

# 2015 CASQA ANNUAL REPORT

WE ARE MAKING  
A DIFFERENCE

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THANK YOU for helping make this year another successful one in stormwater management and for the California Stormwater Quality Association (CASQA). As you recall, we started our journey in January with our “*Annual Federal and State Regulatory Program Update*” meeting in San Diego. In March we were in Sacramento with the theme “*Low Impact Development, Lessons Learned.*” In May we landed in Ontario with “*Integrated (Storm) water Resource Management.*” We finished with our most successful CASQA conference ever in Monterey (more later). We collaborated successfully at both the state and national level, most recently with help in the formation of the National Municipal Stormwater Alliance. I am very happy to report that CASQA is financially sound and stable, our membership is growing, and I am proud of the number of significant accomplishments in 2015 as described in this annual report.

## CASQA’S VISION AND STRATEGIC PLAN FOR MANAGING STORMWATER IN THE 21ST CENTURY

If you were not aware I would like to announce that in early 2015, we finalized two very important documents.

- *CASQA Vision and Strategic Actions for Managing Stormwater in the 21st Century* (January 2015)
- *CASQA Strategic Vision Dashboard* (April 2015)

During the rest of 2015, we looked for opportunities to implement the Vision and Strategic Actions, including building a coalition of support, engaging the State Water Board and others in an attempt to align their developing strategy with ours, publicizing our vision, and engaging stakeholders in a collaborative effort to prioritize water quality issues.

I encourage everyone to access them at the CASQA website at <https://www.casqa.org/news-library/public-documents>. Let us know what you think.

## BOARD INITIATIVES

The CASQA Board this year completed several revisions to our “Policy and Procedures” continuing improvements and refinements to our internal processes. These updates ensure CASQA operates and provides the upmost degree of accountability and transparency to its membership and the public at large. Policies and Procedures that were updated this year included:

- Conflict of Interest
- Consultant Selection and Contracting
- Strategic Planning, Budgeting, and Work Planning

The roles and responsibilities of our Executive Program Committee (EPC) and Subcommittees also continue to be a work in progress as we determine the best use of our resources. Subcommittee chairmanships now rotate on a more frequent basis to allow greater participation. We also made an adjustment to our budget process, leading to timelier budget enactment and better alignment of our budget with the Board’s adopted priorities and objectives.

In early fall the CASQA’s Board completed its annual Strategic Planning session leading to the development of its 2016 Objectives. These prioritized 2016 Objectives provided a lead into our on-time adoption of the 2016 Budget in December.

## CASQA WORK PRODUCT APPROVALS

This past year the Board approved a number of work products including:

- **Pesticides Subcommittee Annual Report and Effectiveness Assessment** – This annual report provides CASQA members with focused information on efforts to prevent pesticide pollution in urban waterways.
- **Zinc Sources in California Urban Runoff** – This study provides scientific information to inform decision-making by CASQA and stormwater permittees in the reduction of zinc as a water pollutant, identifies major and minor sources of zinc, and assists agencies to focus control measures in a cost-effective manner.

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- **Removing Barriers to Low Impact Development (LID) in Local and States Codes** – This project developed a Code Assistance Program to address obstacles to LID implementation in local and state codes, ordinances, and standards that regulate new construction and/or redevelopment projects of building, housing and neighborhoods.
- **A Strategic Approach to Planning and Assessing the Effectiveness of Stormwater Programs** – This document introduces and describes a strategic approach to planning and assessing Municipal Separate Storm Sewer System (MS4) programs. It provides background on the development and use of strategic planning methods, and describes how planning results can be used to direct program resources, establish measurability, and assess the effectiveness of stormwater management programs.

## STATE WATER BOARD INITIATIVES

Below are a few of the significant State Water Board initiatives CASQA has participated in. For a more complete list of regulatory initiatives in which CASQA participated in 2015, see Appendix C.

- Storm Water Strategy
- Trash Amendments

**“WE LOOKED FOR OPPORTUNITIES TO IMPLEMENT THE VISION AND STRATEGIC ACTIONS, including building a coalition of support, engaging the State Water Board and others in an attempt to align their developing strategy with ours, publicizing our vision, and engaging stakeholders in a collaborative effort to prioritize water quality issues.”**

– GERHARDT HUBNER

- Petitions Challenging the 2012 Los Angeles Areawide Permit
- Storm Water Resource Plan Guidelines
- Proposition 1 Storm Water Program Funding Guidelines
- Permit Fees

## INDUSTRIAL GENERAL PERMIT IMPLEMENTATION

On July 1, 2015, the new Industrial General Permit (IGP) became effective, replacing the 1997 permit. This year your CASQA Board approved seed funding for CASQA to become the administrator of the new IGP Training Program that will train and qualify individuals as Qualified Industrial Stormwater Practitioners (QISPs). As many of you know, CASQA is the administrator of a similar program – the Construction General Permit (CGP) Training Program under a Memorandum of Understanding with the State Water Board. CASQA involvement in the IGP Training

Program will likely include Trainer of Record (ToR) training and qualification, QISP training and registration, database management, examination administration, certificate issuance, and customer service. Similar to the CGP Training Program the regulated public will benefit from CASQA’s ability to provide a consistent and high quality QISP training program.

## FORMATION OF JOINT POWERS AUTHORITY

The formation of the “California Stormwater Quality Authority (Authority)” through a Joint Powers Agreement continues to inch forward as we await authorization for the State Water Board to become a party to the agreement. Already Fresno Metropolitan Flood Control District and Alameda County Flood Control and Water Conservation District have authorized signing on as initial parties. The primary purpose of the Authority is to efficiently and effectively fund and conduct collaborative

stormwater efforts, support and provide research services, and develop tools to assist public and private entities in complying with municipal, industrial, and construction stormwater permits. The Authority’s resulting work will result in improved surface and ground water quality and enhancement of California’s water supply.

## STORMWATER FUNDING

As I have reported before, the inadequacy of funding stormwater programs (and Total Maximum Daily Loads [TMDL] implementation) becomes more apparent with each passing year. Therefore, assisting local agencies with stormwater funding has become one of the highest priority objectives for CASQA. In 2015, CASQA joined with a diverse group of organizations, including the California State Association of Counties (CSAC), League of California Cities, Association of California Water Agencies (ACWA), and environmental and business groups to form an informal “stormwater coalition” to explore ways to facilitate funding for local agencies’ stormwater programs. See The 2016 Initiatives section on page 12 of this report for the latest on that effort.

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## ARMY CORP OF ENGINEERS/ U.S. EPA'S WATERS OF THE U.S. FINAL RULE

In 2015, the Army Corp of Engineers and the U.S. Environmental Protection Agency (U.S. EPA) published in the Federal Register the Final Waters of the U.S. (WOTUS) Rule. The Corps and U.S. EPA's intent is to clarify and define surface waters that are "waters of the U.S." MS4 permittees have been watching to see if a drainage ditch or stormwater runoff disposal pond would become newly classified under this rule as a water of the U.S.

**"I AM VERY HAPPY TO REPORT THAT CASQA IS FINANCIALLY SOUND AND STABLE, OUR MEMBERSHIP IS GROWING, and I am proud of the number of significant accomplishments in 2015 as described in this annual report."**

– GERHARDT HUBNER

As you can imagine, the Final Rule was very controversial, reportedly received a record number of comments, and was challenged in Federal Court. At this point, the Final Rule has been stayed by a Federal court order, and its outcome remains uncertain.

## 11TH ANNUAL CONFERENCE

Returning to a great location, the CASQA 2015 conference was held October 19-21, 2015 at the Hyatt Regency Monterey. Once again the CASQA's Annual Conference proved its reputation as the premier forum for information, data and technical exchange, and networking on stormwater. By the way, this was our largest attended conference ever with 800 persons participating over the 3-day conference. The Monday night networking event at the Monterey Bay Aquarium was... well too hard to describe except....magical.

We had an opening inspirational speech by Mayor for the City of Monterey Mr. Clyde Roberson followed by our keynote speaker Dr. David Sedlak, professor and Co-Director of the Berkeley Water Center and Deputy Director of the Natural Science Foundation's Engineering Research Center on Re-Inventing

the Nation's Urban Water Infrastructure (ReNUWIt). Dr. Sedlak's presentation, "Is There Room for Stormwater in the 4th Urban Water Revolution?" walked us through Urban Water 1.0 to 4.0, but also left us with confronting water self sufficiency challenges while overcoming institutional barriers.

As you know, this year's conference theme was "*Stormwater – Are We Making a Difference?*" The conference provided the perfect venue as we pondered this question of the link between stormwater programs and environmental outcomes. The conference also brought us together to assess stormwater improvement in urban areas, the need for innovative approaches, the opportunity to learn from each other, and to chart the future course within our scientific area of expertise.

Again, let me thank everyone for allowing me to be your Chair the past two years. I enjoyed the challenge and honor of representing such a fine organization. I want to thank again all our CASQA members, volunteers, our Executive Program Committee, and Board Members for your dedication, hard work and commitment this past year towards better stormwater management and stewardship.



**Gerhardt Hubner**  
Chair

# ABOUT US THE CASQA ORGANIZATION



The California Stormwater Quality Association is dedicated to developing and implementing effective stormwater quality management programs. CASQA membership is comprised of stormwater practitioners, National Pollutant Discharge Elimination System (NPDES) Permit holders and parties engaged in the improvement of stormwater quality and employed by private corporations, municipalities, the state and federal governments.

## ORGANIZATIONAL STRUCTURE

### BOARD OF DIRECTORS

The CASQA Directors (11 elected volunteers) provide the vision and direction for CASQA, manage its activities and affairs, and exercise the Association's corporate powers. The Board of Directors is responsible for:

- (1) adopting an annual budget, (2) adopting the annual dues schedule, and (3) adopting

policies and positions concerning regulations, legislation and litigation. Since 2002, the Board of Directors has guided CASQA to become a widely recognized and well respected nonprofit, educational, scientific, and professional association.

### OFFICERS

Officers of the corporation are: Chair, Vice-Chair, Treasurer, Secretary, and Executive Program Coordinator. Officers are elected by the Board of Directors and serve two-year terms.

### EXECUTIVE DIRECTOR

The CASQA Executive Director manages the day-to-day activities of CASQA, serves as the primary liaison with members, government agencies, and other organizations, and helps to set and achieve the vision for the future and growth of CASQA.



Geoff Brosseau, CASQA Executive Director

### COMMITTEES OF THE BOARD OF DIRECTORS

The Board of Directors creates committees that accomplish the goals of CASQA, each consisting of two or more directors, and other persons that the directors may appoint. Standing board committees are: Awards, Bylaws Review, EPC, Finance, and Membership.

**Awards** advances the stormwater quality management profession by identifying and recognizing exemplary leadership, outstanding projects, activities, and contributions to the field of stormwater quality management.

**Bylaws Review** annually reviews the bylaws and makes recommendations for revisions as necessary to ensure smooth and efficient operation of CASQA.

**Executive Program** comprises no more than 27 members and directs the technical work of the association through subcommittees.

**Finance** manages CASQA's fiscal resources, proposes the annual operating budget, and oversees the membership invoices.

**Membership** retains existing members, outreaches to potential new members, and improves membership value.

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CASQA developed the Strategic Vision for the organization, its members and the public to pursue a comprehensive plan for stormwater that will achieve the goals of the Clean Water Act and improve the efficiency and effectiveness of stormwater management.





## OTHER LEADERSHIP

### SUBCOMMITTEES OF THE EXECUTIVE PROGRAM COMMITTEE

Fourteen subcommittees focus on different areas of stormwater management under the auspices of the EPC, chaired by the Vice Chair of CASQA. Composed of an all-volunteer membership, the subcommittees develop products, direct CASQA consultants and provide information to improve surface water resources in California.

The basic charter of each subcommittee is outlined in the summary that follows.

### EPC SUBCOMMITTEES SUMMARY

**Best Management Practices** provides contemporary information on BMPs and LID based on scientific advances and practical tools through the CASQA web portals.

**Conference** serves to increase awareness and knowledge of stormwater quality management issues through developing the annual CASQA conference and associated workshops.

**Construction** identifies emerging issues, and tracks trends and regulatory requirements for construction stormwater dischargers and assists members with identifying possible solutions to evolving regulatory requirements.

### Effectiveness Assessment

provides input and guidance on stormwater program effectiveness assessments, including a standardized conceptual approach to evaluating municipal program elements.

**Industrial** ensures the issues and concerns of regulated industrial stormwater discharger members are represented in policies and regulations, including permitting and numeric effluent limits.

**Legislation** tracks stormwater related legislation in the United States Congress and in both the California Senate and Assembly, prepares quarterly legislative summaries for CASQA members, and prepares fact sheets on key legislation that can be used by members to educate their organizations about potential impact of proposed legislation.

**Monitoring and Science** improves scientific and technical basis of stormwater management programs by developing research and monitoring priorities, as well as seeking collaborators, partners, and grant funding for needed research.



**Pesticides** addresses pesticide uses that impact stormwater discharges, provides input to U.S. EPA and the California Department of Pesticide Regulation (DPR) to improve regulations, compiles relevant information, assists members with compliance strategies, and coordinates its activities with other agencies statewide.

**Phase II** seeks to educate and engage Phase II programs in stormwater management issues and provides a forum for information exchange and collaboration.

**Policy and Permitting** develops comments and testimony on state, U.S. EPA, and precedent-setting regional policies and permitting initiatives to promote the development of a statewide stormwater policy.

**Public Information / Public Participation** provides a forum for stormwater public outreach professionals to share ideas and assists in coordinating outreach efforts in California.

**Training** oversees the development and implementation of long-term sustainable training programs to meet the needs of California stormwater practitioners.

**Watershed Management and Impaired Waters** promotes the development and application of appropriate water quality standards through tracking and commenting on 303d listings and policy and implementation of TMDLs, facilitates source control, and provides guidance on hydromodification management.

**Website** maintains the CASQA website as a stormwater management resource for members and the general public.

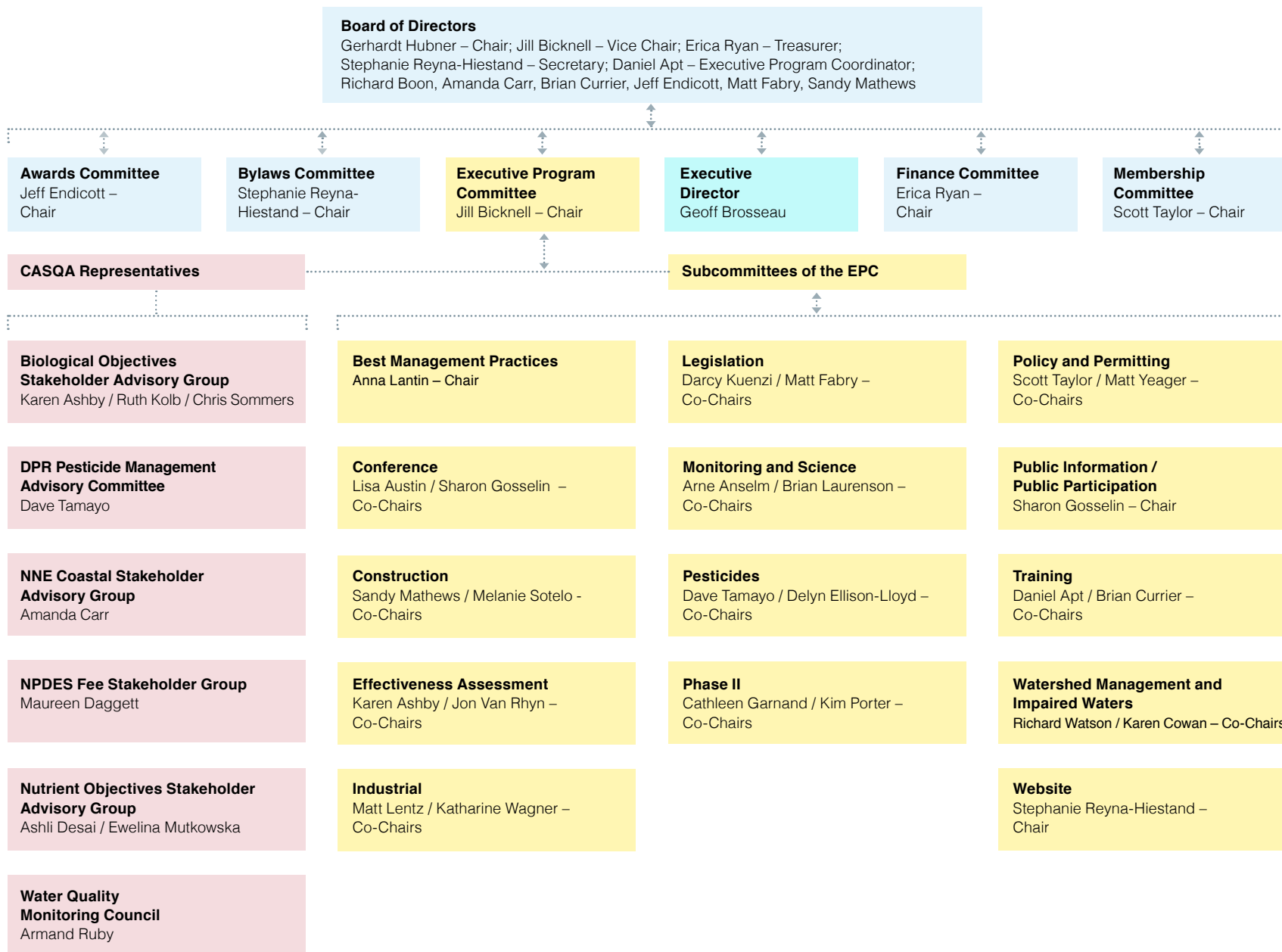
## CASQA REPRESENTATIVES

CASQA encourages individuals to serve on committees and other groups to represent the interests of stormwater quality management and CASQA members.

# 2015 ORGANIZATIONAL STRUCTURE



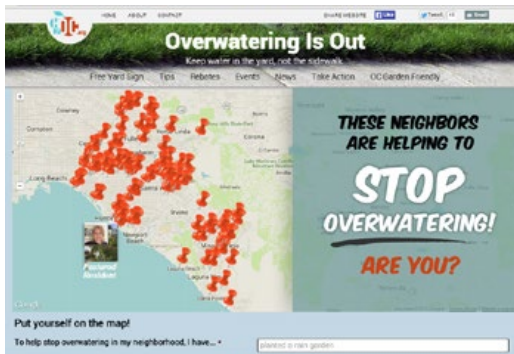
Photo © Leigh Fralther | Dreamstime.com (above)



The mission of the CASQA Awards Program is to advance the stormwater quality management profession by identifying and recognizing exemplary leadership, outstanding projects, activities, and contributions to the field.

The first CASQA award was the Leadership Award issued in 2004 to Doug Harrison. The issuance of the Leadership Award that year provided the stimulus to create the current awards program in the following year. Every year since 2005, CASQA has utilized the annual conference as the venue to recognize CASQA award recipients.

The “Overwatering Is Out” website offers interactive features, such as allowing residents to pin their profile and water conservation tactics on a map.



### 2015 CASQA AWARDS

#### OUTSTANDING STORMWATER NEWS, INFORMATION, OUTREACH, AND MEDIA

This award is for outstanding stormwater quality news, information, outreach, and media.

**“Overwatering Is Out” Public Education Campaign, Presented to the Orange County Stormwater Program and Stephen Groner & Associates, Inc.**

“Overwatering Is Out” is a countywide stormwater public education campaign that utilizes the full range of traditional grassroots and online outreach tactics. The program is exemplary in successfully aligning those outreach tactics to fully support each other to carry engagement earned in one tactic into the others by the collection and usage of data. For example, an in-person interaction at a community event turns into an email opt-in



From left: Stephen Groner, S. Groner Assoc.; Jenna Voss, Chris Crompton, Richard Boon and Mary Anne Skorpanich, County of Orange; Awards Chair Jeff Endicott, CASC Engineering and Consulting

that is sent, personalized messaging based on information learned at that event. The messaging then drives the resident to the program website where the different pages they visit are tracked to better understand their interests.

#### OUTSTANDING SUSTAINABLE STORMWATER PROJECT OR PROGRAM

This award is for outstanding sustainable stormwater projects or programs including those that accomplish true source control.

**Stevens Creek Corridor Park and Restoration Phase 2, Presented to the City of Cupertino Department of Public Works**

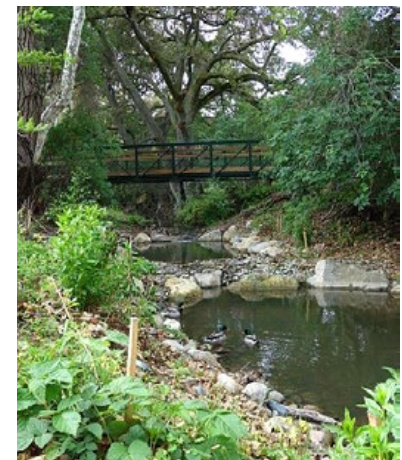
The Stevens Creek Corridor Park and Restoration Phase 2 widened and restored an important section of Stevens Creek in Cupertino, California, which provides habitat to a variety of rare and protected wildlife species. Project elements include creek restoration,



From left: Rodney Cahill, Mesiti-Miller Engineering; Ed Ballman, Balance Hydrologics; Scott Reeves and Steve Sutherland, SSA Landscape Architects; Gail Seeds, City of Cupertino; Awards Chair Jeff Endicott, CASC Engineering and Consulting

enhanced habitat for rare species, extensive new public open space, environmental education areas, and a completed trail connection. These elements support a healthy, self-sustaining watershed which can benefit the citizens and wildlife of this area for generations to come. This project demonstrates the compatibility of water conservation and flood protection with public access, recreational and educational amenities, and outstanding wildlife habitat.

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Stevens Creek before restoration (top) and after

Photos © Magdalena (above and center)

Photos courtesy of the City of Cupertino (above and left)



### Upper Las Positas Creek Restoration and Stormwater Management Project, Presented to the City of Santa Barbara Creeks Division

The Las Positas Creek Project converted five acres of asphalt, manicured turf, and degraded creek habitat into diverse wetlands, bioswales, and stormwater ponds that improve water quality and environmental stewardship, reduce pesticide and irrigation use, and recharge groundwater. This sustainable stormwater project retains and treats four million gallons of urban runoff, features over 12,000 native plants, and included over 1,500 students in planting and educational activities. The Las Positas Project also reduces peak 100-year flood flows from 278 cfs to 142 cfs. The stormwater basins also retain enough urban runoff to create wildlife wetlands that have persisted through one of the worst droughts in California's modern history. The project was built on a municipal golf course and an elementary school. These two land uses are ubiquitous throughout California and the project has elements that are scalable and can be replicated at other sites.

### OUTSTANDING STORMWATER BMP IMPLEMENTATION PROJECT OR PROGRAM

This award is for outstanding Best Management Practices (BMP) implementation.

### County Government Center Parking Lot Green Streets Urban Retrofit, Presented to the Ventura County Watershed Protection District

The County of Ventura Government Center provides 3,200 parking spaces located on 39 acres of impervious surfaces within a well-established urbanized area in the City of Ventura. The project replaced traditional concrete gutters with pervious concrete gutters

to capture, treat and infiltrate stormwater and dry weather flows generated within the parking lot. The innovative pervious gutter design incorporated pervious concrete atop infiltration trenches supplemented with dry wells. The intent was to minimize retrofit area for future maintenance, but at the same time maximize stormwater capture. Approximately 5,000 lineal feet of pervious gutters, 13,000 square feet of pervious concrete strips, and over 500 dry wells were constructed. This unique stormwater retrofit BMP has the potential to be replicated regionally and nationally to meet NPDES Municipal Stormwater Permit and Total Maximum Daily Load requirements, as well as provide groundwater recharge.

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From left: David Kirby, Ewelina Mutkowska, and Gerhardt Hubner, Ventura County Watershed Protection District; Awards Chair Jeff Endicott, CASC Engineering and Consulting



Ventura County Government Center parking lot site map with overall project improvements (see p. 20 for more information)



From left: Tim Burgess, Liz Smith, Jim Rumbley, and Jill Murray of the City of Santa Barbara accept the award for Outstanding Sustainable Stormwater Project from Awards Chair Jeff Endicott

Above: Upper Las Positas Creek two million gallon retention basin, newly planted; Inset, Adams School children with dirty hands from working on bioswale



© Magdalena (left); Courtesy of Ventura County (center)

Photos © Magdalena (above and top right)



Tim Burgess speaking on behalf of the City of Santa Barbara Creeks Division, awarded for Outstanding Stormwater BMP Implementation Project



Westside Neighborhood Center in Santa Barbara with impermeable asphalt surfaces before (top), now replaced with permeable pavers (bottom)

### Oak Park, Stevens Park, and Westside Neighborhood Center Stormwater Infiltration Project, Presented to the City of Santa Barbara Creeks Division

The Oak Park, Stevens Park, and Westside Neighborhood Center Storm Water Infiltration Project, consisting of six sites, was completed in 2013. The project replaced impermeable asphalt surfaces with permeable pavers. A total of 101,000 square feet of impermeable surface was removed and replaced with 86,000 square feet of permeable pavers. The remaining 15,000 square feet was reverted back to native soil coverage, with native vegetation planted in the riparian zones. The project improves water quality in city creeks by capturing and treating polluted runoff, restoring the natural hydrology of each site, and demonstrating how impervious area reduction can be accomplished throughout the city.

Pre- and post-project monitoring was performed to assess the project's effectiveness. Results showed that the project captured and treated 100 percent of the stormwater and its associated pollutants that fell on the sites. An extensive outreach program accompanied the project to demonstrate project benefits to the community. All goals for the project were met and the city will continue to monitor and maintain the sites to treat stormwater runoff in perpetuity.



Vic Bapna, California Watershed Engineering (left), and John Dettle, City of Torrance, accept the award for Outstanding Stormwater BMP Implementation Project from Awards Chair Jeff Endicott (right)



Amie Basin (top), Henrietta Basin (middle) and Entradero Basin (bottom) in Torrance

### Stormwater Basin and Treatment Wetlands Enhancement Design, Presented to the City of Torrance and California Watershed Engineering

The Stormwater Basin and Treatment Wetlands Enhancement Design project was developed to reduce bacteria levels in the Herondo Drain by improving water quality in the City's three stormwater basins: the Amie, Henrietta, and Entradero Basins. The project was designed to infiltrate, retain, and treat runoff, and recharge groundwater while enhancing wildlife habitat and recreational areas through the use of treatment wetlands, education, walking trails, and signage.

Two treatment wetlands and two infiltration basins were designed to retain, treat, and infiltrate stormwater runoff and address Santa Monica Bay TMDLs. Stormwater flows are infiltrated through these BMPs, reducing the volume discharged to the Herondo Drain and ultimately, Santa Monica Bay, and contributing to recharge of local groundwater aquifers. The infiltration basins and wetlands also provide flood control storage. The constructed wetlands are designed to treat stormwater using several consecutive shallow and emergent zones providing for pollutant removal through sedimentation, filtration, and plant uptake. Stormwater is used at the Amie and Henrietta Basins for to meet irrigation needs, reducing the potable water demand by approximately 2,800,000 gallons annually.

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Courtesy of the City of Santa Barbara (middle and bottom)

Courtesy of the City of Torrance (bottom three photos)

Photos © Magdalena (above, far left) and left)





Awards presentation at the 2015 CASQA Conference



From left, CASQA Ten Year Exhibitor Award Winners: Clearwater Solutions, Stewart McClure; Jensen Precast, Ron Anderson; SCI Consulting Group, John Bliss; REM, Marcel Sloane

## OUTSTANDING SERVICE AWARDS

CASQA could not exist without its many volunteers. Each year, the CASQA Board of Directors identifies volunteers that have provide outstanding service to the organization and recognizes said volunteers with and Outstanding Service Award. CASQA recognizes the following volunteers for their Outstanding Service in 2015:

- Daniel Apt – Training Subcommittee
- Jamison Crosby – Phase II Subcommittee
- Brian Currier – Training Subcommittee
- Ashli Desai – Nutrient Objectives Stakeholder Advisory Group Representative
- Cathleen Garnand – Phase II Subcommittee
- Matt Lentz – Industrial Subcommittee
- Ewelina Mutkowska – Nutrient Objectives Stakeholder Advisory Group Representative
- Armand Ruby – Water Quality Monitoring Council Representative
- Scott Taylor – Policy & Permitting Subcommittee
- Katharine Wagner – Industrial Subcommittee

## CONFERENCE EXHIBITOR RECOGNITION

The CASQA Awards Program expanded in 2014 to recognize exhibitors that have provided long-term support to the Annual Conference through participation in the exhibition showcase. CASQA recognizes the following conference Exhibitors for ten years of participation in the Exhibition Showcase:

- Clearwater Solutions Inc.
- Jensen Precast
- REM - Revel Environmental Manufacturing Inc.
- SCI Consulting Group

## CASQA AWARDS COMMITTEE

Special thanks go out to the CASQA Awards Committee:

- Karen Ashby, Larry Walker Associates
- Lisa Austin, Geosyntec Consultants
- Jeff Endicott, CASC Engineering and Consulting (Awards Committee Chairman)
- Sharon Gosselin, County of Alameda
- Cory Jones, SCS Engineers
- Jennifer Kaiser, Vallejo Sanitation & Flood Control District
- Anna Lantin, Michael Baker International
- Stephanie Reyna-Hiestand, City of Tracy

Photos © Magdalena





Photo © Magdalena (above)

The following describes some of initiatives that CASQA, in collaboration with others, has planned for 2016 to help our members and make progress towards the principles described in the CASQA Vision.

### CASQA'S STRATEGIC PLANNING

In late 2013, CASQA established an ongoing strategic planning process to guide its decisions and efforts as it continues to grow and develop as an organization. To start the process, the Board of Directors and Executive Program Committee identified the organization's three core values:

- Leadership
- Integrity (Credibility)
- Balance (Stewardship: Resources/ Environment)

The strategic planning process was used to define four types of 10-year goals or guiding purposes for CASQA:

- Set/Pursue Stormwater Vision
- Influence/Advocate/Educate
- Implement/Facilitate Solutions
- Grow Membership/Develop Leaders

Annually, the Board conducts a strategic planning exercise in which objectives with ties to the 10-year goals are developed for the coming year. The CASQA committees and subcommittees are then challenged to propose activities and projects for the new

year that address the annual objectives and therefore advance CASQA's efforts to meet its 10-year goals.

Some of the specific projects and activities that CASQA's EPC, Subcommittees, and contractors will be involved in during 2016 include:

- Beginning work to update the New Development BMP Handbook and convert it to a web portal format like the Construction and Industrial Handbooks;
- Updating technical specifications for LID BMPs, specifically bioretention facilities and pervious pavements;
- Preparing a white paper on "Financial Barriers to LID and Stormwater Program Development" and well as continued advocacy for new ways of funding local agencies' stormwater program activities;
- Continuing to track and comment on pesticide registration activities conducted by U.S. EPA and the California Department of Pesticide Regulation, to ensure pesticide evaluations include consideration of water quality impacts;
- Continuing to develop an Industrial General Permit Training Program (see below);
- Continuing to collaborate at the statewide level with other partner organizations (e.g., CSAC, League of Cities, and CASA) and at the national level with the National Municipal Stormwater Alliance.

### STORMWATER FUNDING

This past December, the stormwater coalition described in the Message from the CASQA Chair, led by the League of California Cities, CSAC, and ACWA, filed a constitutional amendment with the California State Attorney General. The constitutional amendment, if passed by the voters, would provide a new optional funding system to finance stormwater, flood control, sewer, and water projects. CASQA will definitely be following very closely the progress of this funding constitutional amendment.

### COLLABORATION WITH THE STATE WATER BOARD

#### State Water Board's Storm Water Strategy

On January 6, 2016, the State Water Board adopted its "Strategy to Optimize Resource Management of Storm Water" (Storm Water Strategy or STORMS). The strategy was developed with stakeholder involvement over a period of about 1½ years and will serve as a road map for State Water Board activities over a 12-year period. The overarching intent of the Storm Water Strategy is to establish the value of stormwater as a resource in California and encourage its application to beneficial uses. The strategy's vision is that "stormwater is sustainably managed and utilized in California to support water quality and water availability for human uses as well as the environment." The strategy contains a mission statement,

goals, objectives, and prioritized projects to implement the mission and achieve the vision. CASQA provided input, comments and testimony throughout the strategy development process to promote a statewide vision, mission, and projects that are compatible with CASQA's own *Vision and Strategic Actions for Managing Stormwater in the 21st Century* (January 2015).

CASQA looks forward to collaborating with State Water Board staff by participating on the Storm Water Strategy Implementation Committee and, in particular, providing input and/or assistance on the following near term projects:

- Promoting stormwater capture and use and identifying/eliminating barriers;
- Developing guidance for alternative compliance approaches for municipal stormwater permit receiving water limitations;
- Developing watershed-based compliance and management guidelines and tools;
- Eliminating barriers to funding stormwater programs;
- Establishing a statewide framework for urban pesticide reduction; and
- Identifying opportunities for source control and pollution prevention.

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### California Stormwater Quality Authority

As discussed in the Chair's Message, CASQA has been working on the formation of the "California Stormwater Quality Authority," through a Joint Powers Agreement among the Fresno Metropolitan Flood Control District, the Alameda County Flood Control and Water Conservation District, and the State Water Board. The Authority will facilitate the funding and conduct of stormwater research and implementation projects, such as BMP handbooks and training programs, benefitting both CASQA members and other stakeholders statewide. In December 2015, the State Water Board came close to considering a proposed resolution authorizing it to become a member of the Authority, but the decision has been postponed. It is hoped that this final step will be completed in early 2016.

### STATE WATER BOARD INITIATIVES

The State Water Board will likely be making substantial progress and moving forward in 2016 on a number of statewide plan/policy initiatives, including (in alphabetical order):

- Bacteria water quality objectives for ocean and inland surface waters
- Biological Integrity assessment implementation plan
- Industrial General Permit Amendment – TMDL implementation requirements
- Nutrient Numeric Endpoints tools

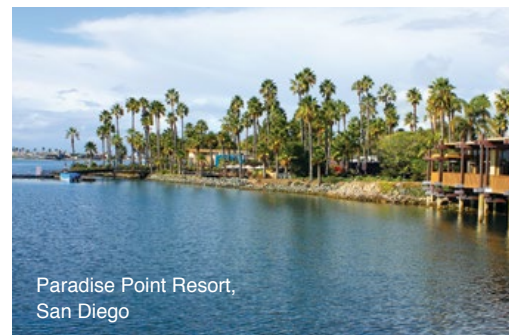
- Phase II Small MS4 Permit Amendment of Attachment G – TMDL implementation requirements
- Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan
- Trash Amendments – implementation requirements

CASQA will continue to track, participate as official stormwater representatives on advisory groups and otherwise engage with the State Water Board as these initiatives develop, and keep our members informed via the bi-weekly *CASQA Water Quality NewsFlash*. CASQA invites your participation through the appropriate CASQA subcommittee or CASQA representative.

### INDUSTRIAL GENERAL PERMIT TRAINING PROGRAM

The reissued State Industrial General Permit, which took effect on July 1, 2015, requires a Qualified Industrial Stormwater Practitioner to complete certain compliance activities. The State Water Board's Industrial General Permit Training Team (in which CASQA members participate) is busy developing the QISP training that will be provided by Industrial General Permit Trainers of Record. Over 130 Trainers of Record throughout the state were qualified by the Training Team during 2015, and they stand ready to provide the training once the QISP program is up and running. CASQA will administer the program and, along with its contractor

CSU Sacramento Office of Water Programs, will provide registration, database management, certificate issuance, and customer service. Look for announcements soon from the State Water Board and CASQA on the availability of QISP training starting in mid-2016.



### CASQA'S ANNUAL CONFERENCE

The 2016 CASQA Annual Conference will be held at the Paradise Point Resort in San Diego on September 12-14, 2016. As demonstrated by the 11th Annual Conference in Monterey in 2015, the CASQA Annual Conference is the best place for stormwater practitioners to keep up with the latest technical topics, exchange ideas, and network with others in the stormwater quality field. Planning for the conference has already begun; check the CASQA bi-weekly e-newsletters for abstract and award nomination submittal deadlines, registration deadlines, and other ways you can get involved. All are welcome to participate in the Conference Subcommittee, the monthly call times are posted on the CASQA website in the CASQA calendar.

### MEMBER INVOLVEMENT

For 2016, CASQA's Board of Directors will be considering how the organization can better serve its members. One example is how CASQA engages its members throughout the year. Currently, CASQA holds three quarterly General Meetings in different parts of the state, in addition to the Annual Conference, which include presentations on various topics of interest. One change being considered is to replace one of the in-person General Meetings with a webcast only meeting to reduce the cost and allow more members to attend.

One of the best ways for members to become involved in CASQA is by participating in one of our 14 Subcommittees (see page 6 of this annual report). The subcommittees oversee some of the most important technical, regulatory and policy work of the organization, and are also a great forum in which to learn how other members are addressing permit compliance and program implementation challenges.

If you have additional ideas or suggestions on how CASQA can better serve its members, please feel free to contact me. I encourage everyone to make a resolution for 2016 to get more involved in *your* stormwater organization!

*Jill Bicknell*  
2016 Chair-Elect



# SUBCOMMITTEE ACCOMPLISHMENTS



Following are brief reports from selected subcommittees of the EPC for 2015:

## BMPs SUBCOMMITTEE

Anna Lantin, Chair

The Best Management Practices Subcommittee continued to provide contemporary information for stormwater practitioners on BMPs and LID through the *CASQA BMP Online Handbooks* and web portals. In 2015, the BMP Subcommittee provided: (1) annual updates to the *Construction BMP Online Handbook* focused on erosion and sediment control BMP and the “Sediment Basin BMP” factsheet; (2) ongoing assistance to the subscribers on the use of the *Industrial and Commercial BMP Online Handbook* and tools to assist dischargers and business owners comply with the State Industrial General Permit; (3) enhancements to the LID web portal with “Bioretention BMP” factsheet, standard plans, and specifications; (4) technical workshops and sessions on BMPs, Green Infrastructure, and LID at the annual conference; (5) feedback to the State Board on BMPs that could qualify as full capture consistent with the requirements of the Statewide Trash Policy. In the upcoming year, the BMP Subcommittee will focus on updates to the *CASQA BMP Online Handbooks* (including site design, new development/ redevelopment requirements, harvest and use BMPs, LID measures, and hydromodification) to continue to provide state-of-the-art practices and technical information to CASQA members and other interested parties.

“THE CASQA BMP HANDBOOKS are widely used by the stormwater practitioners, the regulated communities, and the regulators. The large number of *CASQA BMP Handbook* subscribers is verification of meeting our measurable objective of providing implementation guidance and educational outreach to our members. The *CASQA BMP Handbooks* are referenced in many California NPDES permits as the go-to guidance...we make a difference!”

– ANNA LANTIN



## CONFERENCE SUBCOMMITTEE

Lisa Austin and Sharon Gosselin, Co-Chairs

### CASQA 11th Annual Conference Stormwater – Are We Making a Difference?

Congratulations to the CASQA Conference Subcommittee for making CASQA's 11th Annual Conference such a smash! The conference was held on October 19-21, 2015 at the Resort at Hyatt Regency in Monterey, California. With over 800 attendees, sponsors and exhibitors in attendance, it was another record-breaking year.

The program was packed with technical, scientific, stormwater management and regulatory topics presented by some of the most influential and experienced people in the stormwater field as well as a wide variety of stormwater products and services featured by highly informative and innovative exhibitors.

Highlights of the 2015 CASQA Conference:

- The program was incredible with over 90 workshops, field trip, technical presentations, a Trainer of Record Forum, a full conference poster session, and 46 stormwater focused exhibitors.

(continued on next page)

Scenes from the 2015 Annual Conference

© Magdalena (center photos and above)





Photo © Magdalena (above)

**“INSPIRING,’ ‘MOTIVATING’ AND ‘BEYOND INFORMATIVE’** are just a few words attendees used to describe the 2015 CASQA Conference. What made the conference such a huge success? Hands down, our incredible team of volunteers that make the CASQA Conference Subcommittee.”

– LISA AUSTIN AND SHARON GOSSELIN

- David L. Sedlak, this year’s keynote speaker, inspired us with his presentation “Is There Room for Stormwater in the Fourth Urban Water Revolution?” highlighting the need to view and use stormwater as a resource.
- Monday evening’s networking event at the Monterey Bay Aquarium was, in a word, SPECTACULAR!
- Blue Ribbon CASQA Awards were announced and award winners offered special presentations on award winning project and programs.

CASQA’s Annual Conference would not be possible without the amazing time and effort of the many dedicated volunteers that participate in the Conference Subcommittee, meeting monthly, throughout the year, to plan and organize the event.

## CONSTRUCTION SUBCOMMITTEE Sandy Mathews, Chair

The Construction Subcommittee is an active forum for CASQA members and industry professionals to share information on Construction General Permit implementation challenges and tracking changes in state and federal policy and regulations. In 2015 bi-monthly subcommittee meetings were well attended by CASQA members and industry professionals seeking to improve their understanding of permit implementation. Meetings featured discussions with regulators to discuss common deficiencies observed by inspectors at construction sites. Subcommittee members served in liaison roles to other CASQA subcommittees (Training, BMPs) and initiated outreach to external organizations with similar interests. Construction Subcommittee members were instrumental in advocating and coordinating construction focused sessions at the annual CASQA conference including; a construction technical track, a pre-conference field tour, a CGP “Ask the Regulator” session, and forums for CGP Trainers of Record and QSDs and QSPs.

The “Stormwater Effectiveness Assessment” web portal

## EFFECTIVENESS ASSESSMENT SUBCOMMITTEE

Jon Van Rhyn and Karen Ashby, Co-Chairs

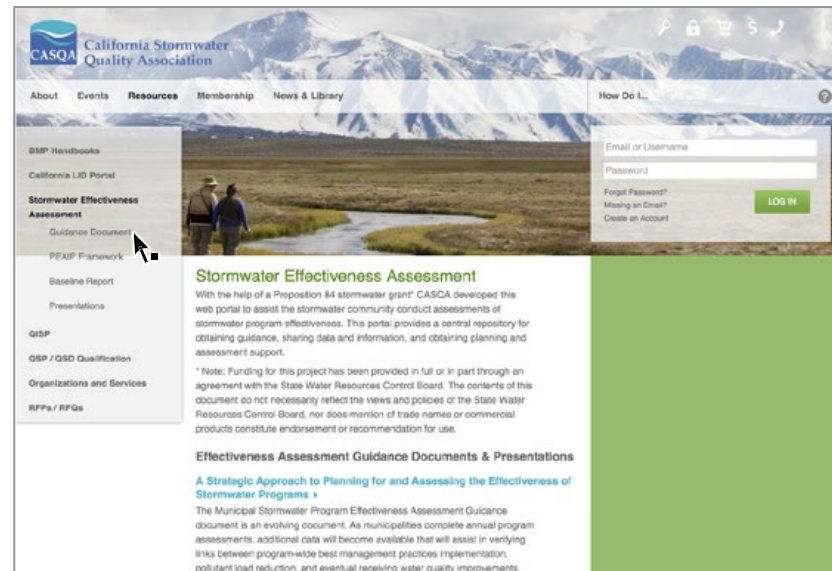
The Effectiveness Assessment Subcommittee was successful in developing a number of effectiveness assessment guidance documents and tools during 2015.

The key accomplishments are as follows:

- **EA Web Portal** - With the assistance of a Proposition 84 stormwater grant, the subcommittee developed the “[Stormwater Effectiveness Assessment](#)” web portal in January 2015 to assist the stormwater community in conducting assessments of stormwater program effectiveness. The web portal provides a central repository for

obtaining guidance, sharing data and information, and obtaining planning and assessment support. It houses all of the deliverables that have been completed by the subcommittee as well as other Program Effectiveness Assessment (PEA)-based resources.

- **Strategic Approach to Planning for and Assessing the Effectiveness of Stormwater Programs** – In February 2015, the subcommittee successfully updated its 2007 PEA guidance document. This new document expands on previous content by introducing a strategic and comprehensive approach to addressing measurement and assessment during the planning stages of municipal stormwater programs. *(continued on next page)*





- *Program Effectiveness Assessment and Improvement Plan (PEAIP) Frameworks* – In April 2015, the subcommittee developed PEAIP Frameworks for Phase II programs. These frameworks provide a recommended structure and approach that is consistent with the Strategic Approach. They are intended to provide statewide consistency for the traditional and non-traditional PEAIPs and a customizable, user-friendly format for agencies to use as they develop their individual documents.

The Effectiveness Assessment Subcommittee also held three free webinars during 2015:

- *Program Effectiveness Assessment and Implementation Plan (PEAIP) Frameworks* (April 2015) – This webinar presented the documents that were developed to assist the Phase II community with the development of their PEAIPs. Over 100 people participated.
- *Introduction to Strategically Planning and Assessing Stormwater Programs* (June 2015) – This webinar presented the new Strategic Approach to Planning for and Assessing the Effectiveness of Stormwater Programs developed by CASQA and its application in stormwater programs. This webinar is available for viewing on the CASQA “Stormwater Effectiveness Assessment” web portal.

- *Lessons Learned from PEA Development and Implementation* (December 2015) – This webinar featured four case studies from Phase I, Phase II Traditional, and Phase II Non-Traditional stormwater communities as to how they have utilized effectiveness assessment within the context of their stormwater program. The primary focus of the webinar was lessons learned as they may relate to the future assessment of Phase I and II programs. This webinar is available for viewing on the CASQA “Stormwater Effectiveness Assessment” web portal.

## INDUSTRIAL SUBCOMMITTEE

**Matthew Lentz and Katharine Wagner,  
Co-Chairs**

California's long awaited Industrial General Permit became effective on July 1, 2015. The Industrial Subcommittee put significant effort into helping dischargers prepare for the effective date and the ensuing implementation phase of the Permit. The subcommittee coordinated numerous calls and meetings with the State Water Board staff to address questions and help disseminate information to dischargers both before and after the effective date of the Permit. During 2015, membership in the subcommittee continued to expand, with more than 150 current members, and as many as 40-50 participants on many conference calls.

As we approach mid-year of the first reporting year under the new Permit, the Industrial Subcommittee is focused on important aspects related to implementation and addressing common issues identified by dischargers. We expect to have a similar focus in 2016, particularly when many dischargers begin to exceed numeric action levels and prepare exceedance response action reports.



## PESTICIDES SUBCOMMITTEE

**Dave Tamayo and Delyn Ellison-Lloyd,  
Co-Chairs**

The Pesticides Subcommittee made significant progress, especially at the state level, toward CASQA's vision of proactive mitigation of pesticide impacts through the pesticide regulatory process. The subcommittee's activities and

accomplishments are documented in detail in the *Pesticides Subcommittee Annual Report and Effectiveness Assessment 2014-2015*.

A key strategic success was the inclusion of the project entitled “Establish Statewide Framework for Urban Pesticide Reduction,” as an immediate implementation project, in the State Water Board's Storm Water Strategy. Through this project, the State Water Board is poised to develop, during 2016, an approach for urban-use pesticides consistent with CASQA's vision for pesticide mitigation. DPR and the Water Boards have also begun coordinate more closely on their Management Agency Agreement, and in statewide pesticide surveillance monitoring.

An important result of CASQA's involvement is active engagement by DPR to address current urban pesticide problems. For instance, DPR is working to achieve high compliance rates by licensed applicators with its pyrethroid use regulations, including a pilot project of focused applicator training, and efforts to improve the compliance inspection process conducted by the County Agricultural Commissioners. DPR has also begun efforts to mitigate observed fipronil water pollution in urban areas and expects to complete a rulemaking for that purpose during 2016, which would represent a significant concrete action taken by DPR prior to 303d listings for fipronil in the state. *(continued on next page)*

# SUBCOMMITTEE ACCOMPLISHMENTS (CONT.)



An important development at the federal level is that the EPA Office of Pesticide Programs has committed to an accelerated and coordinated registration review of pyrethroids as a class, although it has not yet committed to utilizing the best evaluation methods as recommended by CASQA. The Pesticides Subcommittee will continue to work for improvements at the federal level, and anticipate that our recent progress with DPR and the State Water Board will help with that effort.

## PHASE II SUBCOMMITTEE

**Cathleen Garnand and Kim Porter, Co-Chairs**

2015 marked “Year 2” of the Phase II Small MS4 General Permit, and subcommittee members were busy figuring out the permit writer’s intentions and comparing notes on how to best implement the permit requirements. The Phase II Subcommittee’s monthly conference calls are very popular, typically with 25-30 participants and lively discussions. These calls provide a much-needed forum to discuss topics related to permit implementation. These regular meetings support both traditional (e.g. municipalities) and non-traditional (e.g. universities, institutions, etc.) by connecting members, sharing ideas, and presenting new tools. We tap into statewide issues and also learn what’s happening at the different Regional Boards. One of the goals of the subcommittee is to provide training opportunities. Working with the Training Subcommittee, conference workshops and webinars will be offered.

## POLICY AND PERMITTING SUBCOMMITTEE

**Scott Taylor and Matt Yeager, Co-Chairs**

The Policy and Permitting (P&P) Subcommittee had a very busy agenda for 2015. We started the year with the LA MS4 Permit State Water Board Petition workshop in January. CASQA provided testimony, and the P&P Subcommittee assisted in the preparation of comments. The LA MS4 Permit was a continued topic throughout 2015. This was followed by the State Board Trash Amendment, and the EPA’s Waters of the U.S. rulemaking. Both of these items were landmark (who knows where WOTUS goes at this point), and again the P&P Subcommittee lead the comments on these items for CASQA.

The State Board’s Stormwater Strategic Plan began occupying our time at the beginning of the summer. The subcommittee assisted CASQA in providing comments on this important document. EPA’s water quality standards rule, and watershed plans, RWL, alternative compliance, interim compliance, and regional stormwater permits in San Diego and the Bay area completed the year. The Municipal Regional Permit included NELs for PCBs and Mercury, another first for California.

We appreciate the strong support we received for the subcommittee throughout 2015, and look for your assistance in 2016 as stormwater programs and requirements continue to advance.

## TRAINING SUBCOMMITTEE

**Daniel Apt and Brian Currier, Co-Chairs**

The Training Subcommittee continued to support the State Water Board to develop Qualified Industrial Storm Water Practitioner training as required by the Industrial General Permit. Major milestones accomplished by CASQA include:

- Developed and issued two Requests for Qualifications (RFQs) for QISP Trainers of Record; reviewed Statements of Qualifications (SOQs) and qualified 134 QISP ToRs with the first RFQ, and began reviewing SOQs for the second RFQ.

- Contracted for services to develop the QISP Learning Management System (LMS) to allow QISP candidates to accomplish most of their training online and at their own pace.

The Training Subcommittee continued to support the State Water Board with facilitation and participation of the Construction General Permit Training Team. Major milestones accomplished by CASQA include:

- Issued an RFQ for CGP Trainers of Record; reviewed SOQs and qualified 8 new CGP ToRs.
- Update the training curricula for the CGP training program.
- Held two CGP ToR Renewal Webinars, and renewed the majority of the existing CGP ToRs.

The Training Subcommittee also assisted with CASQA’s Prop 84 Grant to remove barriers to LID in municipal codes with training related to LID and municipal code updates and related updates to CASQA’s “California LID” web portal. *(continued on next page)*



Glen Echo Creek Restoration in Oakland, CA



# SUBCOMMITTEE ACCOMPLISHMENTS (CONT.)



Photo © Magdalena (above)

## WATERSHED MANAGEMENT AND IMPAIRED WATERS SUBCOMMITTEE

**Karen Cowan, Amanda Carr and Richard Watson, Co-Chairs**

During 2015, the Watershed Management and Impaired Waters Subcommittee continued work initiated in 2014 with the Department of Toxic Substances Control (DTSC) on regulations to implement SB 346, tracking proposed legislation that would impact implementation of SB 346. The subcommittee monitored the State Water Board's Proposed Amendments for Trash Control and how the amendments, once adopted, would impact trash TMDLs and other regulatory instruments to which member agencies are already subject. The subcommittee tracked the Los Angeles Region's Watershed Management Programs (WMPs) and Enhanced Watershed Management Programs (EWMPs), as well as the region's copper Water Effects Ratio (WER) and zinc recalculation for the Los Angeles River. Subcommittee members reported on the evolution of TMDLs across the state, and reviewed the 303(d) List portion of the *2012 California Integrated Report* with respect to the way State Board staff evaluated pesticide listings.

The subcommittee heard an update from the Pesticide Subcommittee regarding work on pesticide products used in storm drains and the need to communicate with the Regional Boards on this issue. The subcommittee

submitted for Executive Board approval the zinc study, a work product developed by Kelly Moran. The subcommittee coordinated with Anna Lantin, Chair of the BMP Subcommittee, regarding trash BMPs that would help CASQA members comply with Statewide Trash Amendments and trash TMDLs across the state, and reviewed the BMP comment letter submitted by CASQA to request additional full capture device certification.

The subcommittee also continued to strengthen its working relationship with the California Product Stewardship Council (CPSC) to further explore our abilities to assist each other with mutually beneficial true source control efforts. Additional work for the year included: review of the Statewide Water Contact Recreation Bacteria Objectives; updates on the San Diego Regional Permit WQIPs, the Ventura County Permit renewal process, the Central Valley Phase 1 Permits, the Bay Area Tentative Order, and the outcome of NRDC petitions on EWMPs and WMPs in the Los Angeles Region; review of the EPA settlement on selenium and mercury; discussion of the State Board's Strategic Initiative and the National Selenium Criteria; review of the State Board's Draft Stormwater Resource Plan Guidelines.

Subcommittee Co-Chair Karen Cowan announced her resignation in September 2015, and Amanda Carr was nominated and confirmed as her replacement.

## WEBSITE SUBCOMMITTEE

**Stephanie Reyna-Hiestand, Chair**

In 2015 the Website Subcommittee further developed the "Stormwater Effectiveness Assessment" section of the website with its four sub-pages. Website visitors can find information on the *Municipal Stormwater Program Effectiveness Assessment Guidance* document, the *CASQA Program Effectiveness Assessment and Improvement Plan (PEAIP) Framework*, the *Effectiveness Assessment Baseline Report*, and view or download PDFs of three webinars held in 2014 and 2015 (see p. 15 for more details).

In 2015, we have also developed the initial framework for the "Qualified Industrial Storm Water Practitioner Training" section of the website (*Figure 1*). This has included information and facilitation of the RFQ process for applicants to become a California Industrial General Permit Trainer of Record for the official IGP QISP training course.

In addition, we added a section to the website for current Requests for Proposals (RFP), and Requests for Qualifications (RFQ) that are not solicitations for CGP and IGP Trainers of Record (*Figure 2*).

Finally, we added a Public Documents page to the "News & Library" section for resource material that can be accessed by both CASQA members and non-members (*Figure 3*). The other areas of the "News & Library" section are for CASQA members only (e.g., Bi-Weekly Update, *Water Quality NewsFlash*, Member Library, Member Forum).

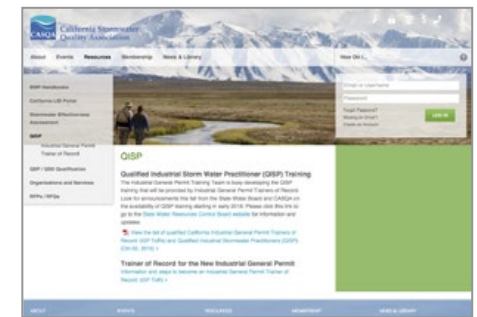


Figure 1

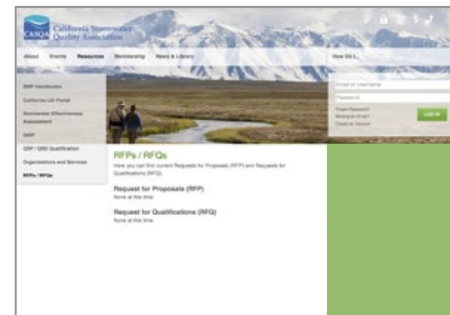


Figure 2

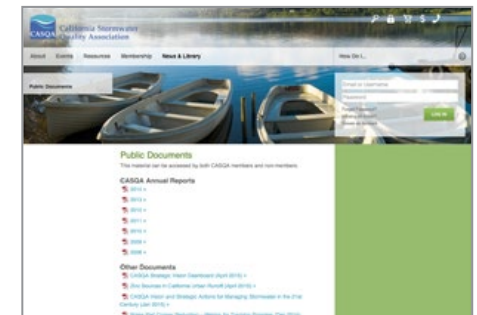


Figure 3



## VENTURA COUNTYWIDE STORMWATER QUALITY MANAGEMENT PROGRAM

In 1992 the concept of a single countywide Stormwater Permit was launched in Ventura County even though the Phase 1 rule applied to only one of the ten cities in the County. Through foresight and leadership the cities of Camarillo, Fillmore, Moorpark, Ojai, Oxnard, Port Hueneme, Ventura, Santa Paula, Simi Valley, and Thousand Oaks, the County of Ventura (representing the unincorporated communities of Piru, Saticoy, El Rio, Oak Park, Newbury Park, Meiners Oaks, Oak View, and Casitas Springs), along with the Ventura County Watershed Protection District, collectively applied for a countywide Stormwater Permit. These agencies also joined in an implementation agreement to use the Watershed Protection District's Benefit Assessment to finance stormwater activities and program efforts such as the Ventura Countywide Stormwater Quality Management Program (VCSQMP).

With 825,000 people over 1,200,000 acres (1,843 square miles), the county still has a strong rural characteristic dominated by open space and agriculture. These areas have been protected by the voters with rules that guide future development, reduce sprawl, and provide incentives for infill and redevelopment. Almost the entire north half of the County is in the Los Padres National Forest, and 42 miles of beautiful Pacific Ocean coastline forms the southwestern boundary.

### VENTURA COUNTY BY THE NUMBERS:

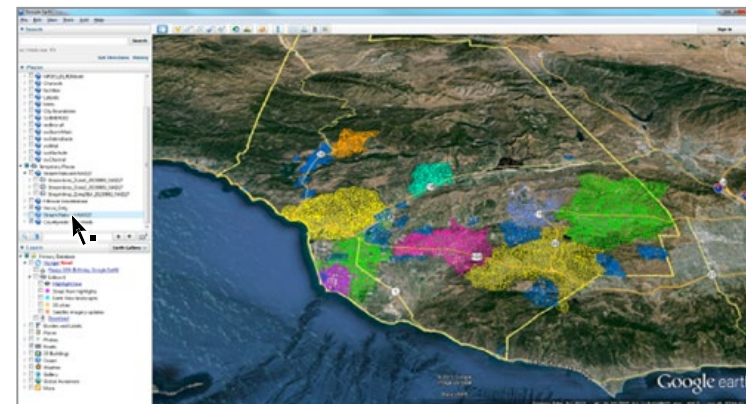
- 4 watersheds plus coastal areas
- 10 TMDLs
- 42 miles of coastline
- 300 miles of channels
- 900 miles of storm drains
- 4000 outfalls
- 22,500 inlets
- 1,843 square miles, 46% National Forest
- 823,000 people
- \$19,000,000 average annual countywide stormwater budget

In the over 20 years since the VCSQMP was created, the program has accomplished many notable achievements:

- **Nationally Recognized** – Winner of the 2003 EPA Clean Water Act Recognition Award for Stormwater Management Excellence.
- **Outstanding Beach Water Quality** – Ventura County beaches continually top Heal the Bay's "Annual Beach Report Cards" with Ventura County Beaches receiving "A" grades for summer and winter dry weather, and 85% "A" grades during wet weather.

- **Ventura Countywide Unified Storm Drain GIS Map** – Integrating all available storm drain information from all Permittees, including technical restrains to infiltrating, this tool forms the foundation for identifying stormwater treatment and capture projects opportunities while providing regional understanding of challenges when planning TMDL implementation projects at the watershed scale.
- **Monitoring** – The program began monitoring specific land uses in 1993, receiving water in 2001, and since 2010 has monitored wet and dry runoff from representative outfalls of each Permittee. These data have helped identify priority pollutants and trends, and have led to several special studies:
  - » *Aluminum Background Study* – New sampling and analysis of historical data helped identify sources of aluminum found in notably high levels in natural sediments and stream flows.

- » *Data Visualization Tool* – A web-based tool presents results in graphical form and provides public access to all the program's water quality data.
  - » *Water Quality Index* – The over 200 constituents monitored are distilled into an easy to communicate index that highlights pollutants of concern in outfall and receiving waters. This in turn prioritizes program activities.
  - » *Bacteria Source Markers* – Studies to quantify human, dog, and bird genetic markers in MS4 outfalls, receiving waters, and background sites are underway. Additional studies are planned for horse and cattle markers. The results will help identify controllable sources of indicator bacteria, and assess the risk to human health.
- (continued on next page)*



Screen shot of countywide storm drain information in a single database



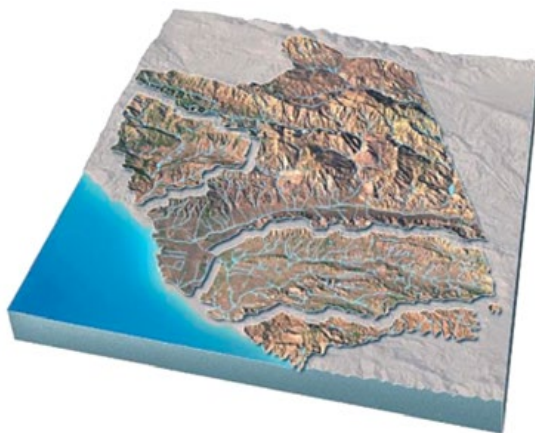
- **Low Impact Development** – In 2011, LID requirements for new development and redevelopment were incorporated into a Revised Technical Guidance Manual that includes an electronic application tool for project proponents to calculate retention volumes.
- **Watershed Groups** – The Permittees are leaders in their local Watershed Groups addressing TMDLs. These groups represent a broader coalition and include agriculture, Caltrans, and the U.S. Navy among others. Together they have made significant progress in addressing receiving water issues from diverse sources of pollutants.

- **Coastal Cleanup Day Coordination** – Led by VCSQMP, a coalition of agencies, businesses and NGOs help thousands of volunteers clean Ventura County beaches every year.

Individually the Ventura County Permittees have routinely taken initiative to go beyond permit compliance to be at the forefront of stormwater management. Here are just a few examples:

- **Government Center Parking Lot Green Streets Retrofit Project** – Winner of the 2015 CASQA Outstanding Stormwater BMP Implementation Project. Nuisance flows and the first flush from 39 acres of impervious area now recharge groundwater with this innovative low-cost design of pervious gutters. This project also received 2015 awards from APWA, and ASCE. [More project information and design plans are available.](#)

The Watersheds of Ventura County east to west: Ventura River, Santa Clara River, Calleguas Creek, and Malibu Creek

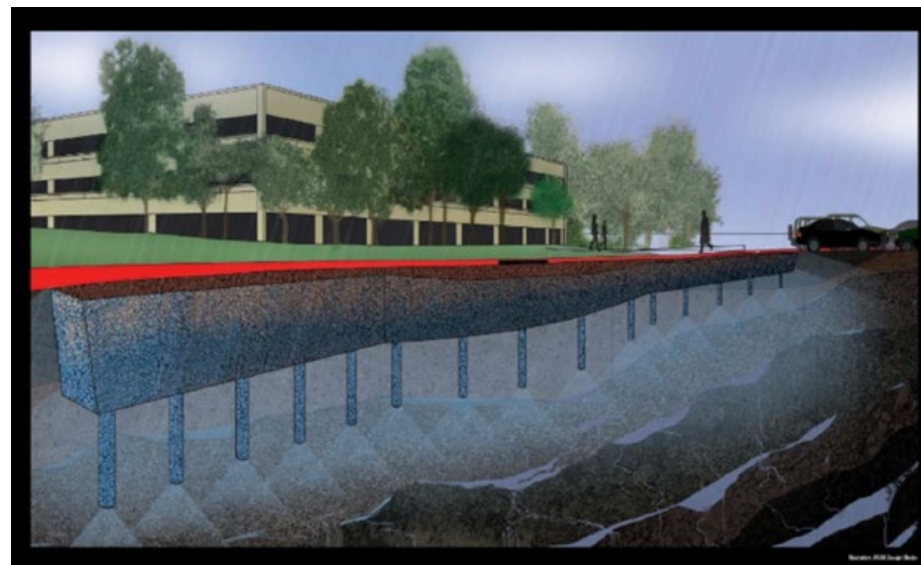


- **City of Ventura Storm Drain Diversions** – Nuisance flows and the first flush from the downtown area are sent to the sanitary sewer system by three storm drain diversions. Located along the coastal promenade by the Ventura Pier they protect water quality at one of Ventura's most popular beaches.
- **The City of Thousand Oaks' Newbury Gateway Park** – Partnering with the Conejo Recreation and Park District the City created a multi-benefit bioretention project at Newbury Gateway Park that now treats runoff and nuisance flow from 120 acres while maintaining the park's beneficial use and aesthetics.

## ACTIVE IN CASQA

Gerhardt Hubner of the Ventura Countywide Stormwater Quality Management Program has had a seat on CASQA's Board of Directors since 2010, and is currently the Chair. Other program staff currently co-chairs the Monitoring and Science Subcommittee (Arne Anselm), represents MS4s on the state's Nutrient Objectives Stakeholder Advisory Committee (Ewelina Mutkowska), and continually provides speakers to CASQA's Annual Conference.

Learn more at the newly redesigned [VCSQMP website](http://www.vcsqmp.org) and our general public site: [www.cleanwatershed.org](http://www.cleanwatershed.org)



Government Center Parking Lot Green Street Retrofit showing the infiltration of runoff through pervious gutters and dry wells

© Hübner | Dreamstime.com - Wetland Photo

Illustrations courtesy of Ventura County



# APPENDIX A FINANCIAL SUMMARY

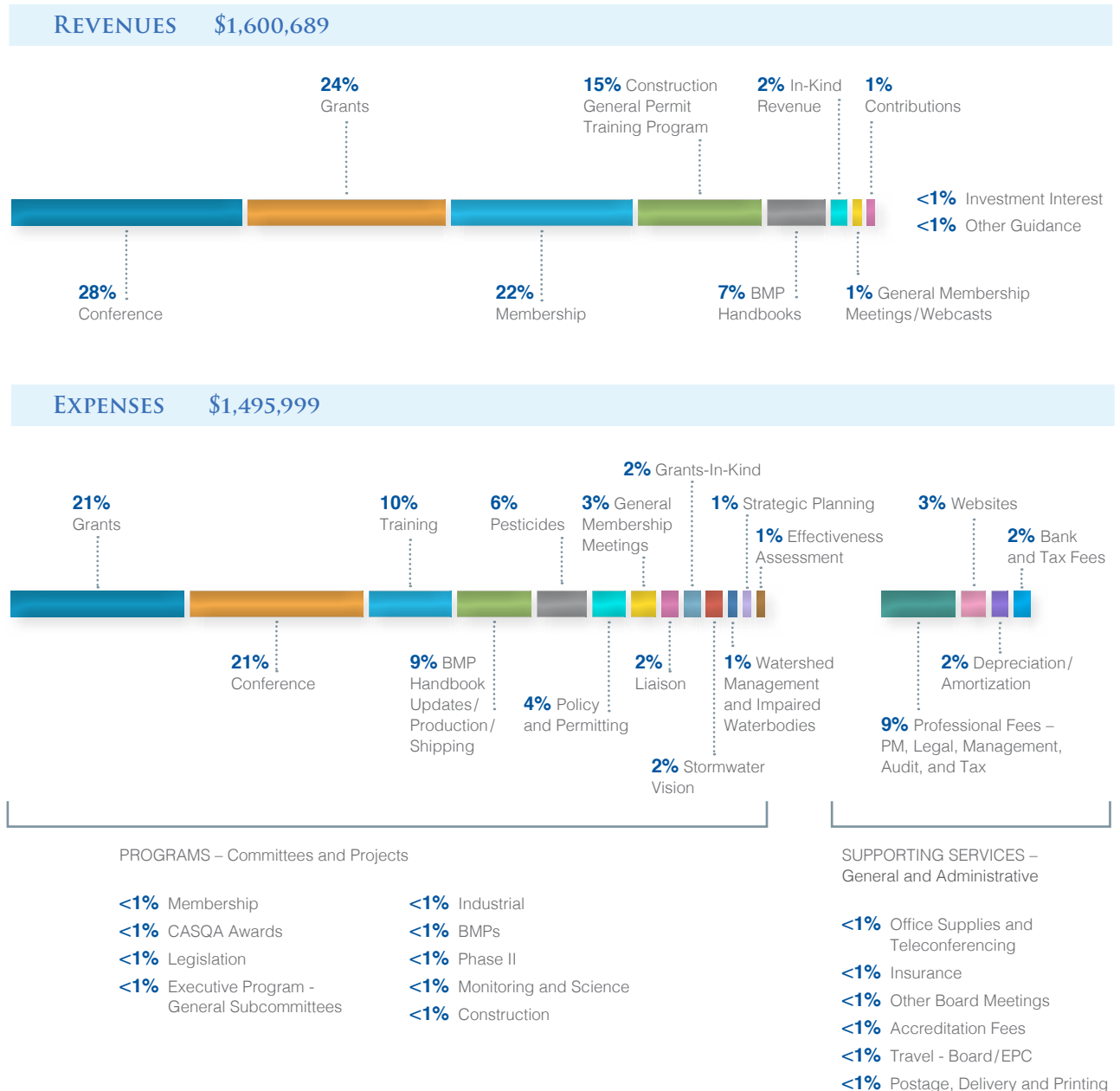
The California Stormwater Quality Association was incorporated as a non-profit organization in the state of California on July 26, 2002 to assist entities that are charged with stormwater quality management responsibilities for the development and implementation of stormwater quality goals and programs within the state of California. Operations commenced January 1, 2003.

CASQA is organized and operated exclusively for charitable and educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code. CASQA follows Financial Accounting Standards Board Statement (SEAS) No. 117, Financial Statements of Not-for-Profit Organizations, for presentation of its financial statements.

The financial summary for the year ended December 31, 2014 is drawn from the *REPORT ON AUDIT OF FINANCIAL STATEMENTS* for the year ended December 31, 2014 (Burr, Pilger & Mayer, LLP).

## STATEMENT OF ASSETS AND LIABILITIES

|             |            |
|-------------|------------|
| REVENUES    | \$ 733,621 |
| LIABILITIES | \$ 397,214 |
| NET ASSETS  | \$ 336,407 |





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### BOARD OF DIRECTORS

**Gerhardt Hubner** – Chair  
*Ventura County Watershed Protection District*

**Jill Bicknell** \* – Vice-Chair  
*Santa Clara Valley Urban Runoff Pollution Prevention Program*

**Erica Ryan** – Treasurer  
*Stepping Stone Permit Compliance*

**Daniel Apt** \*\* – Executive Program Coordinator  
*Michael Baker International*

**Stephanie Reyna-Hiestand** \* – Secretary  
*City of Tracy*

**Richard Boon** \*  
*County of Orange*

**Amanda Carr** \*  
*City of Irvine*

**Brian Currier** \*\*  
*CSUS Office of Water Programs*

**Jeff Endicott** \*\*  
*CASC Engineering and Consulting*

**Matt Fabry**  
*San Mateo Countywide Water Pollution Prevention Program*

**Sandy Mathews** \*\*  
*Larry Walker Associates*

**Geoff Brosseau**  
*Executive Director*

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Vice Chair / EPC Chair  
*Santa Clara Valley Urban Runoff Pollution Prevention Program*

**Anna Lantin** †  
BMPs Chair, *Michael Baker International*

**Lisa Austin** † / **Sharon Gosselin**  
Conference Co-Chairs  
*Geosyntec / Alameda Countywide Clean Water Program*

**Sandy Mathews** \*\* / **Melanie Sotelo** †  
Construction Co-Chairs,  
*Larry Walker Associates / CASC Engineering and Consulting*

**Jon Van Rhyn** / **Karen Ashby** †  
Effectiveness Assessment Co-Chairs  
*San Diego County / Larry Walker Associates*

**Matt Lentz** † / **Katharine Wagner** †  
Industrial Co-Chairs,  
*GSI Environmental / Attorney*

**Darcy Kuenzi** / **Matt Fabry**  
Legislation Co-Chairs,  
*Riverside County Flood Control and Water Conservation District / San Mateo Countywide Water Pollution Prevention Program*

**Arne Anselm** / **Brian Laurenson** †  
Monitoring and Science Co-Chairs  
*Ventura County Watershed Protection District / Larry Walker Associates*

**Dave Tamayo** / **Delyn Ellison-Lloyd**  
Pesticides Co-Chair and Representative to DPR Pest Management Advisory Committee / Pesticides Co-Chair  
*County of Sacramento / City of Roseville*

**Kim Porter** / **Cathleen Garnand**  
Phase II Co-Chairs  
*Cal Poly San Luis Obispo / Santa Barbara County*

**Scott Taylor** † / **Matt Yeager** †  
Policy and Permitting Co-Chairs  
*Michael Baker International / Yeager Environmental Consulting*

**Sharon Gosselin**  
Public Information / Public Participation Chair,  
*Alameda Countywide Clean Water Program*

**Daniel Apt** \*\* / **Brian Currier** \*\*  
Training Co-Chairs,  
*Michael Baker International / CSUS Office of Water Programs*

**Richard Watson** † / **Karen Cowan** †  
Watershed Management and Impaired Waters Co-Chairs, *Richard Watson & Associates / Larry Walker Associates*

**Stephanie Reyna-Hiestand** \*  
Website Chair, *City of Tracy*

**Maureen Daggett** †  
Fee Stakeholder Group Representative, *ECMS*

**Matt Yeager** † / **Ruth Kolb** †  
Sediment Quality Advisory Committee Representative,  
*Yeager Environmental Consulting / City of San Diego*

**Amanda Carr** \*  
Nutrient Numeric Endpoint Coastal Stakeholder Advisory Group Representative, *City of Irvine*

**Armand Ruby** †  
Water Quality Monitoring Council Representative  
*Armand Ruby Consulting*

**Ruth Kolb** / **Chris Sommers** † / **Karen Ashby** †  
Biological Objectives Stakeholder Advisory Group Representatives  
*City of San Diego / EOA, Inc. / Larry Walker Associates*

**Ewelina Mutkowska** / **Ashli Desai** †  
Nutrient Objectives Stakeholder Advisory Group Representatives  
*County of Ventura / Larry Walker Associates*

### EXECUTIVE PROGRAM COMMITTEE AT-LARGE MEMBERS

**Paul Alva** / **Frank Wu**  
*Los Angeles County*

**Kevin McGillicuddy** †  
*Roscoe-Moss*

**Mark Grey** † / **Kathryn Hubbard** †  
Building Industry Association of Southern California

**Mack Walker** †  
*Larry Walker Associates*

**Kelly Moran** †  
*TDC Environmental, LLC*

**Daniel Rourke**  
*Fresno Metropolitan Flood Control District*

### EXECUTIVE PROGRAM COMMITTEE EX OFFICIO MEMBERS

**Richard Boon** \*  
*County of Orange*

**Jeff Endicott** \*\*  
*CASC Engineering and Consulting*

**Scott McGowen**  
*California Department of Transportation*

FOR MORE INFORMATION ON CASQA DIRECTORS, STAFF AND COMMITTEES, PLEASE VISIT OUR [BOARD AND COMMITTEES PAGE ON THE CASQA WEBSITE.](#)

*Member affiliations listed in italics*

\* EPC members also on the Board of Directors (minimum 2 required)

† EPC members who are affiliate members (minimum of 1/3 of filled vacancies required)



FOLLOWING IS A LIST OF THE 18 COMMENT LETTERS/ BRIEFS, 1 SUBCOMMITTEE REPORT, AND 5 INSTANCES WHEN TESTIMONY WAS PROVIDED BY CASQA DURING 2015. COMMENT LETTERS AND OTHER MATERIALS ARE AVAILABLE TO CASQA MEMBERS ON THE CASQA WEBSITE, OR MAY BE OBTAINED BY CONTACTING US AT [INFO@CASQA.ORG](mailto:INFO@CASQA.ORG).

## EXECUTIVE DIRECTOR

September 10, 2015 – Comments to State Water Board on FY 15-16 stormwater permit fees

## BMPs SUBCOMMITTEE

September 14, 2015 – Comments to State Water Board on Statewide Trash Amendments - Assessment and Acceptance of Best Management Practices as Full Capture Systems

## INDUSTRIAL SUBCOMMITTEE

July 31, 2015 – Comments to State Water Board on Submittal Deadline Extension for IGP

## PESTICIDES SUBCOMMITTEE

February 17, 2015 – Comments to EPA on Triclopyr Registration Review

March 31, 2015 – Comments on public notice and information access for DPR registration decisions

April 30, 2015 – Comments to DPR on Registration Applications – Storm Drain Products

August 12, 2015 – *CASQA Pesticides Subcommittee Annual Report and Effectiveness Assessment 2014-2015*

October 9, 2015 – Comments to EPA on Chlorfenapyr Proposed Interim Registration Review Decision

December 8, 2015 – Comments to DPR on Registration Application – Oblitiroot Dichlobenil Storm Drain Product

## PHASE II SUBCOMMITTEE

July 31, 2015 – Comments to State Water Board on administrative draft of the proposed Amendment to Attachment G of the Small MS4 General Permit

## POLICY AND PERMITTING SUBCOMMITTEE

January 19, 2015 – Comments to State Water Board on the Proposed Order *In Re Petitions Challenging 2012 Los Angeles Municipal Separate Storm Sewer System Permit (Order No. R4-2012-0175)*

January 30, 2015 – Further Comments to EPA on Proposed Rule-NPDES Electronic Reporting Rule

February 20, 2015 – Comments to State Water Board on Informational Document for Scoping Proposed Statewide Bacteria Objectives Amendments

April 7, 2015 – Testimony to State Water Board on Proposed Statewide Trash Amendments

June 2, 2015 – Comments to State Water Board to *A-2236(a)-(kk) In Re Petitions Challenging 2012 Los Angeles MS4 Permit (Order R4-2012-0175)*

June 16, 2015 – Testimony to State Water Board to *A-2236(a)-(kk) In Re Petitions Challenging 2012 Los Angeles MS4 Permit (Order R4-2012-0175)*

July 27, 2015 – Comments to State Water Board on Proposed Storm Water Program Workplan and Implementation Strategy

August 19, 2015 – Testimony to State Water Board on Proposed Storm Water Program Workplan and Implementation Strategy (Stormwater Strategic Initiative)

October 7, 2015 – Testimony to State Water Board on proposed Stormwater Resource Plan Guidelines and proposed Prop 1 Stormwater Grant Program Guidelines

October 13, 2015 – Comments on draft Stormwater Resource Plan Guidelines and draft Proposition 1 Stormwater Grant Program Guidelines

November 16, 2015 – Comments to State Water Board on Storm Water Strategy

December 14, 2015 – Comments to State Water Board on North Coast Water Quality Objective Update & Editorial Amendment

December 15, 2015 – Testimony to State Water Board on proposed Stormwater Resource Plan Guidelines and proposed Prop 1 Stormwater Grant Program Guidelines

December 18, 2015 – Response to State Water Board on Petition for Review of *Approval of Watershed Management Programs Pursuant to the Los Angeles Regional Water Quality Control Board Order R4-2012-0175*