

Reducing Urban Runoff SmarTimer Installations Prima Deshecha Watershed Poche Beach

Orange County Coastal Coalition Meeting

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SmarTimers and Reducing Runoff

- Dumb timers are not adjusted often enough to save water
- SmarTimers have been found to:
 - Save water
 - Single-family homes = 41.2 gallons per day
 - Large Landscapes = 545 gallons per day
 - Reduce runoff by 50 to 71 percent
 - Reduce non-point source pollution by 50 percent

Source: Residential Runoff Reduction Study, 2004



What is a SmarTimer?

- A state-of-the-art irrigation timer that uses
 - historic weather data embedded in the memory of the timer and modified by an on-site temperature or solar radiation sensor,
 - or
 - Real-time weather data transmitted daily from a weather station to the timer
- To automatically adjust the irrigation schedule
- Available for single-family homes and large landscapes



Program Background

- A component of countywide SmarTimer Rebate Program

Poche Beach – Direct Installation by manufacturers at no cost to homeowners

– Sponsors

- Municipal Water District of OC
- City of San Clemente
- County of Orange / US Bureau of Reclamation
- Metropolitan Water District of So. Calif.
- SWRCB & Region 8 WQCB

Participation Process

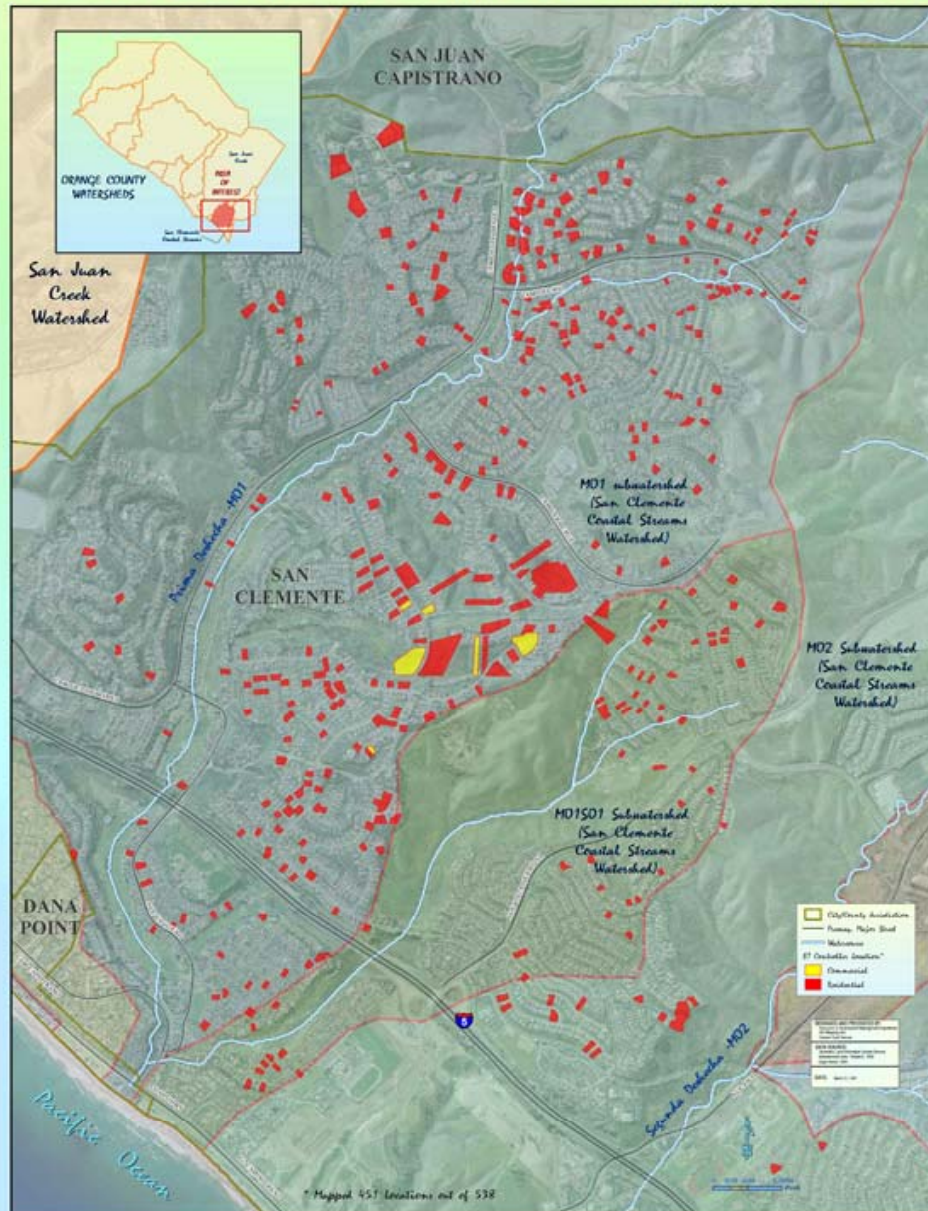
- City of San Clemente promotion to residents including invitation to participate and instructions
 - Letter from Mayor of San Clemente
 - Door hanger
 - Second letter from Mayor
 - HOA newsletters
 - HOA and golf course presentations

Participation Process

(Continued)

- Participants chose from among four manufacturers
- Call manufacturer to schedule installation
- Process concludes with on-site installation verification inspection and irrigation system evaluation performed by Resource Conservation District
- Required customer service follow-up to approximately 8 percent of participants

POCHE BEACH ET CONTROLLER LOCATION MAP



County of Orange, California

Results

- Prima Deshecha through January 2007:
 - Completed installations
 - Residential – 478 SmarTimers
- County-wide through January 2007
 - Completed installations
 - Residential = 1,140 SmarTimers
 - Large Landscape = 909 SmarTimers

Next Steps



- Keep installing SmartTimers
 - <http://www.mwdoc.com/SmartTimer/index.html>
- Complete the Runoff Volume, Water Quality and Water Savings Statistical Evaluation
- Initiate an Irrigation System Improvement Rebate Program
- Promote common SmartTimer operation platform
- Assure SmartTimer Manufacturing Standard is established in 2012