

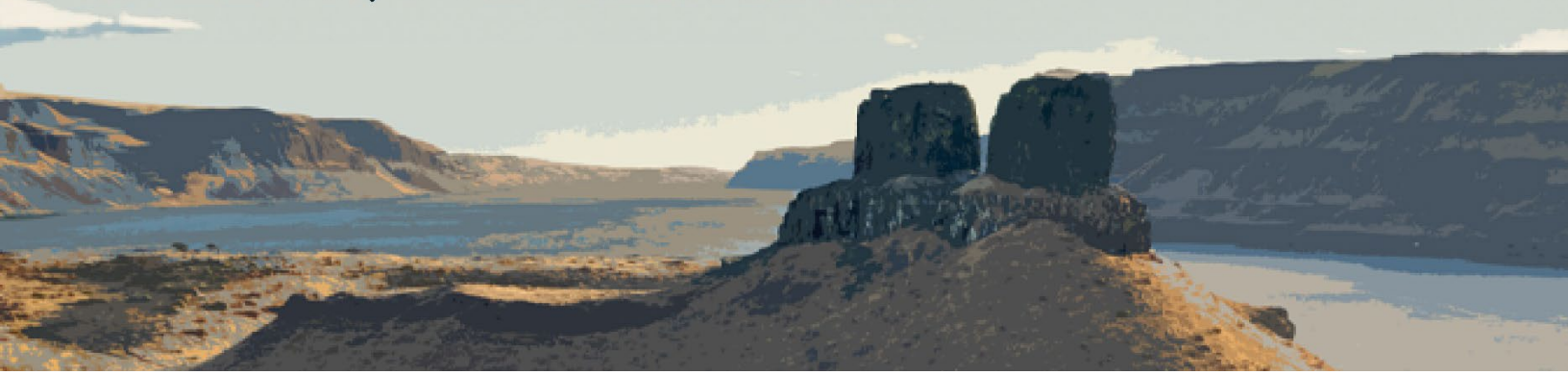


2024 Annual Conference

Red Lion Pasco Airport & Conference Center
2525 N 20th Avenue, Pasco, Washington

**SEPTEMBER 17-20, 2024
PASCO, WASHINGTON**

ROLL ON, COLUMBIA RIVER



Diamond Sponsors



PERTEET

Gold Sponsors



Stantec

AECOM

Parametrix

Silver Sponsors



WATERSHED
SCIENCE & ENGINEERING

nhc

northwest hydraulic consultants



AtkinsRéalis



**WEST
CONSULTANTS**

WATER | ENVIRONMENTAL | SEDIMENTATION | TECHNOLOGY

Event Sponsors



HERRERA
Science + Planning + Design

HR



Exhibitors



FloodBreak
REVOLUTIONARY FLOOD CONTROL



Floodproofing.com

OTT
HydroMet

CONFERENCE SCHEDULE

Tuesday, September 17, 2024

12:30 pm —5 pm: Conference Lobby

Registration Desk Open

1 pm — 5 pm: Bronze Ballroom

Optional training session, included with registration

The fundamentals of floodplain permitting and map revisions for restoration projects

Do you have a restoration project in the floodway? Is your jurisdiction struggling with the map revision process and project permitting? This training session will cover the basics of the permitting and regulatory process, tips and tricks for successful C/LOMR applications, and a local government perspective on this challenging topic.

- ***1:00 – 1:30 Regulatory Primer***

Regulatory permitting overview for no-rise analysis, Conditional Letter of Map Revision (CLOMR), or Letter of Map Revision (LOMR) and alterations of watercourses.

- ***1:30 – 3:00 Tips and tricks for a successful C/LOMR application***

FEMA will provide an overview of basic MT-2 requirements, best practices, and tips/tricks for successful CLOMR submittals as well as evolving CLOMR policy/guidance related to 1D and 2D approaches.

- ***3:00 – 4:30 Local government perspectives***

A panel of local government floodplain managers and engineers will discuss their strategies and challenges with the permitting and map revision process. Concurrent Session A on Wednesday will continue this conversation, discussing potential solutions and process improvements.

Sponsor Booth Setup: Tuesday after 1 pm, SILVER Ballroom

5 pm—9 pm: Olympic & Gold Ballroom

Welcome Social and New Member Welcome

- ◆ 5 pm – 6 pm: Meet and greet welcome for our new members!
- ◆ 6 pm – 9 pm: Welcome Social
- ◆ Appetizers and two drink tickets will be provided.





Wednesday, September 18, 2024

7:30 am—5 pm: Conference Lobby

Registration Desk Open

10:30 am—5 pm: Design Workshop Room

FEMA and CRS OFFICE HOURS: Make appointments to sit down with your FEMA Region 10 and CRS representatives

7:30 am—8:45 am: Olympic & Gold Ballroom

Buffet Breakfast, served in Silver, dining in Olympic

8:45 am—9:00 am: Olympic & Gold Ballroom

Welcome and Introduction

Deanna Horton, NORFMA Conference Chair (City of Spokane Valley)

Christina Wollman, NORFMA Chair (Perteet)

Lynn Schmidt, NORFMA Vice Chair (WA Ecology)

9:00 am—10:15 am: Olympic & Gold Ballroom

Plenary Session

Moderator: Christina Wollman, NORFMA Chair (Perteet)

- ◆ FEMA State of the Region
- ◆ Columbia River Treaty and Flood Risk Management – Ryan Cahill, U.S. Army Corps of Engineers-Portland District

10:15 am – 10:45 am

Break Time – Please visit our sponsors in the SILVER Ballroom

- ◆ Snacks, coffee, and water provided

10:45 am—11:45 am

State Breakout Sessions

- ◆ Network with conference attendees living and working in your state, get updates from the State NFIP office, and discuss specific challenges and opportunities in your area.
- ◆ **WA & BC – BRONZE**
- ◆ **OR – BIN NO. 20**
- ◆ **ID – FOREST**
- ◆ **AK – PROJECT WORKSHOP ROOM**

12 pm—1:15 pm: Olympic & Gold Ballroom

Buffet Luncheon

Keynote Speaker

- ◆ Ice Age Floods of the Inland Northwest – Nick Zentner
Nick is an award-winning educator in the earth sciences and is a geology professor at Central Washington University and host of the PBS TV show "Nick on the Rocks." His keynote presentation will focus on the ultimate ice age floods that shaped the northwest as we know it today.

1:30 pm—3 pm

Concurrent Session A – BRONZE

- ◆ Integrating flood risk perspectives into permitting efficiency solutions
– Kas Guillozet (BEF), Rowyn Cooper-Caroselli (Wolf Water Resources)

Concurrent Session B – BIN NO. 20

- ◆ From Abstract to Actionable: Demystifying Stream Power - Luke Russell (Wolf Water Resources)
- ◆ Consequences Rule Everything Around Me (C.R.E.A.M.): FY22 Willamette River Bank Protection Consequence Assessment - Yacoub Raheem & JD McLandrich (AECOM)
- ◆ Climate Emergency: Real or Contrived? - Gary Freeman (River Research & Design, Inc.)

Concurrent Session C – FOREST

- ◆ Building Statewide Resilience: Lessons for the PNW in Risk Reduction and Floodplain Management from the Louisiana Watershed Initiative - Eric Zgonina (HDR)
- ◆ Stream Level Approach in HUC-10 Watershed Scale 2D Hydraulic Models for Flood Study Application - Patrick VanDeWiele and Azadeh, Bloorchian-Verschuyt (Stantec Consulting Inc.)
- ◆ Adapting to Unforeseen Challenges, Lessons learned Delivering BLE FIRMs in FEMA Region VI - Jake Edington, Garrett Blauch (AECOM)

3:00 pm—3:30 pm

Break Time – Please visit our sponsors in the SILVER Ballroom

- ◆ Snacks, coffee, and water provided.





3:30 pm—5 pm

Concurrent Session D – BRONZE

- ◆ Floodplain Managers Roundtable – *facilitated by Christina Wollman (Perteet)*

Concurrent Session E – BIN NO. 20

- ◆ Groundwater Monitoring of the Fall City Floodplain Restoration Project - *J. Scott Kindred (Kindred Hydro, Inc.)*
- ◆ Enhancing Natural Flood Storage as a Stormwater Management Alternative in the Longfellow Floodplain - *Christina Avolio (Herrera Environmental Consultants)*
- ◆ Pendleton's Flood Response in McKay Creek: Balancing flood risk, habitat, and water supply in Northeast Oregon - *Kevin Coulton, PE, CFM (Environmental Science Associates)*

Concurrent Session F – FOREST

- ◆ Leading Idaho Local Bridge Program - Hydraulics, Accelerated Methods, and More! - *Ben Davis & Garrett Thompson (Keller Associates, Inc.)*
- ◆ WSDOT Fish Passage Program, Alternative Delivery Methods and Lessons From the Field – *David Cline & Nathan Dasler (Kiewit)*
- ◆ Collective Management of the Boise River Floodplain - *Brandon Hobbs (HDR)*

6 pm — 9:30 pm
Networking Event

THE REACH MUSEUM

1943 Columbia Park Trl., Richland, WA

BUS TRANSPORTATION PROVIDED.

WEAR CLOTHING FOR OUTDOOR DINING.

- ◆ You must bring your nametag to confirm your full conference registration for participation in the event.
- ◆ Dinner and drink tickets (beer, wine, and N/A beverages) will be provided.

Braised Short Ribs
Pacific Salmon w/ Dill Cream Sauce
Polenta Cake w/ Mushroom Ragu (Vegan)
Mashed Potatoes
Seasonal Vegetable
Garden Salad
Dinner Roll & Butter
Dessert

- ◆ Guest tickets may be purchased with conference registration.
- ◆ Buses will be available for transportation to and from the event.
 - Departing from the Pasco Red Lion to The REACH Museum at 5:30, 6:00, and 6:30 PM
 - Returning to the Pasco Red Lion from The REACH Museum from 8:00 to 10:00 PM





Thursday, September 19, 2024

7:30 am—noon Conference Lobby

Registration Desk Open

10:00 am—3:00 pm: Design Workshop Room

FEMA and CRS OFFICE HOURS: Make appointments to sit down with your FEMA Region 10 and CRS representatives

7:30 am—8:30 am: Olympic & Gold Ballroom

Buffet Breakfast and Welcome Message

8:30 am—10 am: Olympic & Gold Ballroom

Oregon Biological Opinion

- ◆ A panel of experts (FEMA, State, local communities) will provide an overview of the NFIP compliance with the Endangered Species Act (ESA) in Oregon, including Pre-Implementation Compliance Measures (PICMs), frequently asked questions, and options that communities are exploring.

10 am – 10:30 am

Break Time – Please visit our sponsors in the SILVER Ballroom

- ◆ Snacks, coffee, and water provided

10:30 am — 12 pm

Concurrent Session G - BRONZE

- ◆ Ins and Outs of the Redesigned NFIP Compliance Audit Program – Sarah Owen (FEMA Headquarters)
- ◆ Oops, I permitted that. Now what do I do? - Christina Wollman (Perteet)
- ◆ Best Practices and Tools for Developing a Substantial Damage Plan - Celinda Adair & Michelle Gilbert (AtkinsRéalis)

Concurrent Session H – BIN NO. 20

- ◆ Field Forensics: Why Working in the River didn't go as Planned - Tim Bedford (Jacobs)
- ◆ Channel Migration Zone Working Group (1 hr) - Heather Rogers (Ecology)

Concurrent Session I – FOREST

- ◆ Flood Risk Reduction in British Columbia - *Andrew Giles (B.C. Ministry of Water, Land and Resource Stewardship)*
- ◆ Mostly West, Sometimes North. A snapshot in time in managing the Nooksack River through a collaborative transboundary initiative. - *Julie Morse (Ecology); Paula Harris (Whatcom County); Andrew Giles (BC Ministry of Water, Lands, and Resource Stewardship)*
- ◆ Restoration as flood reduction: Island Unit Estuary Restoration Project - *Theo Malone, Bridger Banco (HDR)*

12 pm—1:15 pm: Olympic & Gold Ballroom

Buffet Luncheon & Membership Meeting

NORFMA Organization General Membership Meeting and Year in Review – *Christina Wollman, NORFMA Chair (Perteet) & the entire NORFMA Board.*

- General Discussion, Elections, Awards, News from Committees
- NORFMA Bylaws
- Goals for 2025



1:30 pm— 3 pm

Concurrent Session J – BRONZE

- ◆ Sediment as a Driver of Floodplain Management Solutions in the Puyallup and Nooksack Rivers: a Panel Discussion (1 hr) - *Paula Harris (Whatcom County Public Works); Helmut Schmidt (Pierce County Planning & Public Works); Scott Anderson (US Geological Survey); Nick Chapman (Seward-Bear Creek Flood Service Area)*
- ◆ Preparing a Comprehensive Flood Hazard Management Plan for Columbia County, Washington Under the New 2021 Ecology Guidance - *Catherine Billor (Northwest Hydraulic Consultants)*

Concurrent Session K – BIN NO. 20

- ◆ Improving Post-Wildfire Recovery: Coordinated Assistance for Landowners and Communities in Washington - *Collin Haffey (WA Dept of Natural Resources)*
- ◆ Leveraging FEMA's Hazus Tool to Assess Flood Impacts (1 hr) - *Kevin Mickey & Shane Hubbard (Indiana University / University of Wisconsin)*

Concurrent Session L – FOREST

- ◆ Proactive Management of Flooding with Innovative Technology for Every Budget - *John Niedfeldt (OTT HydroMet)*
- ◆ New Datums for an Improved National Spatial Reference System (NSRS) and Floodplain Management - *Daniel Determan (NOAA's National Geodetic Survey (NGS))*
- ◆ River Gaging: Best Practices - *Jeffery Budnick (WEST Consultants Inc.)*

3:15 pm – 4:45 pm: Olympic & Gold Ballroom

Closing Plenary: What you need to know about FEMA Program updates

- ◆ Federal Flood Risk Management Standard - Updates on FEMA's implementation of the FFRMS
- ◆ Community Rating System Redesign: Working Toward a More Resilient Future
- ◆ Why Won't the Flood Stay in the [Mapped] Floodplain?

4:45 pm: Olympic & Gold Ballroom

Farewell and thank you message

Conference Officially Ends

Dinner on your own.

Friday, September 20, 2024

7 am—8 am

Breakfast on Your Own

8 am— appx 12:30pm: Optional Field Tour of ice age floods sites

Space limited to 35. Registration required.

Participants should wear sturdy walking shoes and clothing suitable for the weather.

Organized by the Mid-Columbia Basin Old Natural Education Sciences (MCBONES) Research Center

- ◆ 8:00 - Gather at Hotel Lobby to load into the bus.
- ◆ 9:00 to 10:00 – Visit the Wallula Gap, a prominent hydraulic constriction of the ice age floods. Travel to second field site:
- ◆ 10:00 to 11:30 – Presentation at the MCBONES Research Center. Tour a mammoth excavation site and learn about biologic and geologic material deposited at the site during ice age flood events.
- ◆ 11:30 - Lunch at the MCBONES Research Center
- ◆ 12:00 – Depart for Pasco Red Lion

Tour guide: Gary Kleinknecht is a retired high school teacher and Tri-Cities Native. He has been interested in the Ice Age Floods for decades, incorporating the topic into his Washington History course beginning in the 1980's. He is a former president of the Ice Age Floods Institute and currently serves as IAFI vice president.

In 2008 Gary helped begin work at the Coyote Canyon Mammoth Site which is managed by the nonprofit organization Mid-Columbia Old Natural Educational Sciences (MCNONES). He currently leads tours of the site and serves as MCBONES' education director.

Many thanks to everyone who volunteered their time to bring us a successful conference!

-Sincerely, Deanna Horton, Conference Committee Chair,
City of Spokane Valley, WA

NORFMA Board

Chair – Christina Wollman, AICP, CFM (Perteet)

Vice Chair – Lynn Schmidt, PE, CFM (WA Dept. of Ecology)

Secretary – Angela Michaels PE, CFM (Engineering with a Mission LLC)

Treasurer – Michelle Gilbert, CFM (AtkinsRéalis)

State and Provincial Representatives

Alaska – Harmony Curtis, CFM (Division of Community and Regional Affairs)

British Columbia – Andrew Giles, M. Env. Studies, PMP (Ministry of Water, Lands, and Resource Stewardship)

Idaho – Brandon Hobbs, PE, CFM (HDR)

Oregon – Melissa Jenck, CFM (Tillamook County)

Washington – Nicole Henson (Spokane County)



Hotel Map

Red Lion Pasco Airport & Conference Center

