Draft 2/26/2020

**Mountain Creeks to Metro Canals**

**2020 River Management Training Symposium,** Richmond, VA

**DRAFT Program Schedule**

Notes:

* Unless otherwise indicated, all sessions and events will occur on the campus of Virginia Commonwealth University
* There will be an opportunity to sign up for one on one mentoring sessions with experienced river managers during the Symposium
* This schedule is subject to change
* Continuing education credits (or equivalent) will be available from the American Society of Landscape Architects, American Planning Association, and National Recreation and Park Association for selected sessions – details to be provided

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| Day/Time | Track 1 | Track 2 | Track 3 | Track 4 | |
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| May 9-11, 2020 | Pre-symposium overnight paddling trip for River Studies and Leadership Certificate Students | | | | |
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| **Monday, May 11, 2020** | | | | | |
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| 4:00-7:00 pm | Early Registration – Graduate Hotel Lobby | | | | |
| 7:00 pm | Student reception (students only) Graduate Hotel | | | | |
| 8:00 pm | Reception open to all – Graduate Hotel | | | | |
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| **Tuesday, May 12, 2020** | | | | | |
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| 8:00 – 9:30 | Opening Plenary – Welcome and Introductions. Program – on restoration of the Anacostia Watershed in Washington, DC, Jim Foster and Dennis Chestnut | | | | |
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| 9:30-10:00 | Break | | | | |
|  | VRM – see footnote | Partner & Community | Tech Tools | Urban | |
| 10:00-10:30 | **VRM Training Opening Session:** Welcome, introductions, and why we’re here and what we’re going to do. Lynn Crump, Leighton Powell | Robin Fehlau: Boise River: Economic driver and heart of the community (0.50 CM) | Rob White, Brian McCormick: Granite Boat Chute & Fish Ladder Reconstruction – Arkansas River (0.50 CM) | Chris DeWitt, Nathan Barrell: Conserving an Urban Wilderness: The James River Park System Master Plan (0.50 CM) | |
| 10:30-11:00 | **Why scenic resources matter:** Basic need, vitality & economic development, VA & other states support of the importance of Scenic resources and documenting and rating them. (overview, drivers & outcomes) John McCarty, Mark Meyer | Tim Eling: Innovative Restoration in Kentucky’s Red River Watershed (0.50 CM) | Jack Henderson: National Rivers Project: Mapping and showcasing the United State’s Recreational Rivers (0.50 CM) | Ralph Hambrick: The James River in Richmond: A Case Study in Transforming an Urban Watershed (0.50 CM) | |
| 11:00-11:30 | **Language of Landscapes:** Describing the Scenic Attributes of the landscape and visual resources vocabulary. Landscape Character & Scenic Quality (Exercise). Alyssia Angus | Claire Catlett, Albert Spells: Bringing the Brook Trout to VA’s Piedmont (0.50 CM) | Alex McCrickard, Rene Xavier Valdez: How to Reel ‘Em In: The Development and Evaluation of Angler Recruitment, Retention and Reactivation (R3) Program in Virginia (0.50 CM) | Justin Doyle: Reconnecting Richmonders to the James River (0.50 CM) | |
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| 11:30 – 1:30 | Awards Luncheon and Speaker - Dr. James Thorp, Ph.D. University of Kansas Department of Ecology & Evolutionary Biology, Understanding river macrosystems from applied and basic perspectives | | | | |
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| 1:30 – 2:00 | **Language of Landscapes**: Describing the Scenic Attributes of the landscape and visual resources vocabulary. Landscape Character & Scenic Quality. (Exercise – continued) Alyssia Angus | George Lindemann: Economic, Environmental, Social, Political. The Recipe to Save A River (0.50 CM) | Katie Schmidt, Kevin Colburn: Let it Flow: Restoring Dry River Reaches in the Southeast (0.50 CM) | Todd Lookingbill, Bob Siegfried, Jennifer Hatchett, Rob Anderejewski, Jill Nolt: The Gambles Mill Eco-Corridor: A collaborative stream restoration project in Richmond (1.50 CM, 0.10 CEU) | |
| 2:00 – 2:30 | Peter Krebs: Connecting Communities (0.50 CM) | Tish Robertson: James River Chlorophyll Study: A Case Study of Collaboration (0.50 CM) |
| 2:30 – 3:00 | **Scenic Value Inventory:** Overview of Federal Agency approaches to visual landscape inventory/assessment. panel on the commonalities & complementary & unique aspects of all. Julie McGrew | Lynn Crump: Scenic River Designation process for Virginia: An exercise in community efforts (0.50 CM) | James Vonesh, Denielle Perry, John M. McLaughlin, Tammi Laniga, Mathieu Brown: Building a framework for the River-based ImmersiVe Education& Research (RIVER) Field Studies Network (0.50 CM) |
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| 3:00 – 3:30 | Break | | | | |
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| 3:30 – 4:00 | **Scenic Value Inventory**: Overview of Federal Agency approaches to visual landscape inventory/assessment. 30-minute panel on the commonalities & complementary & unique aspects of all. Mark Meyer, John McCarty (all sessions (5.00 CM, 0.5 CEU) | Dusty Vaughn, Tom O’Keefe, Liz Lacy: WSR101 – An Introduction to the Wild & Scenic Rivers Act (1.5 CM, 0.10 CEU) | James Vonesh, Denielle Perry, Tammi Laniga, Mathieu Brown: Linking academics and practitioners to train tomorrow’s river professionals (1.5 CM, 0.10 CEU) | Heather Barrar, Tiffany Carter, Aaron Reid Miller, Janit Lleywllyn: Regional Renewal & Riverfronts (1.5 CM, 0.10 CEU) | |
| 4:00 – 4:30 |
| 4:30 – 5:00 |
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| 5:00 – 7:00 | Poster Session and Opening reception | | | | |
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| Evening | Dinner on your own |  |  |  |
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The Visual Resource Management training will provide a working knowledge of visual assessment language; provide justification for why to conduct a visual assessment; introduce several types of visual assessment protocols; provide first-hand experience conducting a visual assessment; and to show how an assessment can be used to address environmental reviews and land use. Participants are expected to attend all the VRM sessions Tuesday and the field trip on Wednesday; Thursday and Friday sessions are optional.

Poster presentations

1. Kristen Bretz - Carbon emissions and export from forested mountain streams through a summer drought
2. Richie Dang – Identifying drivers of ecosystem production and respiration in riverine rock pools
3. Andy Davidson - Predicting warming’s impacts on mosquito control by larval predators
4. Chris Gensic and Dan Mahon - Wayfinding and Virtual Tours of the Rivanna River
5. Rachel Henderson, Paul Bukaveckas, and Rima Franklin - Microbial Source Tracking of Fecal Contamination in the James River
6. Caelon Johnson. Trevor Mansmith, Chelsea Douglas, Delaney Cordoran, Aurora Grant, Kenjo Pollman, John McLaughlin - Large woody debris protects woody plants from browsing in restoration following Elwha dam removal.
7. Samuel Jordan – Shared goals: a hierarchical collaborative model for river management and research
8. Anne Kim – Warming carries costs and benefits for the life cycle of native rock pool mosquitoes
9. Jacob Korona - Professional Experiences in the Outdoor Recreation Field
10. Kira Lander - A tale of two watersheds: River remediation and restoration in the commonwealth
11. Colter Lemons and Mary Childress -Fungi distribution in the Elwha restoration ecosystem
12. James Major - Identifying Resilient Rivers for Wild & Scenic Designation Using Geospatial Analysis and Statistical Modeling
13. Celinda Moran - Habitat Selection of the Spotted Sandpiper (Actitus macularius) Along the Elwha River, Washington
14. Doreen Sechak Peters - Microplastic Abundance Highest Near Urban Area
15. Jordan Rasure - Predator avoidance decreases effect of cigarette butt leachate toxicity in urban rock pools
16. Richard Roth and William Tanger - Working Together: How an NGO Worked with River Managers and Other Stakeholders to Remove a Dam and Restore a River.
17. Jack Ryan - Assessing the feasibility of freshwater mussel restoration in urban and non-urban streams of Central Virginia
18. Ryland Stunkle – Flood modeling of riverine rock pools using an unmanned aerial vehicle
19. Joseph Underhill – Diversity and Equity in River Studies: Lessons from the River Semester
20. Jennifer Wampler - Riparian Trails in the James River Watershed
21. Abigail Wright - Seasonal Progression of Algal Development and Quality in Streams that Vary in Timing of Springtime Peak Flow

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| Wednesday | Field Session Day |  |  |  |
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| 8:00 – 4:45 | Visual Resources Management Workshop (8.00 CM, 0.80 CEU) |  |  |  |
| 9:00 - noon | Rafting trip on downtown James (3.00 CM, 0.30 CEU) | James River Restoration River Trip (3.00 CM, 0.30 CEU) | Virginia Capital Trail Bike Ride (3.00 CM, 0.30 CEU) | Riverfront Walking Tour (3.00 CM, 0.30 CEU) |
| 9:00 – 4:00 | Bateau trip on the James River Visual Resources Management Workshop (8.00 CM, 0.80 CEU) | Universal Access/Water Trail Workshop Visual Resources Management Workshop (8.00 CM, 0.80 CEU) | GIS/Drone Mapping Course Visual Resources Management Workshop (8.00 CM, 0.80 CEU) |  |
| 4-6 hours | Water and Riverine Trail Development in a low income area |  |  |  |
| 1:00 – 4:00 | Rafting trip on downtown James (3.00 CM, 0.30 CEU) | James River Restoration River Trip (3.00 CM, 0.30 CEU) |  |  |
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|  | Dinner on your own |  |  |  |
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|  | Movie Night -open to the public |  |  |  |
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| Thursday |  |  |  |  |
|  | VRM | Partner & Community | Tech Tools | Rural |
| 8:00 – 8:30 | The relevance of Scenic Resources to the management of river and upland recreation settings & ecological sites – the benefits, applications and challenges, Robin Fehlau, Monica Zimmerman Richard Smardon (1.00 CM, 0.10 CEU) | Idalina Walker, Michelle Workman, Rick Barton: Pioneering Partnerships to Revitalize Southwest Virginia’s Clinch River Valley (1.5 CM, 0.10 CEU) | Fred Akers, Jennifer Back, Paul Kenney: Using the EPA’s Preliminary Healthy Watersheds Assessment Project to identify healthy & vulnerable watersheds with Wild & Scenic Rivers (0.50 CM) | Kevan Cooper: Alaska’s Frozen Rivers (0.50 CM) |
| 8:30 – 9:00 | Tim Biddle, Brett Connell, James E. Parham: High Definition Stream Surveys: A new method to managing rivers & streams (0.50 CM) | Charles Evans: The Lost Rapid Project (0.50 CM) |
| 9:00 – 9:30 | Public Sensitivity – Objective way to get public reaction? Rivers? Andrew Lothian (0.50 CM) | Robert Burgholzer, Joseph Kleiner: Developing an Adaptively Managed Instream Flows Assessment Framework via Integrated Data Management, Modeling & Analysis (0.50 CM) | Chris Colvin: Early Adopters, Wild & Scenic River Eligibility Studies Recently Conducted under the 2012 Forest Planning Rule (0.50 CM) |
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| 9:30-10:00 | Break | | | |
|  | VRM | Partner & Community | Water Trails | Policy & Practice |
| 10:00-10:30 | The role of conservation easements in managing scenic resources and how the steps to success. John McCarty, John Eustis (1.50 CM, 0.10 CEU) | Kevin Colburn: Wild & Scenic River Coalition Issues & Actions (0.50 CM) | Nicole Hersch: New River Water Trail: A Dual Approach (0.50 CM) | Christopher Armatas, Bill Borrie, Alan Watson: A public engagement protocol to apply social science in planning efforts: An application in support of comprehensive river management planning on the Flathead River System, Montana, USA (0.50 CM) |
| 10:30-11:00 | Julia Ela, Alyssa Wittenborn: Monitoring Mutualism: How Investing in Level III Volunteer Monitoring Benefits All (0.50 CM) | Cora Gnegy. Becky Nave: New River Water Trail: An Adventure of Partnerships, Promotions & Paddling (0.50 CM) | Steve Chesterton, Eric Sanders: Creating Data Tools to Inform Wild & Scenic River Planning (0.50 CM) |
| 11:00-11:30 | Will Isenberg: Stakeholder Driver Development of a Strategy to Minimize the Impacts of Winter Salt (0.50 CM) | Jessica Steelman: rural Coastal Virginia Alliance – Collaborative Efforts, Methodology and Successes (0.50 CM) | Todd Janeski, Kirsten Hazler: An approach for conserving Virginia’s Healthy Waters (0.50 CM) |
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| 11:30 – 1:30 | Lunch – state river program managers – meeting room near hotel café | | | |
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| 1:30 – 2:00 | Panel discussion: Building scenic resource partnerships, networks and landowner relationships. Paul Kenny, John McCarty, John Eustis, George Santucci, Debbie Spanolopolis (1.5 CM, 0.10 CEU) | Jim MacCartney, Rob Ayers: Demystifying Construction Projects on Rivers (1.5 CM, 0.10 CEU) | Renee Powers: How to Manage a Blueway? Starting from the Water Up (0.50 CM) | Risa Shimoda, Moses Chun: Adding Depth to Understanding Diversity in the Workplace (1.5 CM, 0.10 CEU) |
| 2:00 – 2:30 | Dan Mahon: The Rivanna River Renaissance (1.00 CM, 0.10 CEU) |
| 2:30 – 3:00 |
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| 3:00 – 3:30 | Break | | | |
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| 3:30 – 5:00 | Closing Plenary – Speaker – Dr. Richard Smardon, Ph.D. Professor Emeritus SUNY College of Environmental Science & Forestry: Revitalizing Urban Waterway Communities: Streams of Environmental Justice | | | |
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| 6:00 – 9:00 | Dinner at Triple Crossing Brewing – dinner and live auction | | | |
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| Friday |  |  |  |  |
|  | VRM | Rural | Policy & Practice |  |
| 8:00 – 8:30 | Section 106 & NEPA and VRM; manufacturers work with Visual requirements. Transmission line presentation. (1.00 CM, 0.10 CEU)  Research on Visibility of Constructed Encroachments and Integrating built features into the landscape (0.50 CM) | Dan Shelby, Bo Shelby, Doug Whittaker: Good, Bad, Unusual – Access opportunity spectrum data base (0.50 CM) | Craig Lott: Water Quality study of Clinch River, Virginia, Development & Preliminary Observations (0.50 CM) | Denielle Perry: Investigating Dynamic Interactions among Socio-Ecological Diversity, Connectivity, and Resilience to Inform the Future of River Conservation (1.5 CM, 0.10 CEU) |
| 8:30 – 9:00 | Daniel McGarvey: Fish and Invertebrate Abundances are Near Universal Functions of Body Size in U.S. Streams (0.50 CM) | Renee Powers: Stream Navigability in Virginia (0.50 CM) |
| 9:00 – 9:30 | Maura Christian: Grassroots Growth of the Virginia Conservation Assistance Program (0.50 CM) | Katie Schmidt, Jennifer Ciminelli: Yelp for Hydro Models: A study of the latest and greatest alongside the tried and true (0.50 CM) |
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| 9:30 – 10:00 | Break | | | |
|  |  | Tech Tools |  |  |
| 10:00 – 10:30 | Integrating Development with in visual Corridor - Research on Visibility of Constructed Encroachments and Integrating built features into the landscape. Alyssia Angus, John McCarty, David Hill | Jenelle Dowling, Steve Chesterson: A Collaborative initiative to assess the water quality of national Wild and Scenic Rivers (0.50 CM) | Kristina Weaver: What Factors Help Ecosystem Collaboration Succeed? (0.50 CM) | Denielle Perry: Investigating Dynamic Interactions among Socio-Ecological Diversity, Connectivity, and Resilience to Inform the Future of River Conservation (continued) (1.5 CM, 0.10 CEU) |
| 10:30 – 11:00 | David Hirschmann, Kip Mumaw: Retrofitting to Restore the River (0.50 CM) | Andy Brown: Volunteers in Watershed Planning and Management: A Collaboration of Trout Unlimited, the National Forests in NC, and NC Wildlife Resources Commission (0.50 CM) |
| 11:00 – 11:30 | Nathaniel Hitt: Fish abundance trends indicate destabilized flows in the Potomac(0.50 CM) | Nicole Sandberg: Local efforts matter: The impact of 20 years of nonpoint source restoration actions on streams and rivers of Virginia (0.50 CM) |
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