Santa Ana River Watershed Conference

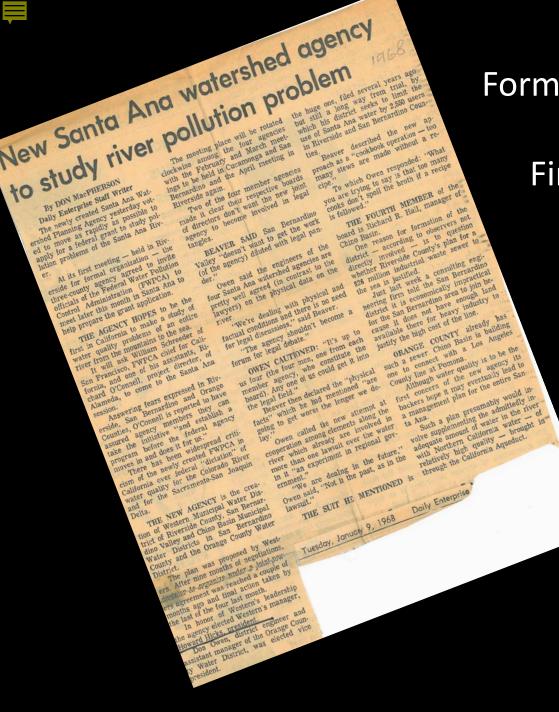
21st Century Water Strategy: Working Together to Make a Finite Resource Infinite

May 25, 2017 • Ontario Convention Center



ONE WATER

SAWPA Celeste Cantú General Manager May 25,2017



Formed in 1967

has

First meeting Jan 1968

To study water quality on a watershed scale

> Later moved to comprehensive watershed management





Inland Empire Utilities Agency A MUNICIPAL WATER DISTRICT

RECYCLED W

43.04

100

IEUA MISSION STATEM Inland Empire Utilities Agency is a essential services in a regionally health, promoting economic devel

ras of service: c and supplying imported high-quality renewable cycled water, composi

BLE ENERGY

1 MW similar turbine 2.5 MW for





19th Century California Water Management

20th Century California Water: Conveyance Projects

Sacram ento

Redding

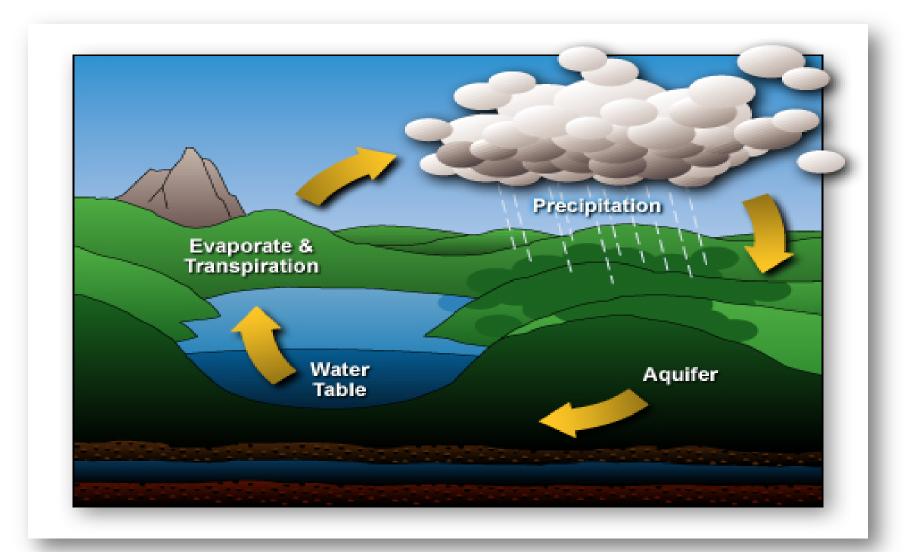
San Francisco

Fresno

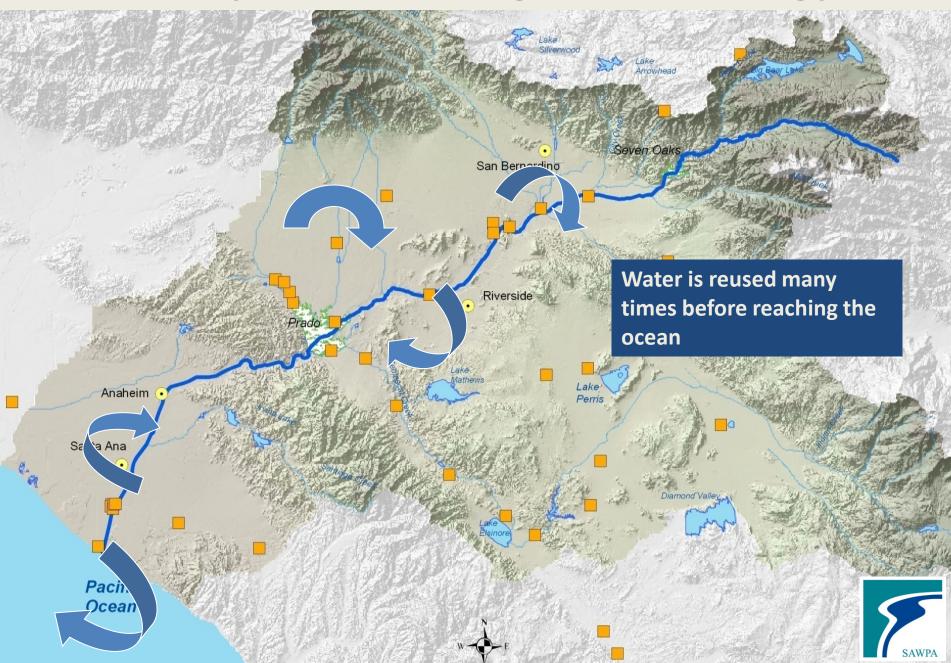
Angeles

Diego

The Hydrologic Cycle



21st Century Water Management Strategy



First OWOW Meeting April 2007



Santa Ana River Watershed's Six Horsemen of the Apocalypse

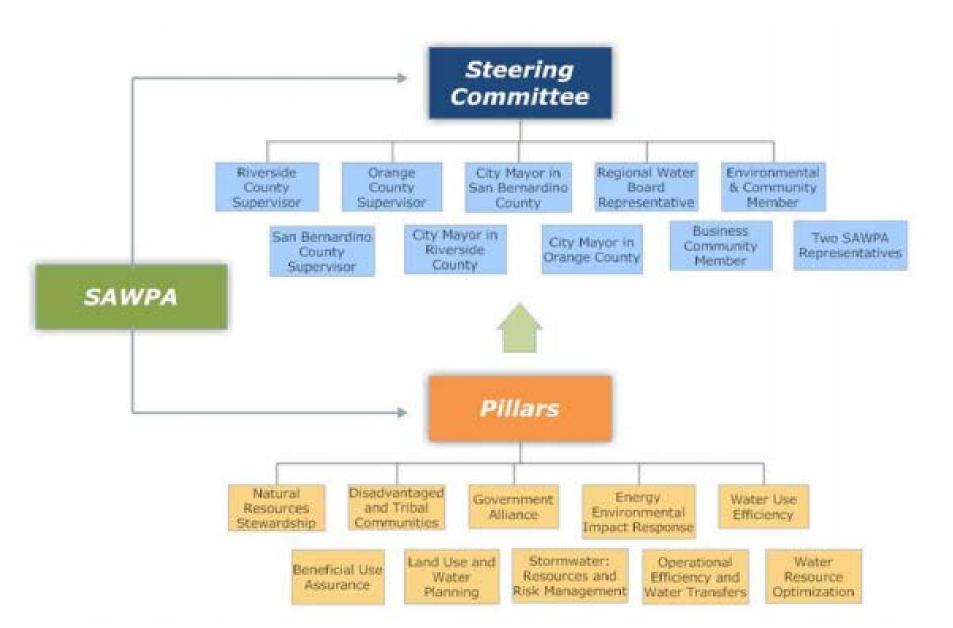
Fiscal Crisis

Colorado River Climate Change Sacramento Delta U Hard

^o Energy Urban Hardscaping



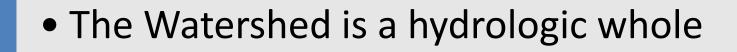
OWOW Governance





3

The Watershed approach



- Working in concert with nature is cost effective
- See each problem as interrelated, seek efficiencies and synergies



1

2

3

Create A New

 OWOW is a shared Vision for the Watershed

Breakthrough innovations

Create a Water Ethic



1

3

Collaborate Across Boundaries

As citizens of the Watershed, create synergies

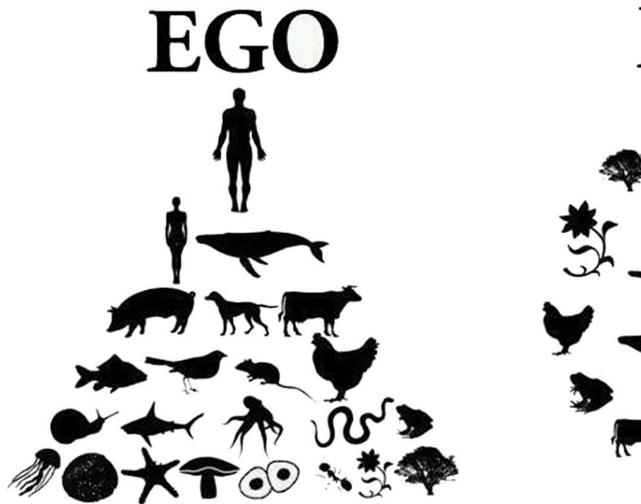
No ONE can do it alone

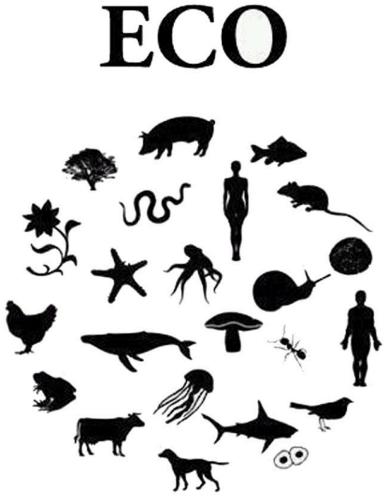
•Think Big!

Watershed Level Thinking













Collaboration is not about gluing together existing egos. It's about the ideas that never existed until after everyone entered the room.



Meet Conflict and make him your friend.







Hard Path & Soft Path









June 2005: 897.12 Feet Elevation - 3,492,262 Acre Feet



Lake Oroville Jan 2015



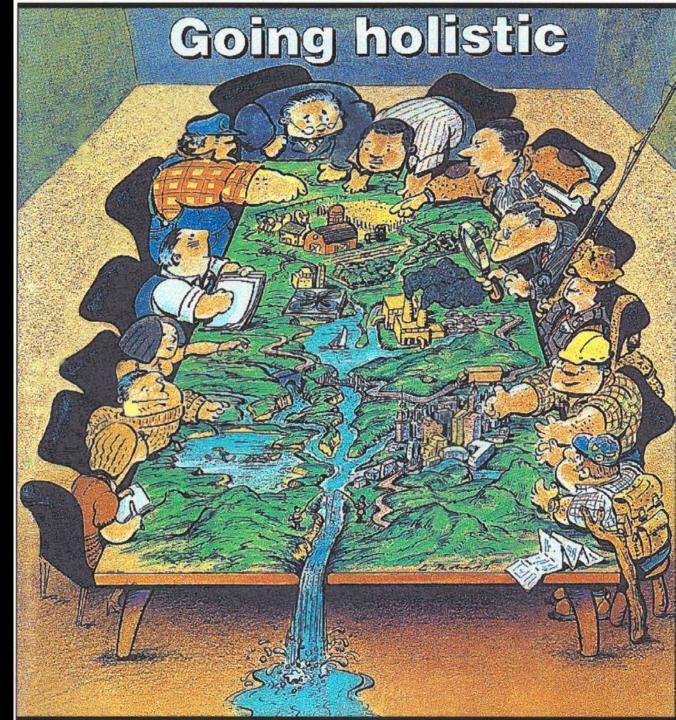


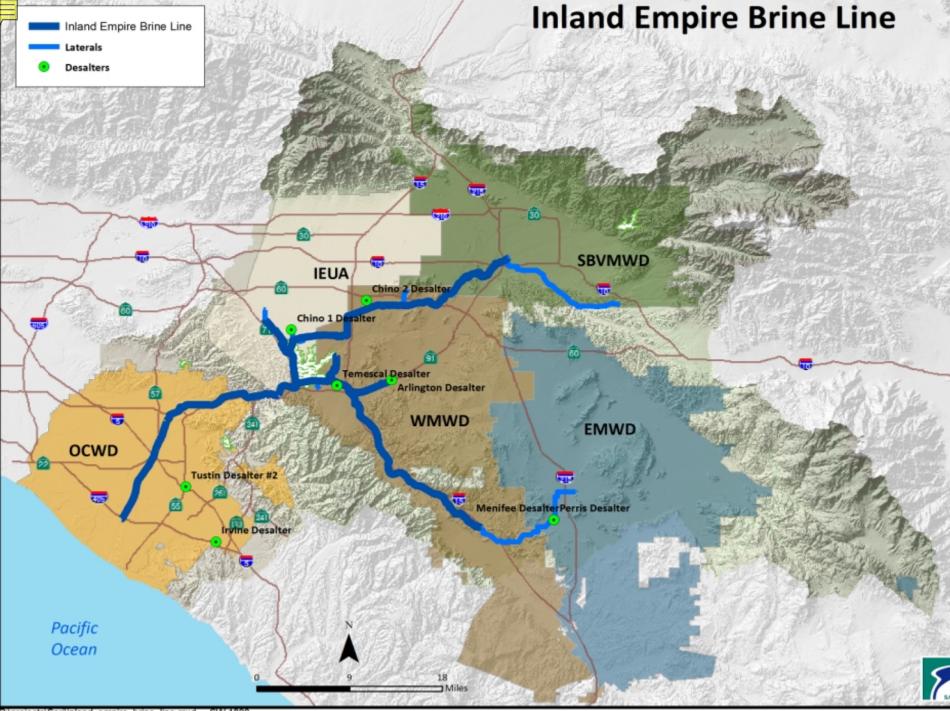
Improving Coordination Water Management & Land Use Planning





Water must be at the table

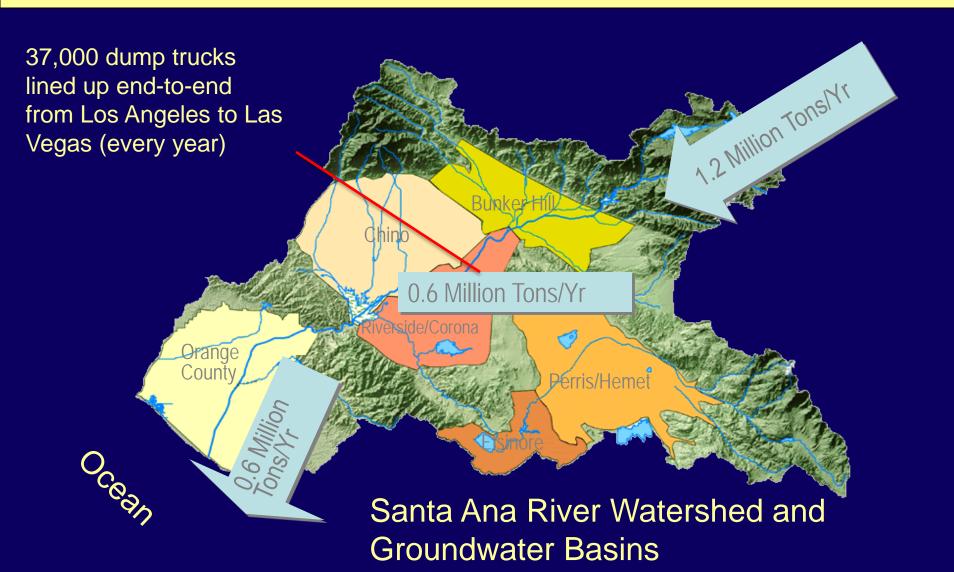




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Salt Accumulation







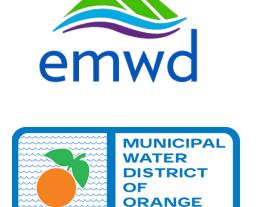








High Visibility Turf Removal and Replacement









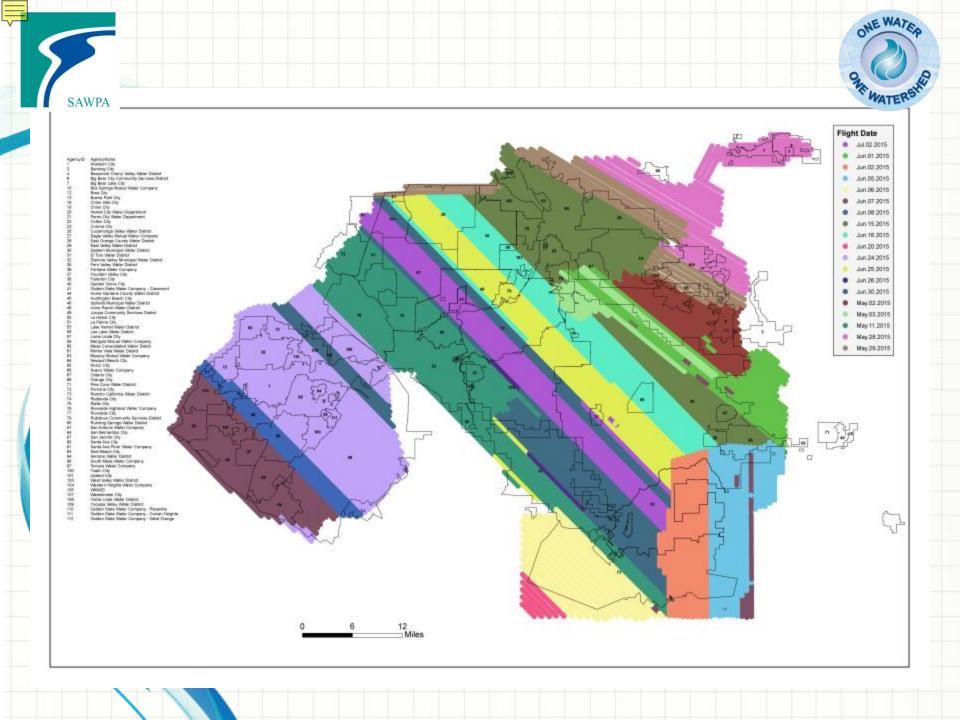


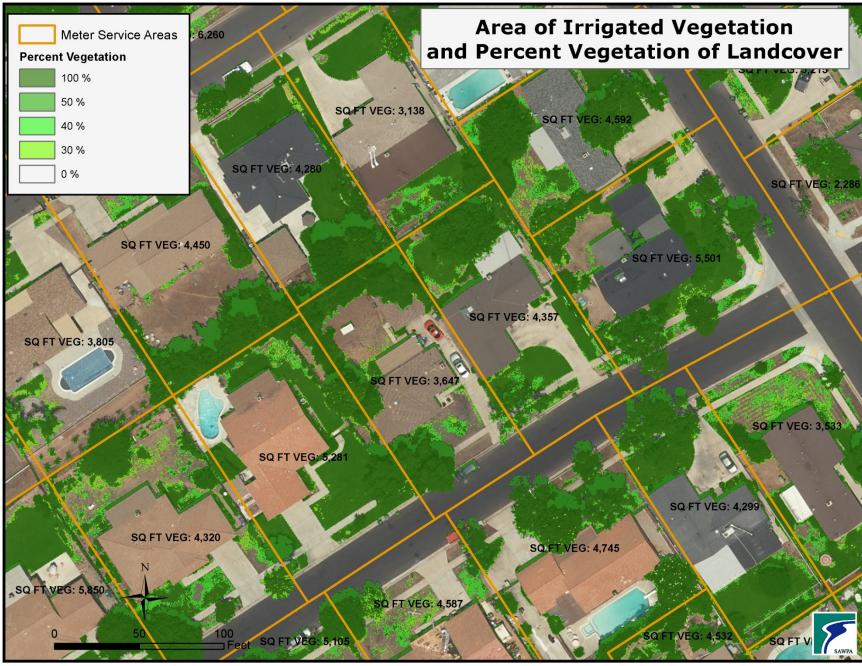
COUNTY





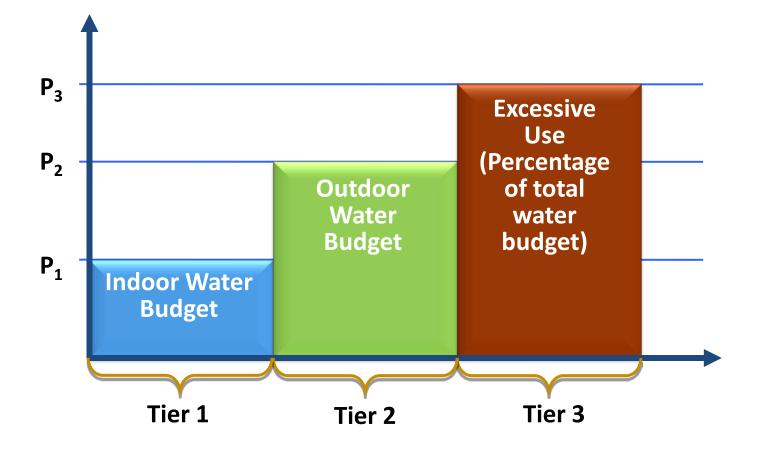


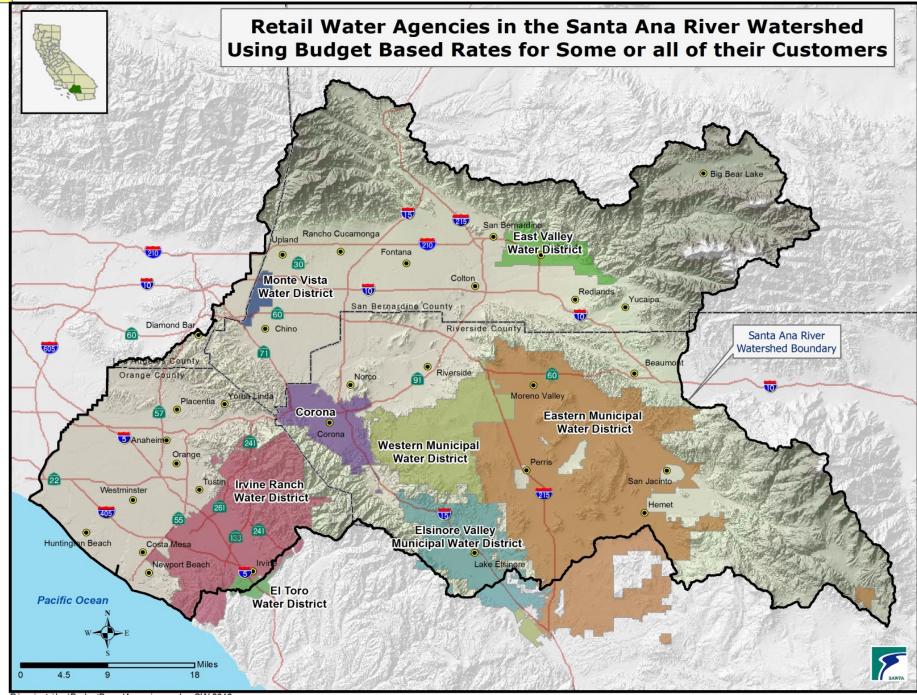




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WATER BUDGET TIERED RATE





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Forest First

Defining Ecosystem Services

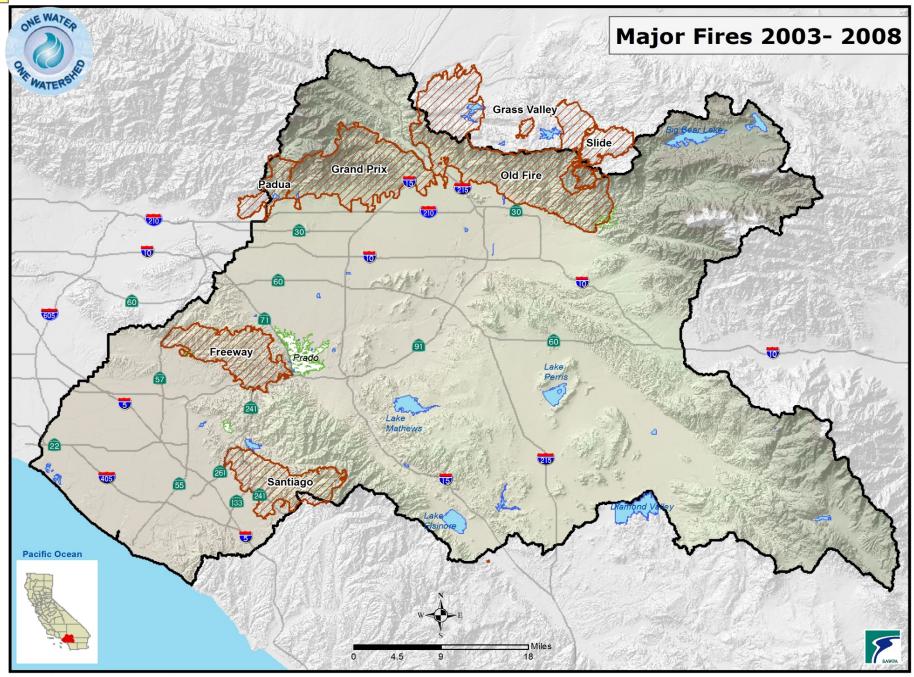
Santa Ana River TRAILHEAD

SAN BERNARDINO National Forest

Three Numbers to Remember

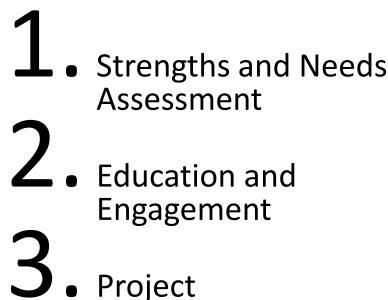
33%
90%
60%





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Disadvantaged Communities Involvement







- Disadvantaged and Tribal Communities Pillar
 - DCI Program Technical Advisory Committee

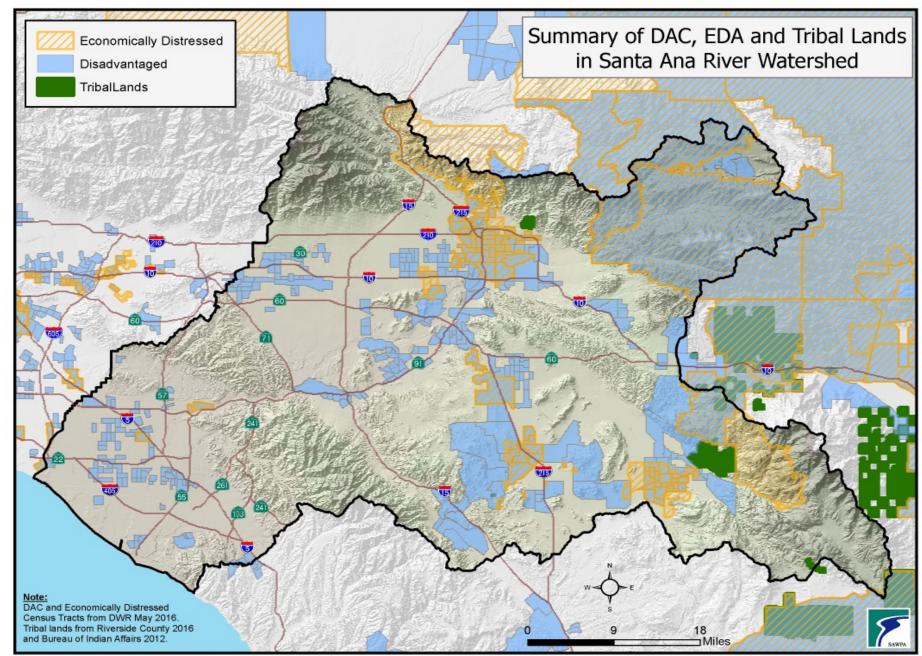












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Water Energy Community Action Network







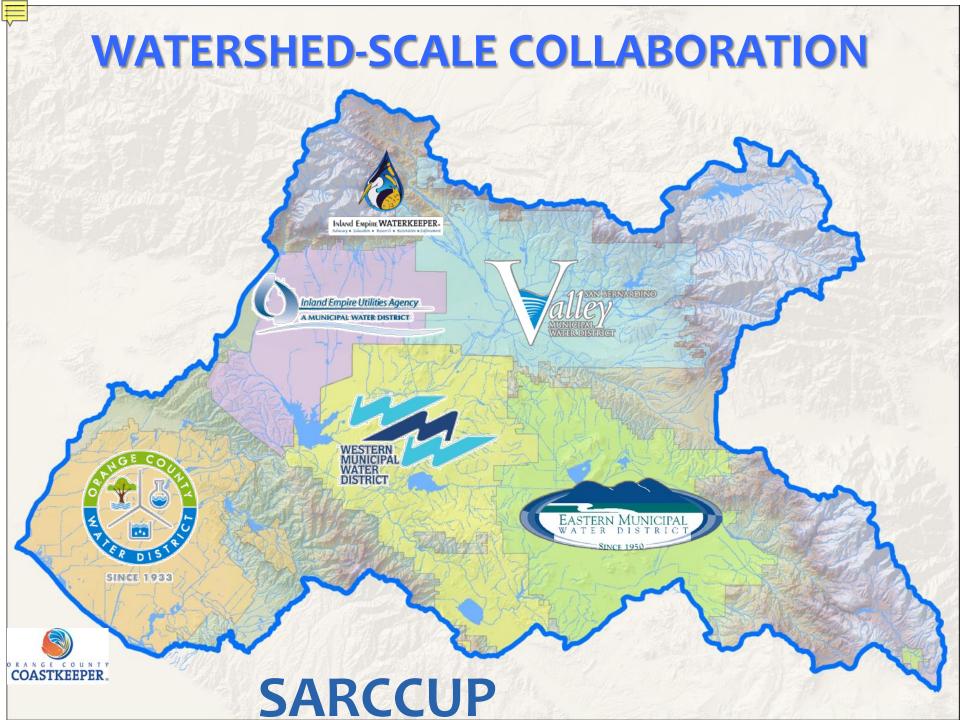








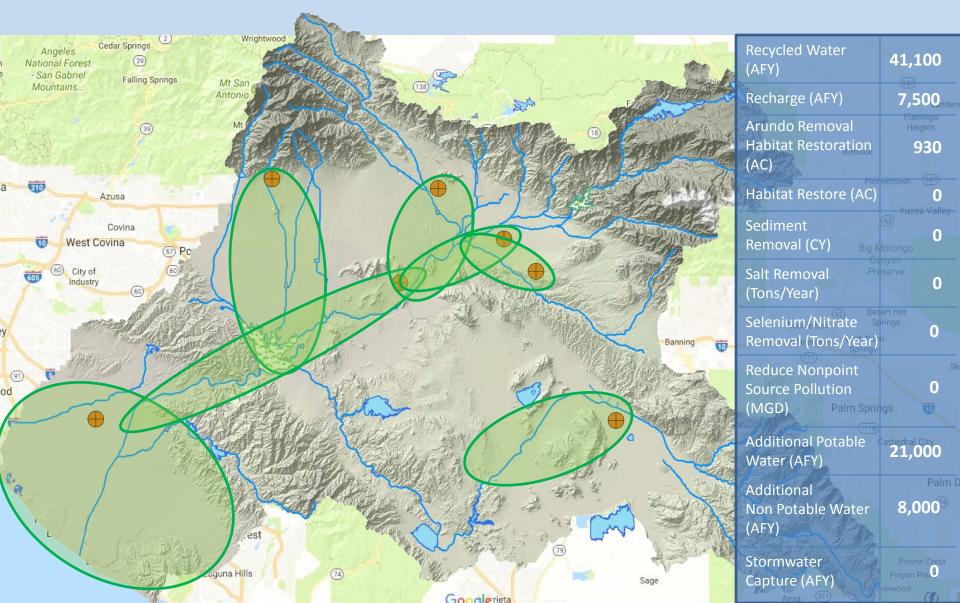






OWOW Projects Map

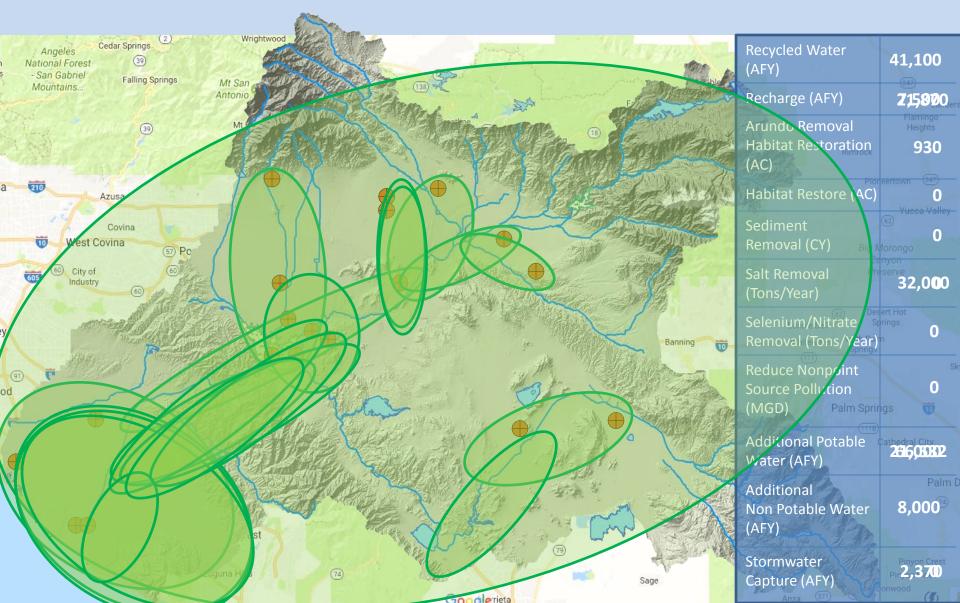






OWOW Projects Map

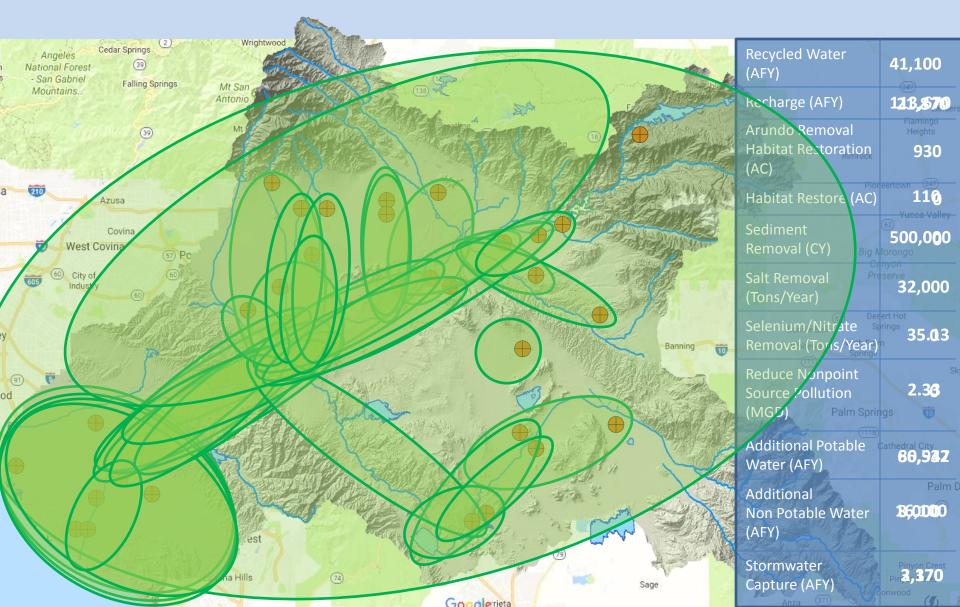






SAWPA

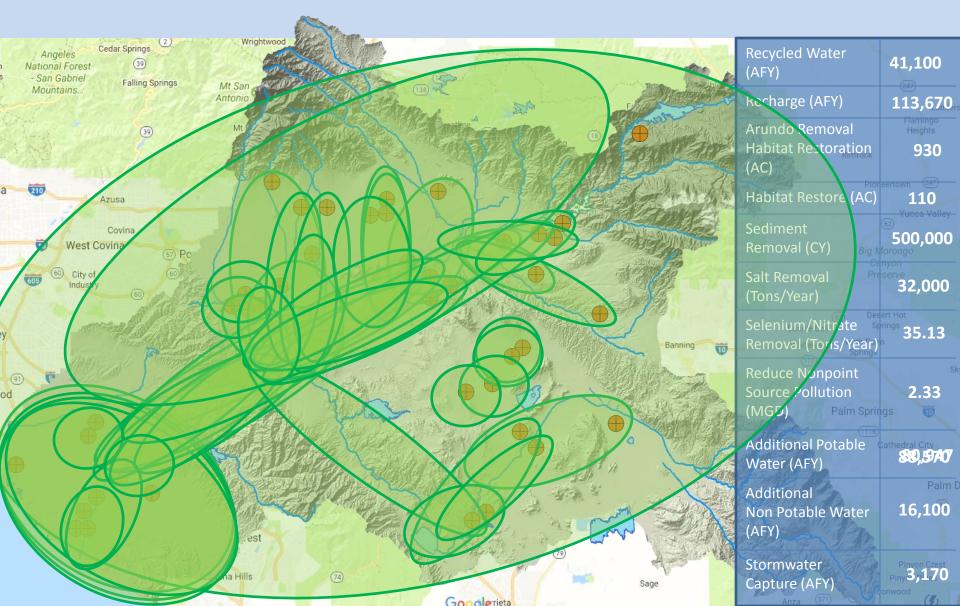






SAWPA

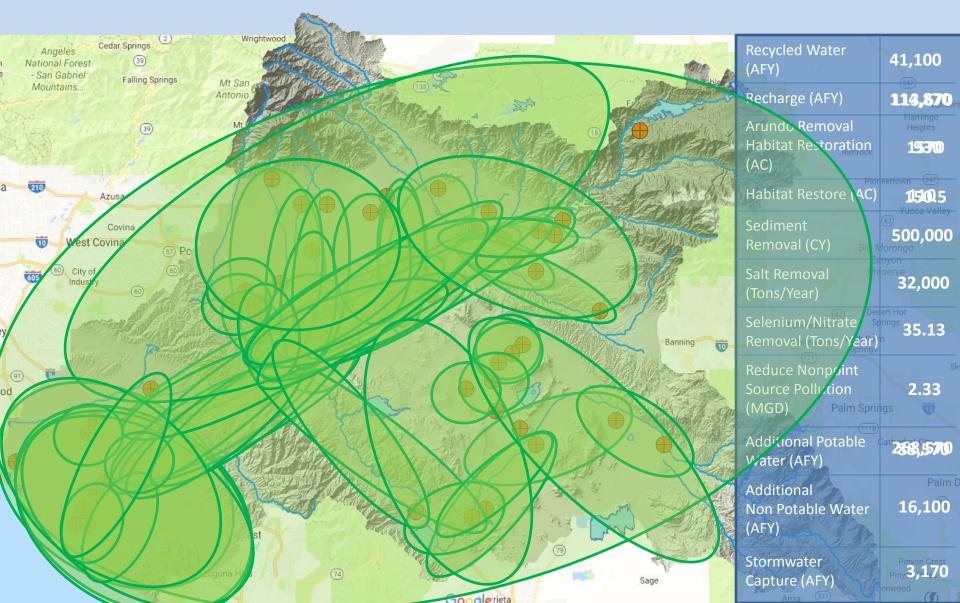






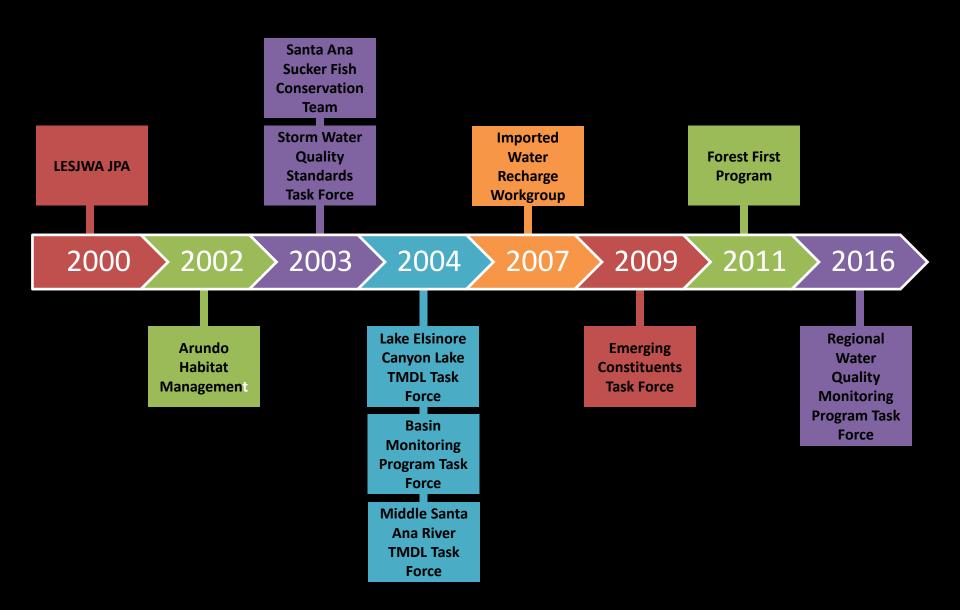
OWOW Projects Map







Roundtables

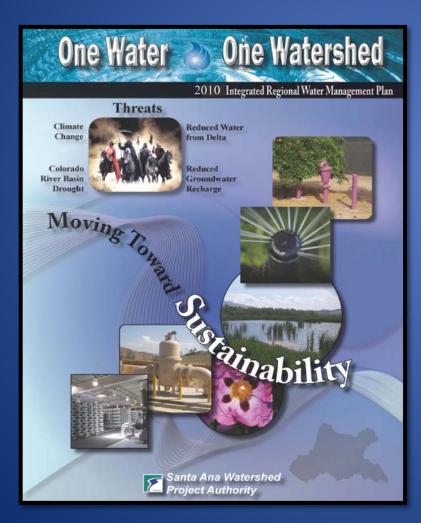


SAWPA's Stellar Staff.





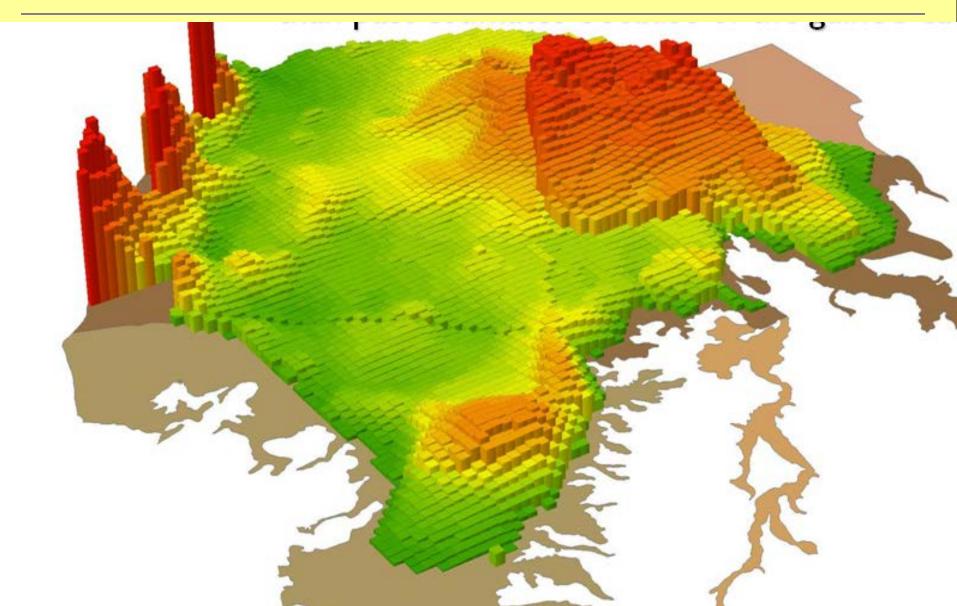
One Water One Watershed:





Salt Concentration







Increased Investment in the Forests

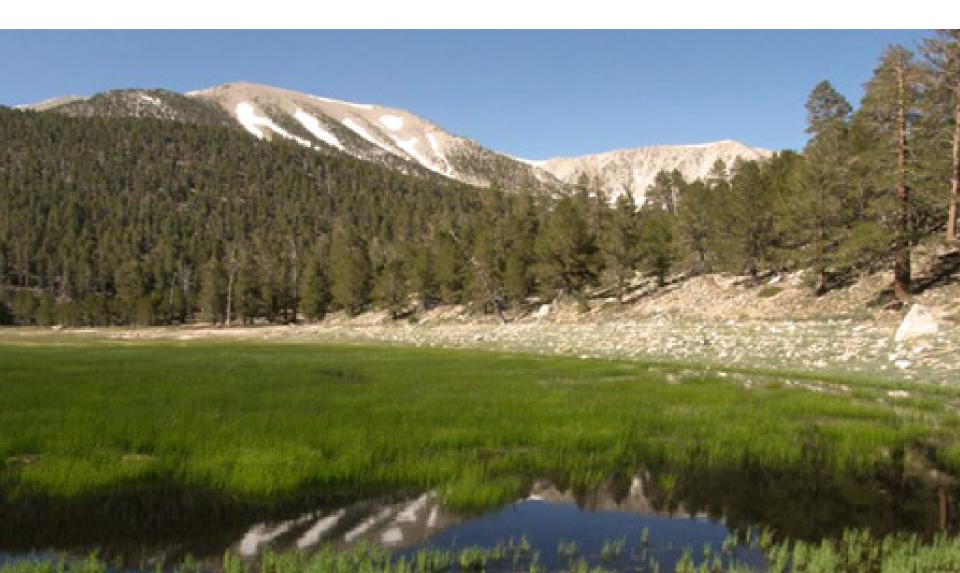


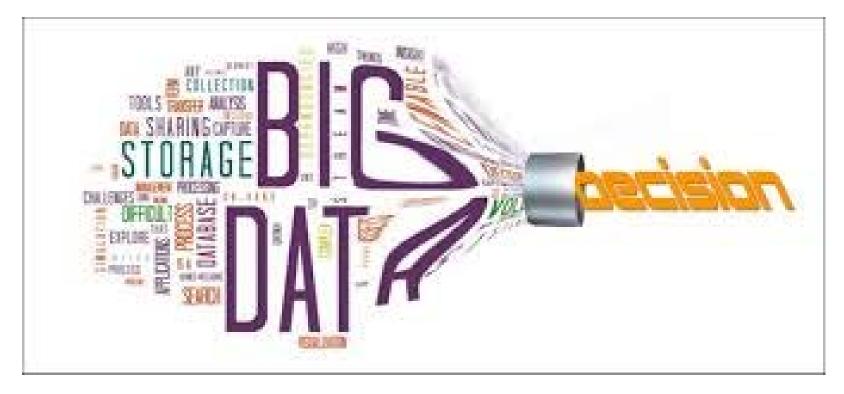
Photo: Jay Calderon/The Desert Sun)

Commercial, Industrial Landscape Transformation

LOZOZOZO

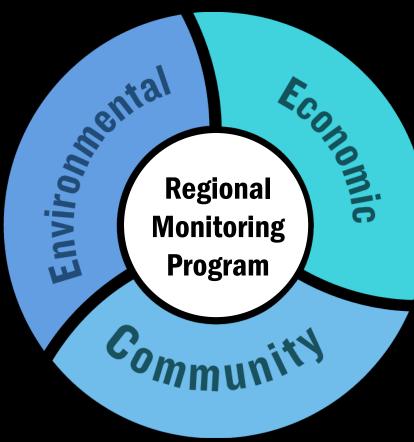


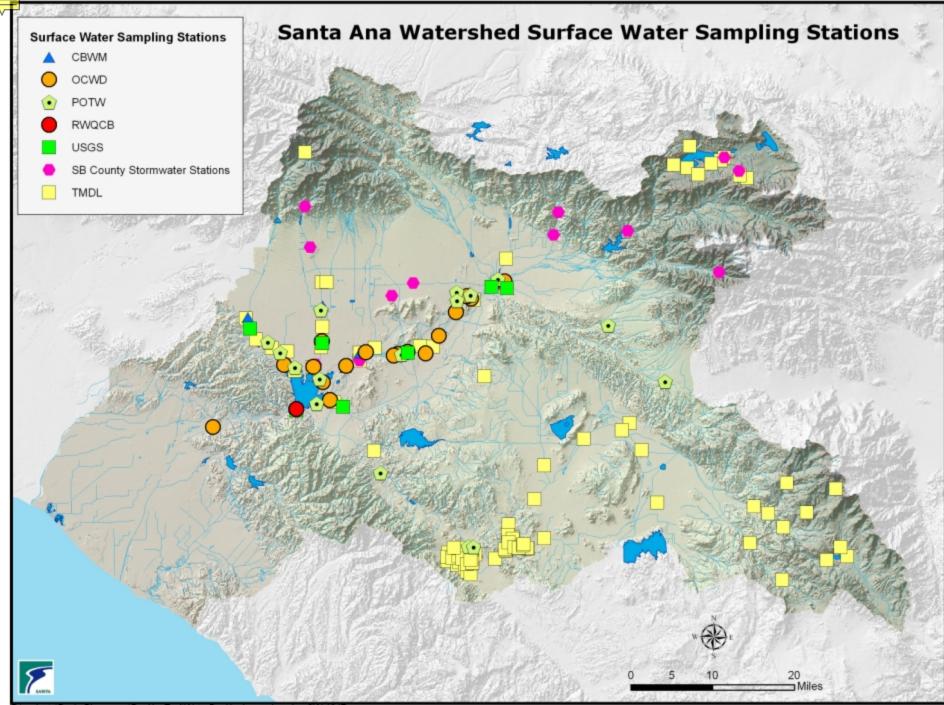
Data to create information, knowledge, and ACTION



Benefits of a Regional Monitoring Program

- Reduced region-wide monitoring costs
- Compliance along with peace of mind – your staff won't need to do the field work
- Reduced paperwork (both stakeholders and Regional Board)
- Voluntary program





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Emerging Constituents



Santa Ana Watershed Project Authority









How many gallons to produce a...?

