



What's New

1993 Annual Conference

*Colorado Association of Stormwater
and Floodplain Managers*

Fourth Annual Conference
June 30 through July 2, 1993
Breckenridge Hilton Hotel, Breckenridge, Colorado

Wednesday June 30, 1993 - Afternoon Session

- 11:00 - 1:00 **Registration** - Outside Lark/Columbine Room
- 1:00 - 1:15 **Introductions and Overview** - Spruce Room
Nancy B. Love, CASFM Chair, Love and Associates
- 1:15 - 2:15 **What's New in Stormwater and Floodplain Management - Integrating Flood
and Water Quality Concerns**
Keynote Speaker: Diane Cameron, Natural Resources Defense Council
Keynote Address - Spruce Room
- 2:15 - 2:30 **Break** - Spruce Room
- 2:30 - 3:45 **Funding the Implementation of Integrated Solutions**
Moderator: Alan Morrice, El Paso County
Plenary Session - Spruce Room
- o Results of a Survey of Funding Sources - Gary Lewis, HDR
 - o Utility Fees as a Funding Source - Roger Krempel, Consultant
 - o Accommodating Development in the Age of Financial Restraint - Beth Whittier,
El Paso County
- 3:45 - 5:00 **Examples of Implementation of Integrated Solutions**
Moderator: Brian Hyde, CWCB
Plenary Session - Spruce Room
- o Coordinating Agency Perspective - Scott Tucker, Urban Drainage and Flood
Control District
 - o Powers Boulevard Detention Basin Project - Rich Wray, Kiowa Engineering
 - o Boulder Research Park Project - David Love, Love and Associates
- 5:00 - 6:00 **Happy Hour** - Lark/Columbine Room
- 11:00 AM - 6:00 PM **Exhibit Hall Open** - Lark/Columbine Room
- 6:00 PM - ? Dinner On Your Own

Thursday July 1, 1993 - Morning Session

7:30 - 9:00 **Breakfast** - Lark/Columbine Room

9:00 - 9:30 **Association General Membership Meeting**
Nancy B. Love, CASFM Chair, Love and Associates

9:30 - 9:45 **Regional Meetings**

NE - Spruce Room, Doug Williams, Greenhorne and O'Mara,
SE - Bighorn Room, Steve Thacker, Canon City
NW - Centennial Room - Don Nilsson, Town of Breckenridge
SW - Denver Room - Kelly Yeager, Rio Grand County

9:45 - 10:30 **Committee Meetings**

Stormwater Quality Committee - Donna Scott, City of Boulder
Bighorn Room
Flood Committee - Larry Lang, Colorado Water Conservation Board
Centennial Room

10:30 - 10:45 **Break** - Spruce Room

10:45 - 12:00 **Project Presentations** - Spruce Room

Kiowa Creek Flood Protection

Town of Wiggins/Arix

John Holdren, Town Manager
Charles Royle, Mayor

Lakewood-Dry Gulch Park

City of Denver/Greenhorne & O'Mara

Penn Gilderleeve, Principal

Powers Boulevard Detention

City of Colorado Springs/CH2M Hill & Kiowa

*SSA
Manager of Denver office*

USDCM - Volume III

*Gary Haynes, City Engineer
City of Colorado Springs*

UDFCD and Member Governments/CH2M Hill & Kiowa

Ben Urbanas, Chief Master Planning Program

12:00 - 1:30

Lunch

Swan's Restaurant

Chef's Salad

Two Soup Buffet

Thursday July 1, 1993 - Early Afternoon Session

1:30 - 1:45 **Committee Chair Reports** - Spruce Room

1:45 - 2:00 **Project Awards Announcement** - Spruce Room

2:00 - 3:15 **Best Management Practices**

Moderator: Tom Nelson, Denver Wastewater Management Division

Stormwater Quality Session - Bighorn Room

- o USDCM Volume 3 - John Doerfer, Urban Drainage and Flood Control District
- o CDOT Erosion Control Measures - Philip Sieber, Colorado Department of Transportation
- o Sediment Control on Construction Sites - Thomas Barnes, Environmental Consulting and Contracting

Hydrologic Issues

Moderator: Larry Lang, CWCB

Flood Session - Centennial Room

- o Colorado Hydrology Manual - Doug Clementson, Corps of Engineers
- o Evaluation of Colorado Front Range Rain Storms - John Henz, Henz Meteorological Services
- o Flood Elevation Limits in the Rocky Mountains - Bob Jarrett, USGS

Product Information Update

Moderator: Doug Williams, Greenhorne & O'Mara

General Session - Denver Room

- o Infiltration Chambers: An Alternative for Handling Urban Stormwater Runoff - Judd Efinger, Infiltration Systems, Inc.
- o Saving Money through Concrete Pipe Design - Mike Riddle, Mountain States Concrete Pipe Assoc.
- o 3-sided Box Bridge - Jim Baker, AMCOR, Inc.

3:15 - 3:30 **Break** - in each room

Thursday July 1, 1993 - Late Afternoon Session

3:30 - 5:00

Sampling and Monitoring

Moderator: Kevin Gingery, RBD

Stormwater Quality Session - Bighorn Room

- o Setting up a Stormwater Quality Monitoring Program - Kevin McBride, City of Fort Collins
- o Comparison of Stormwater Quality Data Collected in 1992 and 1980-1981 in the Denver Metropolitan Area - John Doerfer, Urban Drainage and Flood Control District
- o In-Stream Bioassessment in Stormwater Quality Management, A Case Study - Donna Scott, City of Boulder

Emergency Preparedness

Moderator: Mark Matulik, CWCB

Flood Session - Centennial Room

- o OEM Mitigation Program - Bob Kistner, Colorado Office of Emergency Management
- o Boulder County Flood Warning Systems - Larry Stern, Boulder County Sheriff's Department
- o Spring 1993 Flood Report - Larry Lang, Colorado Water Conservation Board

GIS Applications

Moderator: Mark Glidden, Boyle Engineering

General Session - Denver Room

- o Introduction to GIS - Jeff Schulz, Boyle Engineering
- o Integration of HEC-1 with Boyle Facility Mapping System - Ken Lewis, Boyle Engineering
- o GIS in Decree Accounting on the Lower Colorado River Basin - Paul Weghorst, Bureau of Reclamation

5:00 - 7:00

Cocktail Hour - Lark/Columbine Room

7:30 AM - 7:00 PM

Exhibit Hall Open - Lark/Columbine Room

7:00 PM - ?

BBQ Dinner - Spruce Room

Prime Rib BBQ Buffet

Friday July 2, 1993 - Early Morning Session

7:30 - 9:00 **Breakfast** - Lark/Columbine Room

9:00 - 10:15 **NPDES Stormwater Permit Program**
Moderator: Donna Scott, City of Boulder
Stormwater Quality Session - Bighorn Room

- o State Perspective - Sarah Plocher, Colorado Department of Health
- o What is Maximum Extent Practicable? - Bob Pruitt, CH2M-Hill
- o City Perspective - Gary Haynes/Christine Lytle, City of Colorado Springs

Community Rating System

Moderator: Bob Smith, Ft. Collins Stormwater Utility
Flood Session - Centennial Room

- o The CRS Today and Tomorrow: A Perspective - Mark Matulik, Colorado Water Conservation Board
- o Boulder County Experience - Joe Huey, Carroll and Lange
- o What is the Value of CRS? - Dan Bunting, El Paso County

Project Permitting

Moderator: Nancy Love, Love and Associates
General Session - Bighorn Room

- o 404 Permits - Terry McKee, Corps of Engineers
- o Industrial General 402 Groundwater Discharge Permits - Don Holmes, Colorado Department of Health
- o Section 404 Enforcement and the Protection of Waters of the United States - John M. Brink, Environmental Protection Agency

10:15 - 10:30 **Break** - Spruce Room

Friday July 2, 1993 - Late Morning Session

10:30 - 11:30

Challenges Facing Implementation of Integrated Solutions

Moderator: Bill DeGroot, UDFCD

Plenary Session - Spruce Room

Flo Raitano, Water Quality Control Commission and City of Dillon

11:30 - 12:00

Conference Closure - Spruce Room

Nancy B. Love, CASFM Chair, Love and Associates

7:30 - 12:00

Exhibit Hall Open - Lark/Columbine Room

12:00 - ?

Golf Tournament - Barbecue and Awards Presentation Following Tournament

Box Lunches Provided by CASFM

1993 CASFM ANNUAL CONFERENCE REGISTRATION

REGISTRANTS AS OF JUNE 22, 1993

Name	Organization	Address	City/State/Zip	Telephone/Fax
Albers, Rodney R.	City of Fort Collins-Stormwater Utility	235 Mathews	Fort Collins, Colorado 80522	(303) 221-6589/221-6239
Althoff, John	Eagle County Engineering	P. O. Box 850	Eagle, Colorado 81631	(303) 328-8760/328-7207
Baker, Jim	Amcpr Precast	5880 Sheridan Boulevard	Arvada, Colorado 80003	(303) 428-5021/428-0413
Ballenski, Gerald V.	City of Aurora: Col/Storm Drain Div	13645 East Ellsworth Avenue	Aurora, Colorado 80012	(303) 695-7519/361-2957
Barnes, Tom E.	Environmental Consulting & Contracting, Inc.	P. O. Box 2014	Laramie, Wyoming 82070	(307) 742-8080/same
Bartusek, Michael A.	Graef, Anhalt, Schloemer & Associates, Inc.	102 East Pikes Peak, Suite 305	Colorado Springs, Colorado 80903	(719) 634-6902/634-0660
Behrer, Bruce A.	Muller Engineering Company, Inc.	550 South Wadsworth Blvd., Suite 500	Lakewood, Colorado 80226-3118	(303) 937-3500/937-3838
Beilman, Joe	Mesa County Bd. of County Commissioners	P. O. Box 2000-5014	Grand Junction, Colorado 815-5014	unknown
Cameron, Diane	Natural Defense Council	Washington, D.C.	Washington, D.C.	unknown
Carlson, Don C.	City of Loveland	200 North Wilson	Loveland, Colorado 80537	(303)962-3712/962-3400
CH2MHILL	CH2MHILL	P. O. Box 22508	Denver, Colorado 80222	(303) 771-0900/290-6566
Couch, Jeff W.	City of Loveland	200 North Wilson	Loveland, Colorado 80537	(303)962-3715/962-3400
Crabtree, James D.	City of Aurora: Col/Storm Drain Div	13645 East Ellsworth Avenue	Aurora, Colorado 80012	(303) 695-7519/361-2957
Deeds, Robert O.	City of Littleton	2255 West Berry Avenue	Littleton, Colorado 80165	(303) 795-3865/795-3819
DeGroot, Bill	UD&FCD	2480 West 26th Avenue, Suite 156-B	Denver, Colorado 80211	(303)455-6277/455-7880
Doerfer, John T.	UD&FCD	2480 West 26th Avenue, Suite 156-B	Denver, Colorado 80211	(303)455-6277/455-7880
Efinger, Judd	Bowman Const. Supply Inc./Infiltrator Systems	2310 So. Syracuse Way	Denver, Colorado 80231	(303) 696-8960
Fairley, Tom C.	Kiowa Engineering Corporation	1776 South Jackson Street, #1001	Denver, Colorado 80210	(303) 692-0369/758-1639
Gildersleeve, Penn	Greenhorne & O'Mara, Inc.	3131 South Vaughn Way, Suite 428	Aurora, Colorado 80014	(303) 755-9000/745-9535
Gingery, Kevin W.	RBD Inc. Engineering Consultants	209 South Meldrum	Fort Collins, Colorado 80521	(303) 482-5922/482-6368
Giordano, Bill	Fremont County	615 Macon, Room B-5	Canon City, Colorado 81212	(719) 275-7510/275-7626
Giroux, Daniel P.	Tuttle Applegate	11990 Grant Street, Suite 410	Northglenn, Colorado 80233	(303) 452-6611/452-2759
Glidden, Mark W.	Boyle Engineering Corporation	165 South Union Boulevard, Suite 200	Lakewood, Colorado 80228	(303) 987-3443/987-3908
Grady, Mark E.	Bowman Const. Supply/ Infiltragor Systems, Inc	2310 So. Syracuse Way	Denver, Colorado 80231	(303) 696-8960
Grant, Paul H.	Town of Frisco	P. O. Box 4100	Frisco, Colorado 80443	(303) 668-5276/668-0677
Harkins, Katherine A.	FEMA Region X	35 County Road # 10	Leadville, Colorado 80461	(719) 486-2128
Haynes, Gary R.	City of Colorado Springs, Engineering Division	P. O. Box 1575	Colorado Springs, Colorado 80906	(719) 578-6606/578-6255
Heintz, Jim L.	Advanced Drainage Systems	P.O. Box 2103	Fl. Collins, Colorado 80522	1-800-733-7235
Hemenway, Nancy	County of Clear Creek	P. O. Box 2000	Georgetown, Colorado 80444	(303) 569-3251/??
Holdren, John	Town of Wiggins	P. O. Box 287	Wiggins, Colorado 80654-0287	(303) 483-6161/n/a
Hollingsworth, David E.	City of Longmont - Public Works Division	408 - 3rd Avenue	Longmont, Colorado 80501	(303) 651-8304/651-8590
Jaramillo, Frank	U. S. Army Corps of Engineers	P. O. Box 1580	Albuquerque, New Mexico 87103	(505) 766-2635/766-2770
Jarrett, Robert D.	U.S. Geological Survey	Box 25046 MS 418	Denver, Colorado 80225	(303) 236-6447/236-5034
Kenny, Jerry F.	Boyle Engineering Corporation	165 South Union Boulevard, Suite 200	Lakewood, Colorado 80228	(303) 987-3443/987-3908
Koller, Lyle J.	Insurance Services Corporation	1355 South Colorado Boulevard, Suite 30	Denver, Colorado 80222	(303) 759-3511/759-0746
Lambert, Ronald L.	Douglas County	P. O. Box 1390/3030 N. Industrial Way	Castle Rock, Colorado 80104	(303) 660-7480/688-9343
Lang, Larry F.	Colorado Water Conservation Board	1313 Sherman Street, Room 721	Denver, Colorado 80203	(303) 866-3441/866-4474
Leautaud, Bert F.	City of Greeley	1000 - 10th Street	Greeley, Colorado 80631	(303) 350-9788/350-9736
Lewis, Gary L.	HDR Engineering, Inc.	303 East 17th Avenue, Suite 300	Denver, Colorado 80203	(303) 861-1300/860-7139
Lloyd, David W.	UD&FCD	2480 West 26th Avenue, Suite 156-B	Denver, Colorado 80211	(303)455-6277/455-7880
Love, Brian R.	Arapahoe County - Engineering Department	5334 South Prince Street	Littleton, Colorado 80166	(303) 795-4640/794-3201
Love, Nancy B.	Love & Associates	2995 Centergreen Ct. South Suite C	Boulder, Colorado 80301	(303) 440-3439/440-3835
Lytle, Christine M.	City of Colorado Springs, Engineering Division	P. O. Box 1575	Colorado Springs, Colorado 80906	(719) 578-6560/578-6161
Magers, Joe	City & County of Denver, Wastewater Mgmt.	2460 West 26th Avenue, Suite 300-C	Denver, Colorado 80211	(303) 964-0591/964-0564
Maroney, Dennis A.	City of Pueblo	211 East "D" Street	Pueblo, Colorado 81003	(719) 543-2860/542-6244
Matulik, Mark D.	Colorado Water Conservation Board	1313 Sherman, Room 721	Denver, Colorado 80203	(303) 866-3441/866-4474
McBride, Kevin	City of Fort Collins	235 Mathews Street	Fort Collins, Colorado 80524	(303) 221-6589/221-6239
Morrice, Alan B.	El Paso County Dept. of Public Works	3105 North Stone Avenue	Colorado Springs, Colorado 80907	(719) 520-6845/520-6878
Murphy, Gregory V.	Nolte and Associates	8955 South Ridgeline Boulevard	Highlands Ranch, Colorado 80126	(303) 791-0666/798-3173

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Name	Organization	Address	City/State/Zip	Telephone/Fax
Nelson, Tom	City & County of Denver, Wastewater Mgmt.	2460 West 26th Avenue, Suite 300-C	Denver, Colorado 80211	(303) 964-0575/964-0564
Nilsson, Don M.	Town of Breckenridge	P.O. Box 168	Breckenridge, CO 80424	(303) 453-2251
Oxley, Donnette	Clear Creek County	P. O. Box 2000	Georgetown, Colorado 80444	(303) 534-5777/same
Pflaum, John M.	McLaughlin Water Engineers, Ltd.	2420 Alcott Street	Denver, Colorado 80211	(303) 458-5550/480-9766
Pruitt, Edwin "Bob" A.	CH2MHILL	P. O. Box 22508	Denver, Colorado 80222	(303) 771-0900/290-6566
Riddle, Michael H.	Mountain States Concrete Pipe Association	1142 W. Shields Lane	South Jordan, Utah 84065	(801) 254-0118
Schlueter, Glen D.	City of Fort Collins - Stormwater Utility	235 Mathews	Fort Collins, Colorado 80522	(303) 221-6589/221-6239
Schulz, Jeff L.	Boyle Engineering Corporation	165 South Union Boulevard, Suite 200	Lakewood, Colorado 80228	(303) 987-3443/987-3908
Schulz, Robert C.	Arapahoe County - Highways/Engineering	5334 South Prince Street	Littleton, Colorado 80166	(303) 795-4640/794-3201
Scott, Donna	City of Boulder - Water Quality Services	4049 North 75th Street	Boulder, Colorado 80301	(303) 441-3251/441-3259
Sorensen, Jon H.	CH2MHILL	P. O. Box 22508	Denver, Colorado 80222	(303) 771-0900/290-6566
Sorrel, Alan	City & County of Denver, Wastewater Mgmt.	2460 West 26th Avenue, Suite 300-C	Denver, Colorado 80211	(303) 964-0573/964-0564
Steib, John E.	Hydro Conduit Corporation	8600 North Welby Road	Denver, Colorado 80229	(303) 288-6677/288-4238
Szabelak, Stan A.	City of Federal Heights	2380 West 90th Avenue	Federal Heights, Colorado 80221	(303) 428-3526/4289348
Thacker, Steve H.	City of Canon City	P. O. Box 1460	Canon City, Colorado 81215-1460	(719) 269-9011/269-9017
Thorson, Bruce A.	City of Colorado Springs, Engineering Division	P. O. Box 1575	Colorado Springs, Colorado 80906	(719) 578-6606/578-6161
Williams, Douglas J.	Greenhorne & O'Mara, Inc.	3131 South Vaughn Way, Suite 428	Aurora, Colorado 80014	(303) 755-9000/745-9535
Williams, Gerald R.	City of Grand Junction	250 North 5th Street	Grand Junction, Colorado 81501	(303) 244-1591/244-1599
Woods, Ann K.	CH2MHILL	P. O. Box 22508	Denver, Colorado 80222	(303) 771-0900/290-6566
Woodward, Jr., Edwin H.	Larimer County - Engineering Department	P. O. Box 1190	Fort Collins, Colorado 80522	(303) 498-5700/498-7986
Wulliman, James T.	CH2MHILL	P. O. Box 22508	Denver, Colorado 80222	(303) 771-0900/290-6566
Zabbia, Jr., A.J.	Leonard Rice Consulting Water Engineers	2401 Fifteenth Street, Suite 300	Denver, Colorado 80202-1143	(303) 455-9589/455-0115