

LIST OF EXHIBITORS

ABT, Inc.
AbTech Industries Inc
AEI-CASC Engineering
Attitude Technology, Inc.
BaySaver Technologies, Inc.
Bio Clean Environmental Services
CDM
CDS Technologies
Clearwater Solutions
Crystal Stream Technologies
Earthwater Stencils
GeoSyntec Consultants
Global Environmental Network
Kristar Enterprises
Layfield Geosynthetics and Industrial Fabrics
MACTEC Engineering & Consulting
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RBF Consulting
Reed & Graham, Inc.
Revel Environmental Manufacturing
Roscoe Moss Company
RPA
Safe Drain Inc.
Shilts Consultants
SI Geosolutions
Stormceptor
StormTrap
Stormwater Management, Inc.
URS Corporation

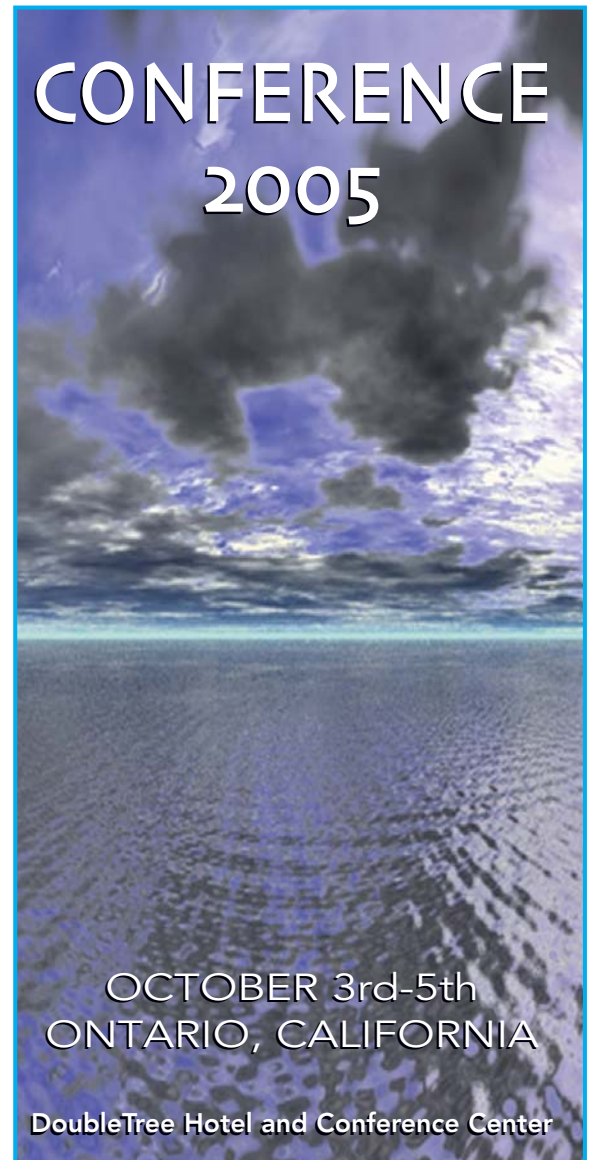


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**CALIFORNIA STORMWATER
QUALITY ASSOCIATION™**



**CONFERENCE
2005**

**OCTOBER 3rd-5th
ONTARIO, CALIFORNIA**

DoubleTree Hotel and Conference Center

Greetings and thank you for participating in CASQA's inaugural conference and exposition, featuring presentations and trainings covering the full gamut of the conference theme – Stormwater, Treatment, Operations, Research, and Management.

The California Stormwater Quality Association is unique among associations in two important ways:

CASQA is the only statewide association in the country dedicated to the advancement of stormwater quality management, science, and regulation.

CASQA is an association of multiple interest groups – including government, science, industry, development, and construction – all with the common goal of advancing the stormwater quality profession.

As a result of these unique qualities, CASQA has been the “place” for stormwater quality information in California since it was founded in 1989 as the Stormwater Quality Task Force. Back then, the State looked to us for help in designing and implementing the new stormwater regulations recently mandated by Congress in the 1987 Clean Water Act amendments. Through the administrative procedures of the State Water Resources Control Board, the Stormwater Quality Task Force was formally commissioned as the principal advisor to the State on stormwater quality program issues.

Starting in the 1990s and continuing into the 2000s, local governments, businesses, and other organizations learned about stormwater quality management – designing, funding, implementing, and evaluating their stormwater quality programs along the way. And the “Task Force” meetings on the second Friday of a month were the place to be for stormwater professionals in California. During the ensuing years, the Task Force evolved into a more formal organization – the California Stormwater Quality Association. And it worked hard to increase the network of professionals it created and to receive and make more information available to more people, more easily. The location of the general meetings was switched from Sacramento to rotating between northern and southern California, and their frequency was reduced first to every-other-month and then to the current once-a-quarter frequency so subcommittees and ad hoc work groups could spend more time on the details of managing stormwater quality. That evolution brings us to this time and this place for CASQA's first comprehensive stormwater quality conference. We hope you enjoy the diverse agenda and that the information exchange is valuable to you and your work.

Again, thanks for being part of CASQA's inaugural conference!



Executive Director

CASQA Conference 2005

HYDROMODIFICATION WORKSHOP AGENDA

Lake Silverwood Room

8:30 A.M. – 8:40 A.M.

Welcome and Opening Remarks

Chris Crompton
SMC Chair

8:40 A.M. – 9:15 A.M.

Introduction to Hydromodification

Jeff Haltiner
Philip Williams and Associates

9:15 A.M. – 10:15 A.M.

Why is Hydromodification such a big deal? (Mini-panel discussion)

Policy Perspective

Susan Cloke
Los Angeles Regional Water Quality Control Board

Regulatory Perspective

John Robertus
San Diego Regional Water Quality Control Board

Homebuilders Perspective

Marolyn Parson
National Association of Home Builders

Natural Resource Perspective

Shelley Luce
Santa Monica Bay Restoration Commission

10:15 A.M. – 10:30 A.M.

BREAK

10:30 A.M. – 12:30 P.M.

Hydromodification Research and Studies

Risk-Based Channel Stability Analysis for Urbanizing Watersheds

Brian Bledsoe
Colorado State University

Changes in Streamflow Patterns from Urbanization - A Humid-Region Perspective

Derek Booth
Univ. of Washington

Modeling Urbanization Impacts and Channel Stability in Ventura County

Tony Donigian
Aqua Terra

Southern California Peak Flow Study Results and Conclusions

Craig MacRae
Aquafor Beech

Santa Clara Valley HMP Studies

Gary Palhegyi
GeoSyntec

12:30 P.M. – 1:30 P.M.

LUNCH BREAK

Buffet, Dining in the Vinyard Room

1:30 P.M. – 2:15 P.M.

Regulatory Response to Hydromodification Northern California perspectives

Larry Kolb
San Francisco Regional Water Board

Southern California Perspectives

Xavier Swamikannu,
LA Regional Water Board

2:15 P.M. – 3:30 P.M.

Implementation of Hydromodification Management Practices

Dan Cloak
Contra Costa County

Santa Clara Valley

Jill Bicknell,
Santa Clara Valley Urban Runoff Program

Newhall Land and Farming

Mark Sobotin
Newhall Land and Farming

Control of Hydromod Through Land Planning

Laura Eisenberg
Rancho Mission Viejo

3:30 P.M. – 4:30 P.M.

Panel discussion on Implementation Issues Facilitated by: Chris Crompton

Matt Yeager
San Bernardino Co. Flood Control District

Rene DeShazo
Los Angeles Regional Water Quality Control Board

Mark Abrahamson
Heal the Bay

Marolyn Parson
National Association of Home Builders

Jeff Haltiner
Philip Williams and Associates

Jill Bicknell
Santa Clara Valley Urban Runoff Program

Pre-Conference Workshop 2

Monday 8:30 AM – 4:00 PM

Lake Gregory Room NPDES Inspection Training



California
Water
Environment
Association

A full day of NPDES inspection training will be provided by CASQA member trainers and guest California Water Environment Association (CWEA) trainers who are

experts in the topics of construction, industrial, and commercial NPDES inspections. Training is designed to educate municipal staff upon the elements of inspection, documentation, record keeping, and proper and improper implementation of stormwater Best Management Practices (BMP). An overview of recent inspection findings in California will be provided.

Moderator:

Daniel Rourke

Fresno Metropolitan Flood Control District

8:30 AM – 10:00 AM

Industrial / Commercial Facility Inspection Training – Part 1

CWEA Trainers:

Steve Aguiar

City of Livermore

and

Daryl Hartwill

City of Riverside

Pre-Inspection Preparation

SWPPP Review

Inspection Training Video

Morning Break

10:00 AM – 10:15 AM

10:15 AM – 11:25 AM

Industrial / Commercial Facility Inspection Training – Part 2

CWEA Trainers:

Steve Aguiar

City of Livermore

and

Daryl Hartwill

City of Riverside

Site Inspection

Sampling Procedures

Inspection Documentation

Enforcement Procedures and Referral

11:25 AM - 12:00 PM

Overview of California Industrial Inspection Findings

John Kosco, P.E. CPESC

Principal Engineer

Tetra Tech

Lunch

12:00 PM - 1:00 PM

Buffet, Dining in the Vineyard Room

1:00 PM – 2:30 PM

Construction Site Inspection Training – Part 1

Trainers:

Melinda McCoy, R.G.

CDM

Luis Leon, P.E.

CDM

Pre-inspection Preparation

SWPPP Review

Inspection Training Video

Afternoon Break

2:30 PM – 2:45 PM

2:45 PM – 3:25 PM

Construction Site Inspection Training – Part 2

Trainers:

Melinda McCoy, R.G.

CDM

Luis Leon, P.E.

CDM

Site Inspection

Inspection Documentation

Enforcement Procedures and Referral

3:25 PM - 4:00 PM

Overview of California Construction Inspection Findings

John Tinger

USEPA Region 9

TUESDAY October 4, 2005

7:30 AM: Open Registration

8:00 AM: Exhibit Opening

8:30 AM – 9:30 AM

Conference Opening Vineyard Room

Welcoming:

Karen Ashby

Chair, and CASQA Board of Directors

Opening Remarks and Introductions

Keynote Address: Mistakes of the Past, Promises of the Future

Doug Harrison

Founding CASQA Chair

Mr. Harrison has been recognized by the American Public Works Association with its "Top Ten Public Works Leaders of the Year Award", the "Excellence in Water Leadership Award" by the Association of California Water Agencies, with a recognition of appreciation by the State Water Resources Control Board, with the "General Manager of the Year Award" of the California Special Districts Association, and was awarded the first "Leadership Award" of the California Storm Quality Association

*** Note: Within time sessions (1-10), presentations run in parallel organized along these four tracks: Stormwater – Treatment Track; Operations Track; Research Track; and Management Track ***

9:30 AM – 10:30 AM

Session 1

Strawberry Peak Room Treatment Track

Stormwater Chemical Dosing System Development

Jeff Lawrence
URS

The Caltrans Route 73 BMP Pilot Study

Gary Friedman
Metcalf & Eddy

Lake Silverwood Room Operations Track

Riverside County's IC/ID Program

Linda C. Garcia
Riverside County Flood Control

Mobile Pressure Washers, Complying with Stormwater BMPs

Regan S. Bailey
Wastewater Resources Analyst

Nicole Green

Environmental Compliance Inspector II
City of Riverside

Big Bear Room Research Track

Life After Diazinon – What's New for Urban Creeks

Armand Ruby
Armand Ruby Consulting

The Increasing Environmental Significance of Pyrethroid Pesticides & Pyrethroid Pesticide Analyses at Environmentally Relevant Levels

Pete W. Halpin
Caltest Analytical Laboratory

Lake Gregory Room Management Track

Development of a Hydromodification Management Plan for the Santa Clara Valley Part 1: Performance Criteria and Guidance for Local Implementation

Jill C. Bicknell, P.E.
Assistant Program Manager
EOA, Inc
Santa Clara Valley Urban Runoff Pollution Prevention Program

Development of a Hydromodification Management Plan for the Santa Clara Valley – Part 2: Assessment of Hydromodification Impacts and Control Measure Effectiveness

Gary Palhegyi
Senior Professional
GeoSyntec

10:30 AM – 11:00 AM

Morning Break

11:00 AM – 12:00 PM

Session 2

Strawberry Peak Room Treatment Track

Post-Project Monitoring of BMPs/SUDs to Determine Performance and Whole-Life Costs

Michael Barrett, Ph.D.
University of Texas

Lake Silverwood Room Treatment Track

Treatment Trains: Don't Get Run Over

Gary R. Minton, Ph.D., P.E.
Resource Planning Associates

Performance, Maintenance and Cost of Full Sedimentation vs. Partial Sedimentation Sand Filters

David Alderete
Office of Water Programs
California State University Sacramento

Big Bear Room Research Track

Characterization of Runoff from the Sacramento Urban Area

Bill Busath
City of Sacramento

A Watershed Scale Approach to Estimating Pollutant Loading from Dry Season Urban Runoff

Dustin Bambic
Larry Walker Associates

Lake Gregory Room Management Track

Hydrograph Modification Management Using Simplified Low Impact Development Design

Christie Beeman, P.E.
Senior Associate
Philip Williams and Associates

12:00 PM – 1:30 PM

Luncheon Presentation

In the Vineyard Room

CASQA Awards and Recognition Program

The CASQA Board of Directors recognizes that individuals and organizations play a key role in furthering the educational, technical, and scientific initiatives that advance stormwater quality management, science, and regulation. Furthermore, the Board has determined that certain individuals and organizations display exemplary leadership, excellence, and initiative in advancing stormwater quality management, science, and regulation, and that the purpose of CASQA can be better achieved by formally recognizing these individuals and organizations.

Therefore, the Board has established the CASQA Awards and Recognition Program to recognize excellence in the above-mentioned areas.

During the luncheon CASQA will recognize individuals and organizations that show exemplary leadership, courage, excellence, or initiative in advancing stormwater quality management, science, and regulation consistent with CASQA's mission.

1:30 PM – 2:30 PM

Session 3

Strawberry Peak Room

Treatment Track

A New Method for Estimating Runoff Quantities for Flow and Volume-based BMP Design

William R. Lanton

*Department of Geological Sciences
California State University, Fullerton*

Lake Silverwood Room

Management Track

Collaboration & Integration Opportunities for Stormwater Programs

Stephen McCord

*Senior Engineer
Larry Walker Associates*

Stormwater Monitoring Coalition: A Regional Approach to Research/Monitoring in Southern California

Chris Crompton

*Manager, Environmental Resources
County of Orange/Watershed & Coastal Resources*

Big Bear Room

Research Track

Management of Pathogens Associated with Stormwater Discharges: Methodology and Application for Molecular Detection of Target Organisms Combined with Microbial Source Tracking

Professor Stefan Wuertz

*Department of Civil and Environmental Engineering
University of California, Davis*

First Flush Phenomenon

Masoud Kayhanian

Associate Director

*Center for Environmental and Water Resources Engineering
Department of Civil and Environmental Engineering
University of California, Davis*

Lake Gregory Room

Management Track

The Role of Economic Considerations in Stormwater Permits

John J. Lormon,

Partner

Procopio Cory Hargreaves & Savitch LLP

Stormwater – A Federal Legal Update

Elizabeth (Nena) Shaw, Esq.

Hunton & Williams LLP

2:30 PM – 2:45 PM

Afternoon Break

2:45 PM – 3:45 PM

Session 4

Lake Gregory Room

Treatment Track

Simplified Low Impact Development Design for Compliance with Stormwater Treatment Requirements

Dan Cloak, P.E.

Principal

Dan Cloak Environmental Consulting

A Lower-Impact Development Approach for a Coastal Resort in Southern California

Eric W. Strecker

GeoSyntec

Lake Silverwood Room

Management Track

Arroyo Seco Watershed Plan: Strategic Water Quality Implementation

Ken Susilo, P.E., CPSWQ

GeoSyntec Consultants

Brandon Steets

The Nitrogen and Selenium Management Program for the San Diego Creek and Newport Bay Watershed: An Alternative Compliance Approach to Waste Discharge Requirements

Karen Hauptly

County of Orange

Big Bear Room

Research Track

The World According to TAPE: A Journey Through the Washington State Department of Ecology's Approval Process

Vaikko Allen

Stormwater Management Inc.

Strawberry Peak Room
Management Track

Strategies for New Revenue for Stormwater Management: California Case Studies.

John W. Bliss, P.E.
*Vice President
Shilts Consulting*

4:00 PM – 5:00 PM
Session 5

Lake Gregory Room
Treatment Track

The Effects of Infiltrating Stormwater On Soils and Groundwater

Scott Meyer
Office of Water Programs

Countywide Stormwater Infiltration Site Characterization Criteria and Guidance Study, Contra Costa Clean Water Program

Lucas W. Paz, Ph.D.
*Senior Hydrologist
LFR Levine - Fricke*

Michael S. Thomas, P.E.
*Principal Engineer
LFR Levine - Fricke*

Lake Silverwood Room
Management Track

Evaluation of Recreational Uses and Bacteria Water Quality Objectives in the Santa Ana River Watershed

Richard Meyerhoff, Ph.D.
CDM

Big Bear Room
Management Track

An Innovative Approach for Protecting the San Diego Marine Life Refuge: A Prototype Model for ASBS Management

Nathan J. Schaedler, P.E.
*Project Manager
MACTEC*

Strawberry Peak Room
Management Track

Rancho Mission Viejo Water Quality Management Plan

Peter Mangarella, P.E., Ph.D.
*Associate
GeoSyntec Consultants, Oakland, CA*

Laura Coley Eisenberg
*Director, Planning and Entitlement
Rancho Mission Viejo
San Capistrano*

5:30 PM – 7:30 PM

Exhibitor Hosted Reception

In the Harvest and Grove Room

Join us in the Exhibitor's Hall for Drinks and Appetizers

**Wednesday
October 5, 2005**

7:30 AM: Open Registration

8:00 AM: Exhibit Opening

8:30 AM – 9:30 AM

Session 6

Lake Gregory Room
Treatment Track

LEED Requirements: From a Hydrology and Drainage Design Perspective

Eliza Jane Whitman, P.E.
Inland Empire Utilities Agency (IEUA)

Sun Valley Park Stormwater Infiltration Basin Demonstration Project

Kathleen Higgins
CH2M Hill

Strawberry Peak Room
Management Track

The Storm Water Data Report: How Caltrans Documents Compliance in the Design Phase

Timothy B. Sobelman, P.E.
*Chief – Office of Stormwater Management
California Department of Transportation*

Using Web Technology to Improve MS4 Regulatory Reporting

Jon Spangenberg
CDM

Big Bear Room
Research Track

Solid Measurements in Stormwater Runoff

Masoud Kayhanian
*Associate Director
Center for Environmental and Water Resources Engineering
Department of Civil and Environmental Engineering
University of California, Davis*

Design of BMPs for Contaminants Removal with respect to Small Particle Size Distribution

Masoud Kayhanian
*Associate Director
Center for Environmental and Water Resources Engineering
Department of Civil and Environmental Engineering
University of California, Davis*

Lake Silverwood Room Management Track

Evaluation of Municipal Stormwater Programs Implemented Throughout California

Pamela Creedon
Tetra Tech

Evaluation of New Development Standards for Municipal Stormwater Programs in Southern California

John Kosco, P.E. CPESC
Principal Engineer
Tetra Tech

9:30 AM – 9:45 AM

Morning Break

9:45 AM – 10:45 AM

Session 7

Lake Gregory Room Treatment Track

Performance of a California Wet Pond

Gary Shawley
Alameda County

Stormwater Treatment: Can We Make Them Smaller?

Gary R. Minton
Resource Planning Associates

Lake Silverwood Room Research Track

Analyses of the Expanded International BMP Database and Implications for BMP Selection and Design

Eric W. Strecker
GeoSyntec

Big Bear Room Management Track

Basin Sizer: A Free Software Tool for Determining Water Quality Volumes and Water Quality Flows

Scott Meyer
Office of Water Programs

Finding Water Body Information Using the Water Quality Planning Tool Web Site

Scott Meyer
Office of Water Programs

Strawberry Peak Room Management Track

LID Techniques and Water Quality Management Plans for Water Quality Control in New Development and Redevelopment

Jeffery D. Endicott, P.E., DEE
Engineering Director
AEI-CASC Engineering Inc.

11:00 AM – 12:00 PM

Session 8

Lake Gregory Room Treatment Track

Tahoe Basin BMP Evaluation and Feasibility Study

Eric W. Strecker
GeoSyntec

Effort to Keep Lake Tahoe Blue

Sara A. McIlroy
Stantec

Strawberry Peak Room Management Track

Using A Water Quality Database as a Stormwater Program Management Tool

Mike Troughon
Senior Scientist
Larry Walker Associates

Report of Water Quality Exceedances – Assessing Water Quality Compliance for Central Valley Phase I Municipal Stormwater Dischargers

Brian Laurenson, P.E.
Senior Engineer
Larry Walker Associates

Big Bear Room Research Track

Don't Trash Fresno Public Education Research Study (PERS)

Misha Gutierrez
Ogilvy, PR

Using Technical Data and Marketing Research to Change Behavior

Stephen Groner, P.E.
President
S. Groner & Associates Inc.

Lake Silverwood Room Management Track

Program Assessment – The Need for Quantifiable Measurements

Betsy Elzufon
CASQA

12:00 PM – 1:30 PM

Lunch in the Vineyard Room

Luncheon Presentation

Dealing with Last Year's Record Southern California Rainfall - Impact and Agency Response

Guest luncheon speakers from Southern California water resources agencies will present impacts and challenges related to managing the previous wet season's record rainfall and resulting stormwater runoff. Guest luncheon speakers include:

Vana Olson

San Bernardino County Department of Public Works

Herb Nakasone

Director Public Works / Chief Engineer, Resources & Development Management Department, County of Orange

Warren "Dusty" Williams

General Manager / Chief Engineer, Riverside County Flood Control and Water Conservation District

1:30 PM – 2:30 PM

Session 9

Lake Gregory Room
Treatment Track

Pilot Study to Full Scale Implementation: How to Design A Trash Capture Device for California Freeways

Timothy B. Sobeman, P.E.

Supervising Transportation Engineer

Chief-Office of Stormwater Management-Design

One Solution for Meeting LA's Trash TMDL; Utilization of Louvered Linear Radial Screen for Gross Solids Removal

Kevin McGillcuddy

Director, Stormwater Treatment Division

Roscoe Moss Company

Lake Silverwood Room
Research Track

Caltrans Vegetation Erosion Control Research and Seed Selection Tool

Misty Scharff

Office of Water Programs

Testing and Quality Control of Seed For Erosion Control

Randy Marx

Brown & Caldwell

Big Bear Room
Management Track

Municipal Strategies for Implementing TMDLs: The Florida Perspective

Michael Batemen

Vortech Inc.

An Integrated, Iterative, Adaptive Approach to TMDL Implementation for Santa Monica Bay

Jurisdictions 1 and 4

Ken Susilo

GeoSyntec

Strawberry Peak Room
Management Track

CASQA Public Information and Education Resources Directory

Sharon Gosselin

CASQA

2:30 PM – 2:45 PM

Afternoon Break

2:45 PM – 3:45 PM

Session 10

Lake Gregory Room
Research Track

Selenium Treatment and Management Approaches

Ken Susilo

GeoSyntec

Lake Silverwood Room
Treatment Track

Santa Barbara County Urban Runoff Treatment Control Project

Peter Mangarella, P.E., Ph.D.

Associate, GeoSyntec Consultants Oakland, CA

Cathleen Garnand, P.E.

Civil Engineering Associate

Santa Barbara County Water Agency

Craig Steward, P.E.

Principal Engineer

Penfield & Smith

John Gray

URS Corporation

Big Bear Room
Research Track

Development of Treatment Processes for Removing Turbidity and Phosphorus at Lake Tahoe

Deven Patel

Office of Water Programs

Strawberry Peak Room
Management Track

Ballona Creek Watershed BMP Retrofit Study – Phase I: Conceptual Planning

Lisa Austin, P.E.

GeoSyntec