

TECHNOLOGY: PROVIDING TOOLS FOR DECISION MAKING



6TH ANNUAL CONFERENCE

June 14th - 16th, 1995
Sheraton Colorado Springs Hotel
Colorado Springs, Colorado



C A S F M

Colorado Association
of Storm Water and
Floodplain Managers

**FINAL PROGRAM
CASFM 1995 CONFERENCE**

"TECHNOLOGY: PROVIDING TOOLS FOR DECISION-MAKING"

Wednesday, June 14, 1995

8:30-10:00 am Registration

10:00-10:30 am **Introduction and Welcome**
Summit 1 Room

Larry Lang, Conference Chair
Mark Glidden, CASFM Chair
Lisa Are-Cook, Colorado Springs Council Member

10:30-11:45 am **Keynote Address**
David C. Kraft, Ph.D., P.E.
Professor of Engineering Management, University of Kansas
Former Dean of the School of Engineering, University of Kansas
President of Managing Technology, Inc., Overland Park, Kansas

11:45- Noon Break

12:00-1:30 pm Lunch
Summit 2 Room

CWCB Poster Contest Winner
Moderator: Mark Matulik
Special Guests: Courtney Young, Sixth Grade
First Place Winner, Statewide
Timberview Middle School, Colorado Springs

Patty Means, Sixth Grade Teacher
Bill Shell, Principal
Timberview Middle School

Wednesday, June 14 -continued

1:30-2:45 pm

**Plenary Session:
Perspectives on Technology**

Summit 1 Room

Moderator: Brian Hyde

Richard Muniz, San Luis Valley Office of Emergency
Preparedness

Ernesto Arias, Professor, College of Architecture and Planning,
University of Colorado, Boulder

Leo Eisel, President, McLaughlin Water Engineers, Ltd.

2:45-3:00 pm

Break

3:00-4:30 pm

**Project Presentations:
1995 CASFM Award Nominees**

Summit 1 Room

Moderator: John Pflaum

1. Legacy Ridge Golf Course Community Flood Control
Improvements; City of Westminster, RBD, Inc.

2. Foothills Basin Regional Channel; City of Fort Collins
Stormwater Utility, TST, Inc.

3. Bear Canyon Creek: Construction of a Supercritical Channel
and Bikepath Through Backyards in Boulder, CO; City of
Boulder, Urban Drainage and Flood Control District, Love and
Associates, Inc.

4. Coal Creek Flood Control Project; Erie, Colorado, Water
Resources Consulting, Inc., Colorado Water Conservation Board

4:30-5:30 pm

Happy Hour
Vendor Room - Pikes Peak 2

Dinner on Your Own

Thursday, June 15, 1995

7:30-9:00 am **Joint Committee Breakfast Meeting**
Stormwater and Flood Committees
Summit Room

9:15-10:30 am **Concurrent Sessions:**
Stormwater Quality I
El Paso Room
Moderator: Dave Guetig

"Watershed Approach to Stormwater Quality", Kevin McBride, City
of Fort Collins Stormwater Utility

"Inventory of Structural BMPs in Urban Areas of Colorado",
John Doerfer, Urban Drainage and Flood Control District

Multi-Use Projects and Planning
Fremont Room
Moderator: Mike Bartusek

"Multi-Use Planning Changes for Floodplain Managers",
Larry Lang, Colorado Water Conservation Board

"South Platte River - Central Platte Valley Improvements",
Brian Kolstad, McLaughlin Water Engineers, Ltd.

"Video Overview of a Multi-Use Objective Planning
Effort: Vermillion River Basin, South Dakota," prepared by
the National Park Service

10:30-10:45 am Break

10:45- Noon **Concurrent Sessions:**
Stormwater Quality II
El Paso Room
Moderator: Bruce Thorson

"Using Snow Pile and Snow Melt Runoff Sampling Instead of
Rainfall Runoff Sampling", Gail E. Saxton, Parsons
Engineering Science, Inc.

"So You've Got the Numbers, What Do They Mean?",
Cindy Thrush, Arapahoe County Engineering

Weather Outlooks and Forecasting
Fremont Room
Moderator: Mike Grimm

"National Weather Service Technology", Larry Mooney, National
Weather Service

"Using Real Time Colorado NOAA Data for Emergency
Management", Eve Gruntfest, University of Colorado,
Colorado Springs

Thursday, June 15 - continued

- 12:00-1:30 pm Lunch
Garden Room
Field Trip Presentation, City of Colorado Springs
- 1:30-4:00 pm **Field Trip**
City of Colorado Springs
- 4:00-5:00 pm Break
- 5:00-7:00 pm Cocktail Hour in Vendor Room
Pikes Peak 2 Room
- 7:00-10:00 pm **CASFM Association Dinner**
Summit Room
1995 CASFM Project Awards Presentation

Friday, June 16, 1995

- 7:30-8:30 am Breakfast in Vendor Room
Pikes Peak 2 Room

8:45-10:15 am **Concurrent Sessions:**

Stream Stability/Flood Geomorphology

El Paso Room

Moderator: Kevin Gingery

"Coarse-Sediment Distribution as Evidence of an Elevation Limit for Flash-Flooding, Bear Creek, Colorado", Mike Grimm, City of Fort Collins Stormwater Utility

"Incorporating Channel Stability into Floodplain Management", Brad Anderson, Lidstone and Anderson, Inc.

"Scour and Stream Stability Problems at Highway Bridges- An Overview of Bridge Failures, Local Response, and Current State-of-the-Art", Peter F. Lagasse and David M. Frick, Ayres Associates

Flood Mitigation

Pikes Peak 4 Room

Moderator: Terry Bowen

"Developing a Pre-Disaster Flood Hazard Mitigation Plan", Mark Matulik, Colorado Water Conservation Board

"Lyons, Colorado, Flood Hazard Mitigation Plan", Bob Kistner, Colorado Office of Emergency Management

Friday, June 16 - continued

10:15-10:30 am Break

10:30-11:45 am **Plenary Session:**
GIS Applications
Centennial Room
Moderator: Terry Baus

"Application of a GIS to Drainageway Master Planning",
Rusty Collyer, Greenhome and O'Mara, Inc.
"GIS Application in CDOT's NPDES Permit", Philipp Sieber,
Colorado Department of Transportation

11:45- Noon Closing Remarks

CASFM Chair
Stormwater and Floodplain Committee Chairs
Conference Evaluation

1:00 pm Golf Tournament
Pine Creek Golf Club

1995 CASFM ANNUAL CONFERENCE REGISTRATION

NAME	ORGANIZATION	ADDRESS	CITY/STATE/ZIP	TELEPHONE
Albers, Rodney	City of Fort Collins Stormwater Utility	235 Mathews	Ft. Collins, CO 80524	(970) 224-6024
Anderson, Brad	Lidstone & Anderson, Inc.	736 Whalers Way, F-200	Ft. Collins, CO 80525	(970) 226-0120
Andrews, Andy	WRC Engineering, INC.	950 S. Cherry Street #404	Denver, CO 80222	(303) 757-8513
Bartusek, Michael A.	Associated Design Professionals	118 North Tejon Street, Suite 400	Colorado Springs, CO 80903	(719) 633-4992
Baus, Terry	City and County of Denver	2000 West 3rd Avenue	Denver, CO 80223	(303) 446-3400
Bowen, Terry A.	Boyle Engineering Corporation	165 South Union Blvd, Suite 200	Lakewood, CO 80228	(303) 987-3443
Bunting, Dan	Regional Building Department	101 West Costilla Street	Colorado Springs, CO 80903	(719) 578-6230
Collyer, Rusty	Greenhorne and O'Mara, Inc.	3131 South Vaughn Way Suite 428	Aurora, CO 80014	(303) 755-9000
Deeds, Robert O.	City of Littleton	2255 West Berry Avenue	Littleton, CO 80165	(303) 795-3865
Degenhart, Ronald	City of Aurora	1470 South Havana Street	Aurora, CO 80012	(303) 695-7300
Doefer, John T.	UDFCD	2480 W. 26th Avenue, #156-B	Denver, CO 80211	(303) 455-7880
Dunnells, Dale M.	Bowman Construction Supply INC	2310 S. Syracuse Way	Denver, CO 80231	(303) 696-8960
Edwards, Cindy	Arapahoe County	5334 South Prince Street	Littleton, CO 80166	(303) 795-4640
Farahmand, Saeed	City and County of Denver	2000 West 3rd Avenue	Denver, CO 80223	(303) 446-3400
Frick, David	AYRES Associates	P.O. Box 270460	Ft. Collins, CO 80527	(970) 223-5556
Gingery, Kevin	RBD, Inc.	209 South Meldrum	Ft. Collins, CO 80521	(970) 482-5922

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NAME	ORGANIZATION	ADDRESS	CITY/STATE/ZIP	TELEPHONE
Grimm, Mike	City of Fort Collins Stormwater Utility	235 Mathews	Ft. Collins, CO 80524	(970) 224-6036
Gruntfest, Eve	University of Colorado Department of Geography	P.O. Box 7150	Colorado Springs, CO 80933	(719) 593-3513
Grzesiek, Don	Carder Concrete Product	8311 West Carder Court	Littleton, CO 80125	(303) 791-1600
Guetig, Dave	Greenhorne and O'Mara, Inc.	3131 South Vaughn Way Suite 428	Aurora, CO 80014	(303) 755-9000
Hayes, Susan	City of Fort Collins Stormwater Utility	235 Mathews	Ft. Collins, CO 80524	(970) 221-6589
Hollingsworth, David	City of Longmont	408 3rd Avenue	Longmont, CO 80501	(303) 651-8328
Houdeshell, Craig	RBD, Inc.	209 South Meldrum	Ft. Collins, CO 80521	(970) 482-5922
Hyde, Brian	CWCB	1313 Sherman, Room 721	Denver, CO 80203	(303) 866-3441
Lagasse, Pete	AYRES Associates	P.O. Box 270460	Ft. Collins, CO 80527	(970) 223-5556
Lang, Larry	CWCB	1313 Sherman St.	Denver, CO 80203	(303) 866-3441
Leautuad, Bert	City of Greeley	1000 10th St.	Greeley, CO 80631	(970) 350-9788
Love, Nancy B.	Love and Associates	2995 Centergreen Court South, Suite C	Boulder, CO 80301-5421	(303) 440-3439
Lytle, Chris	Colorado Springs Stormwater & Subd.	101 W. Costilla Street	Colorado Springs, CO 80903	(719) 578-6212
Maroney, Dennis A.	City of Pueblo	211 East "D" Street	Pueblo, CO 81003	(719) 543-2860

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NAME	ORGANIZATION	ADDRESS	CITY/STATE/ZIP	TELEPHONE
Muniz, Richard L.	San Luis Office of Emergency Preparedness	P.O. Box 300	Alamosa, CO 81101	(719) 587-6099
Nelson, Tom	City and County of Denver	2000 West 3rd Avenue	Denver, CO 80223	(303) 446-3400
Paulson, Chip	Montgomery Watson	10065 East Harvard Avenue Suite 201	Denver, CO 80231	(303) 695-4030
Pflaum, John M.	McLaughlin Water Engineers, Ltd.	2420 Alcott Street	Denver, CO 80211	(303) 458-5550
Robenstein, Brad	Douglas County Government	3030 North Industrial Way P.O. Box 1390	Castle Rock, CO 80104	(303) 660-7482
Rogers, Terry	City of Boulder	1739 Broadway	Boulder, CO 80306	(303) 441-3266
Schlueter, Glen D.	City of Fort Collins Stormwater Utility	235 Mathews	Ft. Collins, CO 80524	(970) 224-6065
Scott, Donna	City of Boulder	4049 North 75th Street	Boulder, CO 80301	(303) 441-3251
Sieber, Philipp	CDOT (Water Quality Engineer)	4201 E. Arkansas, Room 404	Denver, CO 80222	(303) 757-9343
Smith, Bob	City of Fort Collins Stormwater Utility	235 Mathews	Ft. Collins, CO 80524	(970) 224-6021
Stewart, Doug	Boyle Engineering Corporation	165 South Union Blvd, Suite 200	Lakewood, CO 80228	(303) 987-3443
Stieb, John	Hydro Conduit	8600 North Welby Road	Denver, CO 80229	(303) 288-6677
Thaemert, David	RBD, Inc.	209 South Meldrum	Ft. Collins, CO 80521	(970) 482-5922
Thorson, Bruce	Colorado Springs Stormwater & Subd.	101 W. Costilla Street	Colorado Springs, CO 80903	(719) 578-6212

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Thrush, Cindy	Arapahoe County	5334 South Prince Street	Littleton, CO 80166	(303) 795-4640
Waggy, Hank	Parsons Engineering Service	1700 Broadway, Suite 900	Denver, CO 80290	(303) 831-8100
Weber, Douglas C.	Centennial Engineering	P.O. Drawer 1307	Arvada, CO 80001	(303) 420-0221
Wegener, Kevin	City of Aurora Utilities	1470 South Havana, Suite 400	Aurora, CO 80012	(303) 695-7370
Williams, Doug	Greenhorne and O'Mara, Inc.	3131 South Vaughn Way Suite 428	Aurora, CO 80014	(303) 755-9000
Woodward, Edwin	Larimer County	P.O. Box 1190	Ft. Collins, CO 80522	(970) 498-5700
Wulliman, Jim	CH2M Hill	P.O. Box 22508	Denver, CO 80222	(303) 771-0900