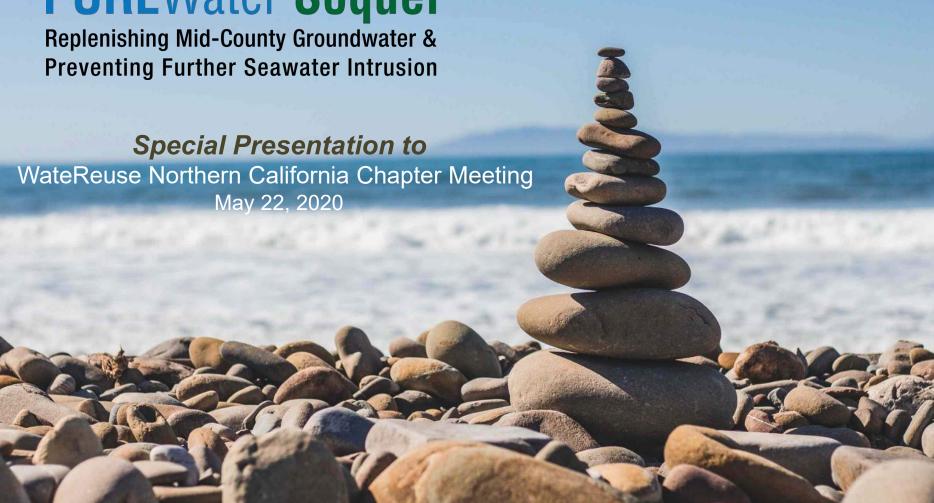
PUREWater Soquel





Who We Are



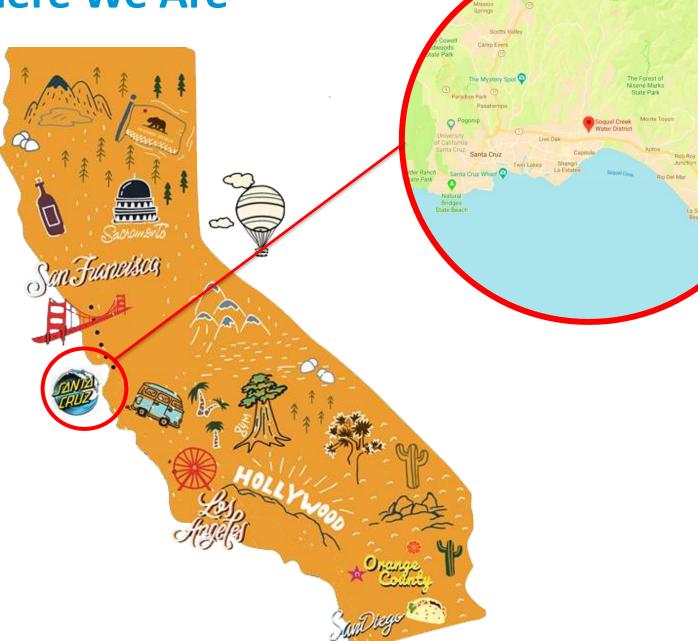




Melanie Mow Schumacher Special Projects-Communications Manager

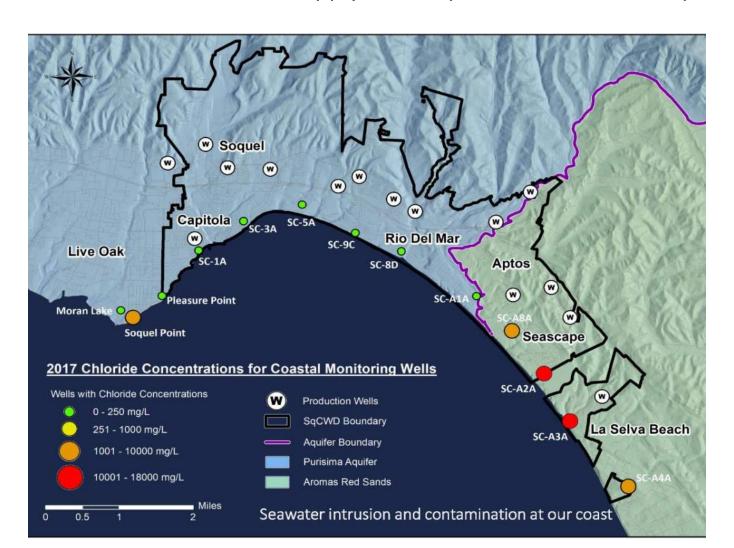


Where We Are



Our Three Primary Groundwater Problems:

- 1. Basin is Critically Overdrafted depressed groundwater levels
- 2. Basin is contaminated with seawater intrusion along the coast
- 3. Basin is our ONLY source of supply no imported "Delta" water possible



The Problem is Real and Measurable: From State Designation to Locally 'Felt'

Critically Overdrafted Groundwater Basins – January 2016

— North Central and South Central Regions

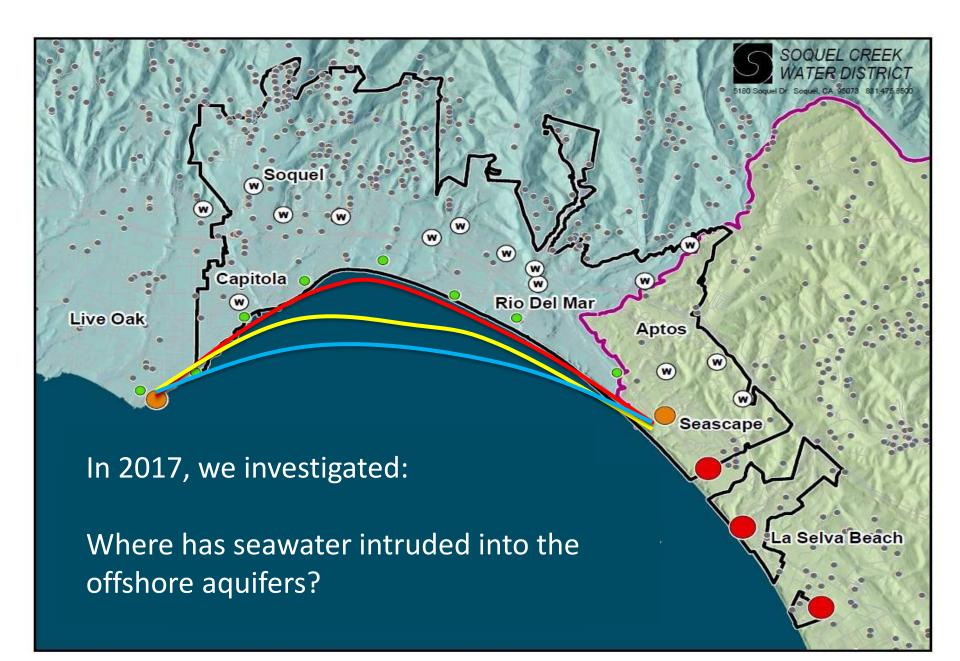


Identified by State of CA in 2014 as Critically Overdrafted



This customer in the La Selva Beach Area who HAD a productive farm in 2016. Seawater intrusion is actively progressing.

How close is seawater intrusion?



Innovative Technology:

SkyTEM "helicopter" Survey, May 2017



- Provides Baseline Information
- Future surveys will assess progress toward sustainability and show Improvement over time

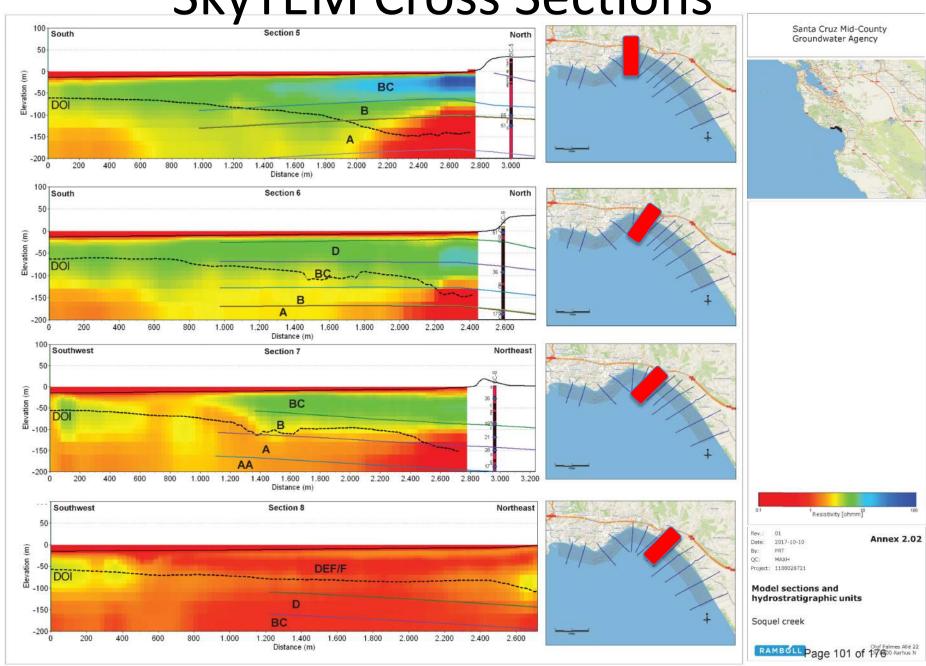




Depth of investigation:

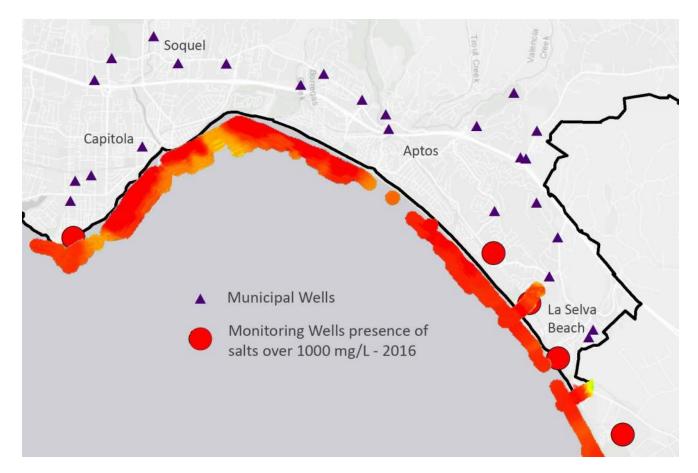
- Close to the coast ~ 600ft
- 1 mile of shore 250ft
- In-land >1000ft

SkyTEM Cross Sections



With SkyTEM Results, What we NOW know:

Freshwater-Seawater Interface is Already Onshore and Right at the Coastline







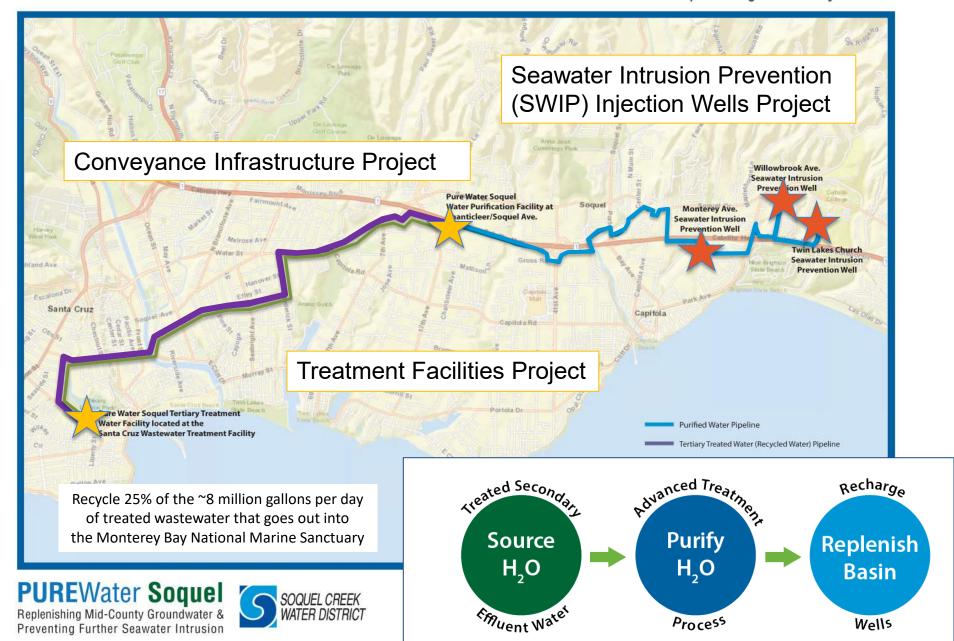
The Problem is Real and Measurable: From Santa Cruz to Monterey



PROJECT LOCATIONS

PUREWater **Soquel**

Replenishing Mid-County Groundwater



Pure Water Soquel

Conceptual Renderings of Facilities

Tertiary Water Treatment located at Existing SC Waste Water Treatment Facility

Advanced Water Purification Facility
(AWPF) located at
Chanticleer Property (off Highway 1)







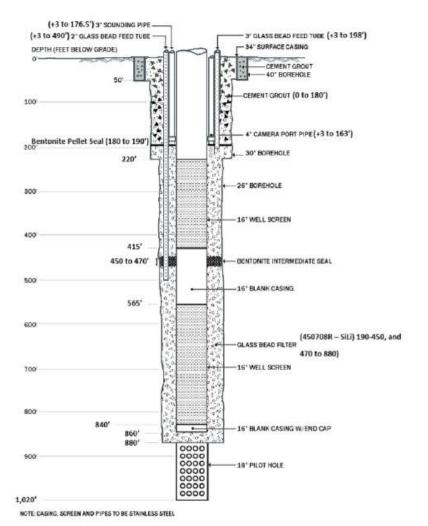






Pure Water Soquel

Seawater Intrusion Prevention (SWIP) Wells







Well Design for Twin Lakes Church Pilot Recharge Well

Pure Water Soquel Timeline

Evaluate: 2015-2018

CEQA Certified Dec. 18, 2018

Permit, Design, & Construct: 2019-2022

Goal to Replenish the Basin: 2040

Current and Upcoming Project Activities:

All Components are on Track for Procurement

■ June 2018: Awarded Design Contract for SWIP Wells Project

February 2020: Awarded Progressive Design Build Contract for Conveyance Project

■ March 2020: Awarded Progressive Design Build Contract for Treatment Project

April 2020: Awarded Professional Services Contract for Operations and

Maintenance At Risk Contract for the Water Purification Facility

June 2020: To Award Construction Contract for SWIP Wells Project

Pure Water Soquel Financing

Planning Grants

Over \$2M State and Federal (US BOR Title XVI)

Rates

Customers approved 5-year Water Rates (2019-2023)



Implementation Funding

Awarded

- \$50M Prop 1 Groundwater Grant from CA State Water Resources Control Board
- \$36M Low-Interest Loan from CA
 Seawater Intrusion Control
 Loan Program

Selected in 2019 and Now Applying for

- Low-Interest Loan from EPA WIFIA
 Program (for balance of PWS Project
 Costs, including contingency)
 - Saves rate payers \$47.4M over traditional bond financing

What are customers are saying:

Support investment in infrastructure to ensure a safe, reliable water supply

Support taking strong action now to address the issues of over-drafting and seawater contamination of the local groundwater

739 Are comfortable with Pure Water Soquel





Local Seawater Contamination





District Receives "2018 Award of Excellence in Outreach and Education" Award

The Suquel Creek Water District has proudly received a significant honor from the National WateReuse Association: the 2018 Award of Excellence for Outreach and Education, in recognition of the District's Pure Water Soquel Mobile

This annual award was presented during the 33rd Annual agencies, individuals, and projects that are making significant contributions in increasing knowledge, awareness, and research of recycled water and beneficial reuse.

The Mobile Educational Trailer is a colorful, interactive fun, and engaging community outreach tool, designed to help educate the community on the critical issue of water reuse, and the District's proposed water purification/groundwater recharge and seawater intrusion prevention project, Pure

The trailer, which District staff takes to schools, special events, and other locations, features bright and colorful information panels, hands-on-samples of actual materials has visited over 24 sites. involved in the water purification process, entertaining and informative videos, and more. Reaching more than 3,500 kids and adults. Upon its

'Our Mobile Educational Trailer has had great success in helping people of all ages throughout our community to gain a better understanding of water reuse and Pure Water water age soques," said Ron Duncan, General Manager. "We're very information about the traile proud to gain this recognition and praise from the WateReuse proud to gain this recognition and praise from the WateReuse and how to create one for Association – it tells us seere doing the right things to reach their community. our community, and inspires us to continue seeking new, interesting ways to engage people in learning about the District and the services we provide."

the outside professionally wrapped with graphics and text. and produced/installed all the interior materials.

So far the Pure Water Soquel Mobile Educational Traile debut in July 2017, the District started receiving water agencies seeking



Santa Cruz Sentinel

National expert panel gives Soquel Creek recycled water plan thumbs up



Environmental project approved

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Santa Cruz Sentinel

New Aptos well to test aquifer restoration concept









THANK YOU!

www.soquelcreekwater.org

Melanie Mow Schumacher

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Communications Manager
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