LIST OF EXHIBITORS
ABT, Inc.
AbTech Industries Inc
AEI-CASC Engineering
Attitude Technology, Inc.
BaySaver Technologies, Inc.
BioClean 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
MRC Technologies
MWH
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
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
Tuesday October 4, 2005

Conference Opening 8:30 AM - 9:30 AM

SESSION 1 9:30 AM – 10:30 AM

Strawberry Peak Room  Stormwater Chemical Dosing System Development
   The Caltrans Route 73 BMP Pilot Study

Lake Silverwood Room  Riverside County's ICID Programs
   Mobile Pressure Washers, Complying with Stormwater BMPs

Big Bear Room  Life After Diazinon – What's New for Urban Creeks
   The Increasing Environmental Significance of Pyrethroid Pesticides & Pyrethroid Pesticide Analyses at Environmentally Relevant Levels


SESSION 2 11:00 AM – 12:00 PM

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

Lake Silverwood Room  Treatment Trains: Don't Get Run Over
   Performance, Maintenance and Costs of Full Sedimentation vs. Partial Sedimentation Sand Filters

Big Bear Room  Characterization of Runoff from the Sacramento Urban Area
   A Watershed Scale Approach to Estimating Pollutant Loading from Dry Season Urban Runoff

Lake Gregory Room  Hydrograph Modification Management Using Simplified Low Impact Development Design

LUNCH 12:00 PM – 1:30 PM

Vineyard Room  CASQA Awards and Recognition Program

SESSION 3 1:30 PM – 2:30 PM

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

Lake Silverwood Room  Collaboration & Integration Opportunities for Stormwater Programs
   Stormwater Monitoring Coalition: A Regional Approach to Research/Monitoring in Southern California

Big Bear Room  Management of Pathogens Associated with Stormwater Discharges: Methodology and Application for Molecular Detection of Target Organisms Combined with Microbial Source Tracking
   First Flush Phenomenon

Lake Gregory Room  The Role of Economic Considerations in Stormwater Permits
   Stormwater – A Federal Legal Update

SESSION 4 2:45 PM – 3:45 PM

Lake Gregory Room  Simplified Low Impact Development Design for Compliance with Stormwater Treatment Requirements
   A Lower-Impact Development Approach for a Coastal Resort in Southern California

Lake Silverwood Room  Arroyo Seco Watershed Plan: Strategic Water Quality Implementation
   The Nitrogen and Selenium Management Program for the San Diego Creek and Newport Bay Watershed: An Alternative Compliance Approach to Waste Discharge Requirements

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

Strawberry Peak Room  Strategies for New Revenue in Stormwater Management: California Case Studies

SESSION 5 4:00 PM – 5:00 PM

Lake Gregory Room  Effects of Infiltrating Stormwater On Soils and Groundwater
   Countrywide Stormwater Infiltration Site Characterization Criteria and Guidance Study, Contra Costa Clean Water Program
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<td>Evaluation of Recreational Uses and Bacteria Water Quality Objectives in the Santa Ana River Watershed</td>
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<tr>
<td>Strawberry Peak Room</td>
<td>Rancho Mission Viejo Water Quality Management Plan</td>
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**Wednesday October 5, 2005**

**SESSION 6 8:30 AM – 9:30 AM**

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<td>Lake Gregory Room</td>
<td>LEED Requirements: From a Hydrology and Drainage Design Perspective Sun Valley Park Stormwater Infiltration Basin Demonstration Project</td>
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<td>Strawberry Peak Room</td>
<td>The Stormwater Data Report: How Caltrans Documents Compliance in the Design Phase Using Web Technology to Improve MS4 Regulatory Reporting</td>
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<td>Solid Measurements in Stormwater Runoff Design of BMPs for Contaminants Removal with Respect to Small Particle Size Distribution</td>
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<td>Lake Silverwood Room</td>
<td>Evaluation of Municipal Stormwater Programs Implemented Throughout California Evaluation of New Development Standards for Municipal Stormwater Programs in Southern California</td>
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**SESSION 7 9:45 AM – 10:45 AM**

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<td>Analyses of the Expanded International BMP Data Base and Implications for BMP Selection and Design</td>
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<td>LID Techniques and Water Quality Management Plans for Water Quality Control in New Development and Redevelopment</td>
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**SESSION 8 11:00 AM – 12:00 PM**

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<td>Tahoe Basin BMP Evaluation and Feasibility Study Effort to Keep Lake Tahoe Blue</td>
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<td>Using a Water Quality Database as a Stormwater Program Management Tool Report of Water Quality Exceedances – Assessing Water Quality Compliance for Central Valley Phase I Municipal Stormwater Discharge</td>
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<td>Big Bear Room</td>
<td>Don't Trash Fresno Public Education Research Study (PERS) Using Technical Data and Marketing Research to Change Behavior</td>
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<tr>
<td>Lake Silverwood Room</td>
<td>Program Assessment – The Need for Quantifiable Measurements</td>
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**LUNCHEON PRESENTATIONS 12:00 PM – 1:30 PM**

<table>
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<tr>
<td>Vineyard Room</td>
<td>Dealing with Last Year's Record Southern California Rainfall</td>
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**SESSION 9 1:30 PM – 2:30 PM**

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<td>Lake Gregory Room</td>
<td>Pilot Study to Full Scale Implementation: How to Design a Trash Capture Device for California Freeways One Solution for Meeting LA's Trash TMDL: Utilization of Louvered Linear Radial Screen for Gross Solids Removal</td>
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<td>Lake Silverwood Room</td>
<td>Caltrans Vegetation Erosion Control Research and Seed Selection Tool Testing and Quality Control of Seed for Erosion Control</td>
</tr>
<tr>
<td>Big Bear Room</td>
<td>Municipal Strategies for Implementing TMDLs: The Florida Perspective An Integrated, Iterative, Adaptive Approach to TMDL Implementation for Santa Monica Bay Jurisdictions 1 and 4</td>
</tr>
<tr>
<td>Strawberry Peak Room</td>
<td>CASQA Public Information and Education Resources Directory</td>
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**Session 10 2:45 PM – 3:45 PM**

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<tr>
<td>Lake Gregory Room</td>
<td>Selenium Treatment and Management</td>
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<td>Lake Silverwood Room</td>
<td>Santa Barbara County Urban Runoff Treatment Control Project</td>
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<tr>
<td>Big Bear Room</td>
<td>Development of Treatment Processes for Removing Turbidity and Phosphorus at Lake Tahoe</td>
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<td>Ballona Creek Watershed BMP Retrofit Study – Phase 1: Conceptual Planning</td>
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</table>
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, Dinning 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

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 Metropilton 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, Dinning in the Vineyard Room
1:00 PM – 2:30 PM
Construction Site Inspection Training – Part 1
Trainers:
Melinda McCoy, R.G. 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. 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 **
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

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

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

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

Lake Gregory Room
Management Track
The Role of Economic Considerations in Stormwater Permits
John J. Lorman,
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 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  

Design of BMPs for Contaminants Removal  
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

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. McIlory
Stantec

Strawberry Peak Room
Management Track

Using A Water Quality Database as a Stormwater Program Management Tool
Mike Trouchon
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
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
Depen Patel
Brown & Caldwell

Strawberry Peak Room
Management Track
Ballona Creek Watershed BMP Retrofit Study – Phase I: Conceptual Planning
Lisa Austin, P.E.
GeoSyntec

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
Vortechnics Inc.

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 8
Lake Gregory Room
Research Track
Development of Treatment Processes for Removing Turbidity and Phosphorus at Lake Tahoe
Depen Patel
Office of Water Programs

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