### Santa Ana River Watershed Conference

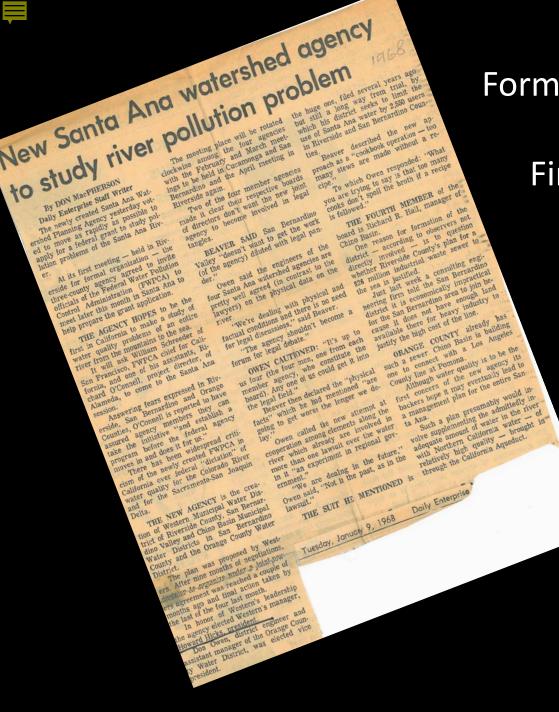
21<sup>st</sup> Century Water Strategy: Working Together to Make a Finite Resource Infinite

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





## 19<sup>th</sup> Century California Water Management

## 20<sup>th</sup> Century California Water: Conveyance Projects

Sacram ento

Redding

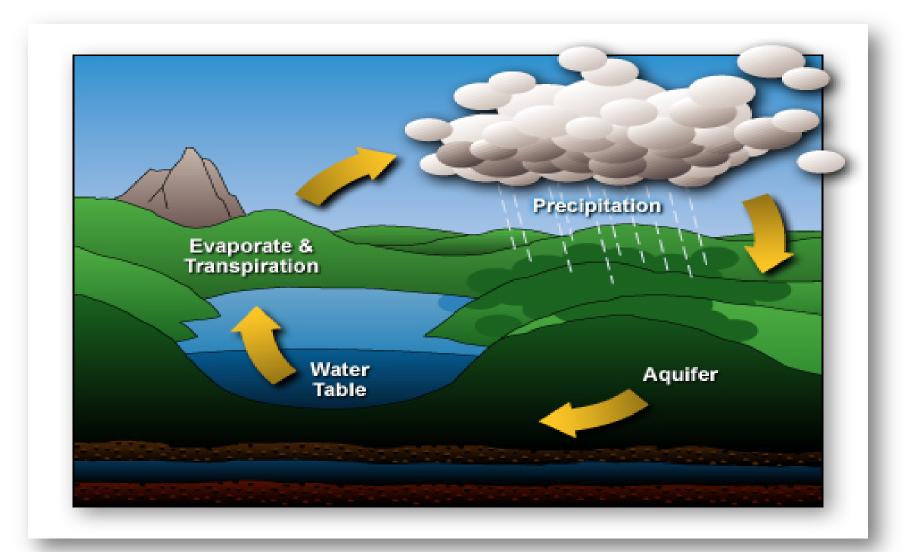
San Francisco

Fresno

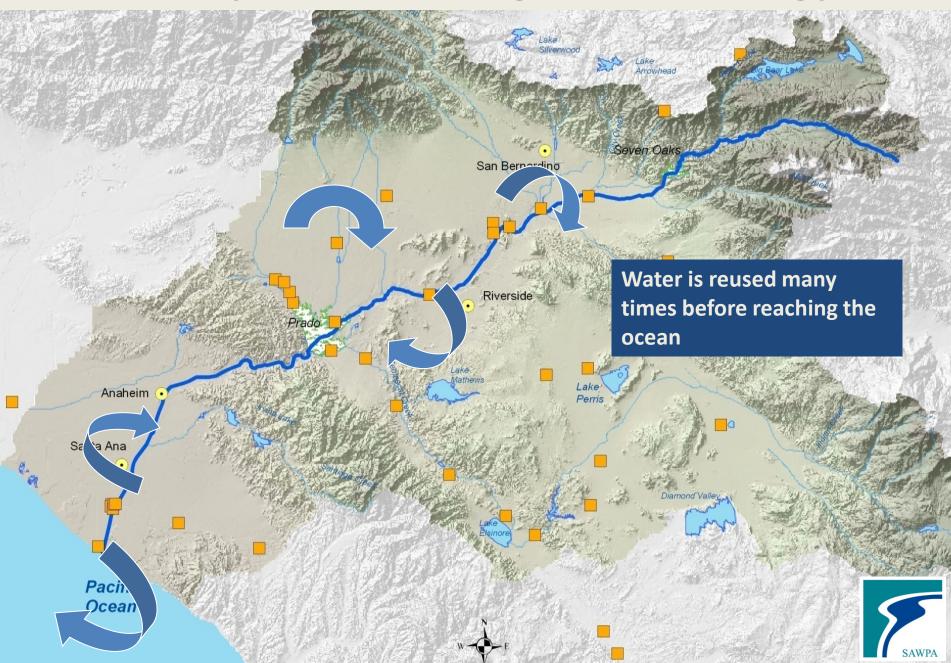
Angeles

Diego

## The Hydrologic Cycle



### 21<sup>st</sup> Century Water Management Strategy



### First OWOW Meeting April 2007



#### Santa Ana River Watershed's Six Horsemen of the Apocalypse

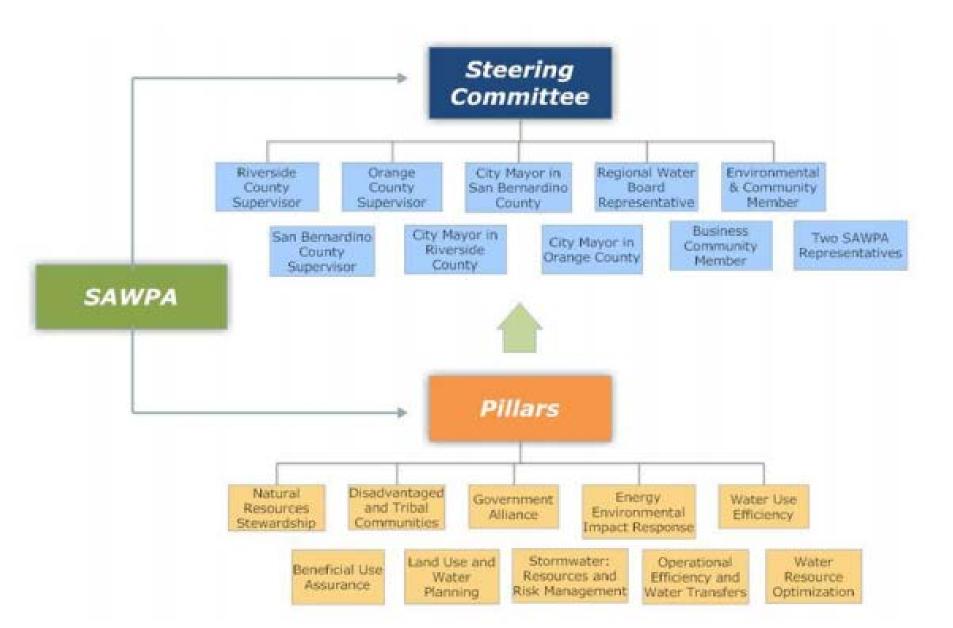
Fiscal Crisis

Colorado River Climate Change Sacramento Delta U Hard

<sup>o</sup> Energy Urban Hardscaping



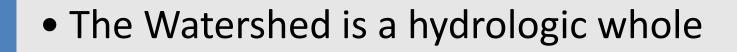
### **OWOW Governance**





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

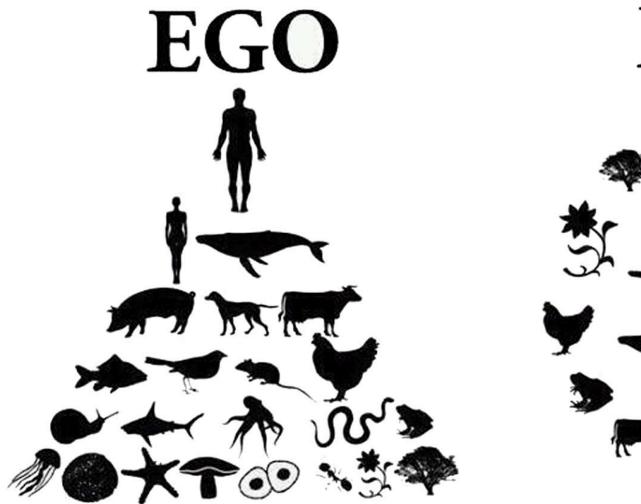
### No ONE can do it alone

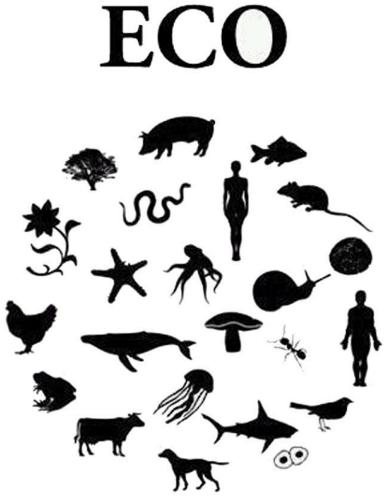
### •Think Big!

### 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



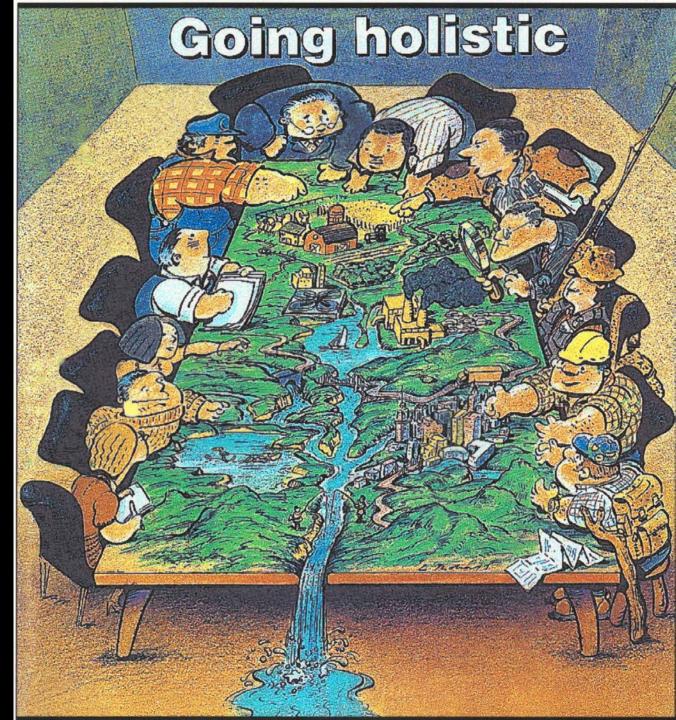


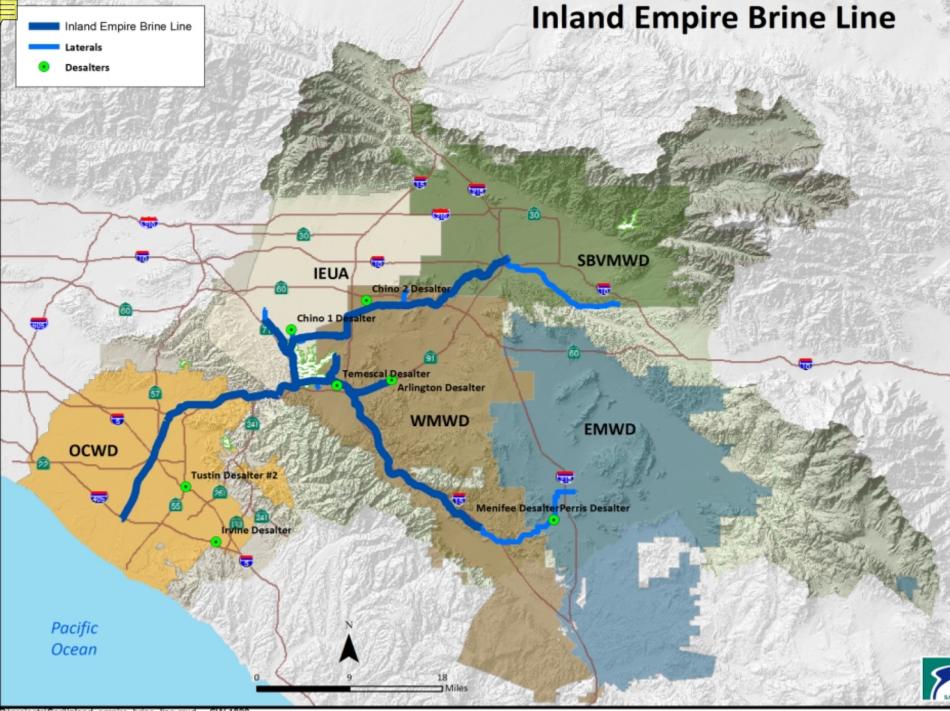
### Improving Coordination Water Management & Land Use Planning





### Water must be at the table





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### **Salt Accumulation**







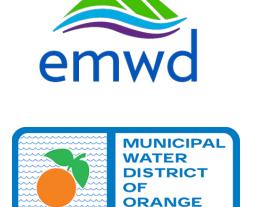








# High Visibility Turf Removal and Replacement









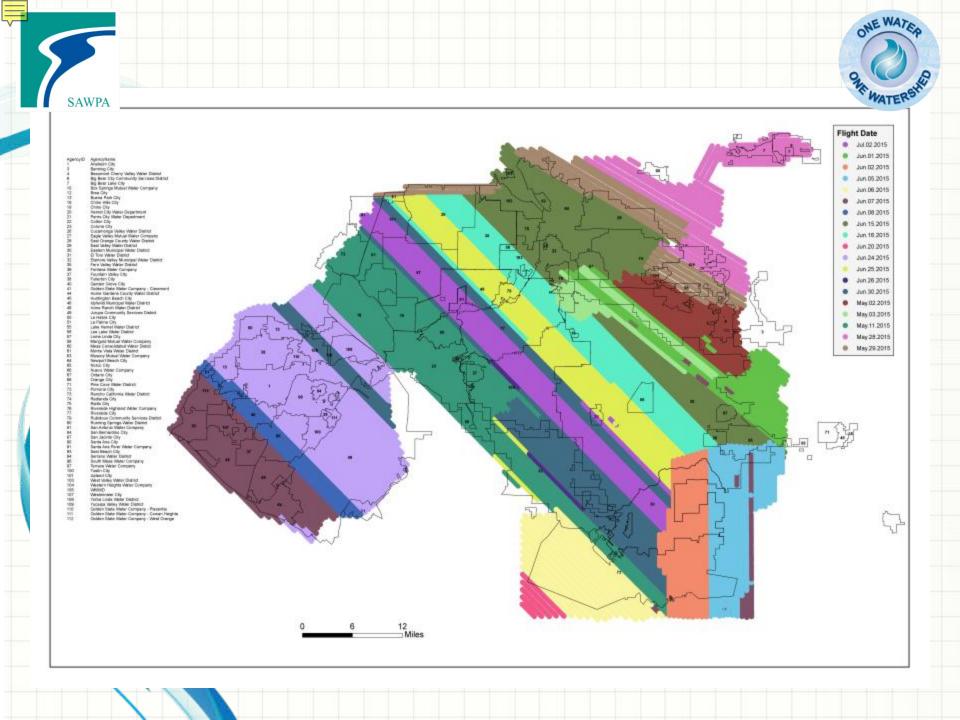


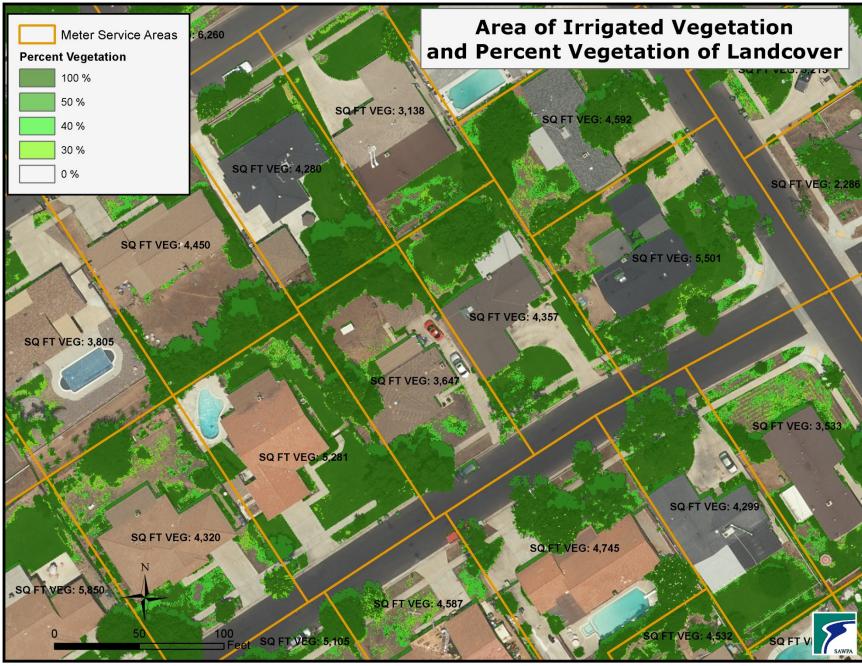
COUNTY





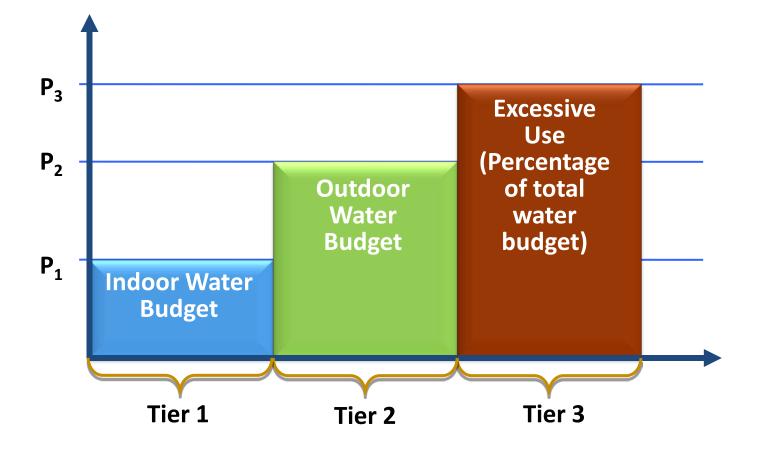


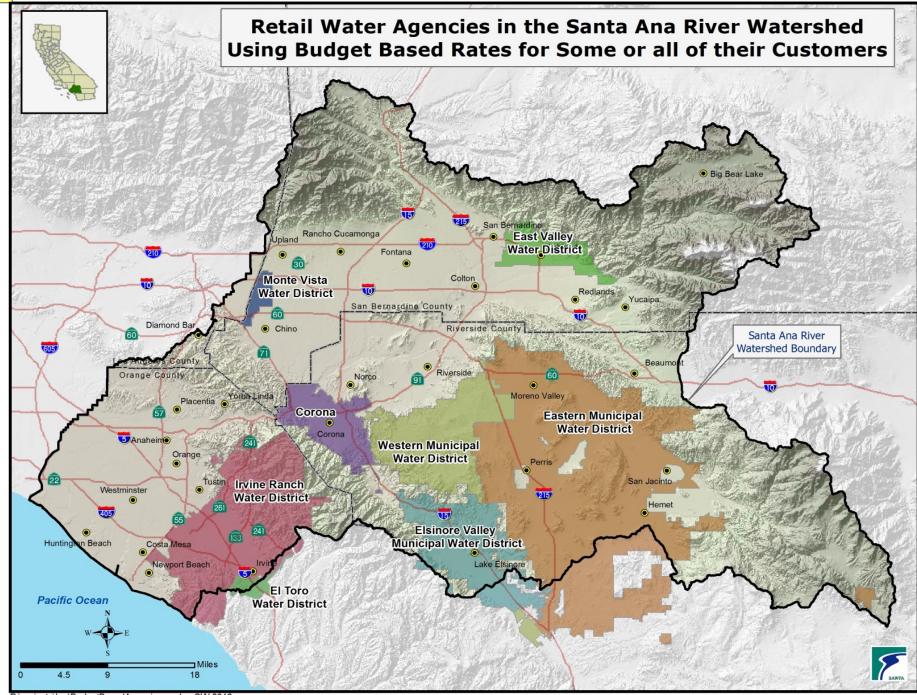




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### WATER BUDGET TIERED RATE





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## **Forest First**

**Defining Ecosystem Services** 

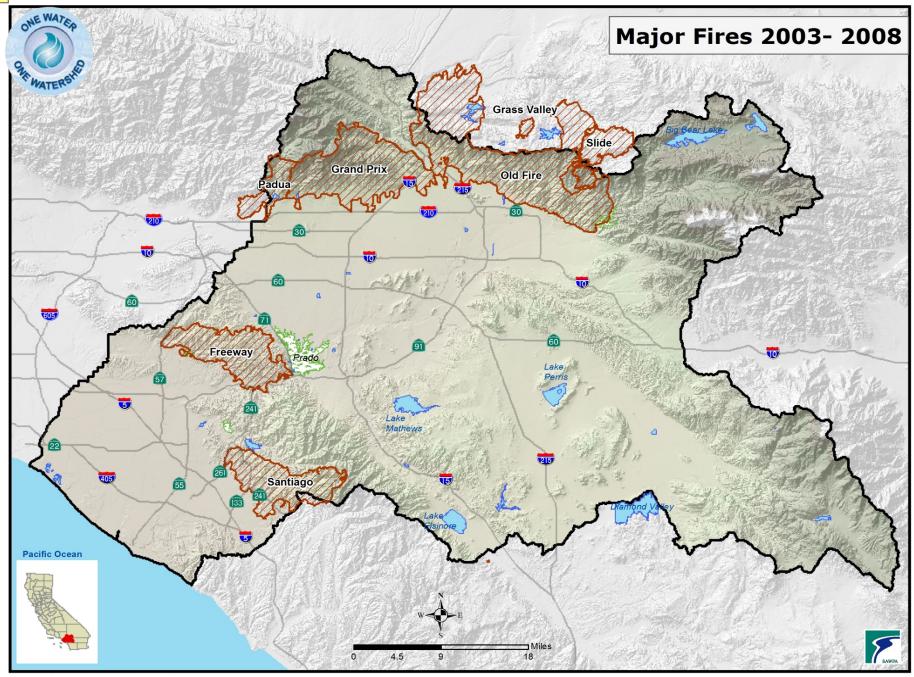
Santa Ana River TRAILHEAD

SAN BERNARDINO National Forest

# Three Numbers to Remember

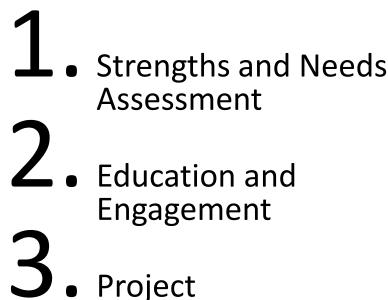
33%
90%
60%





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## **Disadvantaged Communities Involvement**







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

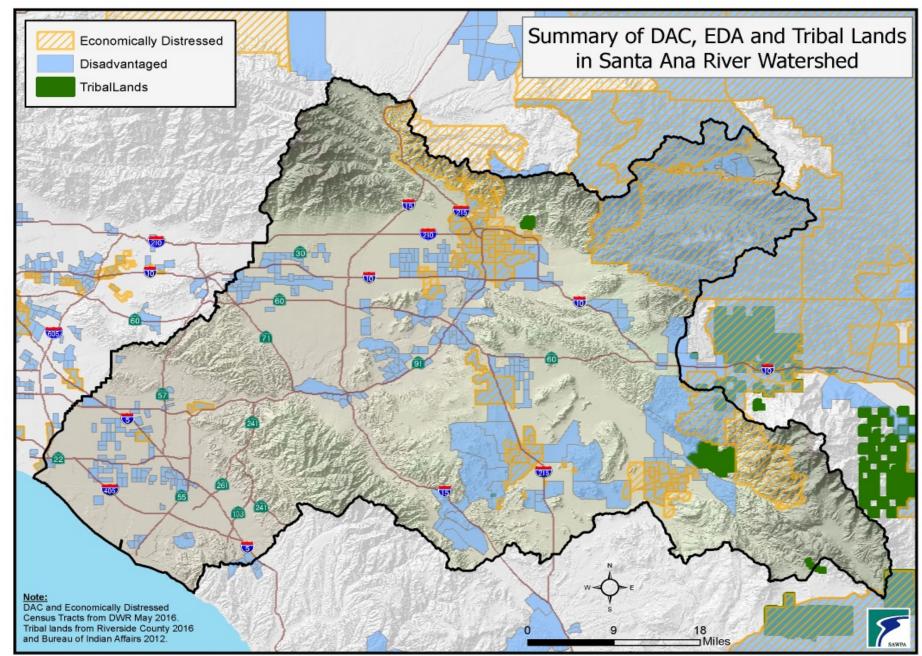












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## Water Energy Community Action Network







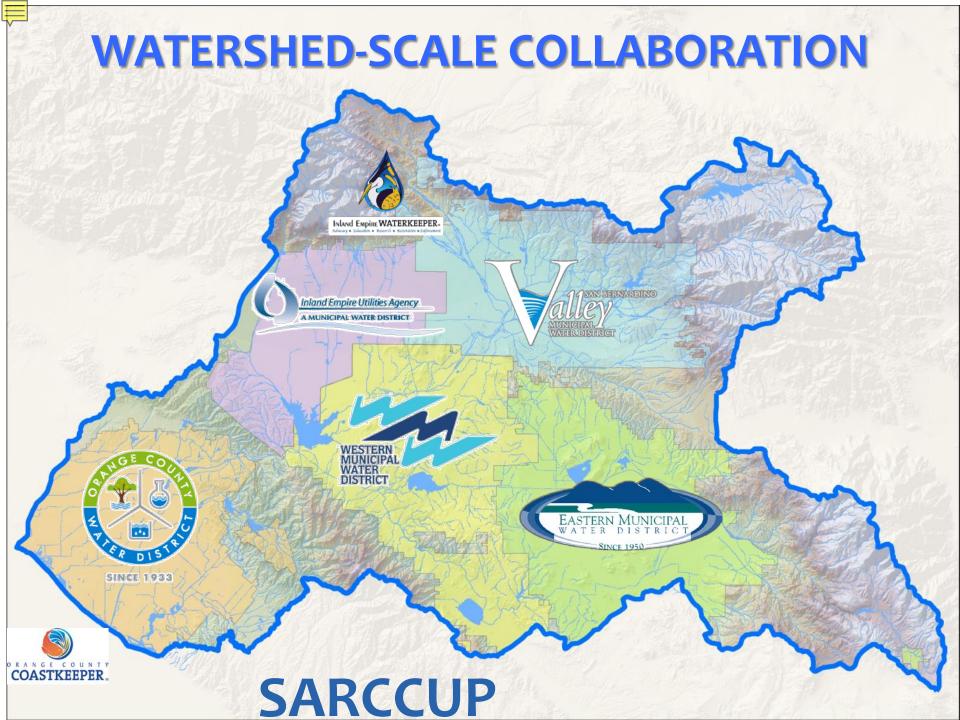








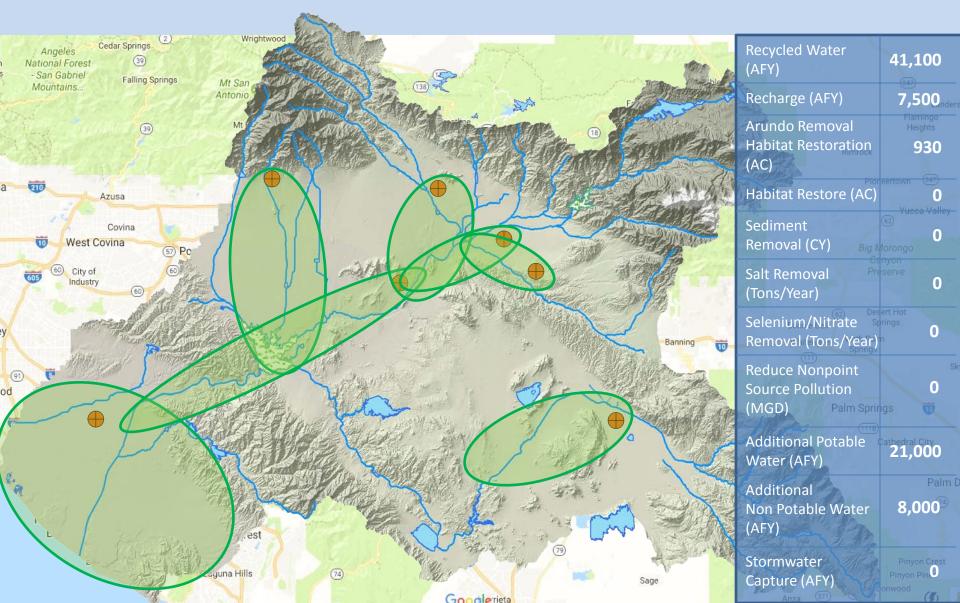






## **OWOW Projects Map**

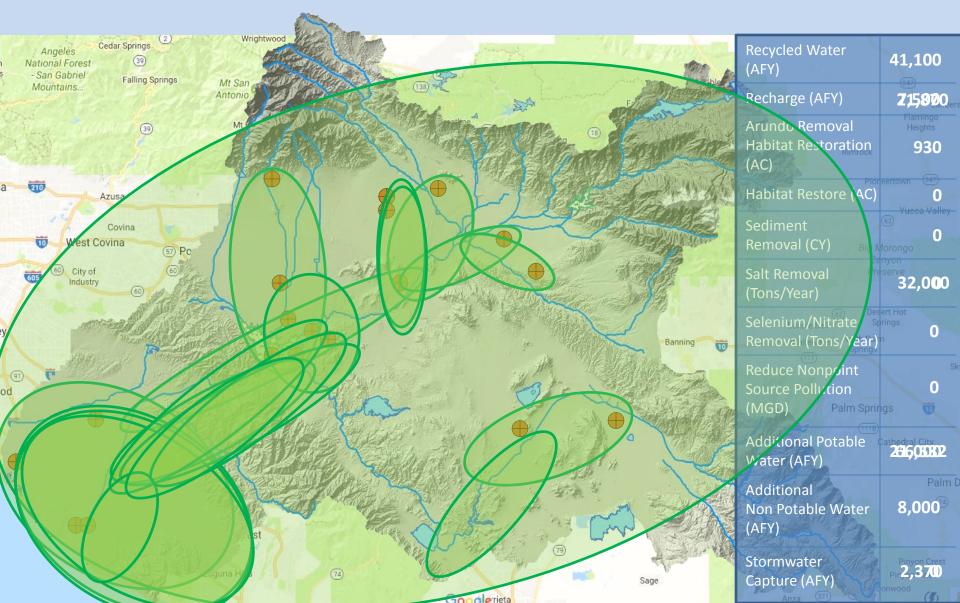






## **OWOW Projects Map**

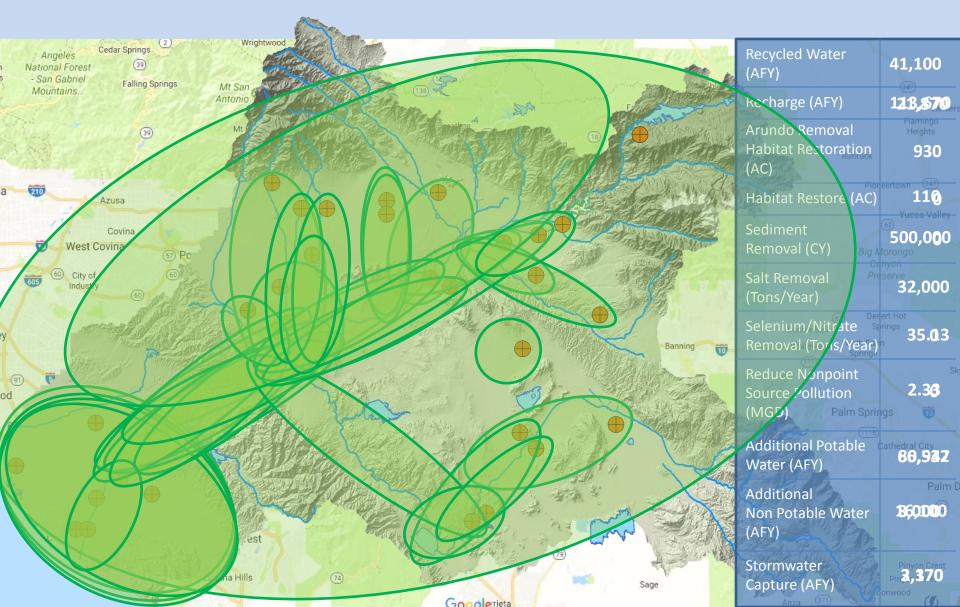






SAWPA

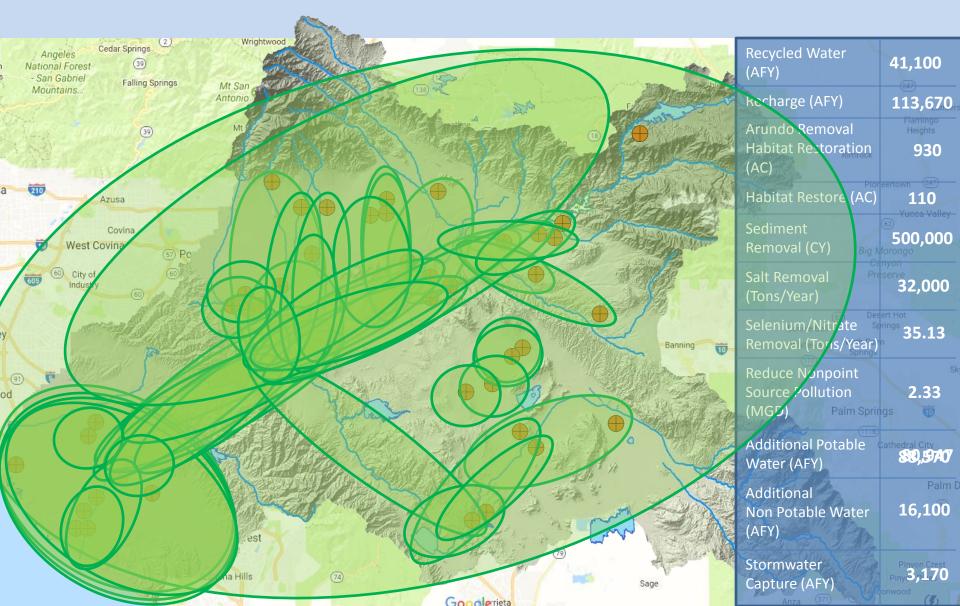






SAWPA

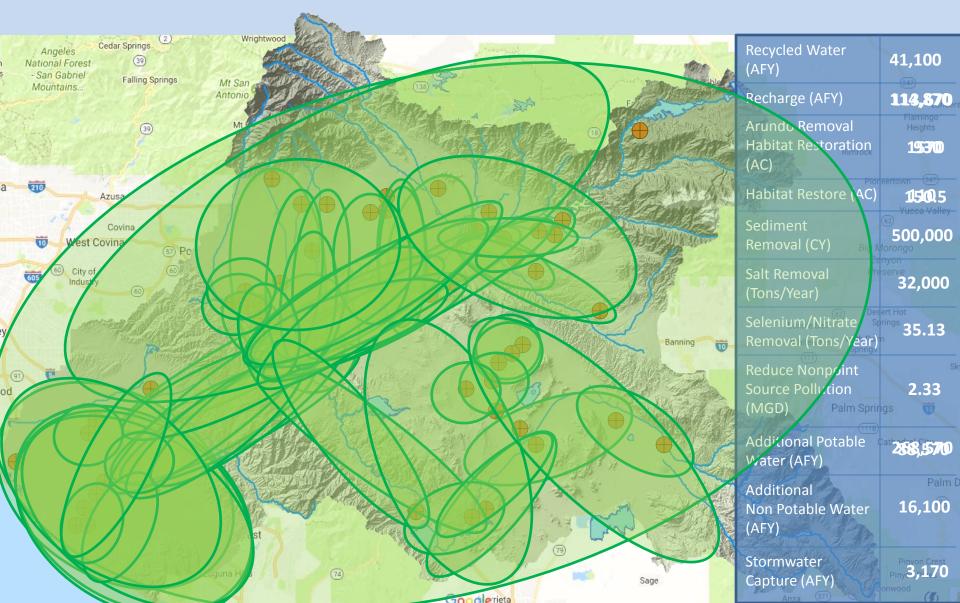






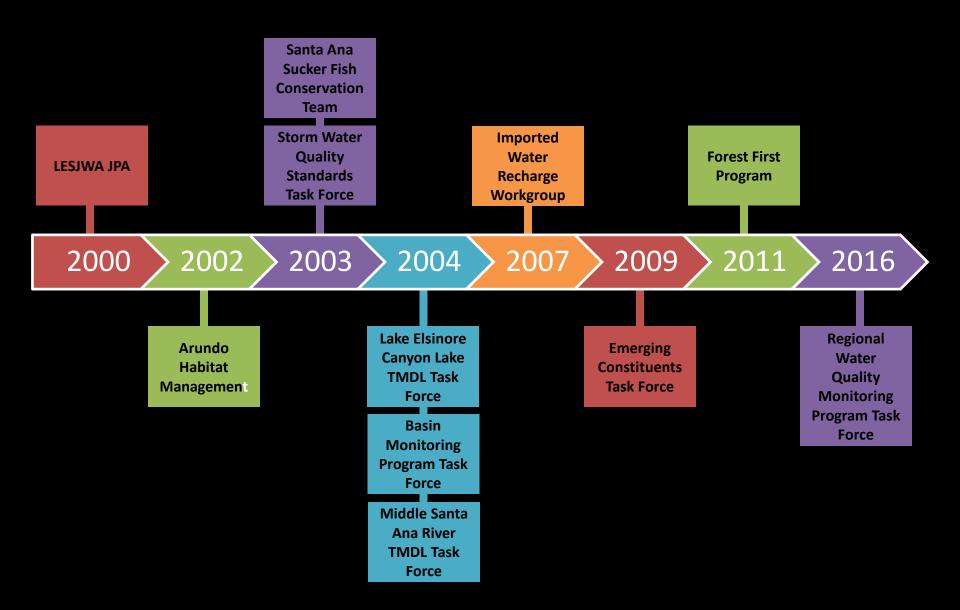
## **OWOW Projects Map**







#### Roundtables

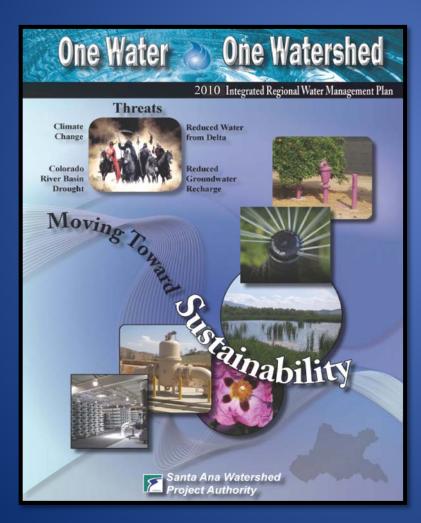


## SAWPA's Stellar Staff.





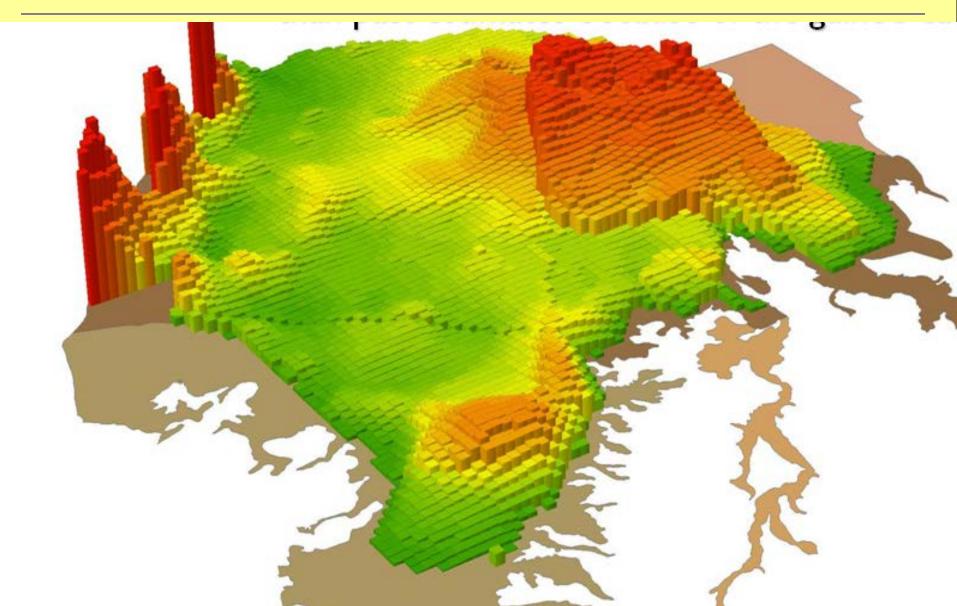
#### One Water One Watershed:





### Salt Concentration







#### **Increased Investment in the Forests**

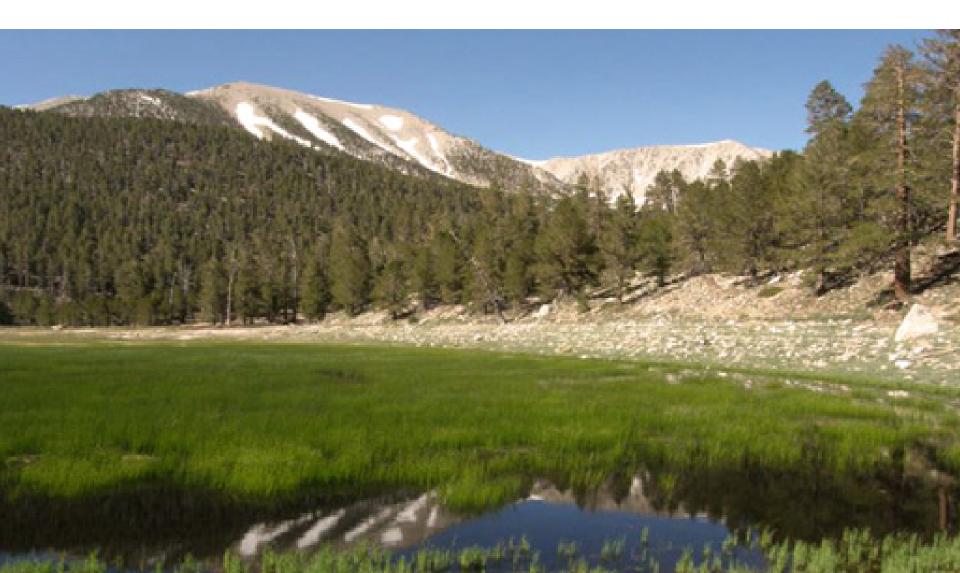


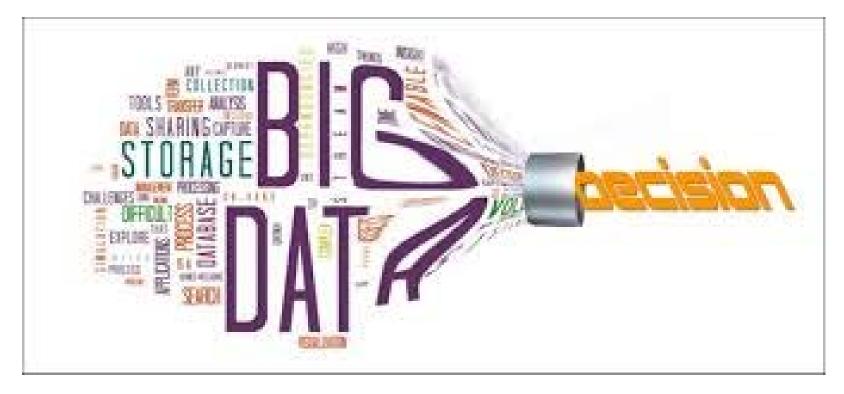
Photo: Jay Calderon/The Desert Sun)

## Commercial, Industrial Landscape Transformation

LOZOZOZO

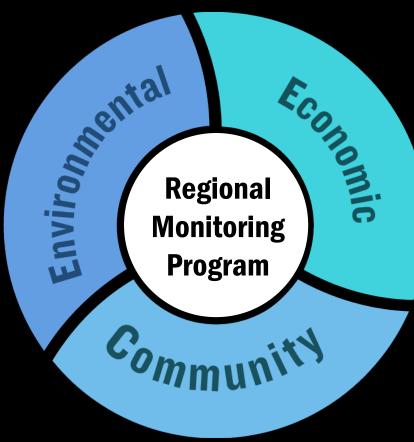


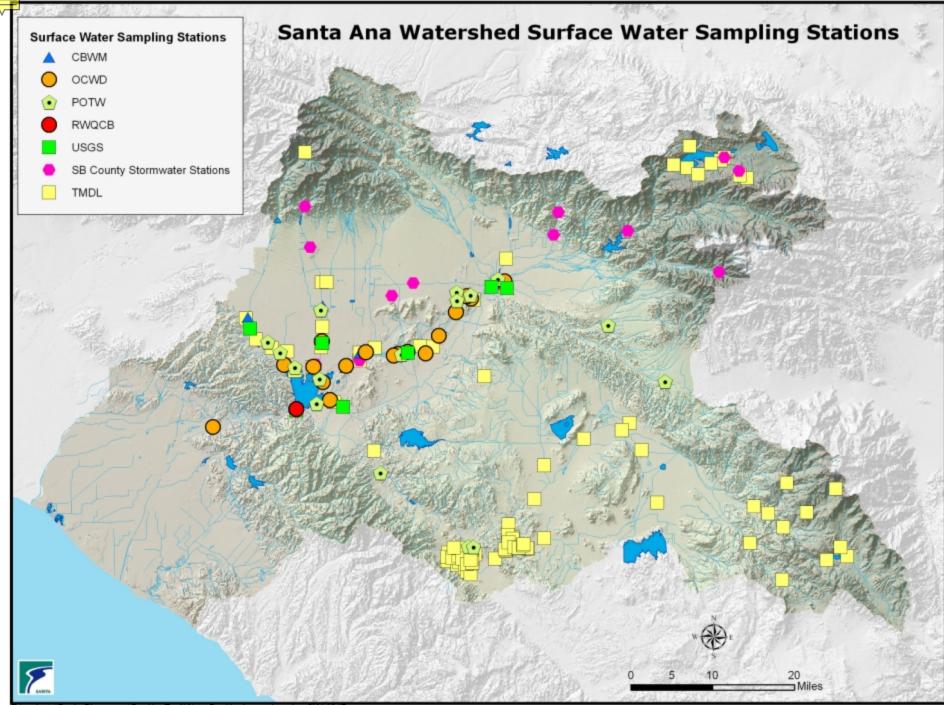
## Data to create information, knowledge, and ACTION



## 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...?

