

2009 CASFM CONFERENCE PROGRAM**“20 Years of CASFM - Looking Upstream / Looking Downstream”****Tuesday, September 15, 2009**

- 8:00 am - 5:00 pm **Certified Floodplain Manager Training Session**
 Location: Mountaineer Square – Maroon Room
 Kallie Bauer, Proctor – Applegate Group
 Chris Tagert - Michael Baker, Kevin Houck – CWCB, Craig Jacobson - ICON
- 8:00 pm - 9:00 pm **Ice Breaker Social Hour**
 Location: Mountaineer Square – Trackers Bar

Wednesday, September 16, 2009

- 7:00 - 10:00 am **Certified Floodplain Manager Exam**
 Location: Elevations Conference Center – Maroon Room
 Kallie Bauer, Proctor – Applegate Group
 Chris Tagert - Michael Baker, Kevin Houck – CWCB, Craig Jacobson - ICON
- 8:00 - 9:30 am **Registration and Breakfast** in Vendor Area
 Chris Butler - CH2M Hill
- 9:30 - 10:00 am **Introduction and Welcome** by Kevin Houck - CASFM Chair
 Location: Mountaineer Square – Grand Ballroom
- 10:00 - 11:30 am **Keynote – Evolutions in Stormwater & Floodplain Management**
 Address by Clancy Philipsborn - Hazard Mitigation and Emergency Management Expert
- 11:30 – 1:00 pm **Lunch**
 Location: Elevations Conference Center – Peak Ballroom
 Introduction of 2009/2010 Officers and 2009 Scholarship Recipient
- 1:00 - 2:30 pm **Plenary Session – A Look Back at Some Project Award Winners**
 Location: Mountaineer Square – Grand Ballroom
 Moderator: Mark Glidden – CH2M Hill
 John Pflaum - 1990 Little Dry Creek Project in Englewood
 Cindy Thrush - 1999 Willow Creek Sedimentation Pond in Arapahoe County
 Chuck McKnight - 2003 Historic Arkansas Riverfront Project (HARP) in Pueblo
- 2:30 - 3:00 pm **Break** in Vendor Areas
- 3:00 - 5:00 pm **Project Presentations: 2009 CASFM Award Finalists**
 Moderator: John Pflaum - WH Pacific, Inc.
 1. Utah Park
 Design Concepts
 City of Aurora, CO
 Urban Drainage and Flood Control District
 2. The Big Pipe Flood Mitigation Project – Ranchmen’s Ditch and Lower Leach Creek
 ICON Engineering, Inc.
 City of Grand Junction, CO
 3. South Platte River Globeville and North Areas Flood Control and Greenways Project
 Love & Associates, Inc. dba Belt Collins West
 City and County of Denver
 Urban Drainage & Flood Control District
 4. Keep It Clean Partnership LID Checklist Development/Barrier Analysis
 Wright Water Engineers, Inc.
 Keep It Clean Partnership
- 5:00 - 6:30 pm **Happy Hour sponsored by SEH, Inc.** in Vendor Exhibit Area
Dinner on your own

Thursday, September 17, 2009

7:30 - 8:30 am **General Membership Breakfast Meeting**
 Location: Mountaineer Square – Grand Ballroom

8:30 – 12:00 pm **Concurrent Technical Sessions**
 (10:00 – 10:30 am Break)

Stormwater Management and Low Impact Development (LID)

Location: Elevations Conference Center – Anthracite Room
 Moderator: Terry Baus – City & County of Denver

The Truth About Implementing Low Impact Design
 Herman H. Feissner - Feissner Consulting, LLC
 Brian Campbell – City of Boulder

Use of LID Principles to Integrate Wildlife Habitat and Stormwater Management
 Susan Nordstrom, Grant Gurnee – Walsh Environmental Scientists and Engineers, LLC
 Tim McConnell – M&S Civil Consultants, Inc.

Expanding the International Stormwater BMP Database Reporting, Monitoring and Performance
 Analysis Protocols to Include Low Impact Development
 Jane Clary, Andrew Earles, Jonathan Jones, John O'Brien - Wright Water Engineers, Inc.
 Ben Urbonas - Urban Watersheds Research Institute, LLC

Union Place – A Comprehensive Approach to a Low Impact Design Development
 Sam Eliason - Nolte Associates, Inc.

LID in the Park - Using Infiltration to Improve Water Quality in Cherry Creek State Park
 Noelle S. Beegle - Short Elliott Hendrickson, Inc.

Stormwater Quality Control Volume for Cold Regime
 Dr. James C.Y. Guo, Professor – University of Colorado at Denver
 Dr. Andrew Earles – Wright Water Engineers

Flood Hazard and Floodplain Policy

Location: Elevations Conference Center – Beckwith Room
 Moderator: Josh Hollon – PBS&J

(1 hour roundtable discussion) A History of and Discussion about Meeting Non-Levee Embankment
 (or Levee-Like Structure) Requirements in FEMA Regulatory Floodplains and Floodways
 Brian Varrella - City of Fort Collins Stormwater Utility
 Brad Anderson - Anderson Consulting Inc.
 Kevin Houck - CWCB

Sand Creek Levee Recertification
 Clinton Weisz, Mark Donelson - City of Aurora
 Alaina Smith - Tetra Tech, Inc.

FEMA Risk Map Program Status
 Dawn Gladwell – FEMA Region VIII, Thuy Patton – CWCB
 Dave Jula – Michael Baker Jr., Inc.

Inadvertent Detention: Lose it or Use it?
 Kimberley A. Pirri - URS Corporation

How to Drain an Airbase in Korea - Watershed, Floodplain, Communication, and Cultural
 Challenges
 Craig Wilkening, Douglas Stewart - CH2M HILL

Stream Restoration

Location: Elevations Conference Center – Conundrum Room

Moderator: Brian Murphy - CDM

Innovative Urban Stream Restoration and Flood Protection with Principles of Natural Channel Design and Fluvial Geomorphology

David Bidelspach – Stantec

Is it Stable Yet? A Lessons Learned Approach to Predicting Long-Term Stable Channel Slopes

Alan Turner, Mark Glidden - CH2M HILL

Pieter Van Ry, David Van Dellen - Town of Castle Rock

2010 – A Drop Structure Odyssey – 40 Years of Drop Structure Innovation – From Then to Now

Scott Yanagihara - CH2M HILL

David Bennetts, Paul Hindman – Urban Drainage and Flood Control

Multi-Disciplinary Master Planning along the Fountain Creek Corridor between Colorado Springs and Pueblo, Colorado

Carol Baker - Colorado Springs Utilities

Kevin Shanks - THK Associates

Graham Thompson - Matrix Design Group, Inc.

Restoration of the Falls of the Chattahoochee River

Richard McLaughlin, Jacob James - McLaughlin Water Engineers, Ltd.

Enhancement of Streams on Southern Ute Tribal Lands

Mike Lighthiser, Vince Sortman, Claudia Browne - Biohabitats

Mich Burns - Southern Ute Indian Tribe Environmental Program

Stormwater and Floodplain Management

Location: Elevations Conference Center – Maroon Room

Moderator: Rick Willard - CDOT

Alternative Delivery Method for Public Works

Kimberly Watanabe, R. Rodriguez - City and County of Denver

W. Plaehn – Parsons

The Long Road to Forming the Boxelder Basin Regional Stormwater Authority

Rex Burns - Local Government Solutions, LLC

Andrea Faucett - Ayres Associates

Considerations for MS4s in the Age of Increasing Regulatory Agency Oversight and Enforcement
Action on Stormwater Compliance: A Case Study on the Consent Decree Recently Issued to CDOT

Rick Willard - Colorado Department of Transportation (CDOT)

and Tiffany McEachen - CH2M HILL

South Platte River Restoration Zuni/Sun Valley Reach

Kimberly Watanabe - City and County of Denver

Tim Fairbank - Matrix Design Group, Inc.

Stormwater Practices in New Zealand

Dan Evans - OPUS International Auckland, New Zealand

12:00 - 1:30 pm

Conference Attendee Lunch: Mountaineer Square – Grand Ballroom
Board Member Meeting (All Board Members, Regional Rep's, and Committee Chairs)
Location: Mountaineer Square – Al Johnson Boardroom

1:30 - 5:00 pm
(3:00 – 3:30 pm)

Concurrent Technical Sessions

Break)

Watershed Protection and Best Management Practices (BMP's)

Location: Elevations Conference Center – Anthracite Room

Moderator: Cindy Thrush - UDFCD

eRAMS – A Web-Based Tool for Evaluating Stormwater Management Practices

Dr. Mazdak Arabi, Chris Olson, Dr. Larry Roesner - Colorado State University

The “Cure” For Pervious Concrete Problems

Ken MacKenzie – Urban Drainage and Flood Control District

Stephan Durham, PhD Civil Engineering - University of Colorado at Denver

Joe Rottman, Bernie Cawley - Colorado Ready Mixed Concrete Association

Bud Werner - CTL Thompson

Using Modular Block Pavement for Stormwater Detention

Terry Martin, Dan Hinzmann - SEH

Adventures in Algae – Maintaining Constructed Wetlands in Residential Areas

Holly Piza, Shea Thomas - Urban Drainage and Flood Control District

John O'Brien - Wright Water Engineers

Kevin Lewis - City and County of Denver

High Point Cascading Integrated Water Quality Pond

Deborah Fisher - Martin/Martin, Inc.

A Comparison of Engineered Soil Mixtures on Bioretention Cell Performance

Laura Hallam - URS Corporation

Technical Modeling

Location: Elevations Conference Center – Beckwith Room

Moderator: Jeffery Cheng - AMEC Earth and Environmental

Composite Design Storm Development at the Parkdale Quarry

Kallie Bauer, Matthew Young - Applegate Group, Inc.

Calibration of Converted CUHP 2005 and EPA SWMM 5.0 Hydrology Models

Teresa L. Patterson - Moser & Associates Engineering

What Are Gages Telling Us About Our Models? Suggestions for Moving Forward

Lucas Babbitt, Matrix Design Group, Inc.

StormCAD to UD-Sewer Hydraulic Gradient Line Conversion

E. John Loranger, Jeffery Y.C. Cheng - AMEC Earth and Environmental

Ken MacKenzie - Urban Drainage and Flood Control District

Quang Nguyen - Southeast Metro Stormwater Authority

Comparison of HEC-RAS and EPA-SWMM for Unsteady Flow Routing through Bridges

Mike Vinson – Southeast Metro Stormwater Authority

George K. Cotton – George K Cotton Consulting, Inc.

Enhanced HEC-RAS Modeling Using Stream Tube Visualization

George K. Cotton, P.E.

Flood Preparedness and Hazard Mitigation

Location: Elevations Conference Center – Conundrum Room

Moderator: Brad Anderson – Anderson Consulting Engineers

2009 Flood Season Review

Kevin Houck – Colorado Water Conservation Board

This Floodplain Is My Home: Keeping Communities and Watersheds at the Center of Flood Hazard Mitigation

Brian Hyde, Iain Hyde - WCC

David Duclos - The COLE Company

Bringing Your Hazard Mitigation Plan To Life: Strategies For Success With Mitigation Grant Programs

Rich Hansen - Colorado Division of Emergency Management

Douglas County, Colorado Flood Hazard Inventory Tool (FHIT)

Markus L. Ritsch - WET

Michael McMahan - HDR

Garth Englund - Douglas County

Familiar Hydrologic Prediction Tool Used for Large Rivers Offers Possible Model for Forecasting Flash Floods and Impacts on Small Streams

Kevin Stewart, Urban Drainage and Flood Control District

Bruce Rindahl, Leonard Rice Engineers

UDFCD Preparedness Exercise 2009 – Dealing with a Flood in Morrison

Jeff Brislawn, AMEC Earth and Environmental

Kevin Stewart, Urban Drainage and Flood Control District

5:30 - 7:00 pm

Cocktail Hour *Sponsored by Oldcastle Precast* in Vendor Area

7:00 - 9:30 pm

**CASFM Association Dinner and Awards Ceremony
*Sponsored by Matrix Design Group, Inc.***

Location: Mountaineer Square – Grand Ballroom

Grand Prize Drawings, Stuart Gardner - CDOT

2009 CASFM Project Awards Presentation, John Pflaum - WH Pacific, Inc.

Friday, September 18, 2009

- 7:30 - 8:30 am **Continental Breakfast** in Vendor Area
- 8:30 - 9:00 am **Closing Remarks**
Location: Mountaineer Square – Grand Ballroom
CASFM Chair, Stormwater/Flood Committee Chairs
Conference Evaluation
- 9:00 – 11:30 am **Technical Session: Front Range Watershed-Wildfire Protection**
Location: Elevations Conference Center – Conundrum Room
Moderator: Gary Walter – Douglas County
- Black Water Floods: Runoff and Erosion from Burned Watersheds
Deborah Martin, U.S. Geological Survey
- Threats of Severe Wildfires to Colorado Front Range Water Supplies
Don Kennedy, Denver Water
- A Watershed Assessment and Prioritization Process to Protect Source Watersheds from Wildfire Damage
Hal Gibbs, U.S. Forest Service
- Preparing Critical Community Watershed-Wildfire Protection Plans in Colorado Front Range Source Watersheds
Chuck Dennis, Colorado State Forest Service
- 9:00 – 12:00 pm **Field Trip Options:**
1. **Fly Fishing Tour**
Coordination by Alan Turner, Chris Butler – CH2M HILL
 2. **Horseback Riding Tour**
Coordination by Kimberly Watanabe, City & County of Denver
 3. **Mountain Bike Tour**
Coordination by Rich Ommert - Moser & Associates
 4. **Bird Watching Tour**
Coordination by Sarah Houghland - Michael Baker Jr. Inc.
- 12:00 - 5:00 pm **Golf Tournament at Crested Butte Country Club**
Mike Bartusek – Associated Design Professionals