INSPIRATION:
Come to the Headwaters

Association of State Floodplain Managers, Inc.
15th Annual Conference
June 10-14, 1991

Denver, Colorado
Final Program

Saturday, June 8

3:00 p.m. to 8:00 p.m.  ASFPM Board of Directors Meeting  Pavillion

Sunday, June 9

9:00 a.m. to 12:00 noon  ASFPM Committee Chair Meeting Pavillion
1:00 p.m. to 8:00 p.m.  Second Annual ASFPM Open Golf Match
3:00 p.m. to 8:00 p.m.  Registration Grand Foyer
5:30 p.m. to 7:30 p.m.  Ice Breaker Social Imperial Foyer

Monday, June 10

7:30 a.m. to 5:00 p.m.  Registration Grand Foyer
8:30 a.m. to 10:00 a.m.  ASFPM Committee Meetings
  • Floodproofing/Retrofitting, Wallace A. Wilson Royal
  • Arid Regions, Terri Miller Florentine
  • Mapping and Engineering, Jim Morris Parisienne
10:00 a.m. to 10:30 a.m.  Break
10:30 a.m. to 12:00 noon  ASFPM Committee Meetings
  • Research, Fred May Royal
  • Flood Mitigation, Clancy Phillipsborn Vista
  • Flood Insurance, W. Louis Sidell, Jr. Florentine
  • Mapping and Engineering, continued Parisienne
12:00 noon to 1:30 p.m.  Lunch on your own
12:00 noon to 5:00 p.m.  Exhibits Setup Grand
1:30 p.m. to 3:00 p.m.  ASFPM Committee Meetings
  • Floodplain Regulations, Tim Keptner Royal
  • Coastal Issues, Mark Mauriello Vista
  • Stormwater Management, Molly O'Toole Florentine
  • Cooperative Flood Mapping Task Force, Jim Morris Parisienne
3:00 p.m. to 3:30 p.m.  Break
3:30 p.m. to 5:00 p.m.  ASFPM General Membership Meeting Imperial
  Presentations by Nominated Officers and Regional Directors
  Proposals for the 1993 Conference
5:00 p.m. to 7:00 p.m.  Exhibits Social Grand
7:00 p.m. to 9:00 p.m.  ASFPM Food Festival Moulin Rouge
Tuesday, June 11

7:00 a.m. to 8:00 a.m. CASFM Breakfast ................................. Florentine
7:00 a.m. to 8:00 a.m. Speakers and Moderators Breakfast ........ Parisienne
7:00 a.m. to 8:00 a.m. Chapter Breakfast ............................... Gold
7:30 a.m. to 5:00 p.m. Registration ..................................... Grand Foyer
8:15 a.m. to 10:00 a.m. Plenary Session A .............................. Imperial

- Introductory Remarks
  Larry Larson, ASFPM Executive Director
  Bill Stanton, Conference Director
  Eve Gruntfest, Program Chair
  Dan Bunting, CASFM Chair
  Bob Cox, ASFPM Chair

- Mission Impossible?: Working Together in Floodplains and River Corridors,
  Christopher N. Brown, Chief of Technical Assistance Branch, National Park Service

10:00 a.m. to 10:30 a.m. Break in the Exhibit Area ...................... Grand

10:30 a.m. to 12:00 noon Concurrent Sessions A

Flood Hazard Mitigation I - State Perspectives, Mary Fran Myers, Moderator ............ Far East
- Reduced Flood Losses in Oregon and Oregon’s Statewide Planning Program, George M. Currin
- An Assessment Methodology and Overcoming Barriers and Constraints in Floodplain Management: The Tennessee Example, George E. Bowen
- One State’s Experience with Hazard Mitigation, Tim D’Acri
- The Management of Natural and Beneficial Floodplain Values: The Commonwealth of Virginia’s Floodplain Strategy, Douglas J. Plasencia

National Flood Insurance Program (NFIP) I - Coastal Issues, Anna Zacher, Moderator .......... Florentine
- The Coastal Zone and the National Flood Insurance Program: Background and New Initiatives, Rebecca Quinn Hughes
- Impact of Potential Sea Level Rise on the National Flood Insurance Program, Michael Buckley
- Should Beach Nourishment Projects Be Considered as Soft Shore Protection Structures?, Perry E. Rhodes
- Guidelines and Specifications for Erosion Rate Mapping and Analysis Studies (OSERMAS), Mark Crowell and Michael Buckley

Hydrologic & Hydraulic Models I - Hydrology, Joe Tram, Moderator ........................ RoyaI
- Modeling Floods in Urban Areas, G. Braschi, M. Gallati, and L. Natale
- A Comparison of Lag Estimation Methods for Flood Hydrographs, Terry A. Bowen and Mark W. Glidden
- Extrapolation of Regional Flood-Frequency Relations Based on Flow Variability, Kenneth L. Wahl

Local Flood Warning I, Kevin Stewart, Moderator .......................... Vista
- Using Appropriate Flood Warning Technology for Communities at Risk, Mark E. Nelson
- Flood Warning Services Market Survey Study, Maricopa County, Arizona,
  Laurie T. Miller, Fred K. Duren, Joe M. Rammun, and Davar Khalili
- Establishing a Dambreak Monitoring and Warning System, Curtis B. Barrett
- Community Alert Network: Dam Safety and Flood Warning, Steve Sneed

Stormwater I - Innovative Techniques, Don Von Wolffradt, Moderator ..................... Parisienne
- Innovative Stormwater Management Plan Techniques in Northeastern Illinois, Gerald J. Kauffman and Anwar Ahmed
- Stormwater Management in Southern California, Joseph C. Hill, Anna C. Noah, and William F. Spalding
- Navigating Political Waters - Successful Implementation of Urban Stormwater Management Programs, Sharon L. Oakes
- Successful Municipal Stormwater Management: Key Elements, Andrew J. Reese
Tuesday, June 11, continued

10:30 a.m. to 12:00 noon Concurrent Sessions A, continued

**Arid Region Issues I, Peggy Bowker, Moderator** ........................................ Pavillion
- Optimization Modeling for Flood Control on Distributary Flow Areas in the Southwest, James R. Morris
- FEMA Method for Predicting Flood Hydraulic Boundaries on Alluvial Fans Requires Verification, James S. O'Brien and William T. Fullerton
- Continuing Research on Two-Dimensional Modeling of Flood Hazards on Alluvial Fans, James S. O'Brien and William T. Fullerton

12:00 noon to 1:30 p.m. Luncheon .............................................. Imperial

- The National Flood Insurance, Mitigation, and Erosion Management Act of 1991 (H.R. 1236), Bill Phillips, Staff Director of Policy Research and Insurance, Subcommittee of the House Committee on Banking

1:30 p.m. to 3:00 p.m. Concurrent Sessions B

**Flood Hazard Mitigation II - Are We Speaking the Same Language?, George Hosek, Moderator** ................................ Far East
- Speaking Plain English, James H. Owen
- If There's Water in My Living Room, I Must Be in a Floodplain, Ronald L. Rossmiller
- Louisiana Community Officials' Perceptions of Flood Mitigation: Cross Community and Cross Position Comparisons, Shirley Laska and Elizabeth Triche
- Visualization Techniques for Flooding Models, G. Bracci, S. Bracci, and L. Natale

**National Flood Insurance Program II, Victor Rothacker, Moderator** .................. Florentine
- Certification Requirements for Simple Floodway Encroachments, Robert C. Henchberger and Karl F. Mohr
- Acquiring Data From the FIA Archives - A Step by Step Approach, Richard A. Wild
- How to Get Flood Insurance Study Data and What To Do When It's Vanished, Maggie Mathis and Lisa Bourget

**Hydrologic & Hydraulic Models II - Two Dimensional Modeling, Bill Trakimas, Moderator** ........... Royal
- The Need of Two-Dimensional Flow Model for Urban Floodplain Delineation, John Liou
- 2-D Hydrodynamic Model of the Colusa Flood Overflow Weir on the Sacramento River, California, Lyle W. Zevenbergen and Mark Peterson
- Two Dimensional Modeling for Flood Hazard Delineation, George V. Sabol and Kenney Stevens
- Two Dimensional Riverine Modeling in an NFIP Community: Experiences and Lessons Learned, Lawrence P. Baich

**Local Flood Warning II, Robert Wold, Moderator** ......................................... Vista
- Managing Flood Warning Systems: The United Kingdom Experience, Dennis J. Parker
- Can We Have Too Much Warning Time? - A Study of Rockhampton, Australia, John Handmer
- Alternative Uses for Flood Warning Systems, Dan Bunting
- Local Flood Warning Systems in New Jersey, Robert D. Schopp and Rebecca J. Burns

**Stormwater II - Getting to Know the New Rules, Sharon Oakes, Moderator** ............... Parisienne
- A Countywide Stormwater and Floodplain Ordinance, Jonathan P. Steffen and Joseph E. Stuber
- NPDES Permitting - Is There Something Missing?, William P. Ruzza
- Stormwater Quality Monitoring as a Planning Tool, Cynthia Paulson and Dotti Nazarenus
- Model Regulations for Stormwater Management, James E. Scholl

**Arid Region Issues II, Mary Keate, Moderator** ............................................. Pavillion
- Correlation Between Flow, Slope, Roughness Coefficient and Regime Width for Upper Incised Channels on Alluvial Apron of Summerlin Area, Las Vegas, Nevada, Donald W. Davis
- Fluvial Geomorphology Principles Applied to a Stream Regulating Program, Joseph Borgione and Chad Gourley
Tuesday, June 11, continued

3:00 p.m. to 3:30 p.m. Break in the Exhibit Area ......................... Grand

3:30 p.m. to 4:10 p.m. Plenary Session B, Part 1, Larry Larson, Moderator ........ Imperial

- Innovations in the National Flood Insurance Program - The Next Six Years, C. M. "Bud" Schauerte, Administrator, Federal Insurance Administration
- New Corps of Engineers Cost Sharing Arrangements, Jerry Peterson

4:10 p.m. to 5:30 p.m. Plenary Session B, Part 2, Chris Adams, Moderator ........ Imperial

- Conflicts within the Multi-Objective Planning Paradise: Enviro, Engineers, and Individuals, Carl Cook, Stan Smith, and Martin Becker

5:30 p.m. to 7:00 p.m. Exhibits Social ................................................ Grand

7:00 p.m. to whenever Dinner on Your Own

Wednesday, June 12

7:00 a.m. to 8:00 a.m. Concurrent Roundtable Breakfasts

- Breakfast 1 - Stormwater Management, Doug Plasencia, Moderator ......................... Florentine
- Breakfast 2 - Flood Warning Systems, Jim Owen, Moderator .................................. Vista
- Breakfast 3 - Multi-Objective River Corridors, Hugh Duffy, Moderator .................. Parisienne
- Breakfast 4 - Public Awareness, Dan Bunting, Moderator ....................................... Gold
- Breakfast 5 - Arid Region Issues, Terri Miller, Moderator .................................... Pavilion
- Breakfast 6 - Community Rating System, Bill Trakimas, Moderator .................... Royal

7:30 a.m. to 5:00 p.m. Registration .................................................. Grand Foyer

8:15 a.m. to 10:00 a.m. Plenary Session C, Karen Kabbes, Moderator ................... Imperial

- Perspectives on the Status Report on the Nation's Floodplain Management Activity, Gilbert White and Frank Thomas
- Identifying the Appropriate Roles for the Federal Government in Local Planning, J. Glenn Eugster and Jeanne Melanson
- EPA and the National Environmental Policy Act: Facilitators of Creative Floodplain and Natural Resources Management in the 90's, Shannon E. Cunniff and Richard E. Sanderson
- Mitigation in the FEMA Disaster Assistance Program, Larry Zensinger

10:00 a.m. to 10:30 a.m. Break in the Exhibit Area ................................... Grand
**Final Program**

**Wednesday, June 12, continued**

10:30 a.m. to 12:00 noon  Concurrent Sessions C

**Flood Hazard Mitigation III, Roy Sedwick, Moderator**
- Basalt Area River Stabilization Plan, Tom Newland, Sid Fox, Mark Chain, and Alan Cenkursch
- Update 1991: Emergency Management Institute Natural Hazards Mitigation Training Courses, Dan Bondroff

**National Flood Insurance Program III - Flood Risk Directory, Virginia Motoyama, Moderator**
- Flood Risk Directory Production, Myles E. Powers
- Flood Risk Directory Applications, Douglas Gore
- Recent Innovations in the National Flood Insurance Program, Steve Daroff

**Hydrologic & Hydraulic Models III - Hydraulics, Ann Woods, Moderator**
- Geomorphic Response of Lower Feather River, California, to 19th Century Hydraulic Mining Operations, Karin J. Fischer and M.D. Harvey
- Geomorphic and Sediment Transport Analyses for the Napa River Flood Control Project, C.G. Wolff and M.R. Peterson
- Combined Geomorphic, Hydraulic and Sediment Transport Analyses: Application to a Sedimentation Problem, L.W. Zevenbergen, Karin J. Fischer, and M.D. Harvey
- More on "Backwater" Water Surface Profiles, G.R. Alger and H.S. Santeford

**Flood Hazard Mapping, David Greenwood, Moderator**
- NFIP Map Revision Process Made Simple, Mary Anne Lyle, Vincent DiCamille, and Mary Jean Pajak
- Floodplain Mapping in Northern Italy, L. Natale, F. Savi, P.G. Manciola, and P. Bondadi

**Floodplain Management on Colorado's Front Range, Robbin Sotir, Moderator**
- Comprehensive Floodplain Management - The Denver Area Experience, Bill Degroot
- South Platte River Improvements: Floodplain Management Achieves Multiple Objectives, Steven R. Williams, Ben Urbanos, and F. Jay Nelson
- South Platte River Central Platte Valley Improvements, Brian Kolstad, John M. Pfau, Richard E. McLauughlin
- Compatibility of Floodplain Management With Point and Non-Point Source Pollution Control, David J. Love, John T. Wendell, and Lawrence F. Rusk

**Arid Region Issues III, Dave Smutzer, Moderator**
- Floodproofing Development on Alluvial Fans, Vassilios Tsihrinis, Blake Murillo, Michael Mulvihill, William Trout, Alfonso Roberts, Thomas Baine, and Normando Tiamzon
- Consider Storage Effects in Alluvial Flooding, Edward R. Milts
- Estimating Sediment Delivery and Yield on Alluvial Fans, Robert C. MacArthur and Michael D. Harvey
- Mitigating Extreme Sedimentation Hazards, Douglas L. Hamilton

**Innovative Software Applications, Clancy Philipsborn, Moderator**
- Alternative Futures Assessment: Consensus, Andrew Morgen, Thomas S. Bonnicksen, and Jim LeGrotle
- Developing a State Floodplain Management Plan - Content and Process, James M. Wright
- Using MacPROJECTII to Create the Floodplain Management Plan, Albert H. Halff and Henry M. Halff
- Practical Applications of the HEC Flood Damage Analysis (FDA) Package, Troy Lynn Lovell, Walter E. Skipwith, and Michael A. Maya

12:00 noon to 1:30 p.m.  ASFPM Awards Luncheon

ASFPM Flood Hazard Fellowship Fund Award
Tom Lee State Award for Excellence
Local Award for Excellence
Wednesday, June 12, continued

1:30 p.m. to 3:00 p.m.  Concurrent Sessions D

**Flood Hazard Mitigation IV, Curt Chandler, Moderator** .................................................. Far East
- Mingo Creek Greenway Corridor - A Multi-Objective, Multi-Disciplinary Collaborative Design Process, Ronald D. Flanagan
- Multi-Level Government Cooperation on a Small Scale Floodway Acquisition Project, Jeff Klein and Tom Fischer
- Mullet and Bishop Creek Drainage Basin Improvements, Robert E. Johnson and Daniel Shabbi
- Applying Floodplain Regulations to the Real World, Cynthia Bauman and G. Nicholas Toster

**Case Studies in Multi-Objective River Corridor Planning, French Wetmore, Moderator** .......... Florentine
- Bringing Nature Back to the Grand River in Ontario, Canada, Tony Smith
- Missouri River Corridor Project, Omaha, Nebraska, John Sow
- Bear River Project, Evanston, Wyoming, Hugh Duffy
- Santa Rosa Creek Project, Santa Rosa, California, Linda Stonier

**King County - Comprehensive Flood Hazard Mitigation, Dave Clark, Moderator** ................. Gold
- Flood Hazard Regulations of the King County Sensitive Areas Ordinance, Thomas C. Bean
- Soil Bioengineering Techniques to Stabilize Eroding Streambanks, Robin Soir
- Reducing the Impacts of Rapidly Migrating Rivers in King County, Washington, Debora Hendrickson
- Channel Migration Along the Tol and Raging Rivers in King County, Washington, Sue Perkins
- Managing the Future Conditions Floodplain in King County, Washington, Stephen B. Anderson and Bill Satori

**Geographic Information System Applications I, Alan Wald, Moderator** .............................. Royal
- Potential GIS Applications for Flood Control Facility Management, Minna Li and Peter L. Crawnell
- Development of Digital Flood Hazard Data Standards, Patty McDermott
- Automated Digital Line Graph Data Capture Procedures, John M. Taylor
- Multi-Objective River Corridor Planning Using Geographic Information System Methods: A Case Study of the Cache La Poudre River Corridor in Weld County, Colorado, Duane Holmes

**New Techniques in Ice Jam Control, Jack Riessen, Moderator** ......................................... Vista
- Recent Ice Jam Events, Jon E. Zufelt and Kathleen D. Axelsson
- Ice Jam Flood Frequency Analysis Techniques, Jon E. Zufelt
- Operation of the Israeli River Ice Control Structure, Kathleen D. Axelsson

**Big Thompson Flood Fifteen Years Later, Joe Borgione, Moderator** .................................... Pavilion
- Summertime Precipitation in the Higher Elevations of Colorado, Lawrence E. Tunnell
- Hydrology of the Big Thompson Flood, Kenneth R. Wright and F. Robert McGregor
- Big Thompson Flash Flood: A Lesson Learned or a Lesson Lost?, John Henz

**Community Rating System: Perspectives on the First Year, Lou Sidell, Moderator** .............. Parisienne
- Federal Insurance Administration Perspective, Ross McKay
- Insurance Services Organization Perspective, Bill Trakimas
- State Perspective, A. Jean Brown
- Local Perspective, Barbara Schafner and Dieter Morgen

3:00 p.m. to 3:30 p.m.  Break in the Exhibit Area ................................................................. Grand

3:30 p.m. to 5:00 p.m.  Exhibits Breakdown
Wednesday, June 12, continued

3:30 p.m. to 5:00 p.m. Plenary Session D, Leslie A. Bond, Moderator

- The Shadyside, Ohio, Flash Floods - June 14, 1990, William L. Read
- Lessons from the Typhoon in Taiwan, Spencer Havlick
- International Floodplain Management: A Report on the International Conference on Water Resources in Mountainous Regions, Lausanne, Switzerland, William M. Brown, III

5:00 p.m. to whenever Dinner on Your Own

7:00 p.m. to 10:00 p.m. Evening Workshop

- Geographic Information System Applications II, New Tools and Technologies, Florentine
  Alan Wald, Moderator
  - CD-ROM and CD Technology, Jill Lerman and June Brannon
  - Global Positioning System, Darrel Peterson
  - Climate Models, Lauren Hoy
  - Scanner Technology, Rebecca Culp
  - Topographical Modeling in 2-D and 3-D, John Thorpe

Thursday, June 13

7:00 a.m. to 8:00 a.m. Concurrent Roundtable Breakfasts

- Breakfast 1 - Research, Fred May, Moderator
- Breakfast 2 - Floodproofing, Wally Wilson, Moderator
- Breakfast 3 - Geographic Information Systems, Alan Wald, Moderator
- Breakfast 4 - Wetlands, Tim D'Acci, Moderator
- Breakfast 5 - Coastal Issues, Mark Mauriello, Moderator
- Breakfast 6 - Agricultural Exemptions, Jeff Klein, Moderator

7:30 a.m. to 10:00 a.m. Registration

8:15 a.m. to 9:30 a.m. Plenary Session E, Doug Plasencia, Moderator

- Implementing the Stormwater Regulations, L. Scott Tucker
- Future Directions: Congressional and State Legislative Agendas, Jon Kusler

9:30 a.m. to 10:00 a.m. Break
Thursday, June 13, continued

10:00 a.m. to 11:50 a.m. Concurrent Workshops

* Workshop 1 - The Community Rating System - How to Prepare ................. Far East
  a Comprehensive Floodplain Management Plan, French Wetmore
* Workshop 2 - Riverworks - Techniques for Multi-Objective River ........... Florentine
  Planning, Martha Crusius
  Matthew Miller, and Elmer Knoterer
* Workshop 4 - The 'How-Tos' of NFIP Map Revisions, ......................... Parisienne
  David Greenwood, John Liou, Alan Johnson, and Michele Monde
* Workshop 5 - Implementing a National Flood Mitigation Grant Program under ........ Vista
  Pending Legislation (H.R. 1236), Michael Robinson, John Gamble,
  and Todd A. Davison

12:00 noon to 12:30 p.m. Concurrent Technical Field Trip Briefings

- Trip 1 - Design, Construction, and Monitoring of a Wetland Stormwater .......... Far East
  Treatment Facility: Case Study in Boulder, Colorado, Lauranne P. Rink,
  John T. Windell, and David J. Love
- Trips 2 or 3 - Flood Hazard Mitigation in Englewood, Colorado - The Little Dry .......... Pavilion
  Creek Success Story, John M. Pflaun
- Trip 3 - From Liability to Resource: The City of Aurora's Changing Approach .......... Florentine
  to the Design of Drainageways, William E. Wenk
- Trip 3 - Incorporating Stormwater Quality Enhancement Features into .......... Royal
  Urban Flood Control Projects, James T. Walliman

12:30 p.m. to 5:30 p.m. Concurrent Technical Field Trips with Box Lunch

* Trip 1 - Boulder Creek Recreational Corridor, Nancy Love
* Trip 2 - South Platte River Greenway, Barbara Benik
* Trip 3 - Local Flood Control and Stormwater Projects, Dave Lloyd
* Trip 4 - Flood Warning Systems in the Denver Metro Area, Kevin Stewart

5:30 p.m. to 9:00 p.m. ASFPM Barbecue, Jefferson County

Friday, June 14

7:00 a.m. to 6:00 p.m. Extended Excursions

* Lawn Lake Debris Fan and the Big Thompson Canyon, Ken Wright
* Trek to the Divide, Bill Fullerton and Jim O'Brien
* Western Slope Alluvial Fans, Brian Hyde

8:00 a.m. to 12:00 noon ASFPM Committee Chair Meeting ................. State
This is a list of registrants as of June 4, 1991. Please bring any necessary corrections to the attention of the Conference Director. A complete list of participants will be available at the conclusion of the afternoon session on Wednesday.

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<td>(202) 646-2771</td>
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<td>John M. Taylor</td>
<td>Michael Baker, Jr., Inc.</td>
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<td>David A. Tipple</td>
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<td>ISO Commercial Risk Services</td>
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<td>Joseph J. Tran</td>
<td>Maricopa County Flood Control District</td>
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<td>(602) 262-1501</td>
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<tr>
<td>Scott L. Tucker</td>
<td>Urban Drainage &amp; Flood Control Dist.</td>
<td>Denver, CO 80211</td>
<td>(303) 455-6277</td>
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