



# WATER SUPPLY AND DEMAND: MENDING THE GAP

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CALIFORNIA  
**Water Boards**

STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



# Outfall Monitoring

# Illicit Discharge Detection & Control

<http://www.countyofnapa.org/stormwater/>



# Trash Cleanups



# Trash Removal

- Coming Soon - “Full Trash Capture”  
> 5mm



# Public Education...



...And Public Engagement

# Dog Days of Summer: Alston Park Cleanup Party



Saturday July 25<sup>th</sup>  
9am to Noon

# Stormwater is a Resource



Stormwater Strategic Initiative -  
*“Waterboards treat stormwater as  
a valuable resource”*

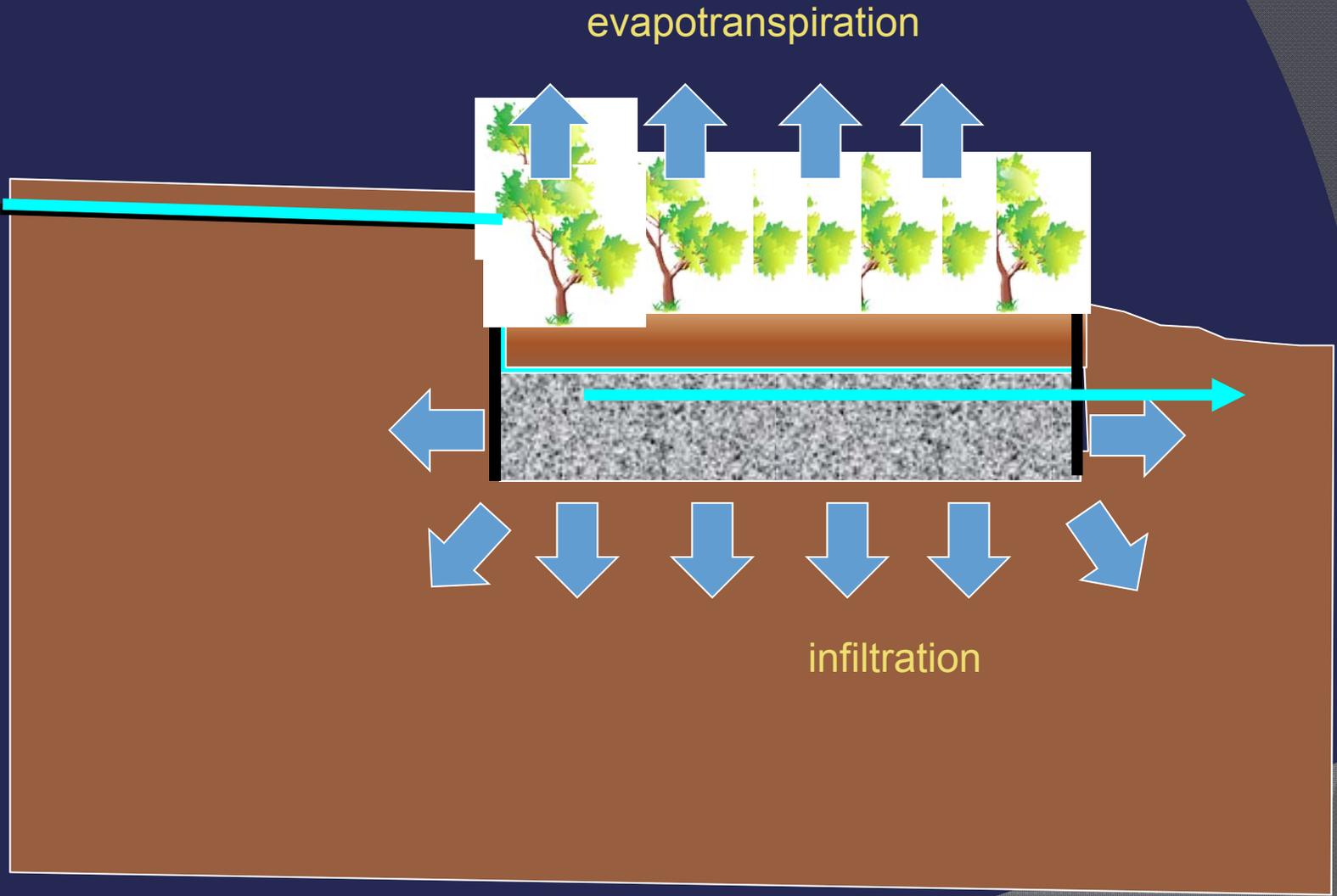


**California Stormwater Quality Association®**

*Dedicated to the Advancement of Stormwater Quality Management, Science and Regulation*

# Low Impact Development





Credit: Dan Cloak Environmental Consulting

# LID in the Napa Valley

- ⦿ Triggered by New or Re-Development
  - Projects that create or replace  $>2,500 \text{ ft}^2$  = site design measures (incl. sf homes)
    - Limiting clearing/grading
    - Dispersing runoff to landscape
  - Projects  $> 5,000 \text{ ft}^2$  = bioretention aka LID

# Just how much?

## Four Drought Strategies

Strategy	Water Savings (million acre-feet per year)
Agricultural Water Conservation and Efficiency	5.6 – 6.6
Urban Water Conservation and Efficiency	2.9 – 9.2
Water Reuse	1.2 – 1.8
Stormwater Capture	0.4 - 0.6

### ISSUE BRIEF

2014  
10/16/14

#### The Untapped Potential of California's Water Supply: Efficiency, Reuse, and Stormwater

California is suffering from a third year of drought, with near-record-low reservoirs, mountain snowpack, soil moisture, and river runoff. As a direct result, far less water than usual is available for cities, farms, and natural ecosystems. There are far-reaching effects that will intensify if dry conditions persist. Several response strategies are available that will provide both near-term relief and long-term benefits. This report examines the significant potential contributions available from four priority opportunities: improved efficiency in urban and agricultural water use, reuse and recycling of water, and increased capture of local rain water.



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# Questions?

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