aggett, Lynker</p>	<p>The Amazing New Urban Streams Gary Thompson, W. W. Wheeler & Associates, Inc.</p>	<p>Bill McKee, Rancher Janie VanWinkle, Rancher Robbie LeValley, Rancher Billy Gascoigne, Strategic Conservation Lead—Ducks Unlimited</p>
12:00 - 1:30 pm	Lunch at the Maya Restaurant		
1:30 - 3:00 pm	GONDOLA B	RIVERSIDE SALON III	RIVERSIDE SALON IV
	A View of the Creek: Concepts in Stream Restoration	Forests, Fires, and Water	Effective Stakeholder Engagement
	Moderator: Brandy Logan	Moderator: Daniel Bowker	Moderator: Scott Williamson
	Convergence of concepts; trends and motivations in complex streamscape restoration Jessica Doran, EcoMetrics	Panel: Forests, Fires, and Water: Exploring how Colorado Communities can Better Co-exist with Wildfire	Your snow is my drinking water: Join the Keep it Clean West Slope Partnership! Paul Hempel, Colorado Rural Water Association Christina Medved, Roaring Fork Conservancy
	Stop the Segregation! Viewing Colorado's Headwater Fluvial Systems as Integrated Aquatic Habitats Brad Johnson, Johnson Environmental Consulting	Daniel Bowker, Coalition For The Poudre River Watershed Ben Gannon, Colorado Forest Restoration Institute	Oh Dam! A Story of Collaboration and Trust Emma Reesor, Rio Grande Headwaters Restoration Project Christi Bode, Moxiecran Media
	Restoring Rivers to Stage 0: A Process-Based Approach to Returning a Depositional River Valley to an Anastomosing Channel Network Sue Niezgoda, Gonzaga University	Sarah McCaffrey, Rocky Mountain Research Station Kelly Romero-Heaney, City of Steamboat Springs Megan Burke, RESPEC	Building A Water Future: Connecting the Dots Between Youth & Stewardship Bethany Howell, Rio Grande Watershed Conservation & Education Initiative
	Rethinking the Stream Functions Pyramid Brian Clarke and Brian Murphy, Otak	Courtney Gutman, Big Thompson Watershed Coalition	Ag Survey Results: Producer Perspectives on Watershed and Stream Management Planning Phil Brink, Colorado Cattlemen's Agricultural Water NetWORK
3:00 pm	Network Break—Visit Exhibitor Displays & Silent Auction in the Rapids Room		
3:30 - 5:00 pm	GONDOLA B	RIVERSIDE SALON III	RIVERSIDE SALON IV
	How We Do: Stream Restoration Case Studies	Digging Deeper and Learning for the Future	Tools for Water Smart Planning
	Moderator: Julie Ash	Moderator: Andy Rossi	Moderator: Stephanie Scott
	Turning the Swan River Right-Side Up Troy Thompson, Ecological Resource Consultants, Inc. Jason Lederer, Summit County Open Space and Trails Department	Mancos Valley Watershed and Drought Resilience Planning Gretchen Rank, Mancos Conservation District	Prioritizing Risk Map Projects in Colorado—An Innovative Multi-Factored Approach to Prioritize Flood Map Updates in Colorado Thuy Patton, Colorado Water Conservation Board Geoff Uhlemann, AECOM
	The Application of 'Full Spectrum' River Restoration Design in Colorado Travis Stroth, Stillwater Sciences	Stream Management Planning: Lessons Learned from the Rio Grande Basin Daniel Boyes, Rio Grande Headwaters Restoration Project	Managing to the Future: Adaptive Management in Left Hand Watershed Jessie Olson, Left Hand Watershed Center
What I didn't learn in kindergarten about restoring riparian systems—A review of the Walton Family Foundation's river restoration program Peter Skidmore, Walton Family Foundation	Collaboration and Planning for Source Water Protection Alison Witheridge, Denver Water Dr. Carolyn Nobel, Leonard Rice Engineers, Inc.	Water Demand of HOA vs. Non-HOA Residents on Colorado's Growing Front Range Gretel Follingstad, University of Colorado Denver	

	<p>Can river freedom promote resilience on Colorado's Front Range? Jennifer Shanahan, City of Fort Collins - Natural Areas Department</p>	<p>Addressing Future Water Needs in a Changing Climate in the Upper San Juan River Basin Allan Pfister, Western Wildscapes, LLC & Mountain Studies Institute Aaron Kimple, Mountain Studies Institute</p>	<p>The Colorado Environmental Flow Tool Becky Dunavant, CDM Smith</p>
5:30 pm	<i>Poster Set-up in the Riverside Ballroom</i>		
6:15 - 8:00 pm	POSTER SOCIAL EVENT IN THE RIVERSIDE BALLROOM AND TERRACE		
8:00 pm	<i>Vendor Tabletops and Posters Close Down</i>		
8:30 pm	<i>Silent Auction Closes—Winners, Pick Up Your Silent Auction Bargains in the Rapids Room!</i>		
Thursday, October 10			
7:00 - 8:15 am	<i>Winners, Pick Up Your Silent Auction Bargains in the Gondola Foyer!</i>		
7:00 - 8:15 am	Breakfast in the Gondola Foyer		
8:00 - 8:15 am	Day 3 Overview & Logistics Presentation in the Gondola Foyer		
Times May Vary	<p>POST CONFERENCE WORKSHOP</p> <p>8:30 am - 12:00 pm Gondola B The Role of Large Wood in River Restoration</p> <p>with Inter-Fluve designers, FlyWater riverine constructors, and American Whitewater recreational experts</p>		<p>POST CONFERENCE FIELD TRIP *NEW*</p> <p>8:15 am - 11:00 am Beaver Creek Elk Lot Beaver Creek Slope Sustainability Tour</p> <p>with the Beaver Creek Trail Crew and Don Hajar, Pawnee Buttes Seed</p>