

**2010 CASFM CONFERENCE PROGRAM**  
**Snowmass Village, Colorado**

**“Coming of Age”**

**Tuesday, September 21, 2010**

- 8:00 am - 5:00 pm **Certified Floodplain Manager Training Session**  
Location: Main Ballroom – Anderson Side  
Kallie Bauer, Proctor – Applegate Group, Kevin Houck – CWCB,  
Chris Tagert - Michael Baker, Craig Jacobson - ICON
- 2:00 pm – 5:00 pm **Workshop #1: Floodplain Management Negotiations**  
Location: Main Ballroom – Hoaglund Side  
Ed Thomas, Esq. - Michael Baker
- 3:00 pm – 5:00 pm **Workshop #2: The Planning Process from Inception through Implementation – American Planning Association (APA)**  
Location: Kearns Room  
Steven Westbay, AICP, CFM – City of Gunnison
- 5:00 pm - 8:00 pm **Dinner on Your Own**
- 8:00 pm - 9:00 pm **Ice Breaker Social Hour *sponsored by Olsson Associates***  
Location: The Cabaret Room – Below the Main Lobby in the Silvertree Hotel

**Wednesday, September 22, 2010**

- 7:00 - 10:00 am **Certified Floodplain Manager Exam**  
Location: Main Ballroom – Hoaglund Side  
Kallie Bauer, Proctor – Applegate Group  
Kevin Houck – CWCB, Chris Tagert – Michael Baker, Craig Jacobson – ICON
- 8:00 - 9:30 am **Registration and Breakfast**  
Conference Center Lobby and Vendor Area  
Alan Turner - CH2M Hill
- 9:30 - 10:00 am **Introduction and Welcome** by David Mallory - CASFM Chair  
ASFPM Foundation Introduction, Ed Thomas, Esq.  
Location: Main Ballroom – Anderson Side
- 10:00 - 11:30 am **Keynote – Floodplain Policy Coming of Age**  
Address by Ed Thomas, Esq. - Michael Baker
- 11:30 – 1:00 pm **Lunch**  
Location: Roof Garden – Second Floor of the Conference Center  
Introduction of 2010/2011 Officers and Committee Chairs  
2010 Scholarship Recipient Presentation

1:00 - 2:30 pm

**Concurrent Technical Sessions****Workshop: The New Urban Storm Drainage Criteria Manual, Volume 3**

Location: Main Ballroom – Anderson Side

Holly Piza, P.E., CFM, Urban Drainage and Flood Control District

T. Andrew Earles, Ph. D., P.E., D.WRE, Wright Water Engineers, Inc.

**Technical Session:**

Location: Main Ballroom – Hoaglund Side

Moderator: Brian Murphy, CDM

Riffle Rock Applications in Stream Restoration

Laura Kroeger - Urban Drainage &amp; Flood Control District,

Jim Wulliman and Derek Johns - Muller Engineering Company

Reaching the Masses for Stormwater Quality with CLEAR Communications.

One Thing Is CLEAR Public Outreach Campaign in Douglas County

David Van Dellen, PE and Karen McGrath - Community Relations, Town of Castle Rock

Ward Mahanke, P.E. – TST Inc. of Denver

Certification of the Templeton Gap Levee in Colorado Springs

Mark Kempton, P.E., CFM - Anderson Consulting Engineers, Inc., Fort Collins, CO

2:30 - 3:00 pm

**Break** in Vendor Areas

3:00 - 5:00 pm

**Project Presentations: 2010 CASFM Award Finalists**

Location: Main Ballroom – Anderson Side

Moderator: John Pflaum - WH Pacific, Inc.

1. Elmer's Twomile Greenways Project  
Annie Noble - City of Boulder  
Mark Post - Centennial Engineering  
Mike Galuzzi - WHPacific, Inc.
2. Cherry Creek Drop Structure 27  
David Bennetts and Barbara Chongtoua - Urban Drainage and Flood Control District  
Michelle Slovensky - Matrix Design Group
3. Hildebrand Ranch Open Space Park – Trailhead Parking Area  
B.J. Ellison - Jefferson County Open Space  
Matt Andrews and Carolyn Roan - Muller Engineering
4. McIntyre Gulch Enhancement at St. Anthony's Hospital Site  
Blair Hurst - Walsh Environmental Scientists and Engineers  
The Romani Group

5:00 - 6:30 pm

**Happy Hour sponsored by Matrix Design Group, Inc.** in Vendor Exhibit Area  
**Dinner on your own**

**Thursday, September 23, 2010****7:30 - 8:30 am General Membership Breakfast Meeting**

Location: Main Ballroom – Anderson Side

**8:30 – 12:00 pm Concurrent Technical Sessions**

(10:00 – 10:30 am Break)

**Hydraulic Structures**

Location: Kearns Room

Moderator: Chris Carlson, City of Loveland

Ugly, Tolerable or Wow? Constructing Sculpted Concrete Drop Structures

Jeff Fisher and Laura Kroeger - Urban Drainage &amp; Flood Control District,

Jerry Naranjo – Naranjo Civil Constructors

Stream Corridor Stabilization – A Comparison of Approaches Using Large and Small Height Grade Controls

George Slovensky, P.E. - Matrix Design Group, Inc.

Using the HEC-14 CSU Rigid Boundary Basin Method with Grouted Boulders for Storm Sewer Outfalls

Colin Haggerty, PE, CFM and Eugene Vojdanskyy, PE, CFM - Parsons Brinckerhoff

Scour Critical Bridges in Colorado

Stuart Gardner, PE - Colorado Department of Transportation

Rick Moser, PE – Moser &amp; Associates

Aquatic Organism Passage Design Guidelines for Culverts

Roger Kilgore, P.E., D.WRE - Kilgore Consulting and Management

Construction Vibration Monitoring

Molly Trujillo and Scott Palmer – Southeast Metro Stormwater Authority

Richard Borchardt – Urban Drainage and Flood Control District

**Stormwater Management & Water Quality**

Location: Main Ballroom – Anderson Side

Moderator: Noelle Beegle

Total Suspended Sediment Removal Rate for Water Quality Ponds

Hui-Ming “Max” Shih, Ph.D, CFM - URS Corporation

James C.Y. Guo, Ph.D, PE - Professor, Department of Civil Engineering, UCD,

Bill Sabatka, PE - URS Corporation

Tackling Erosion Caused by Roadway Deicing Agents

Catherine Rafferty P.E. - City and County of Denver, Department of Aviation

Rich Ommert P.E., and Lee Rosen, E.I. - Moser &amp; Associates Engineering

Developing New Local Construction Stormwater Discharge Regulations through Partnership and Stakeholder Collaboration

Sean Lieske - Aurora Water

Tiffany McEachen - CH2M Hill

Holly Hills Detention Ponds: Retrofitting a Detention Pond within Lots of an Established Residential Subdivision

Bruce Behrer, PE, CFM, CPESC - Muller Engineering Company Inc.

A System Approach to Watershed Planning

Lucas Babbitt - Matrix Design Group, Inc

Retail Drainage, or How to Design Local Site Drainage for Safety, Exceptional Appearance, and Problem Avoidance

Peter L. Nelson, PE - PL Nelson Engineering, Inc.

**Floodplain Management**

Location: Main Ballroom – Hoaglund Side

Moderator: Frank Kemme, City & County of Denver

**The eLOMA Process**

Ryan Carroll, CFM - Michael Baker Jr., Inc.

**FEMA Risk MAP Products**

Dawn Gladwell, PE, CFM - FEMA Region VIII and

Dave Jula, PE, CFM - Michael Baker Jr., Inc.

**Floodproofing Non-Residential Structures Rules, Regulations and Structural Considerations**

Daniel Knapp, P.E. - Anthem, LLC

Katie Knapp, P.E. CFM - City of Boulder, Public Works

Nancy Steinberger, P.E., CFM - FEMA, Region VIII

**The Triple Bottom Line (TBL) of Sustainable Floodplain Management**

Brian K. Varrella, P.E., CFM - City of Fort Collins

**Colorado's Flood Decision Support System**

Amy Volckens, PE, CFM, and Jay Day, PE, PhD - Riverside Technology, inc.

Graeme Aggett, PhD - AMEC Earth and Environmental

Carolyn Fritz and Chris Sturm - Colorado Water Conservation Board

**The Morphology of the National Flood Insurance Program: The Evolution of a Fiduciary Management Tool into a Quasi-environmental and Land Use Management Devise**

Paul C. Currier, P.E., CFM - Water Resource Consultants, LLC

12:00 - 1:30 pm

**Conference Attendee Lunch:**

Location: Roof Garden

Board Member Meeting (All Board Members, Regional Rep's, and Committee Chairs)

Location: Slope Side outside of the Brothers Grill – 5<sup>th</sup> Floor

ASFPM Floodplain Video Demonstration

Location: Main Ballroom – Hoaglund Side

1:30 - 5:00 pm      **Concurrent Technical Sessions**  
(3:00 – 3:30 pm Break)

**Watershed Management & Stream Restoration**

Location: Kearns Room

Moderator: Rik Gay, CDOT

Lakewood Gulch: A Century Later

Thomas Blackman, PE - City and County of Denver

Thomas Fairley, PE - Kiowa Engineering

Barbara Chongtoua, PE, CFM – Urban Drainage and Flood Control District

Grand County, Colorado, Stream Management Plan

Peggy Bailey, P.E. - Tetra Tech, Inc

Eagle River Restoration Project: “Edwards Reach”

Julie E. Ash, P.E. - Walsh Environmental Scientists & Engineers, LLC

Urban Floodplain Encroachment – This is Why we have a Job!

Robert Krehbiel - Matrix Design Group

Genesis of Regional Hydraulic Geometry Relationships for the Fountain Creek Watershed, CO

Graham Thompson, P.E. - Matrix Design Group, Inc.

**Low Impact Development**

Location: Main Ballroom – Anderson Side

Moderator: Terry Baus, City & County of Denver

Low Impact at High Elevations – City of Aspen’s Urban Runoff Management Plan

April Barker - City of Aspen

Out of the Box and Off the Shelf – Linear Project Hybrid PLD Pilot Study Shows Promise

Darren Mollendor, PE - Denver Department of Public Works

Innovative Stormwater Management Facilities

T. Duane Launder, PE CFM - Dept. of Public Works, City of Aurora

Low Impact Development (LID) Concepts – City of Pueblo, Colorado

Kelly Jankowski, EI - SEH

Hydrologic Performances of Pervious Concrete and Porous Asphalt Pavement Systems

Thomas P. Ballesterio, Robert M. Roseen, James P. Houle, Timothy Puls, Federico García-Urbe - University of New Hampshire Stormwater Center

Low Impact Development on a Federal Installation

E. John Loranger - AMEC Earth and Environmental

Jeffrey Y.C. Cheng - AMEC Earth and Environmental

Dorothy Eisenbraun - AMEC Earth and Environmental

Chad Callan - USAF AFSPC 460 CES/CEC

## **Technical Hydrologic & Hydraulic Modeling**

Location: Main Ballroom – Hoaglund Side

Moderator: John Hunt, Ayres Associates

Colorado Unit Hydrograph Procedure from 1980 to 2010

James C.Y. Guo, Ph.D, PE - Professor, Department of Civil Engineering, UCD  
Ben Urbonas, PE – Urban Watersheds Research Institute

Hydrograph Comparison between SWMM5 and CUHP2005

Jeffrey Y.C. Cheng, PE and Szu-Min Yang - AMEC Earth & Environmental  
Monica Bortolini, PE CFM - SEMSWA

Modern Stream Equilibrium Analysis

George Cotton, PE – George K Cotton Consulting

Statistical Methods in Flood Hydrology

Chuck McKnight - Parsons Brinckerhoff

Impact of Coupled One-Dimensional and Two-Dimensional Model in Master Planning Studies

Aaron Cook - CH2M Hill

Albuquerque West Levee LOMR: Benefits and Challenges using FLO-2D

Chad Morris, P.E., CFM and Dai Thomas, P.E. - Tetra Tech, Inc.,  
Jerry Lovato, P.E. - AMAFCA

5:30 - 7:00 pm

**Cocktail Hour *Sponsored by ERO Resources Corp.*** in Vendor Area

7:00 - 9:00 pm

**CASFM Association Dinner and Awards Ceremony  
*Sponsored by AMEC Earth and Environmental***

Location: The Cabaret Room – Below the Main Lobby in the Silvertree Hotel  
Grand Prize Drawings, Stuart Gardner - CDOT  
2010 CASFM Project Awards Presentation, John Pflaum - WH Pacific, Inc.

9:00 - 11:00 pm

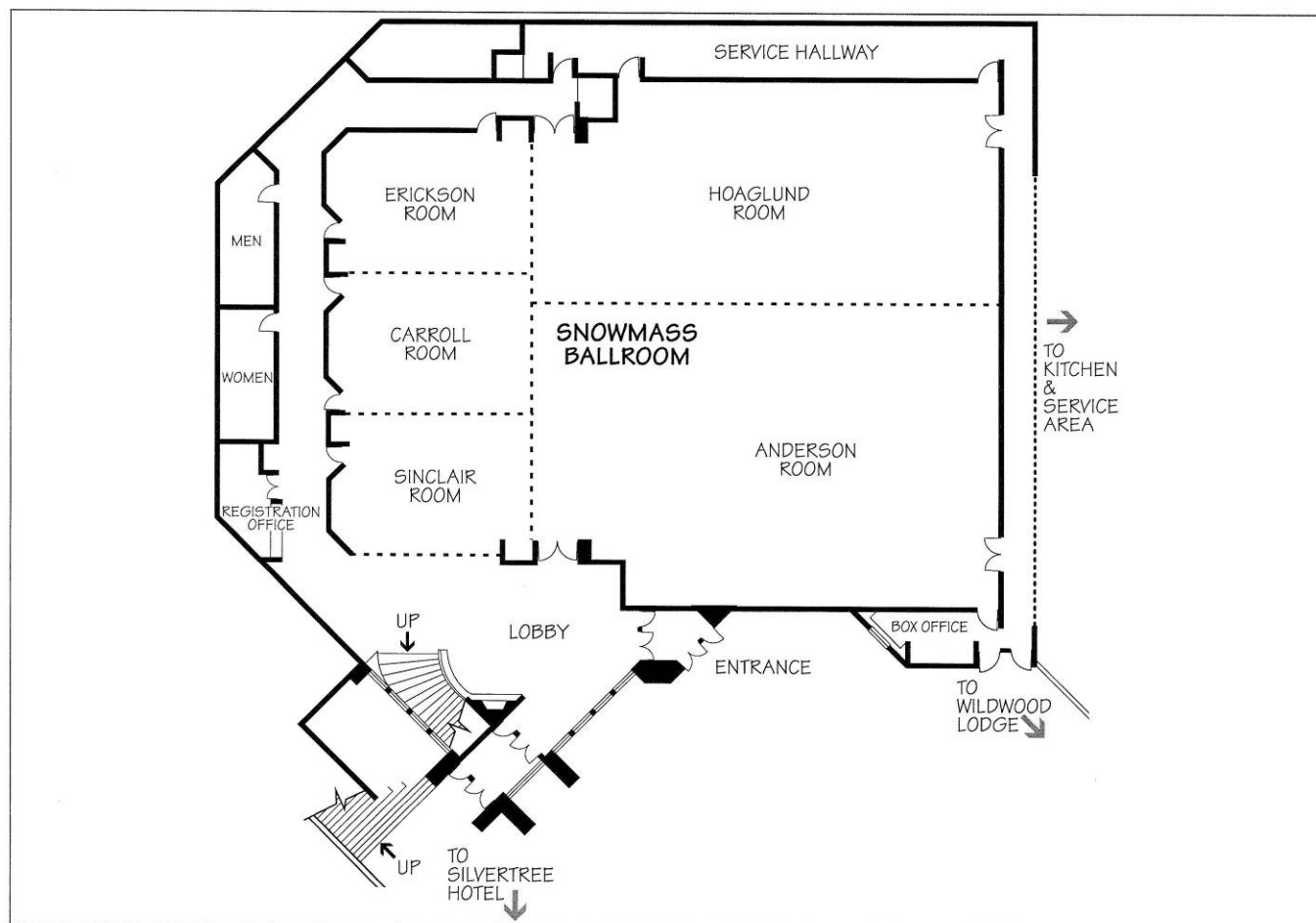
**Casino Night**

Location: In the Lower Lobby of the Silvertree – Outside of the Cabaret Room

**Friday, September 24, 2010**

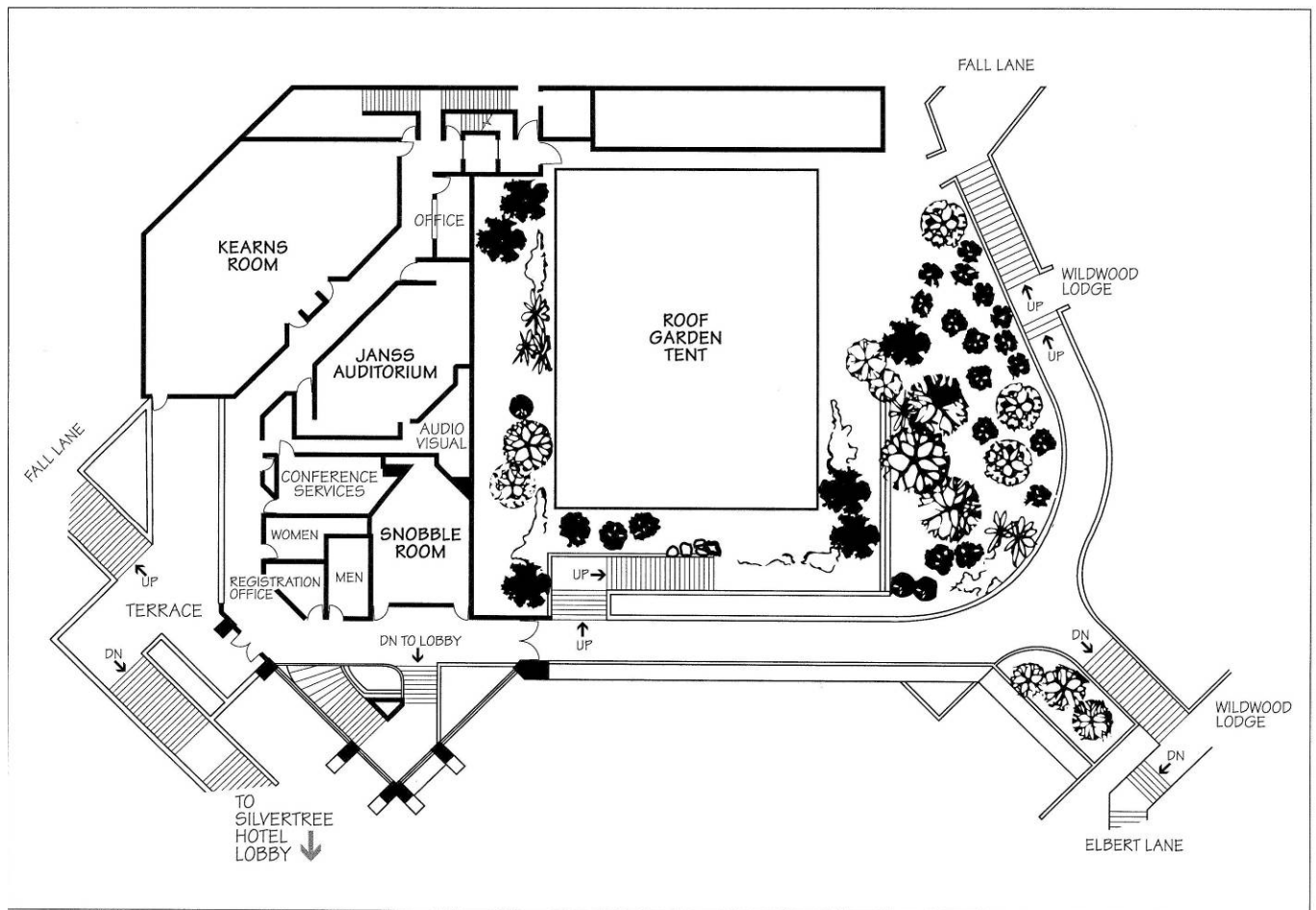
- 7:30 - 8:30 am      **Continental Breakfast** in Vendor Area
- 8:30 - 9:00 am      **Closing Remarks**  
Location: Main Ballroom – Anderson Side  
CASFM Chair, Stormwater/Flood Committee Chairs  
Conference Evaluation On-Line
- 9:00 – 12:00 pm    **Workshop #1: Emergency Management for Floodplain Managers:  
What Happens When It Actually Floods?**  
Location: Main Ballroom – Hoaglund Side  
Jeff Brislawn, CFM, AMEC Earth and Environmental  
Laura Nay, CFM, AMEC Earth and Environmental
- 9:00 – 12:00 pm    **Workshop #2: Floodplain Management Negotiations**  
Location: Main Ballroom – Anderson Side  
Ed Thomas, Esq. - Michael Baker
- 9:00 – 12:00 pm    **Field Trip Options:**
- 1. Transbasin Diversions Tour and Independence Pass**  
                         *Coordinated by Brian Murphy – CDM*
- 2. Horseback Riding Tour**  
                         *Coordinated by Kimberly Watanabe – City & County of Denver*
- 3. Mountain Bike Tour**  
                         *Coordinated by Rich Ommert – Moser & Associates*
- 10:00 - 3:00 pm    **Golf Tournament at Aspen Municipal Golf Course**  
                         Dave Center – AECOM Transportation

## Conference Center – First Floor





## Conference Center – Second Floor



## Overall View of the Hotel and Conference Center

