



# Welcome



***Greg Mills***  
***ISDOC President***  
***Serrano Water District***



I pledge allegiance to the flag  
of the United States of  
America, and to the republic  
for which it stands, one nation  
under God, indivisible, with  
liberty and justice for all.



# MEET THE NEW ISDOC BOARD MEMBERS





# Thank You for Your Service!

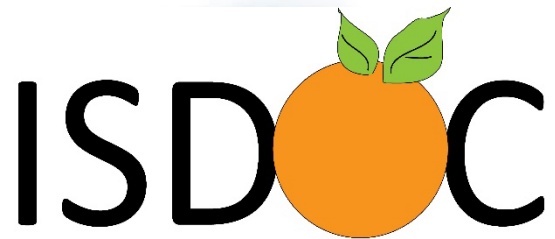


**Mark Monin**  
*Immediate Past  
ISDOC President  
Serrano Water District*

# Program Speaker



SOUTHERN  
CALIFORNIA  
NEWS GROUP



Independent Special Districts of Orange County

Brooke Staggs  
Environment Reporter  
Southern California News Group

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# Environmentally Curious in Southern California

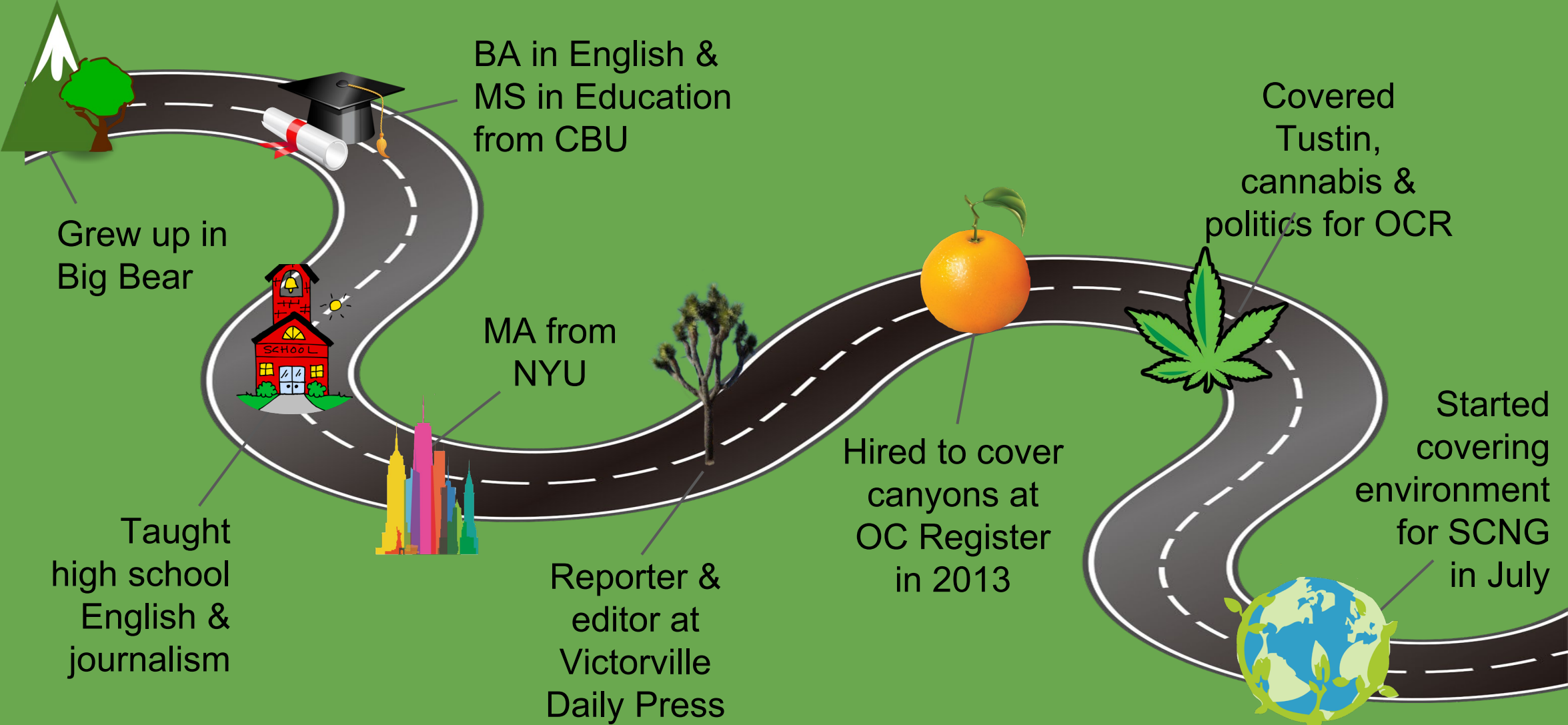


**By Brooke Staggs**

Southern California News Group

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# How I Got Here



# What I Cover

## Four counties in SCNG's footprint:

- Orange County
- Los Angeles County
- Riverside County
- San Bernardino County

*Stories must be based in one of those counties or examine the interaction between state, federal or global issues and our local communities.*



## All things environment:

- Climate change
- Energy
- Water
- Wildlife
- Pollution
- Transportation
- Regulation & policy
- Environmental justice
- Industry & agriculture
- Land use
- Movers & shakers



# Lead spews from some Southern California airports; cleaner fuel is coming

Airports in Long Beach, Van Nuys, Santa Ana and Chino for now remain high on the EPA's list for worrisome emissions from leaded gas.

# Can owls solve Irvine, Laguna Beach rat problems? This group intends to find out

**SUBSCRIBER ONLY**

# Big Bear Lake not dry, but megadrought means challenges, big ideas

# Cooking up concrete solutions to cement's carbon problem

Cement plants still spew greenhouse gas. But that has to change, as state deadlines loom.

# Bighorn sheep to get drinking stations as drought becomes new normal

# Hundreds of deserted oil and gas wells in Southern California could soon get plugged

Unprecedented funding will help reduce hazards from orphaned wells. But regulators are grappling with which ones to tackle first.

# New problem for 'Erin Brockovich' town: Burning poop

A composting facility in Hinkley that processes biosolids and other organic waste from across Southern California has triggered complaints for years.

# New tool shows Southern California is a key pit stop for migrating birds

**SUBSCRIBER ONLY**

# Here are answers to 8 common questions about recycling food scraps at home

# More electric school buses coming to Southern California

# Ontario teen wins support, accolades for making sustainable period products

# As pipeline repair begins, new plan for offshore oil near Orange County looks a lot like old plan

# Floating wind turbines off California coast soon could boost power grid

**SUBSCRIBER ONLY**

# California cows are leaving the state and that won't help global warming

# Coastal Commission approves plan to bury contaminated sediment in Newport Harbor

# Can West Coast waves help power state energy grids?

Ocean energy could take its place alongside solar and wind in helping to decarbonize the power grid. A key test is coming soon.

# What Makes a Good Story

## Must have:

- ❑ Time hook
- ❑ Local connection
- ❑ Universal concern
- ❑ Human focus

## Great to have:

- Scoop!
- Solution or useful advice
- Element of surprise, humor or delight
- Evergreen appeal
- Strong visual elements
- Memorable character
- Beginning, middle and end
- Some drama
- Solid data
- Graphics
- Excuse for me to explore


**RED MOUNTAIN**

## Historic mining town gets funds for arsenic cleanup

**By Brooke Staggs**  
*bstaggs@seng.com*

To many of the 100 or so full-time residents of Red Mountain, a historic mining town on the northwestern tip of San Bernardino County's desert, John Hall is unofficially known as mayor. Hall, 75, isn't quite sure why.

Maybe it's because he's lasted more than 30 years in this place where locals truck in water to avoid the arsenic that decades of mining left in the ground and their tap water. Maybe it's because his 96-year-old home was built for the superintendent of Kelly Silver Mine, with views from



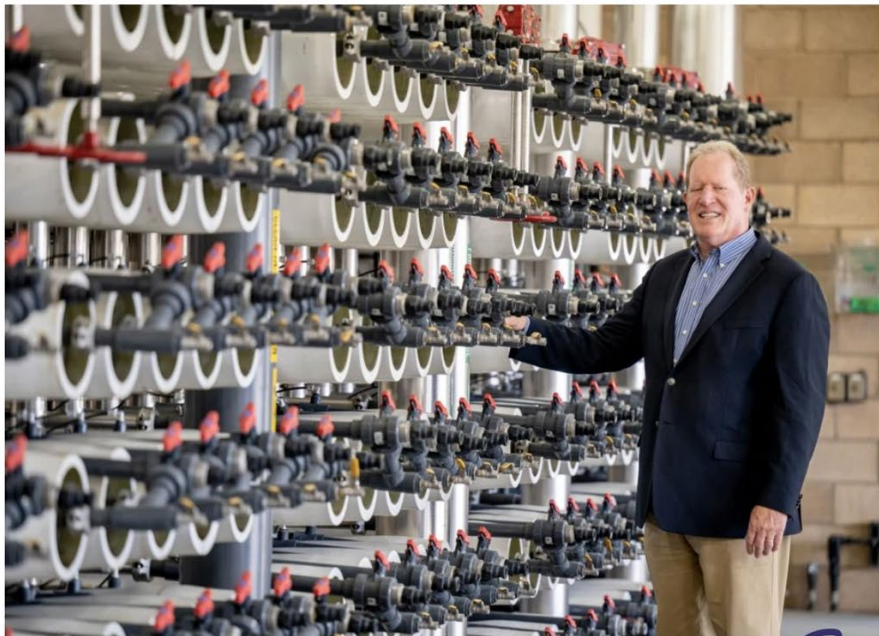
John Hall, 75, has lived for more than 30 years in Red Mountain, a mining community known for its Old West legacy.

WATCHARA PHOMKINDA  
STAFF PHOTOGRAPHER








**CLEANUP ■ PAGE 9**

# Orange County water district drilled down to become self-sustaining

While Mesa Water has some geological luck on its side, experts say others could do something similar.



## WHY IT WORKED

-  It's about a high-interest topic
-  It's a positive story
-  It's hyperlocal
-  It has a fun hook
-  It has interesting photos
-  It offers universal lessons
-  It has long-term appeal

# WHAT TO AVOID...

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- Pitching stories not on beat or that have been recently covered
- Pitching something you're not ready to see in print
- Asking us to print press releases
- Setting up mock events
- Expecting a purely positive story, even if you pitch it
- Expecting us to ditch a story, even if you don't respond
- Resorting to emailed statements unless absolutely necessary
- Using legalize
- Trying to hide what you don't know
- Submitting photos unless asked
- Asking to see a story before it prints
- Being afraid to reach out
- Being afraid to follow up
- Asking us to go around the paywall

# How to Reach Me

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## **Brooke Staggs**

Environment reporter  
Southern California News Group

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Cell: 760-524-8349

Email: [bstaggs@scng.com](mailto:bstaggs@scng.com)

Twitter: @JournoBrooke

# Questions?



# Member Spotlight



Lora Young  
District Manager  
Orange County Mosquito and  
Vector Control District



Rick Howard  
District Manager  
Orange County Mosquito and  
Vector Control District



# Vectors and Vector-borne Disease in Orange County

**Lora Young**

**District Manager**

Orange County Mosquito and Vector Control District





# Scope and Governance

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- Established in 1947 as the Orange County Mosquito Abatement District
  - Independent Special District governed by the California H&S Code
- Serves all of Orange County's 34 cities and unincorporated areas
  - 3.2 million residents
- Governed by a 35 member Board of Trustees
  - One City appointed representative from each city
  - One appointee from County



# What is a Vector?

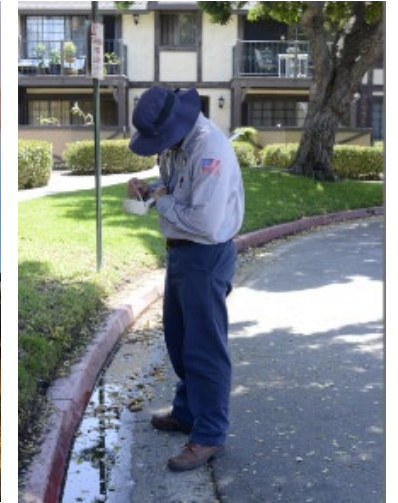
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A **Vector** is an organism, typically a biting insect or tick, that transmits a disease or parasite from one animal to another animal or person.



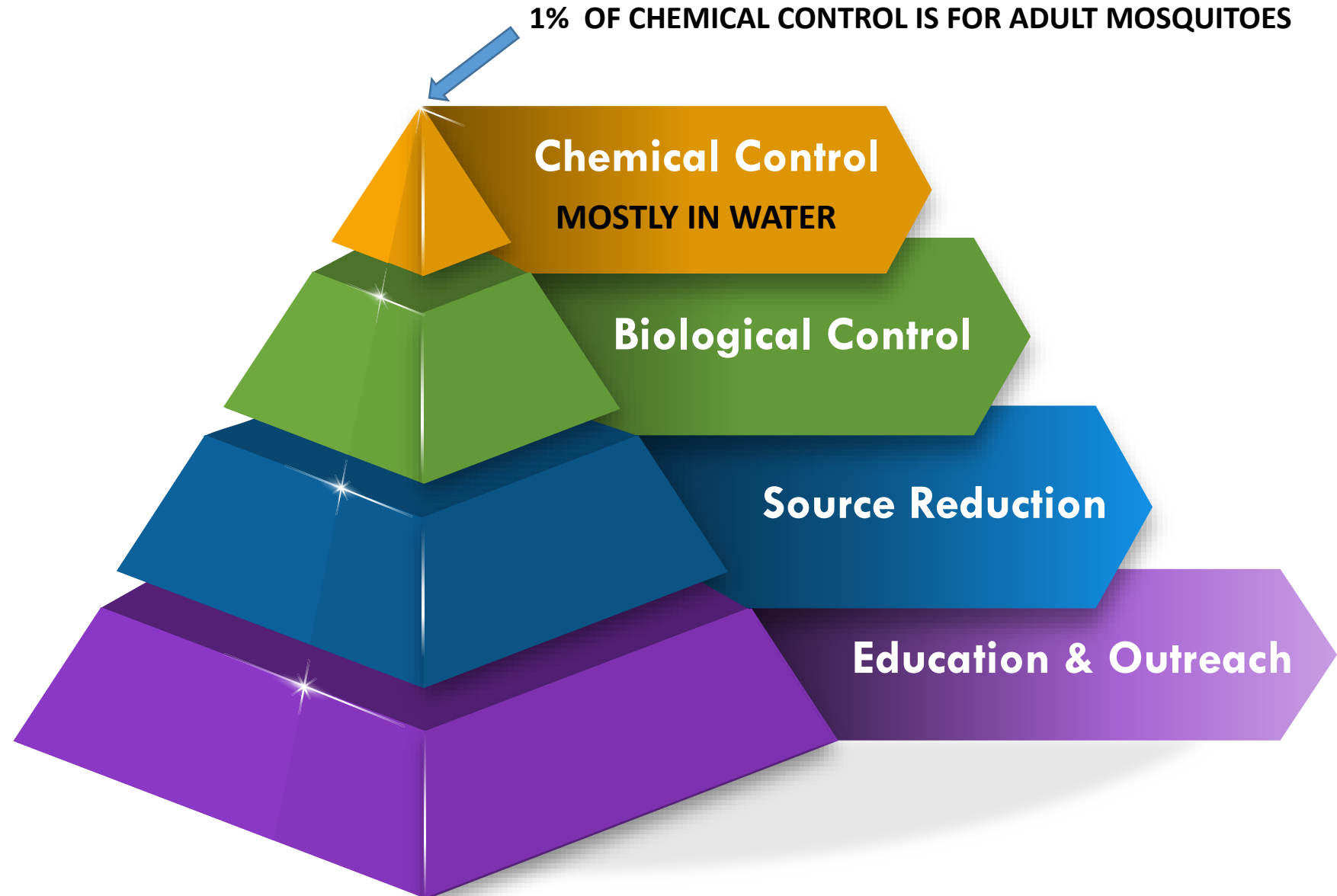
# Services We Provide

- **Education:** outreach events, presentations, literature, web, social media
- **Surveillance:** testing pathogens in mosquitoes, ticks, fleas, rodents, birds, and opossums
- **Control** of mosquitoes, RIFA, rats, filth flies
  - Source reduction - eliminate breeding
  - Biological control - Mosquitofish
  - Chemical control - larvicide, adulticide



# Integrated Vector Management

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# Communications

- Increase public awareness through public outreach campaigns, education programs and media sources
- Work collaboratively with elected officials
- Develop and maintain data management system, website and information technology for the District



# Scientific & Technical Services

- Vector-Borne Disease Surveillance Programs
  - Monitor mosquito counts county-wide
- Monitor for newly introduced mosquitoes, and diseases from mosquitoes & other vectors (fleas, ticks)
- Environmental assessment/ Mosquito fish rearing programs



# Inspection and Control of Mosquitoes

- Maintaining a database of known breeding sources
  - Abandoned or unmaintained swimming pools
  - Gutters
  - Manholes and storm drains
  - Flood channels



# Large Breeding Sources

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**Marshes and Wetlands**



**Improperly-Planned BMP**



**Nurseries**



**Pools and Spas**



**Drains/City Infrastructure**



**Backyard and Small Sources**





# Mosquitoes

**Yellow Fever Mosquito**  
*Aedes aegypti*



- Zika
- Dengue viruses
- Yellow fever
- Chikungunya
- West Nile virus
- Dog heartworm

**Asian Tiger Mosquito**  
*Aedes albopictus*



- Dengue viruses
- Zika
- Chikungunya
- West Nile virus
- Dog heartworm

**Australian Backyard Mosquito**  
*Aedes notoscriptus*



- Dog heartworm

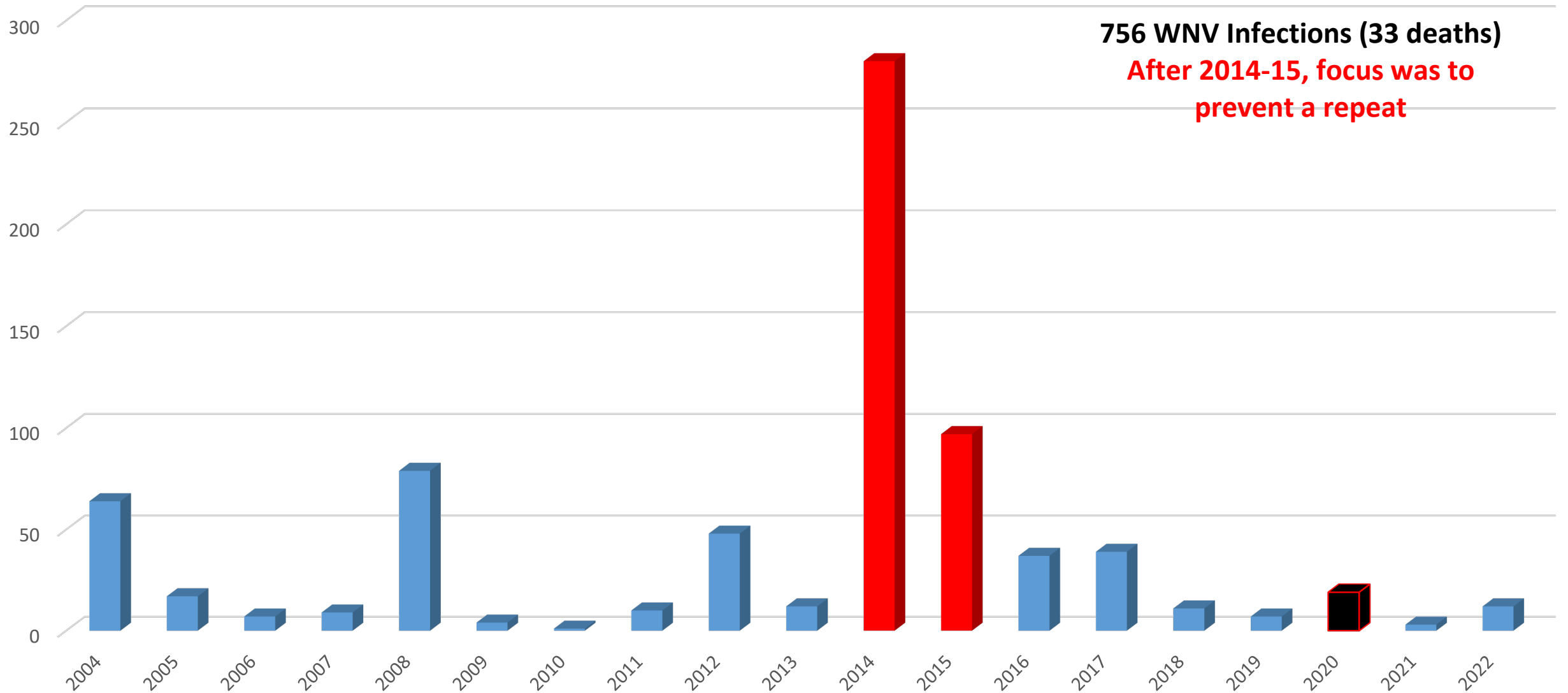
**Southern House Mosquito**  
*Culex quinquefasciatus*



- West Nile virus



# West Nile Virus in Orange County, 2004 - 2022



# *Aedes* Infestation

2016 = 3,500 acres or 5.0 sq.mi

2017 = 17,000 acres or 26 sq.mi

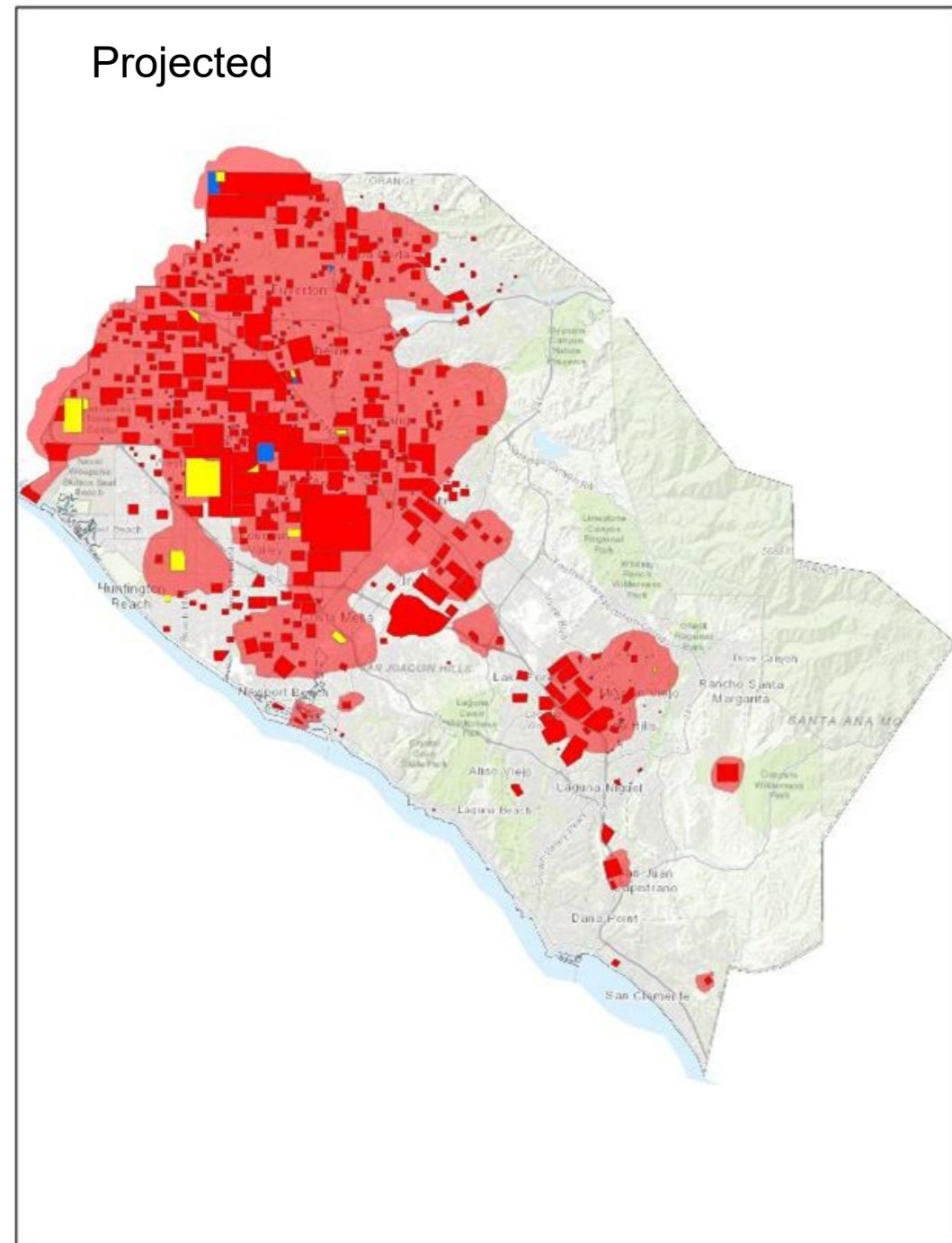
2018 = 45,600 acres or 71 sq.mi

2019 = 63,813 acres or 99.7 sq.mi

2020 = 65,229 acres or 102 sq.mi

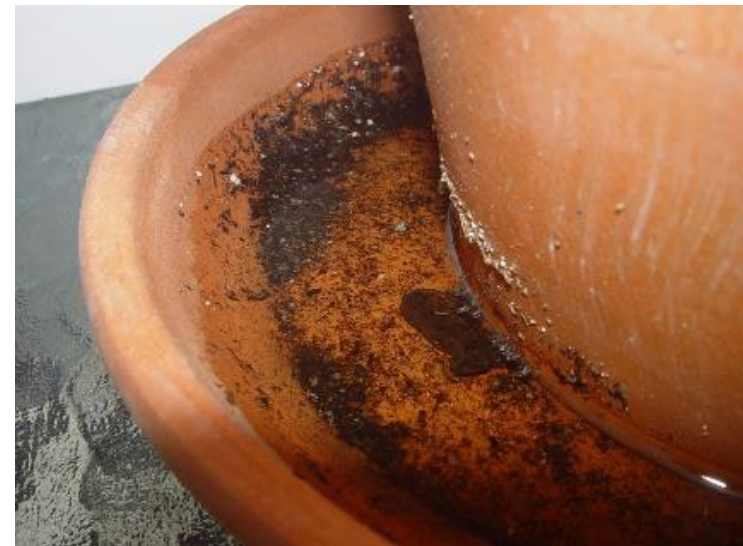
2021 = 74,880 acres or 117 sq.mi

Projected = 89,666 acres or 140 sq.mi



# Invasive Mosquito Breeding

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# Controlling Rats

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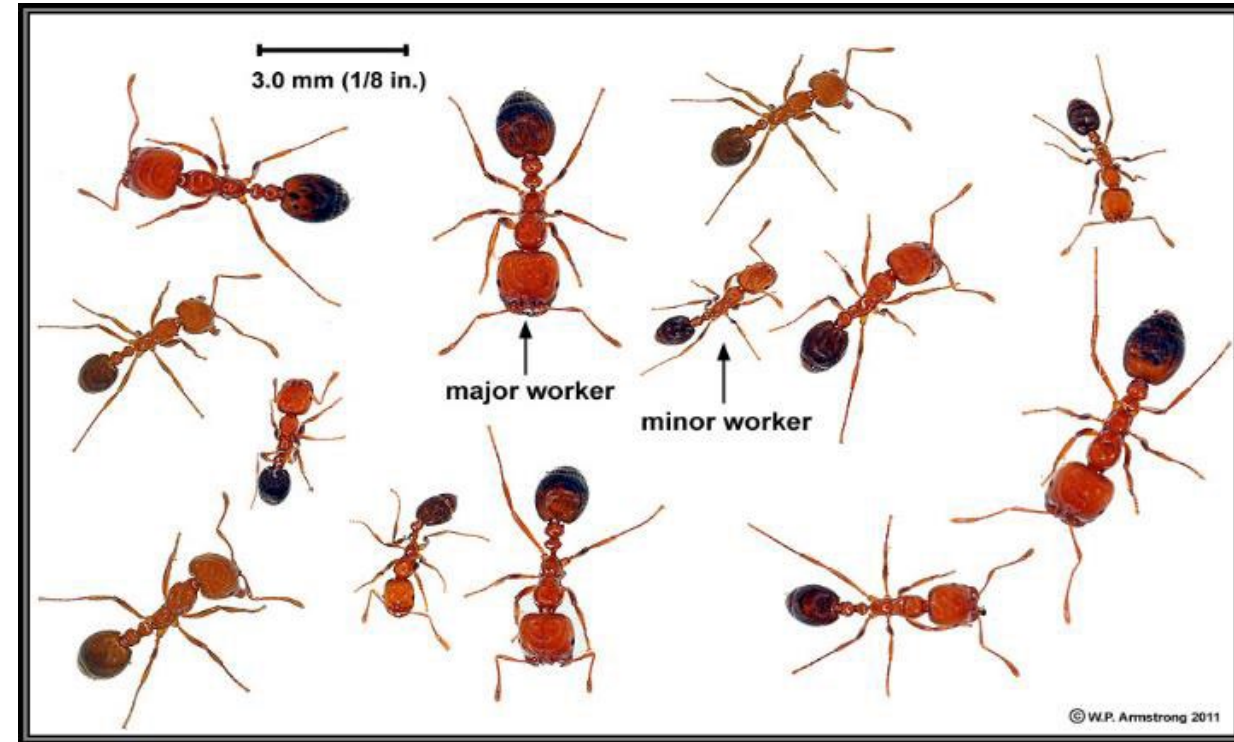
- Using snap-traps to control rats is an acceptable, efficient, and humane way to get rats under control
- Educating on rat attractants such as
  - Food sources
  - Habitat
  - Water



# Controlling Red Imported Fire Ants

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- RIFA are invasive ants that bite and sting
- RIFA differ from other common ants by their multiple sizes



# Red Imported Fire Ants

- Control for Red Imported Fire Ants
- Inspectors treat:
  - Schools
  - Golf courses
  - Common areas
  - Homes
- Ant baits are applied at 2 oz/acre





# Questions





# Associate Member Spotlight



**UMPQUA  
BANK**



**Vanessa Ryan**

SVP, Middle Market Relationship Manager  
Municipal Banking Division



**Anastasia Efstathiou**

VP, Client Solutions Manager  
Municipal Banking Division



# Independent Special District of Orange County



January 26, 2023



**CSIDA**  
★  
ENDORSED  
AFFILIATE



# Technology Where You Need It

Get our innovative payment technology on-the-go with all our Commercial Card capabilities connected to your wireless device.

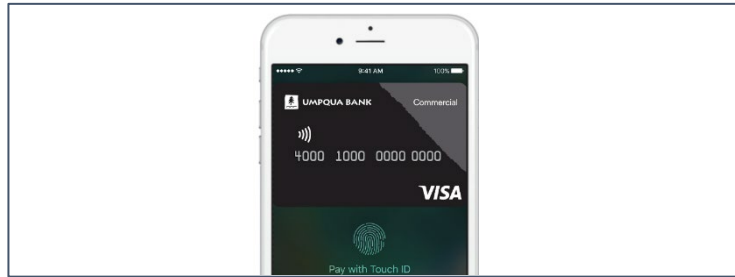


## Contactless Card

It's fast and easy to use—just tap and go on applicable card readers

One-time codes ensure each unique transaction is secure

Reduce your contact with people and surfaces



## Mobile Wallet

Easy to shop online and in store with instant approvals and tap-to-go technology

Lighten your pockets! With the mobile wallet, you reduce the need to carry physical cards



## Visa Commercial Pay

Request and deploy virtual cards on-demand

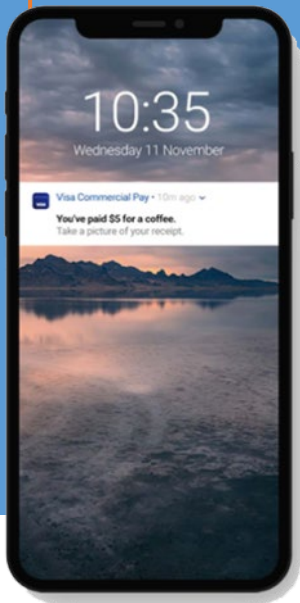
Digitally issue virtual cards to employee and contractor's mobile devices

Centrally manage business travel spend

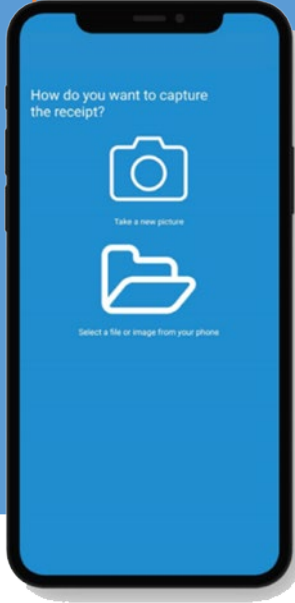
# Instant Issue

Virtual cards for vendors, travelers and contractors

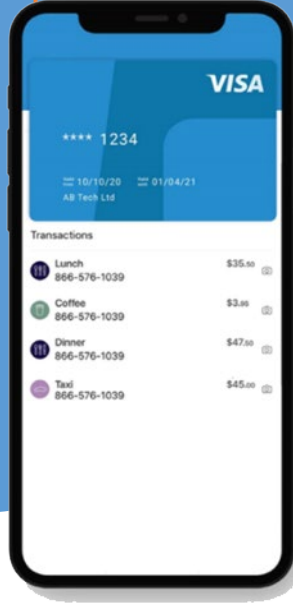
Real-time notifications to remind users to take pictures of their receipts as they spend.



Add a receipt with a picture or forward it from an email.



Review transactions for each card.



## • Flexibility and Control

- Users can request cards from their phones
- Approvals by default, hierarchy, or combination
- Unique virtual cards sent for single or multi use
- Spend limitations can be set to include transaction, time frame, merchant types
- Capture required coding and receipts via the app
- Control centrally or distribute “pools” of funds to project, department, or task managers
- Company level controls and reporting via web portal

## • Digital

- Mobile Wallets-Apple Pay, Google Pay, Samsung Pay
- Instant issuance of card to the app
- Push the card to phone wallet for tap to pay functionality (q1 2022)

## Revenue Share Opportunity

Umpqua Bank offers CSDA members revenue share designed to reward your current activity and achieve your company's growth and implementation goals.

# 1.00%

On annual spend exceeding \$1.00



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VP, Client Solutions Manager  
916-774-3923

[AnastasiaEfstathiu@UmpquaBank.com](mailto:AnastasiaEfstathiu@UmpquaBank.com)

# Thank You

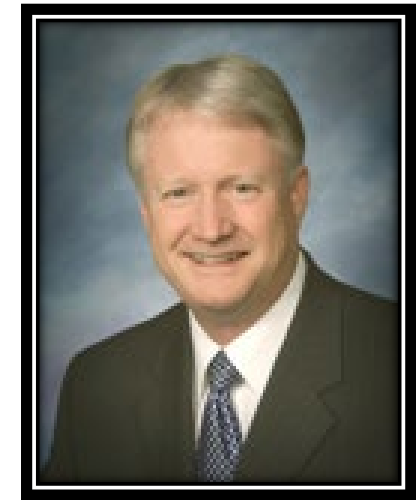


**Together**  
for better

# Reports

## Executive Committee Report

Mark Monin  
Director, El Toro Water District



# Reports

## Treasurer's Report

Saundra Jacobs

Director, Santa Margarita Water District





# Reports

## CSDA Report

Arlene Schafer

Director, Costa Mesa Sanitary District



# Reports

## LAFCO Report

James Fisler  
Director, Mesa Water District



# Reports

## ACWA Report

Saundra Jacobs

Director, Santa Margarita Water District

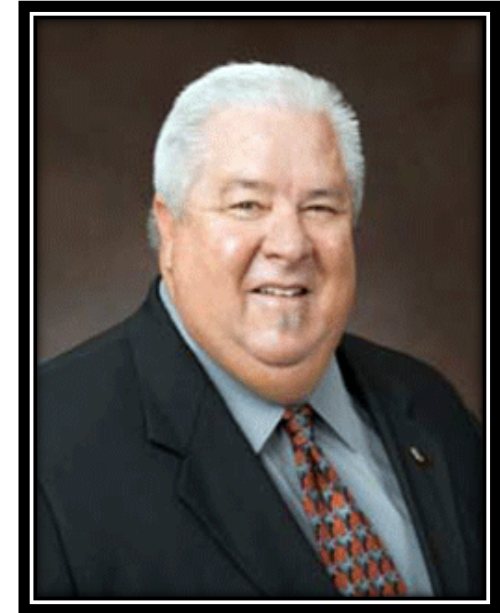


# Reports

**OCCOG Report**

**Mike Scheafer**

**Director, Costa Mesa Sanitary District**





# New Business/Announcements/Closing Comments

**Next ISDOC Executive Committee Meeting is  
Tuesday, Tuesday, February 7, 2023**

**Next ISDOC Quarterly Luncheon is March 30, 2023**

