

CASQA 2014 Conference

Eleventh Annual Awards Program



Award Program Mission

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 of stormwater quality management.



CASQA 2014 Awards

***Outstanding Sustainable
Stormwater Project or Program***

CASQA 2014 Awards

This is CASQA's award for outstanding sustainable stormwater projects or programs including those that accomplish true source control. Projects or programs may be either public or private and must have been placed into operation prior to the deadline for submittal of nominations.



CALIFORNIA STORMWATER QUALITY ASSOCIATION

**Outstanding Sustainable
Stormwater BMP Project**

Presented to the

City of Los Angeles Bureau of Sanitation

for the

**Echo Park Lake
Rehabilitation Project**

2014



CASQA 2014 Awards

Outstanding

Sustainable Stormwater BMP Project

Presented to the

City of Los Angeles Bureau of Sanitation

Steven Nikaido, P.E.

City of Los Angeles

KEY FEATURES: ECHO PARK LAKE REHABILITATION

- ***Water quality improvement***
 - *Project contributes to MS4 and TMDL water quality objectives by collecting and managing urban runoff from 770 acres of tributary area.*
- ***Stakeholder outreach***
 - *Led to recommended water quality approach, community embraced project.*
- ***Water efficiency***
 - *Water harvesting and integrated irrigation system result in significant savings.*
- ***Environmental***
 - *Added 4+ acres of constructed wetlands while preserving lake's flood control purpose.*
- ***Social***
 - *Restored iconic lotus bed and focal point of community. Cultural aspects preserved and restored.*
- ***Economic***
 - *Innovative engineering led to \$20M in construction cost savings. Significant revitalization and gentrification.*

Restoring



Conserving





Enhancing

Project Contributors

Echo Park Lake Rehabilitation

- ***LA Sanitation - City of Los Angeles***
- ***City of Los Angeles - Bureau of Engineering***
- ***Black & Veatch***
- ***Ford E.C., Inc.***
- ***AECOM***
- ***Brown and Caldwell***
- ***E2 Consulting Engineers, Inc.***
- ***Ninyo & Moore***
- ***Coast Surveying***





CASQA 2014 Awards

***Outstanding Local
Stormwater News, Information,
Outreach, and Media***

CASQA 2014 Awards

This is CASQA's award for outstanding local stormwater quality news, information, outreach, and media. Projects may be either public or private and must have been released to the public or published prior to the deadline for submittal of nominations.



CALIFORNIA STORMWATER QUALITY ASSOCIATION

**Outstanding Local News, Information,
Outreach, and Media Project**

Presented to the

City of Malibu

for the

**“Keep it Clean”
Public Education Campaign**

2014



CASQA 2014 Awards
Outstanding Local Stormwater
News, Information, Outreach, and Media

Presented to the

City of Malibu

Jennifer Brown

Sr. Environmental Programs Coordinator

Casey Zweig

Environmental Programs Specialist

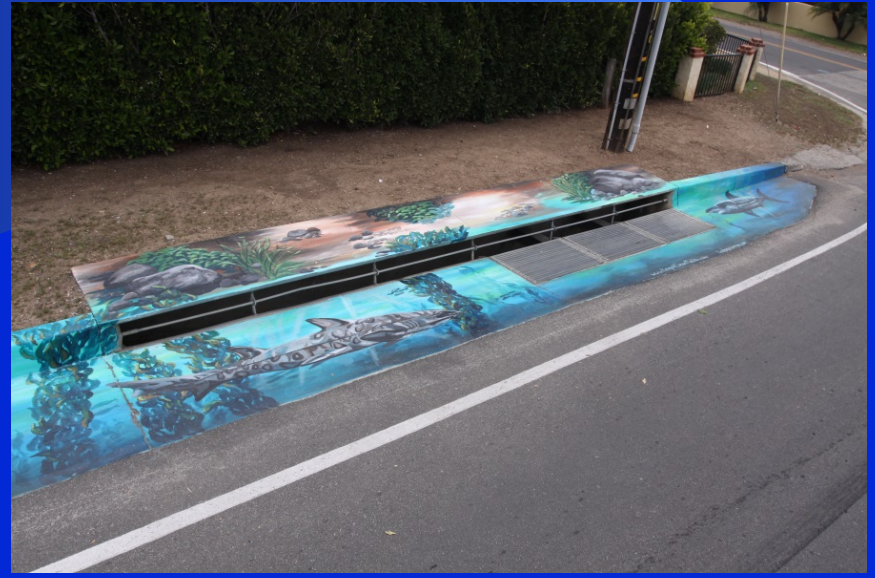


Keep It Clean, Malibu Campaign

2014 CASQA Awards

www.malibucity.org/keepitclean

Storm Drain Art



Videos



Project Contributors

“Keep it Clean” Public Education Campaign

- *State Water Resources Control Board – Proposition 84 Funding*
- *Vanishing Angle – Film Production*
- *Lindsay Carron – Artist*
- *Tiff Shao – Graphic Design*
- *Mayor Skylar Peak and Malibu Councilmembers*
- *Casey Zweig – Coastal Preservation Specialist / PM*
- *Sandi Turner – MIO / Advisor*
- *Malibu City staff*

KEEP IT CLEAN





CASQA 2014 Awards

***Outstanding Regional
Stormwater News, Information,
Outreach, and Media***

CASQA 2014 Awards

This is CASQA's award for outstanding regional stormwater quality news, information, outreach, and media. Projects may be either public or private and must have been released to the public or published prior to the deadline for submittal of nominations.



CALIFORNIA STORMWATER QUALITY ASSOCIATION

**Outstanding Regional News, Information,
Outreach, and Media Project**


Presented to the

**Bay Area Stormwater Management
Agencies Association**

for the

**“Be the Street”
Public Education Campaign**

2014



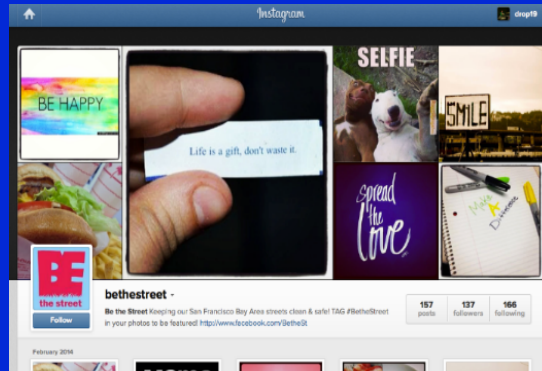
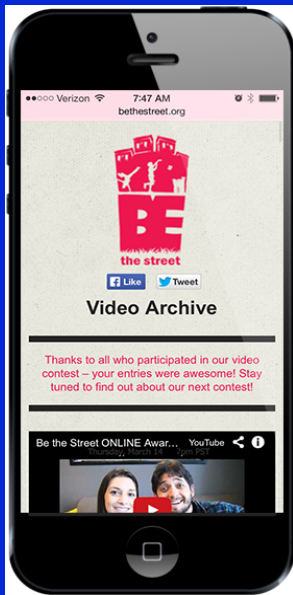
CASQA 2014 Awards
***Outstanding Regional Stormwater
News, Information, Outreach, and Media***
Presented to the
***Bay Area Stormwater Management
Agencies Association***
Matt Fabry
San Mateo Countywide Water Pollution Prevention Program



Jocelyn Rose Lazo

Reaching youth, preventing litter

Integrating Platforms



Instagram

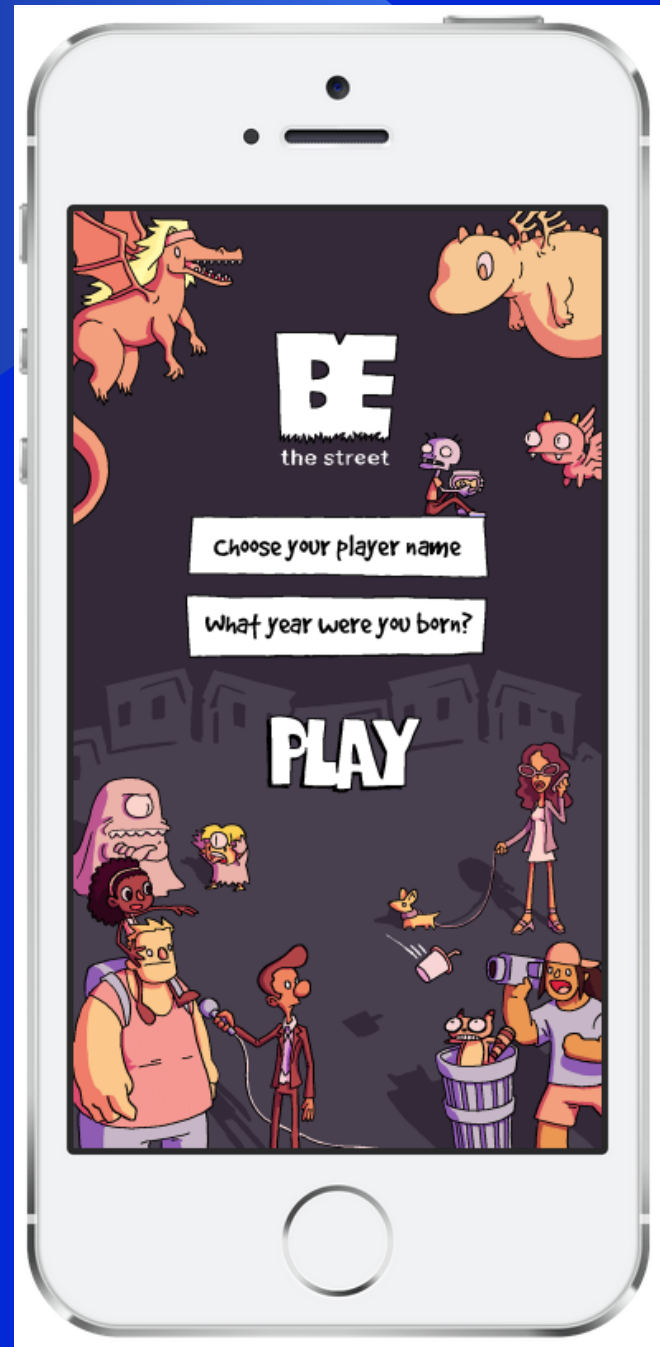


Facebook + YouTube

Responsive Website



the “App”



Setting Norms, changing behaviors

ONE DOES NOT SIMPLY

Litter and get away with it

Project Contributors

“Be the Street” Public Education Campaign

- *Cynthia Butler*
 - *BASMAA Project Manger*
- *Sharon Gosselin*
 - *Alameda Countywide Clean Water Program*
- *Kevin Cullen*
 - *Fairfield-Suisun Urban Runoff Management Program*
- *Tim Swillinger*
 - *San Mateo Countywide Water Pollution Prevention Program*
- *Vishakha Atre*
 - *Santa Clara Valley Urban Runoff Pollution Prevention Program*
- *Jennifer Kaiser*
 - *Vallejo Sanitation and Flood Control District*
- *S. Groner Associates, Inc.*



CASQA 2014 Awards

***Outstanding Local Stormwater
BMP Implementation
Project or Program***

CASQA 2014 Awards

This is CASQA's award for outstanding local stormwater BMP implementation. Projects or programs may be either public or private and must have been placed into operation prior to the deadline for submittal of nominations.



CALIFORNIA STORMWATER QUALITY ASSOCIATION

**Outstanding Local Stormwater BMP
Implementation Project**

Presented to the

City of Aliso Viejo

for the

**Wood Canyon
Emergent Wetland Project**

2014

CASQA 2014 Awards
Outstanding Local Stormwater
BMP Implementation Project

Presented to the

City of Aliso Viejo

Dave Doyle

Aliso Viejo City Manager

Moy Yahya

Environmental Programs Manager

Wood Canyon Project Area





Wood Canyon Before Construction



**Wood Canyon
After 18 months in Operation**

Project Contributors

Wood Canyon Emergent Wetland Project

- *California Department of Parks and Recreation – Habitat Conservation Program*
- *U.S. Fish and Wildlife Service – Partner for Fish and Wildlife*
- *City of Aliso Viejo*



CASQA 2014 Awards

***Outstanding Regional Stormwater
BMP Implementation
Project or Program***

CASQA 2014 Awards

This is CASQA's award for outstanding regional stormwater BMP implementation. Projects or programs may be either public or private and must have been placed into operation prior to the deadline for submittal of nominations.



CALIFORNIA STORMWATER QUALITY ASSOCIATION

**Outstanding Regional Stormwater
BMP Implementation Project**

Presented to the

City of Ontario

for the

Mill Creek Wetlands Project

2014

CASQA 2014 Awards
**Outstanding Local Stormwater
BMP Implementation Project**

Presented to the

City of Ontario

Louis Abi-Younes, P.E.

City Engineer, City of Ontario

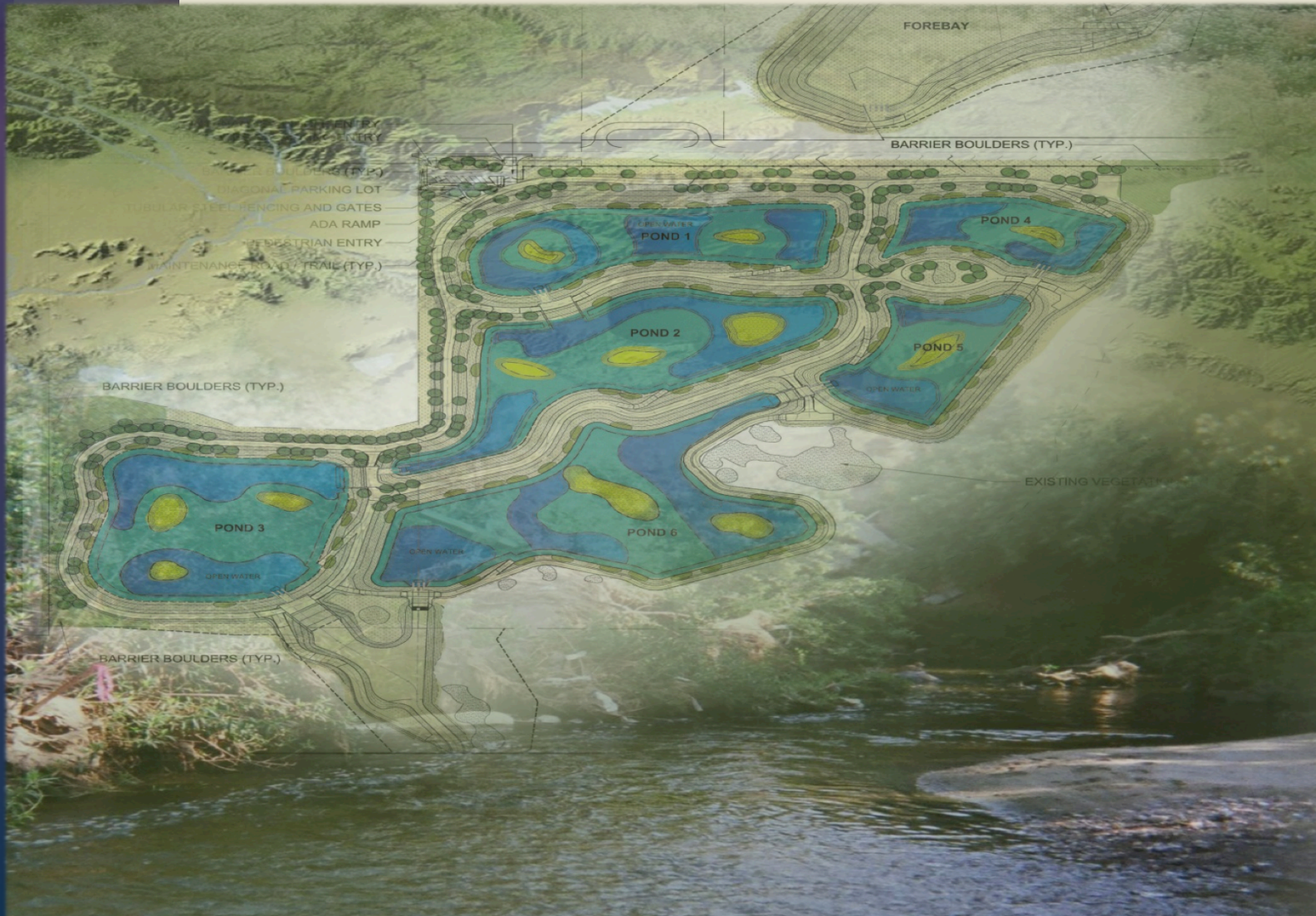
Khoi Do, P.E.

Principal Engineer, City of Ontario

Ken Susilo, P.E.

Geosyntec Consultants

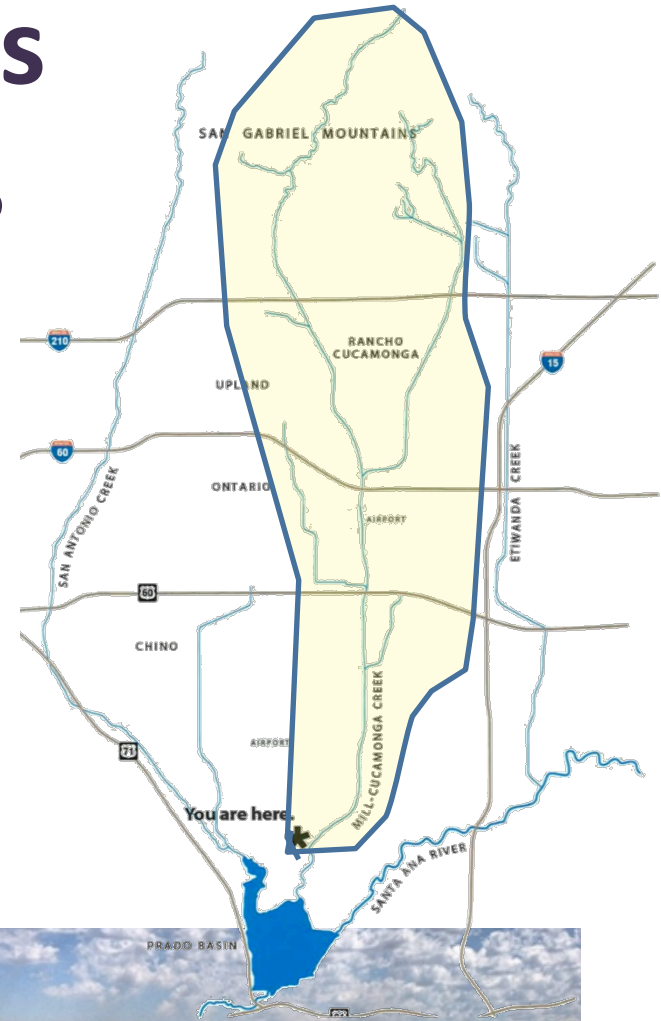
MILL CREEK WETLANDS



Watershed Statistics & Regional Benefits

- 77 sq. mi. (5 cities, 2 counties)
- Dry weather
 - $Q_{chan} = 30-60$ cfs
 - Captures 3-15 cfs
 - 3,100 AF/yr (avg)
- Wet Weather
 - $Q_{100} = 32,000$ cfs
 - Captures up to 200 cfs
 - 2,100 AF/yr (avg)
- \$7.5 Million State Grants (Multiple Agencies)

Mill Creek Wetlands



Water Quality Process

Mill Creek Wetlands

A Combination of Nature + Engineering

Constructed treatment wetlands are designed to replicate the water-cleansing processes of natural wetlands.

A Win-Win-Win

Compared to traditional treatment facilities, these constructed wetlands will improve water quality naturally – and also provide wildlife habitat and public recreation. They're also designed so water moves purely by gravity, eliminating the need for man-made energy sources.

1 **Divert the water**
Like a straw, the **diversion structure** diverts water from Cucamonga Creek and sends it to the wetlands.

2 **Drop the sediment**
As water flows into the wide **forebay/ desilting basin**, it slows down, leaving sediment and trash behind. This basin is cleaned out regularly.

3 **Filter through wetland plants and microorganisms**
Next, the water moves slowly through the **wetland basins**, where plant roots (rhizomes) create a dense home for microorganisms. This invisible army breaks down water pollutants and removes them. Plants also take up excess nutrients.

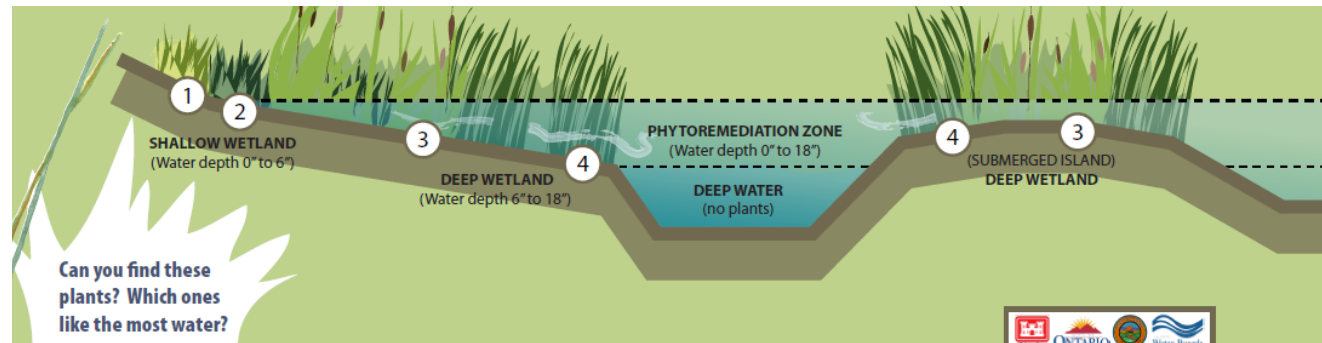
4 **... and out you go!**
Now filtered, the diverted water flows down the **outlet structure** and out to Mill Creek, which eventually joins the Santa Ana River.



Key Project Attributes

- Demonstrated Regional Project Efficiencies for Water Quality (Dry & Wet)
- Habitat, Recreation & Educational Benefits
- Private-Public Partnership (PPP) – Federal /State/ County/Cities/Resource Agencies
- Credit Allocation for Upstream Development

Mill Creek Wetlands



Project Contributors

Mill Creek Wetlands Project

Mill Creek Wetlands

Key Partners



US Army Corps of Engineers®



Inland Empire Utilities Agency



SINCE 1933



Consultants



Geosyntec consultants



VCS Environmental
EXPERT SOLUTIONS | CEQA-NEPA, Biology, Regulatory



Key Funders



Program Manager



CASQA 2014 Awards

***Outstanding Programmatic Stormwater
BMP Implementation
Project or Program***

CASQA 2014 Awards

This is CASQA's award for outstanding programmatic stormwater BMP implementation. Projects or programs may be either public or private and must have been placed into operation prior to the deadline for submittal of nominations.



CALIFORNIA STORMWATER QUALITY ASSOCIATION

**Outstanding Programmatic Stormwater
BMP Implementation Project**

Presented to the

Orange County Transportation Authority

for the

**Orange County M2
Environmental Cleanup Program**

2014

CASQA 2014 Awards

***Outstanding Programmatic Stormwater
BMP Implementation Project***

Presented to the

Orange County Transportation Authority

Charlie Larwood

OCTA Strategic Planning Manager

Alison Army

Senior Transportation Analyst



Orange County Transportation Authority M2 Environmental Cleanup Program

Environmental Cleanup Program (ECP)

- 2 % of M2 Revenues for water quality projects (\$300 million over 30 years)
- Projects must have a nexus to transportation



Tiered Funding Approach

Tier 1 - \$19.5 million over 7 Years

\$11 million approved in four cycles

Tier 2 - \$38 million over 3 Years

\$27.8 million approved in two cycles

Project Contributors

- Orange County Voters
- OCTA Board of Directors, Committees, and Staff
- County of Orange – Watershed
- Consultants (Geosyntec)

The background is a solid blue color with abstract, flowing shapes. On the left side, there are several curved, overlapping bands of varying shades of blue, creating a sense of movement. In the center, there is a dark blue swirl or vortex shape. The overall design is modern and dynamic.

CASQA 2014 Awards

Outstanding Service Awards

CASQA 2014 Awards

This is CASQA's award for outstanding service to the organization by a CASQA member. Recipients are selected by the Board of Directors each year.

2014 Outstanding Service Awards

🔹 *Karen Ashby*

🔹 *Jamison Crosby*

🔹 *Brian Currier*

🔹 *Cathleen Garnand*

🔹 *Anna Lantin*

🔹 *Matt Lentz*

🔹 *Kelly Moran*

🔹 *David Pohl*

🔹 *Dave Tamayo*

🔹 *Scott Taylor*

🔹 *Jon Van Rhyn*

🔹 *Katharine Wagner*



**Congratulations
To All CASQA
Awardees**



**Special thanks go to all the
CASQA Members
that took the time to identify
worthy people, projects, and programs
and to prepare nomination packages!**

2014

Awards Committee Members

🔹 **Sharon Gosselin**

🔹 *Alameda County*

🔹 **Anna Lantin**

🔹 *RBF Consulting*

🔹 **Jeff Endicott**

🔹 *CASC Engineering and Consulting*

🔹 **Stephanie Reyna-Hiestand**

🔹 *City of Tracy*

🔹 **Richard Boon**

🔹 *County of Orange*

🔹 **Richard Watson**

🔹 *Richard Watson and Associates*

🔹 **CASQA Board of Directors**

***This Concludes the 2014
CASQA Awards Program!***

 **Watch for the
2015 Awards Program
Call for Nominations**

During the First Quarter of 2015

