

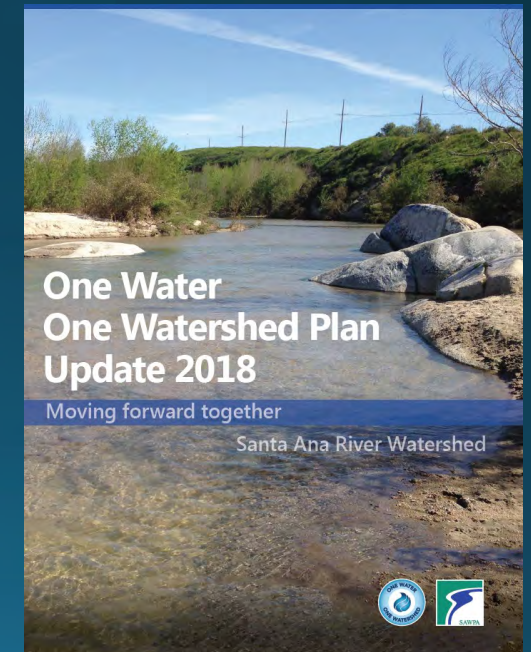
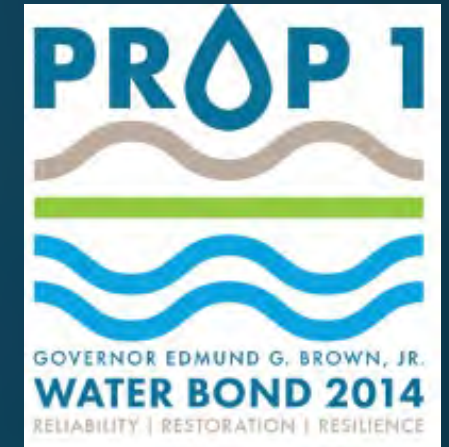
# Proposition 1 Round 1 Integrated Regional Water Management Funding Update

Mark Norton, Water Resources & Planning Mgr  
OWOW Steering Committee | September 24, 2020  
Item No. 4.A.

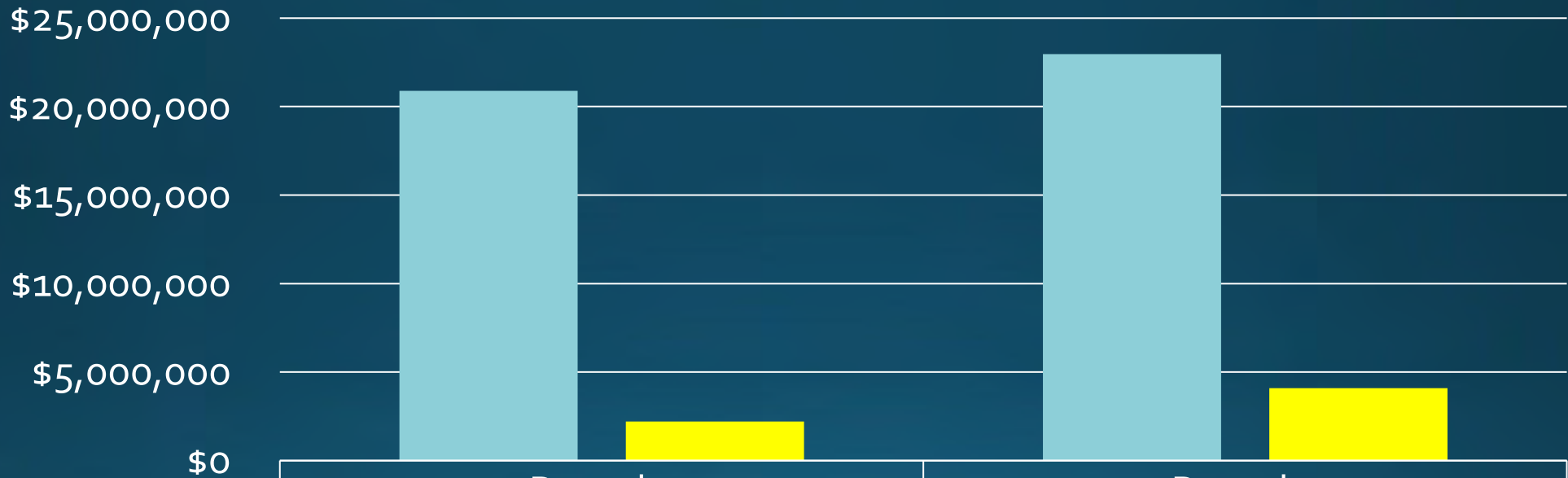


# Prop 1 IRWM Requirements

- **All overall project proposals must:**
  - Respond to climate change, and
  - Contribute to regional water self-reliance.
- **All individual projects must:**
  - Address the most critical needs of the IRWM region which are reflected in its IRWM Plan,
  - Have an expected useful life of 15 years, and
  - Have CEQA/permits acquired within 12 months of final grant award (June 2021).



# Prop 1 IRWM Implementation Grant Funding for Watershed



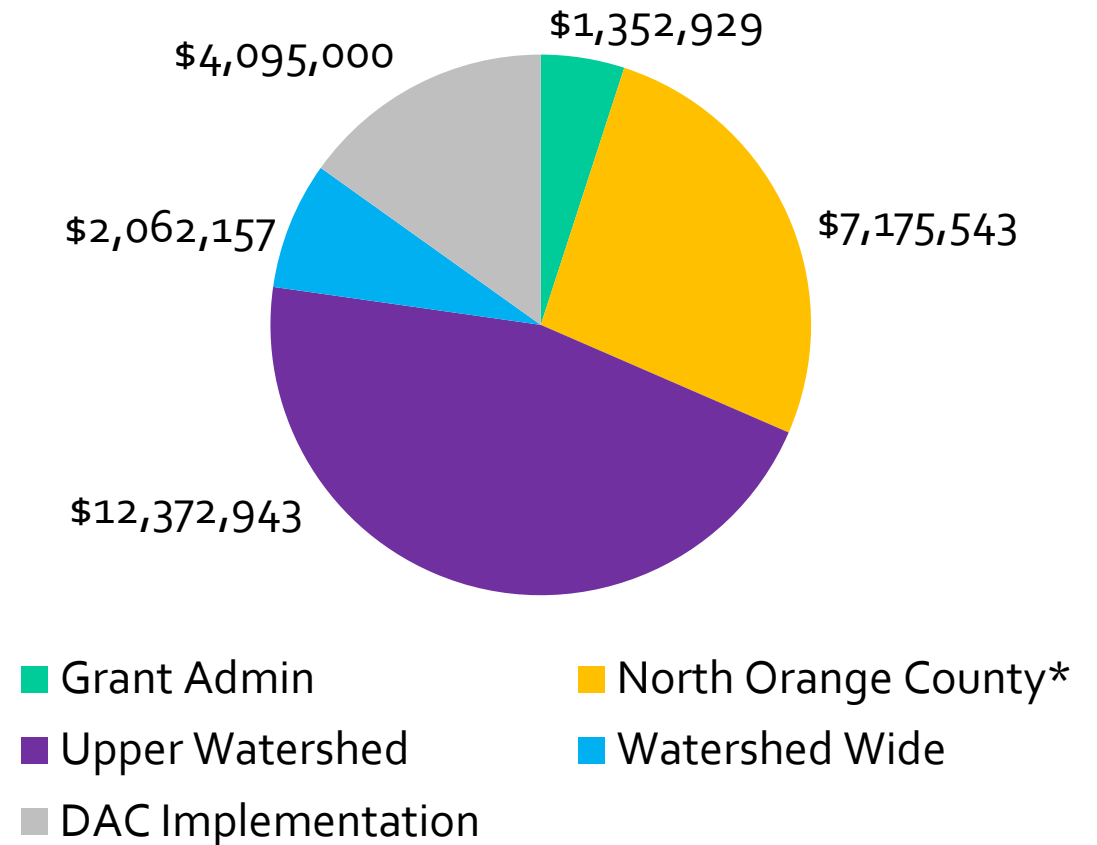
	Round 1	Round 2
General	\$20,886,428	\$22,963,572
DAC Implementation	\$2,205,000	\$4,095,000
Total	\$23,091,428	\$27,058,572

Grand Total = \$50,150,000

# Prop 1 Round 2 (More Detail)

- Categories created by Agreement executed with North Orange County IRWM Group in 2019.
- Will receive Committee approval of criteria for awarding upper-watershed, watershed-wide and DAC Implementation funding prior to opening call for projects.

## Round 2 Amounts By Category



Total = \$27,058,572

\*Includes \$989,072 rolled over from Round 1

# Prop 1 IRWM Round 1 Final Project List

IRWM Solicitation	Project	Project Lead	Awarded Grant
One Water One Watershed	Replenish Big Bear*	Big Bear Area Regional Wastewater Agency	\$4,563,338
	Evans Lake Tributary Restoration and Camp Evans Recreation	San Bernardino Valley Municipal Water District	\$2,000,000
	Well 30 Wellhead Treatment Project	Monte Vista Water District	\$3,431,225
	Regional Comprehensive Landscape Rebate Program	Municipal Water District of OC and Project Partners**	\$2,767,344
	Physical Harvesting of Algal Biomass in Lake Elsinore – Pilot Program	City of Lake Elsinore	\$297,000
	Santa Ana Mountains Watershed Protection Project	Cleveland National Forest	\$497,998
	Enhancements to Watershed-Wide Water Budget Decision Support Tool	Santa Ana Watershed Project Authority	\$500,000
	Joint IEUA-JCSD Regional Water Recycling Program	Inland Empire Utilities Agency	\$2,617,970
North Orange County	Groundwater Replenishment System Final Expansion	Orange County Water District	\$3,589,553
	Raitt & Myrtle Park	City of Santa Ana	\$1,670,000
N/A	Grant Management (5% of Total Grant Award)	Santa Ana Watershed Project Authority	\$1,157,000
<b>Total</b>			<b>\$23,091,428</b>

\*Receiving general implementation and DAC Implementation funding.

\*\*Eastern MWD, Inland Empire Utilities Agency, San Bernardino Valley MWD, Western MWD and Big Bear Lake Department of Water and Power.

# Prop 1 IRWM Schedule



\*Preliminary date shared by DWR



# Next Steps

- SAWPA-DWR grant agreement to be executed by December 31, 2020.
- Complete eligibility criteria checklist for compliance with items such as:
  - Stormwater planning,
  - Groundwater regulations, and
  - Water metering regulations.
- Respond to DWR's questions on the scopes, budgets and schedules for the 10 projects.



# Questions



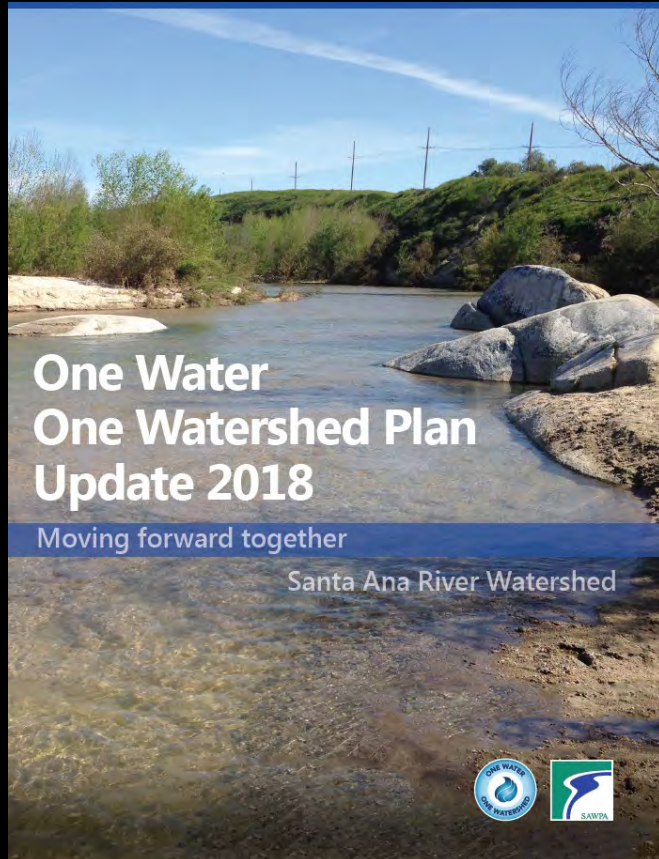


# 2019 SANTA ANA RIVER WATERSHED SUSTAINABILITY ASSESSMENT

Mark Norton, Water Resources & Planning Mgr.  
OWOW Steering Committee | September 24,  
2020  
Item No. 4.B.



# OWOW PLAN UPDATE 2018



The six goals of the OWOW Plan Update 2018 are to:

- Achieve resilient water resources through innovation and optimization.
- Ensure high-quality water for all people and the environment.
- Preserve and enhance recreational areas, open space, habitat, and natural hydrologic function.
- Engage with members of disadvantaged communities to diminish environmental injustices.
- Educate and build trust between people and organizations.
- Improve data integration, tracking, and reporting to strengthen decision making.

# ASSESSMENT AND INDICATORS

## Rating System



Negative



Neutral



Positive



No Data

OWOW Goal	Indicator No.	Indicator Definition	Rating from 2018 Assessment	Rating from 2019 Assessment
Achieve resilient water resources through innovation & optimization	1	Maximization of locally-managed supplies		
	2	Efficiency of outdoor water use		
Ensure high quality water for all people & the environment	3	Maintenance of groundwater salinity at target levels		
	4	Safety of water for contact recreation		
Preserve & enhance recreational areas, open space, habitat	5	Abundance of riparian vegetation		
	6	Abundance of conserved open space		
Engage with members of disadvantaged communities	7	Equitable access to clean drinking water		
	8	Equitable implementation of climate change adaptation		
Educate & build trust between people & organizations	9	Collaboration for more effective outcomes		
	10	Adoption of a watershed ethic		
Improve data integration, tracking & reporting to strengthen decision-making	11	Broaden access to data for decision-making		
	12	Participation in a regional database.		

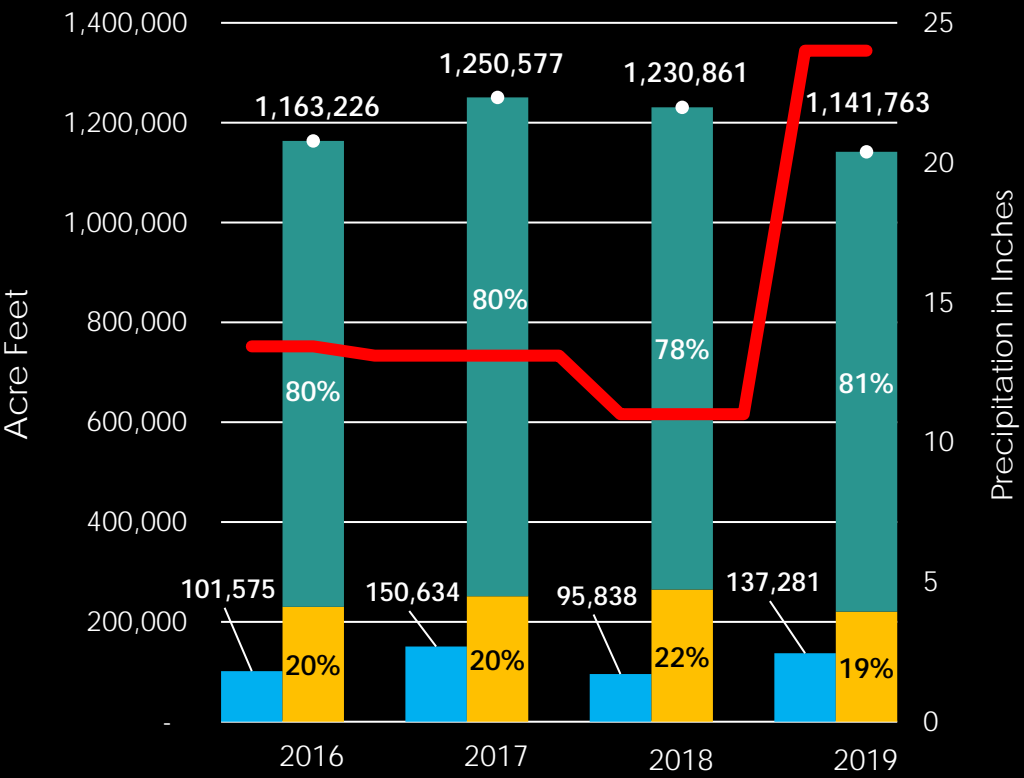




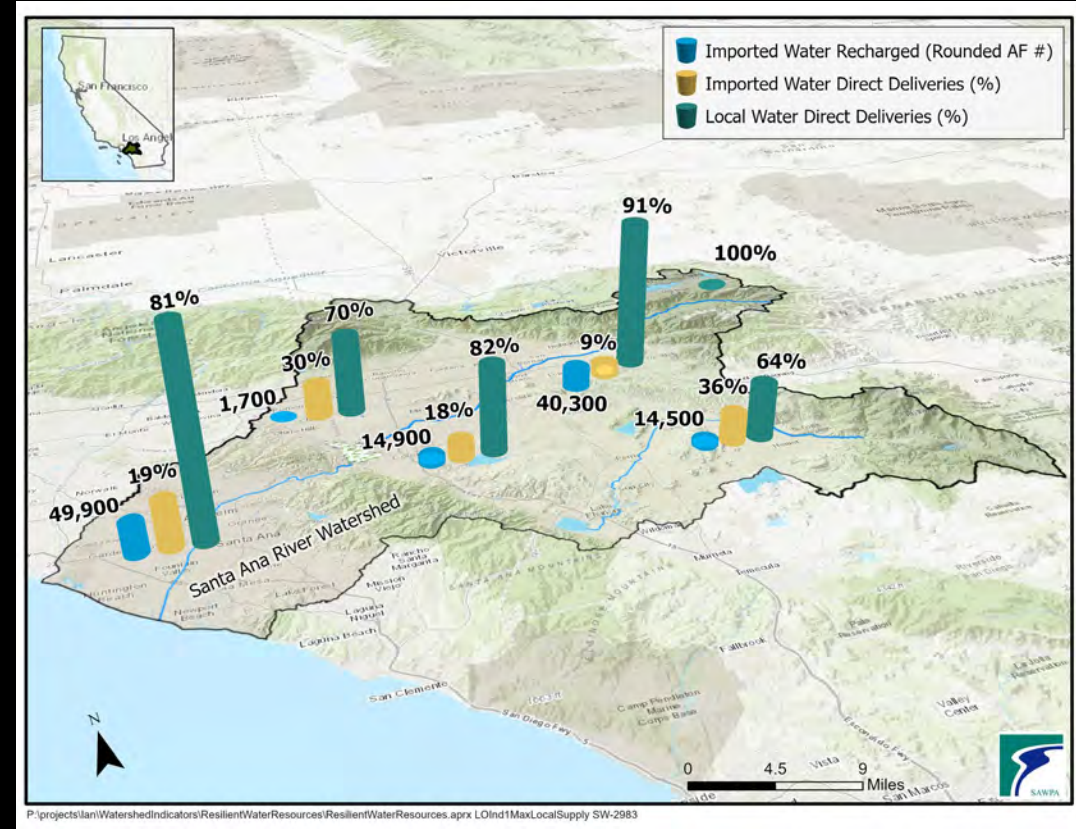
GOAL: ACHIEVE RESILIENT WATER  
RESOURCES THROUGH INNOVATION  
AND OPTIMIZATION.


1

# MAXIMIZATION OF LOCALLY-MANAGED SUPPLIES



- Local Water Direct Deliveries (% of Direct)
- Imported Water Direct Deliveries (% of Direct)
- Imported Water Recharged
- Total Direct Deliveries
- Local Annual Average Precipitation

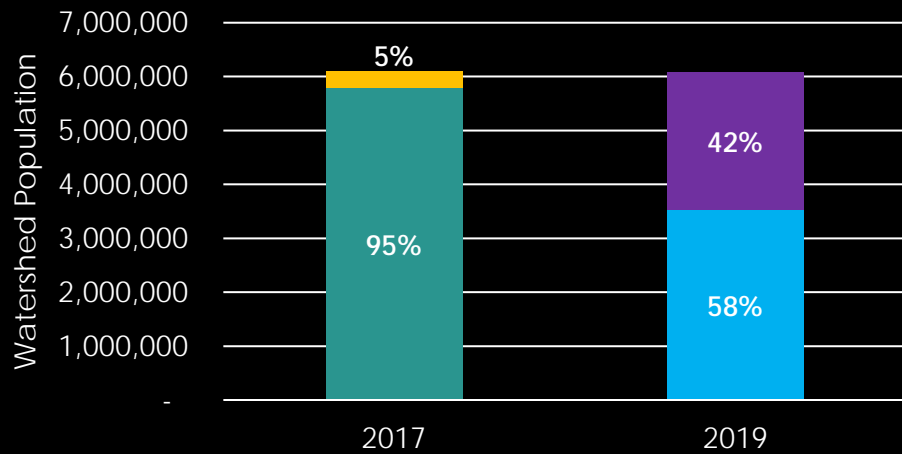


 2019: Positive  
(2018: Neutral)

P:\projects\lan\WatershedIndicators\ResilientWaterResources\ResilientWaterResources.aprx LOInd1MaxLocalSupply SW-2983

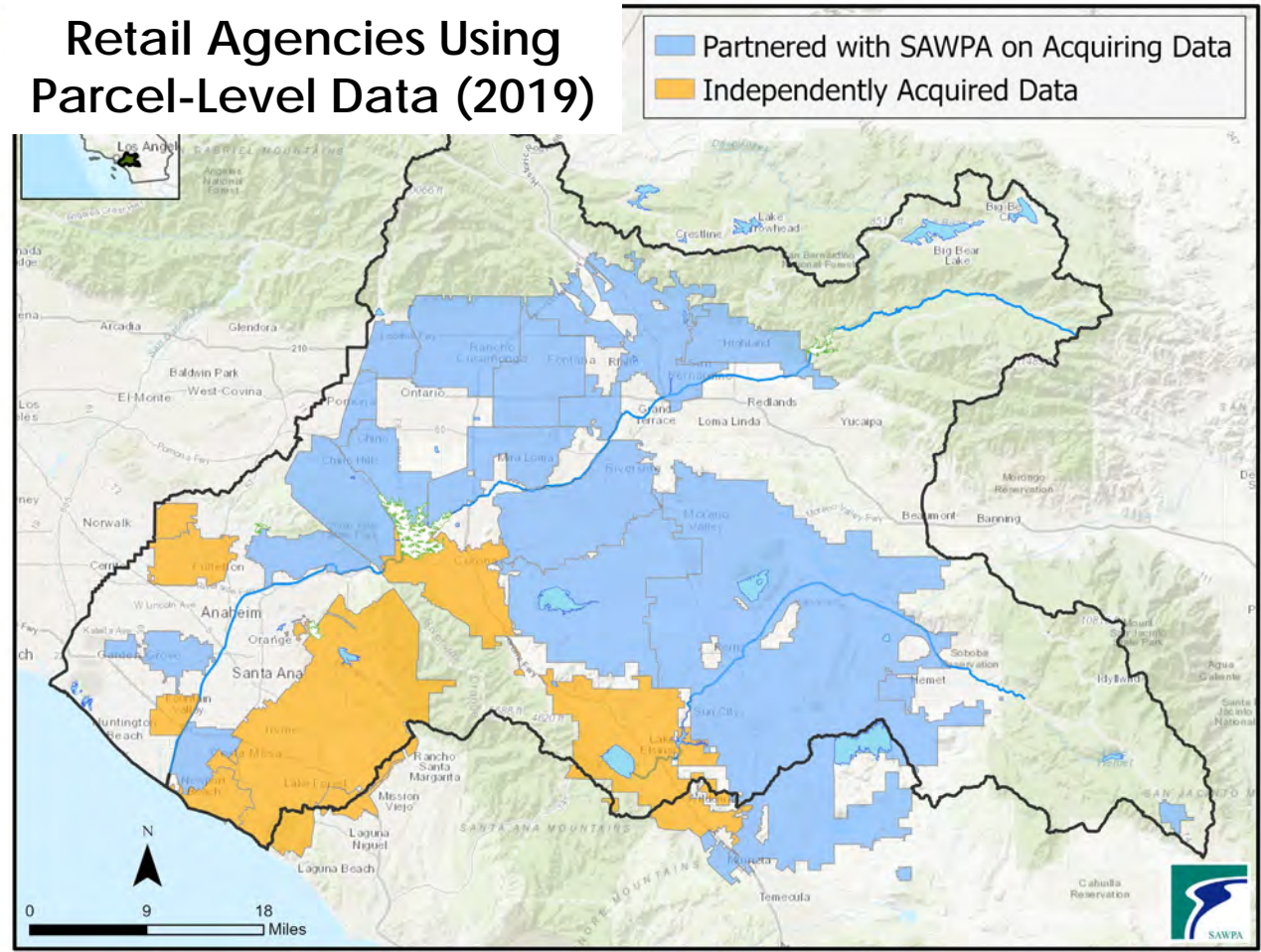
# EFFICIENCY OF OUTDOOR WATER USE

(Methodology Varies Between Years)




- Using Parcel-Level ■ Not Using Parcel-Level
- Using Parcel-Level (New Methodology)
- Not Using Parcel-Level (New Methodology)

## Retail Agencies Using Parcel-Level Data (2019)



P:\projects\lan\WatershedIndicators\ResilientWaterResources\ResilientWaterResources.aprx LOInd2OutdoorWaterUse2 SW-2984



2019: Positive  
(2018: Positive)

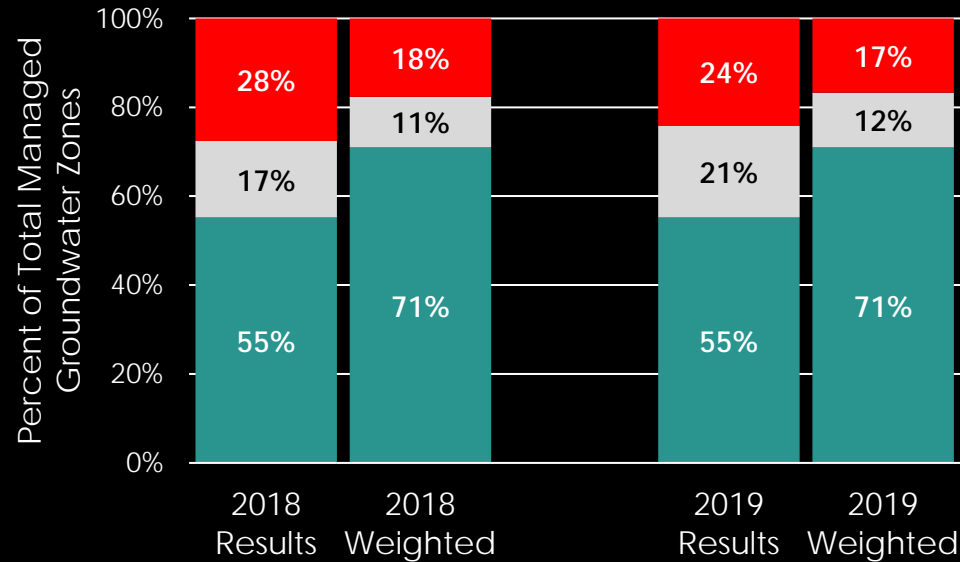





GOAL: ENSURE HIGH QUALITY WATER  
FOR PEOPLE AND THE ENVIRONMENT.

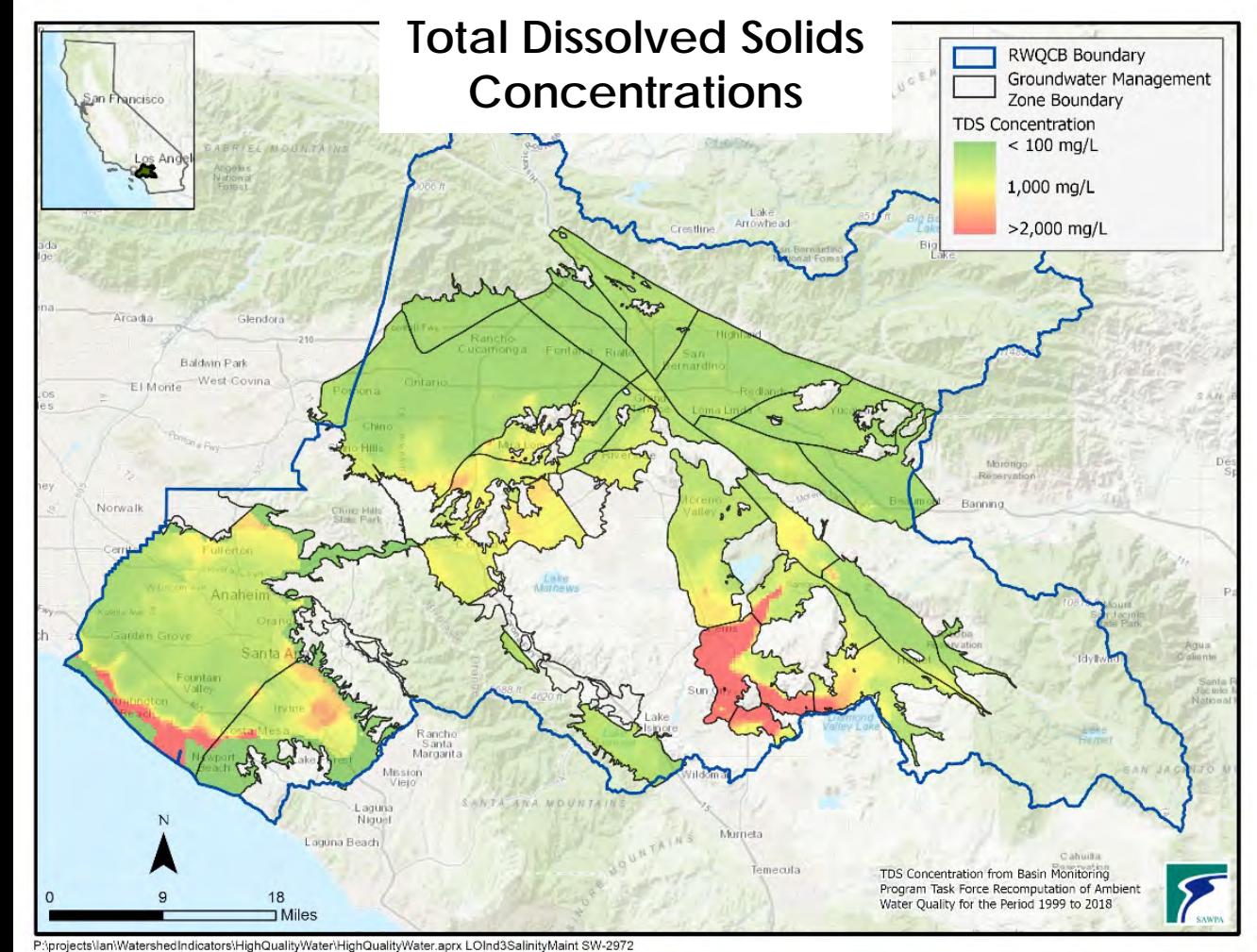


# MAINTENANCE OF GROUNDWATER SALINITY AT TARGET LEVELS



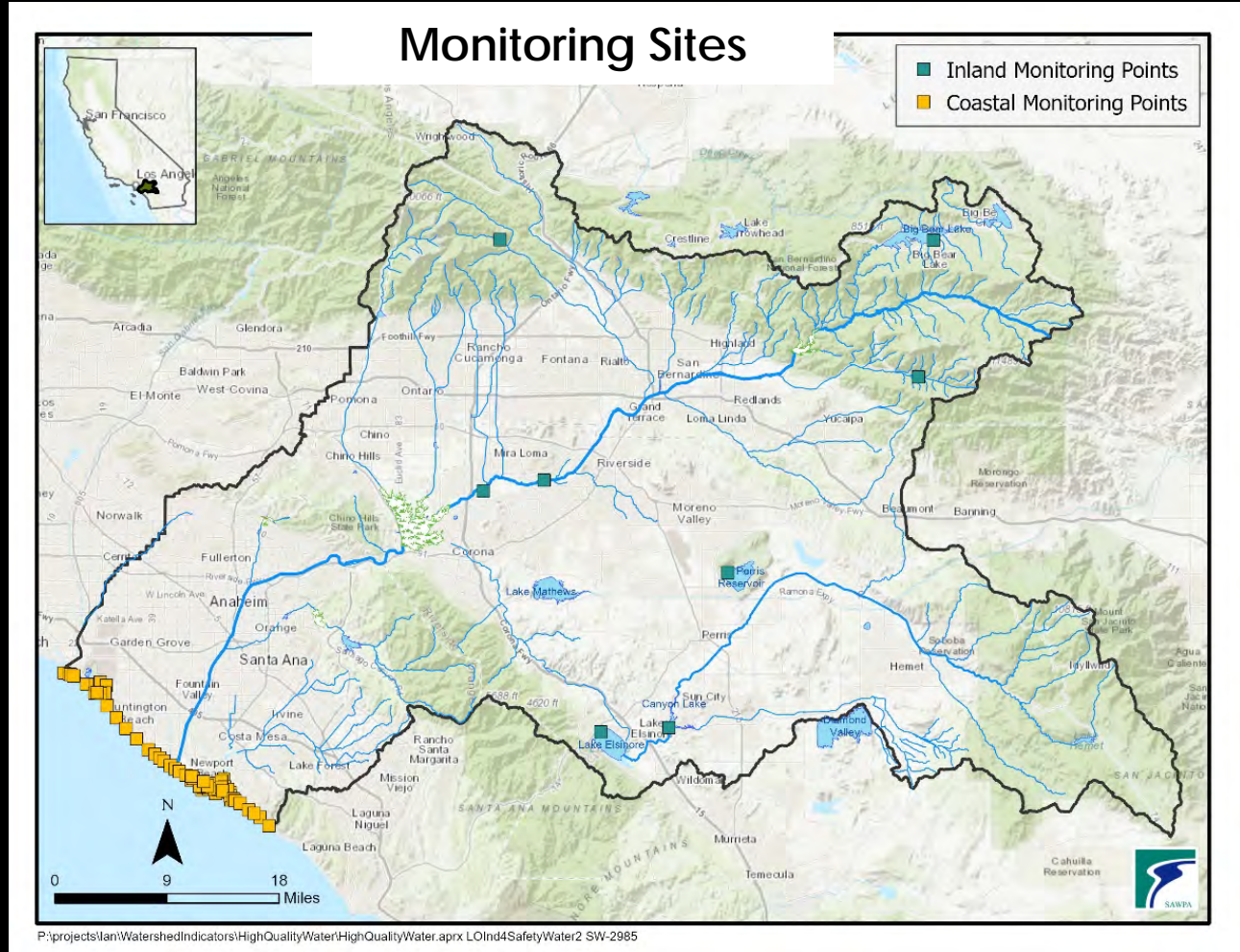
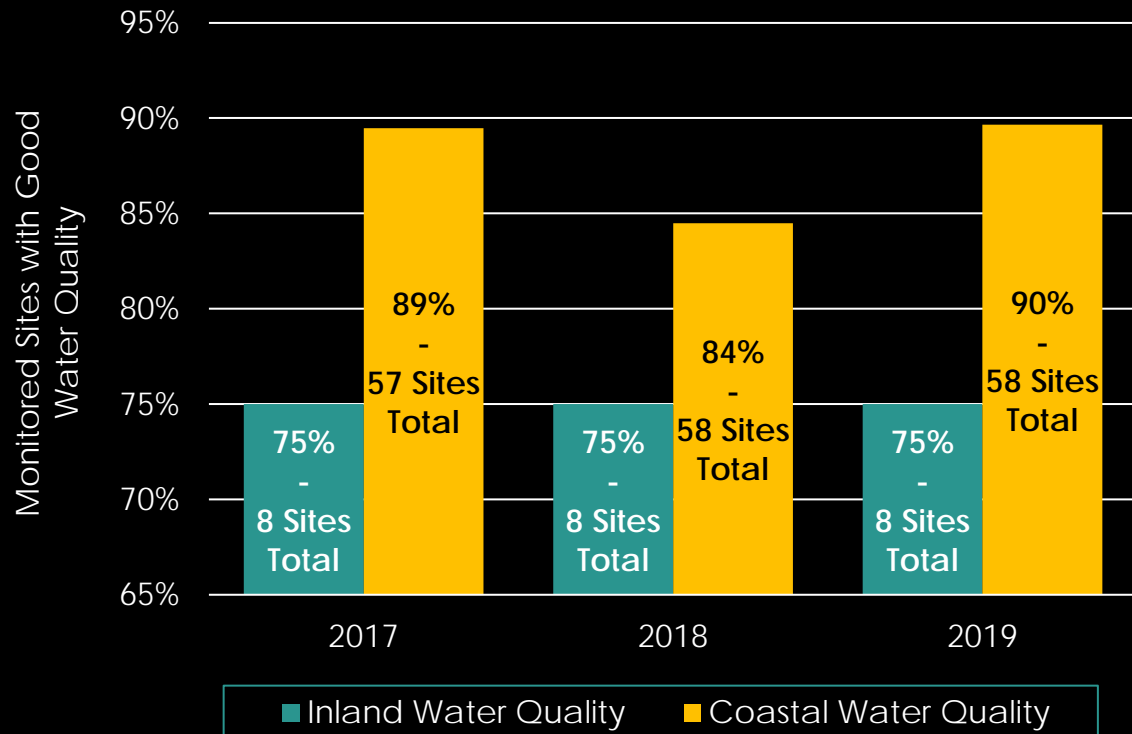
- Negative: Does Not Meet Standard
- Neutral: Does Not Meet Standard But Improved from Past
- Positive: Meets or Exceeds Standard

 2019: Positive  
(2018: Positive)





# SAFETY OF WATER FOR CONTACT RECREATION



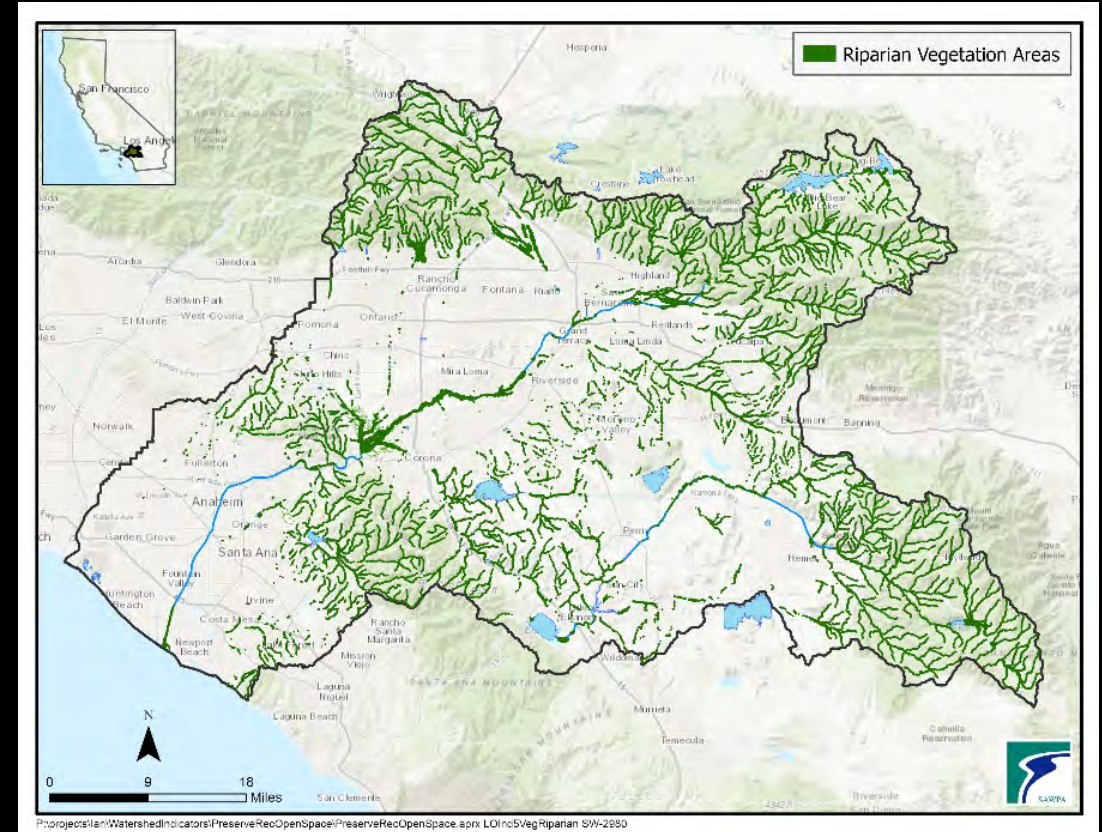
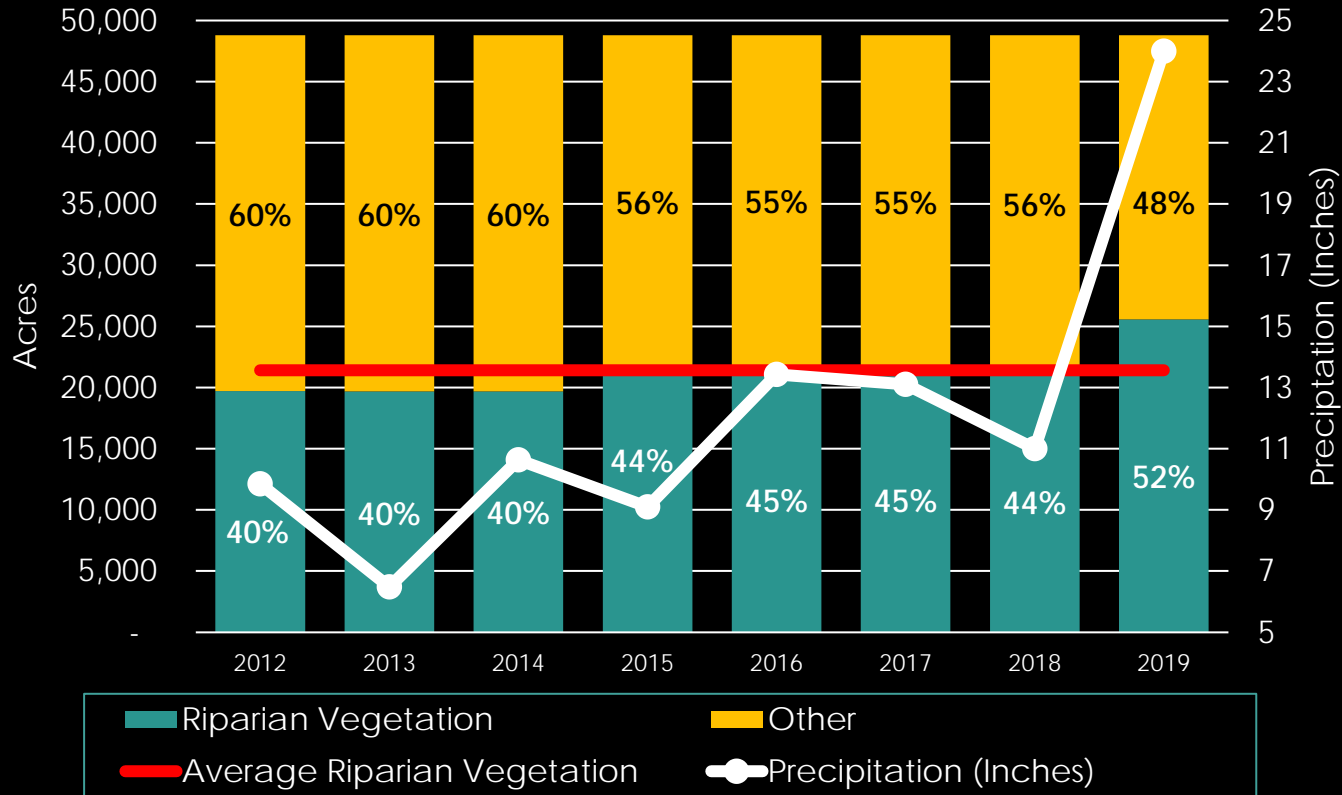
2019: Positive  
(2018: Positive)



GOAL: PRESERVE AND ENHANCE  
RECREATIONAL AREAS, OPEN SPACE,  
HABITAT, AND NATURAL HYDROLOGIC  
FUNCTION.

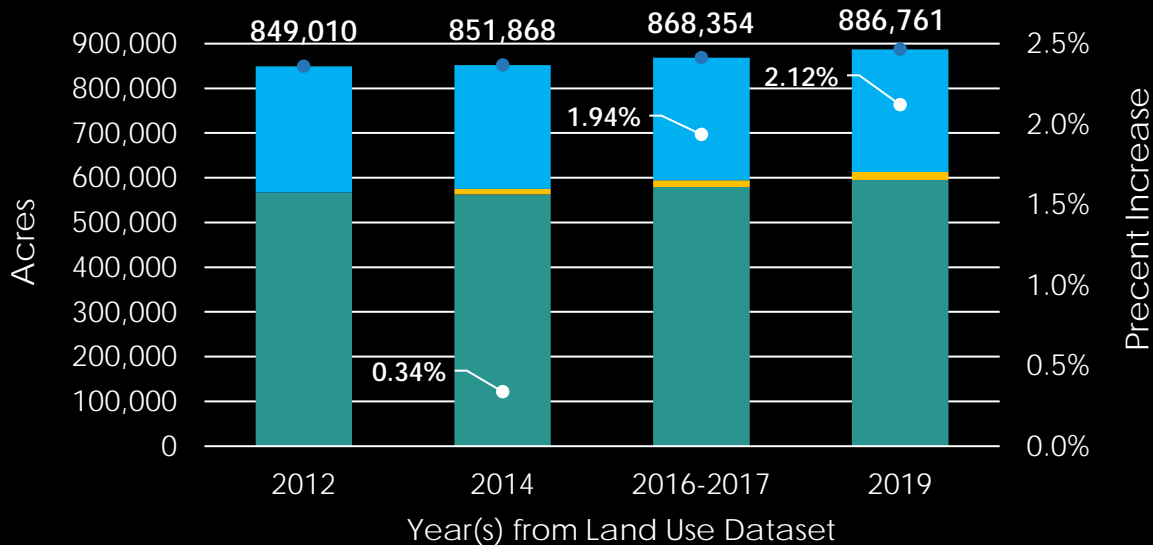


# ABUNDANCE OF RIPARIAN VEGETATION

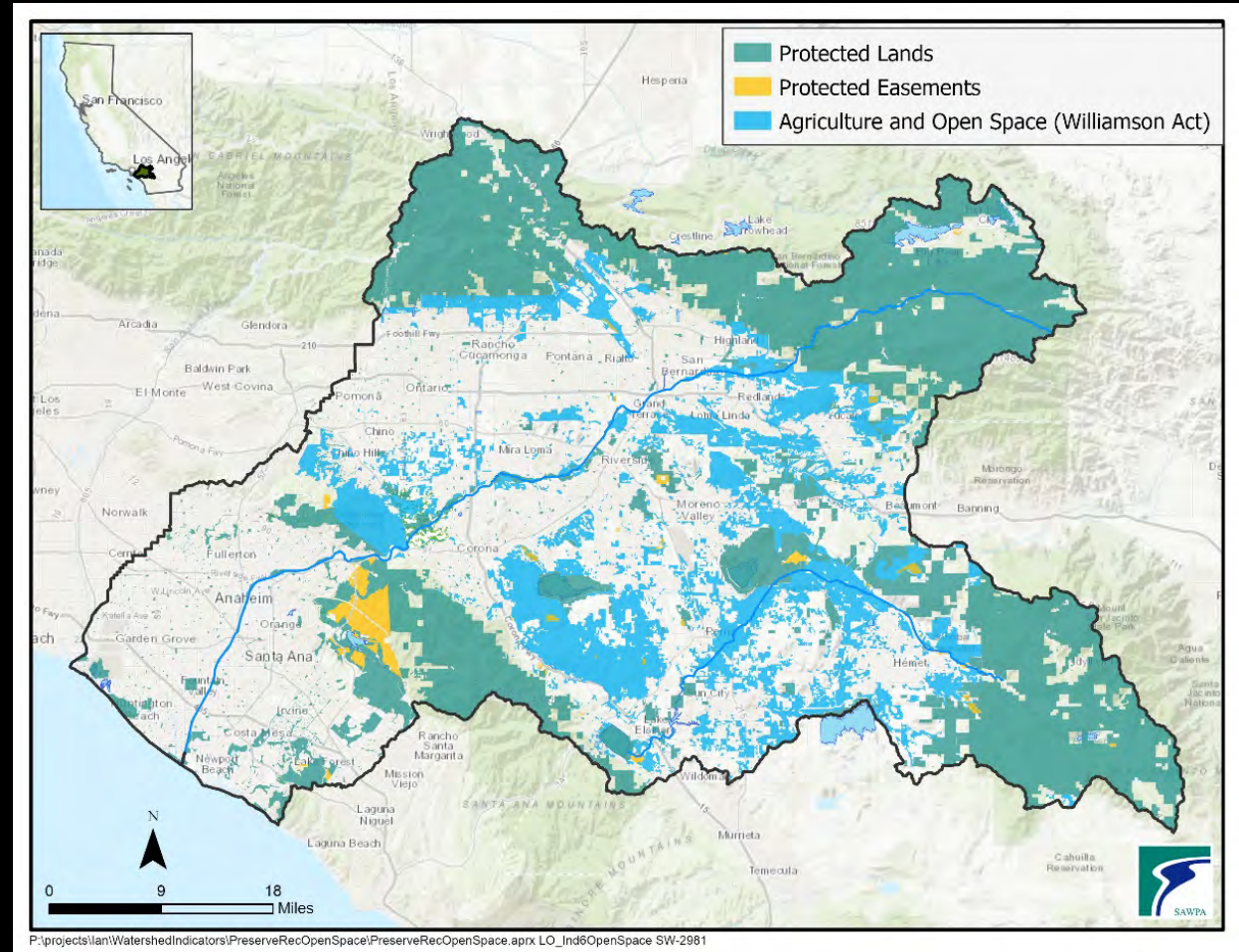


2019: Positive  
(2018: Positive)

# ABUNDANCE OF CONSERVED OPEN SPACE



- Agriculture and Open Space (Williamson Act)
- Protected Easements
- Protected Lands
- Total Protected Lands
- Percent Increase From Previous Years (All Lands)



2019: Positive  
(2018: Positive)

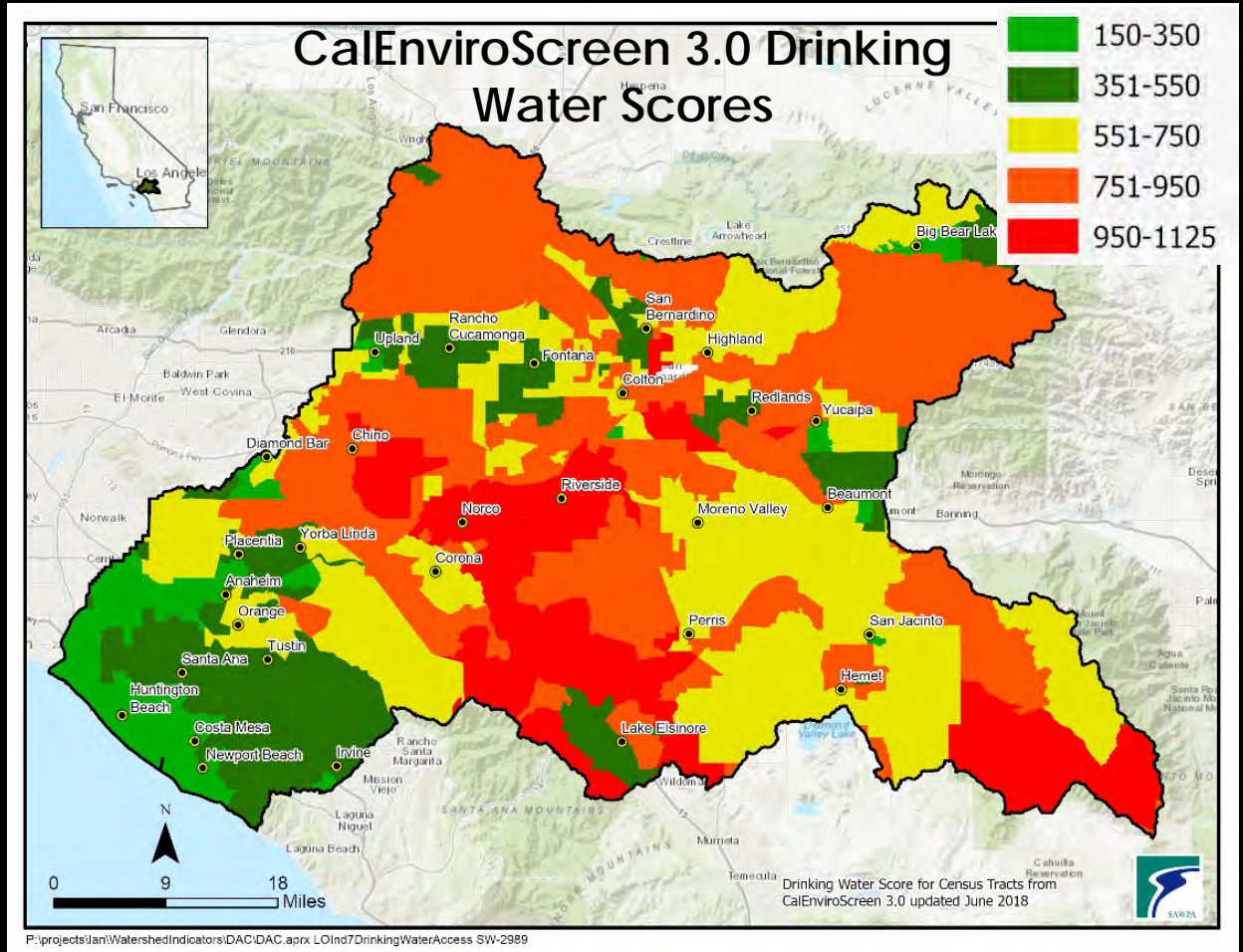
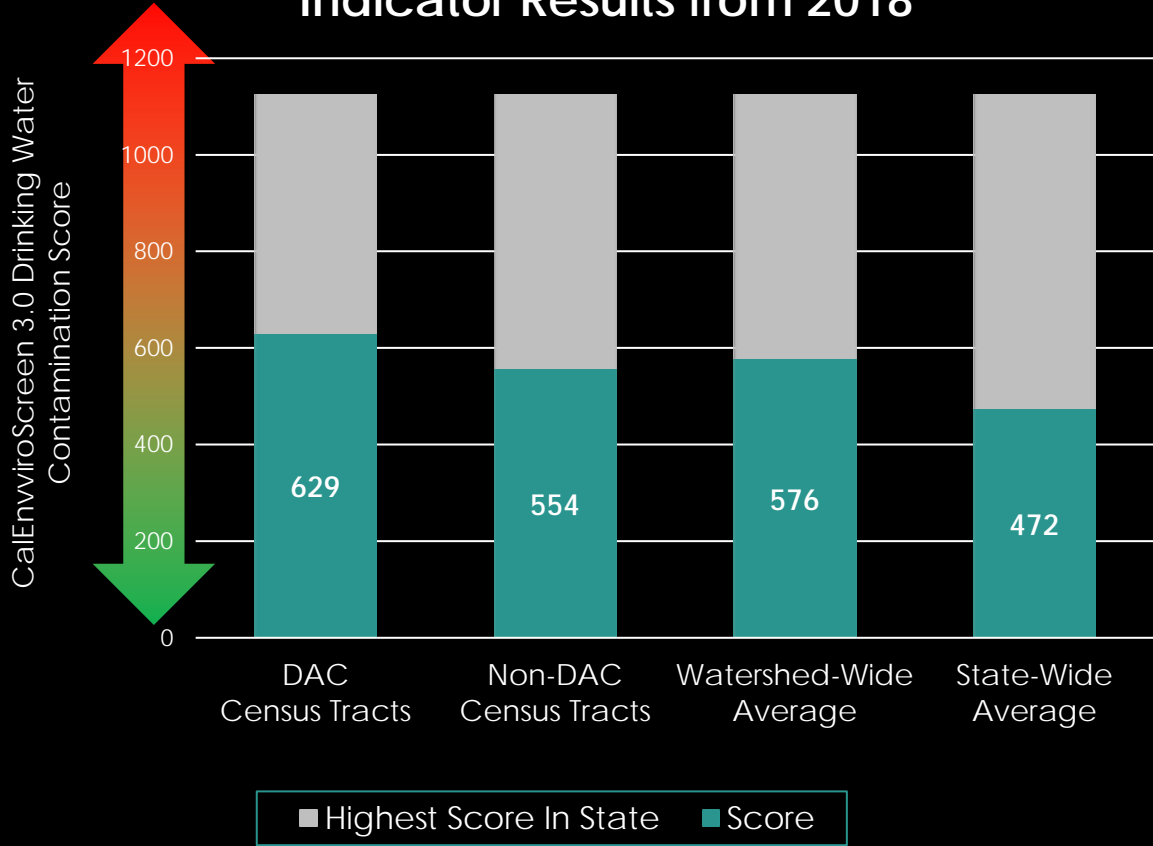




GOAL: ENGAGE WITH MEMBERS OF DISADVANTAGED COMMUNITIES AND ASSOCIATED SUPPORTING ORGANIZATIONS TO DIMINISH ENVIRONMENTAL INJUSTICES AND THEIR IMPACTS ON THE WATERSHED.

# EQUITABLE ACCESS TO CLEAN DRINKING WATER

Indicator Results from 2018



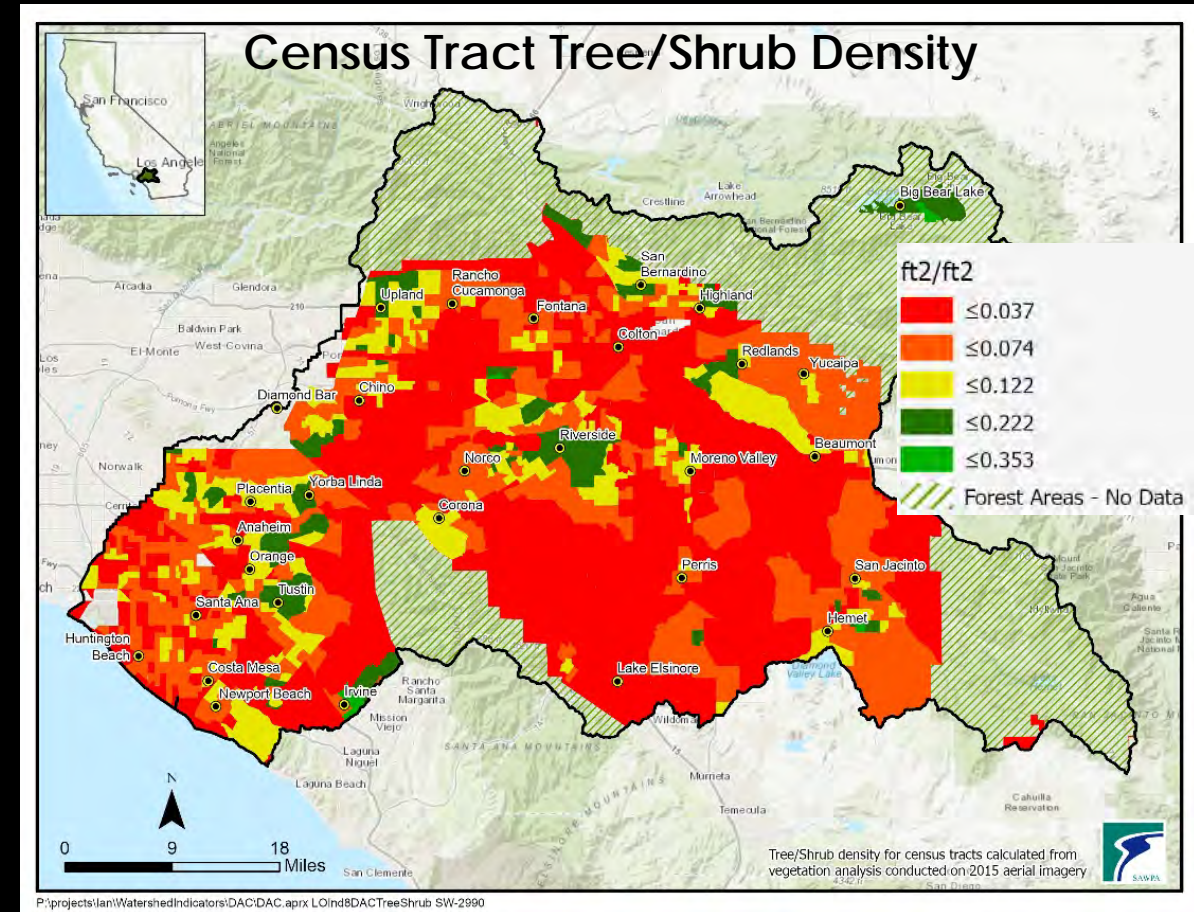
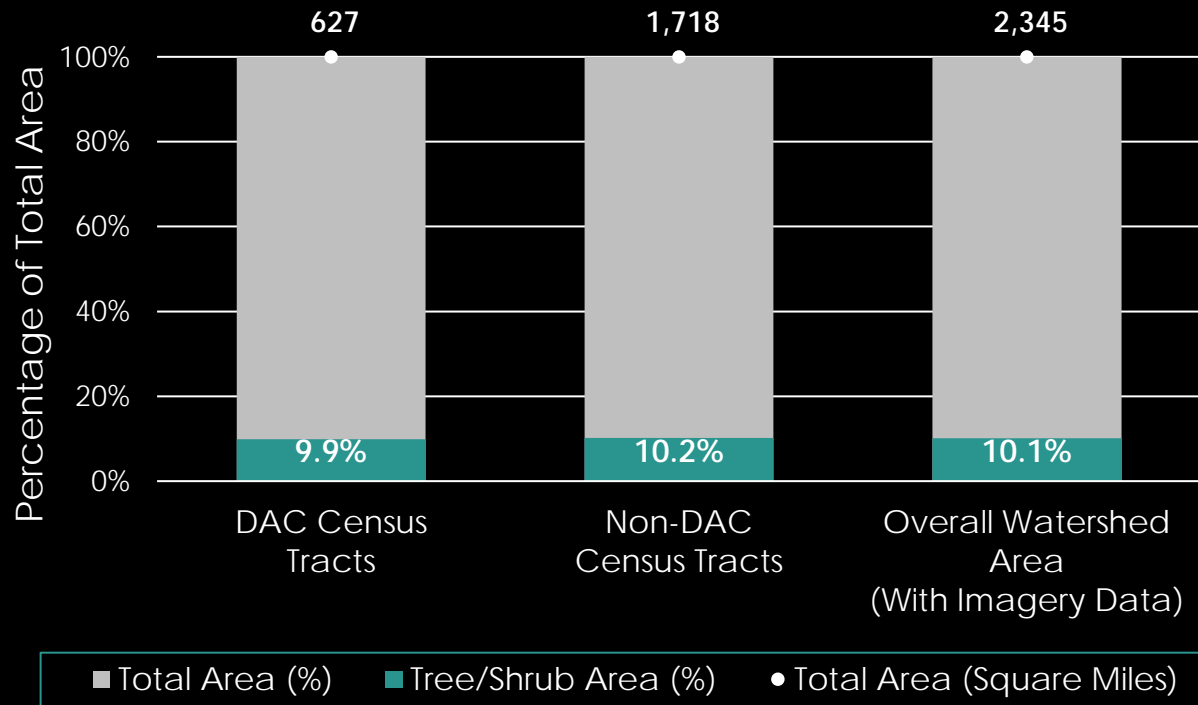
? 2019: No Current Data (2018: Neutral)

F:\projects\lan\WatershedIndicators\DAC\DAC.aprx LOnd7DrinkingWaterAccess SW-2989



# EQUITABLE IMPLEMENTATION OF CLIMATE CHANGE ADAPTATION

Indicator Results from 2018

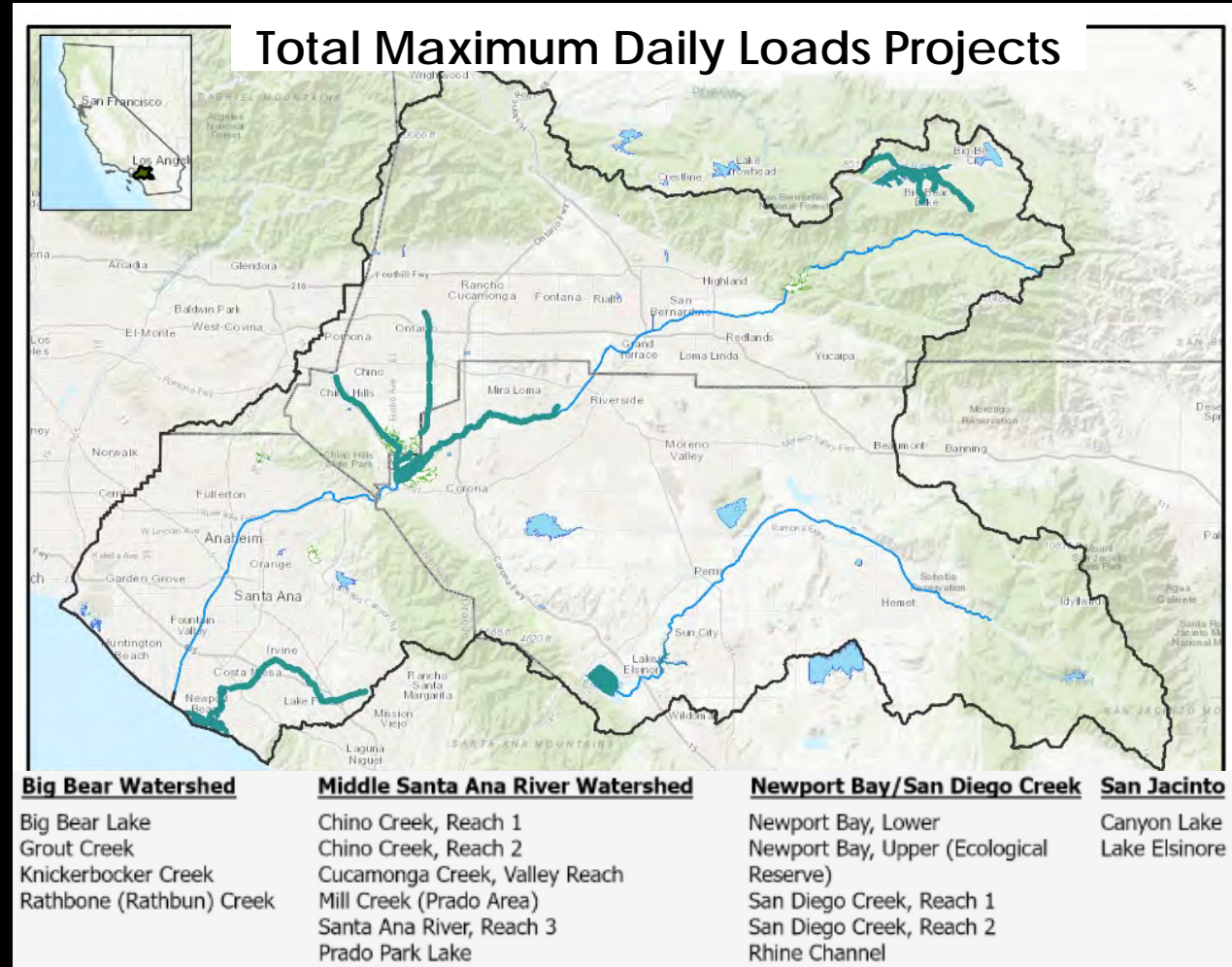
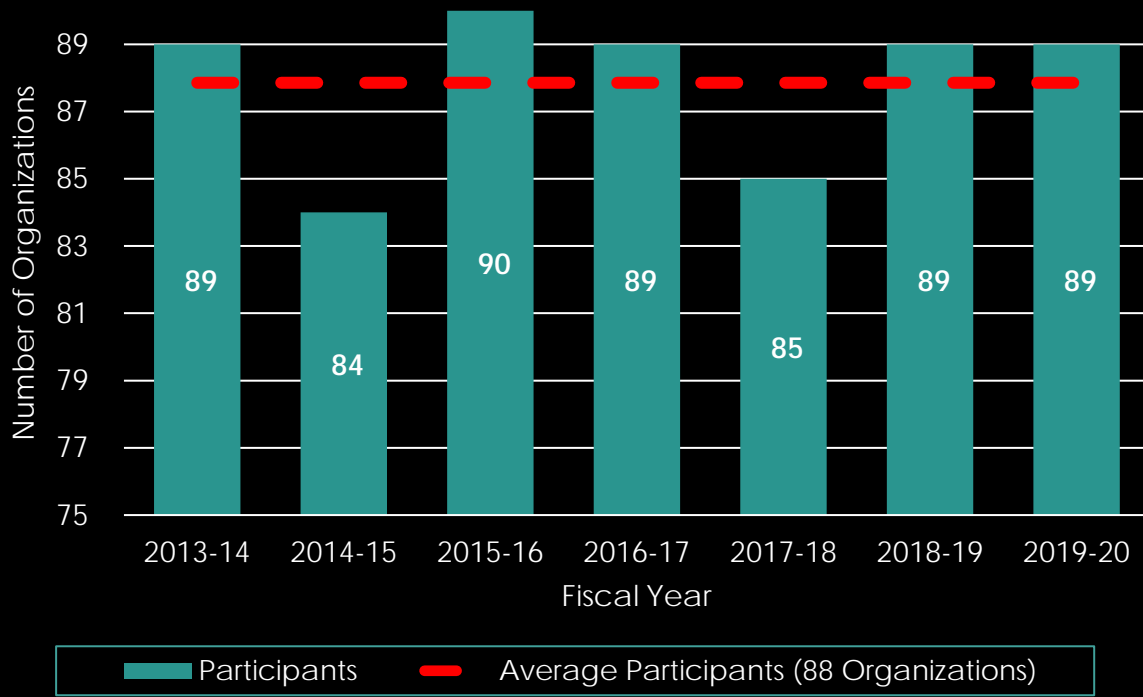


2019: No Current Data  
(2018: Neutral)



GOAL: EDUCATE AND BUILD TRUST  
BETWEEN PEOPLE AND  
ORGANIZATIONS.

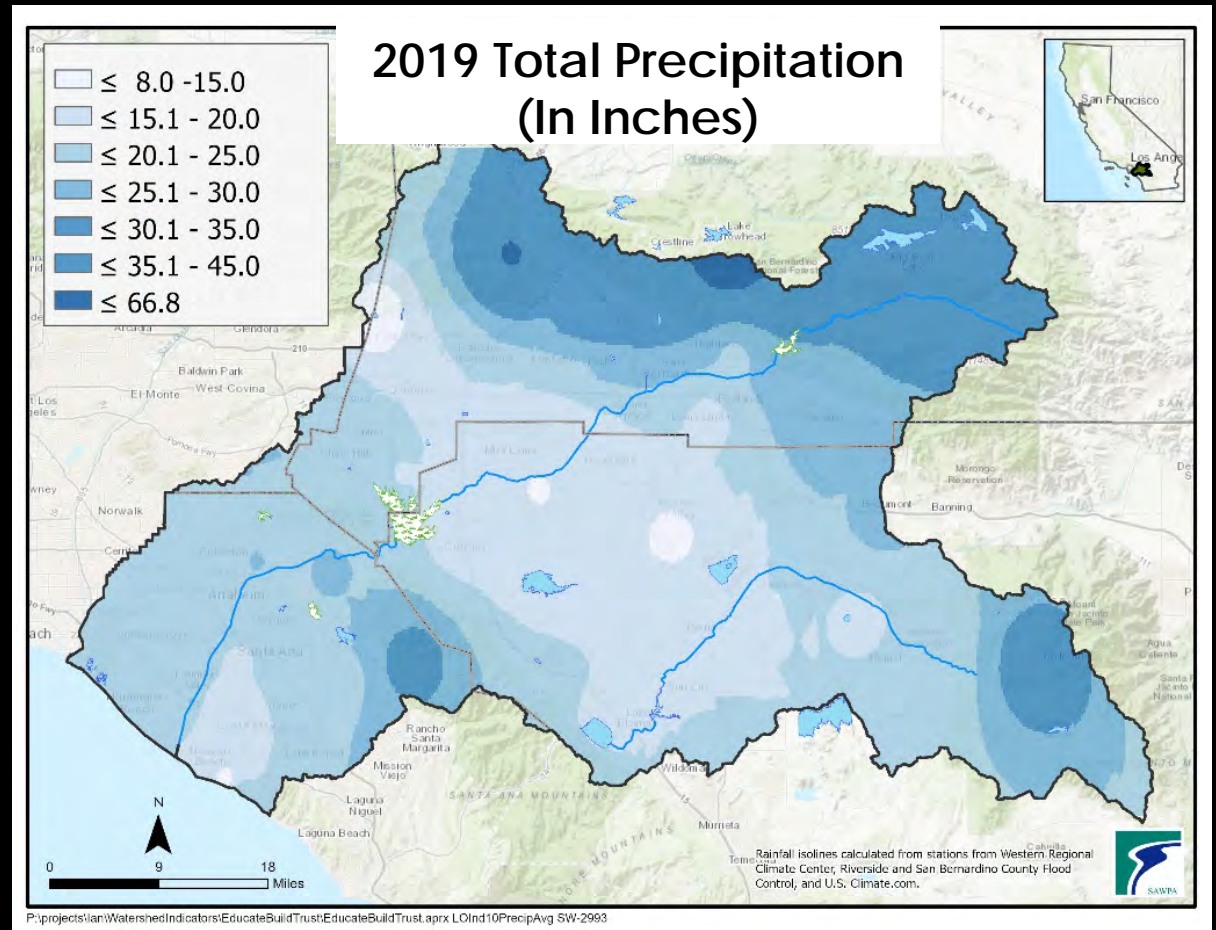
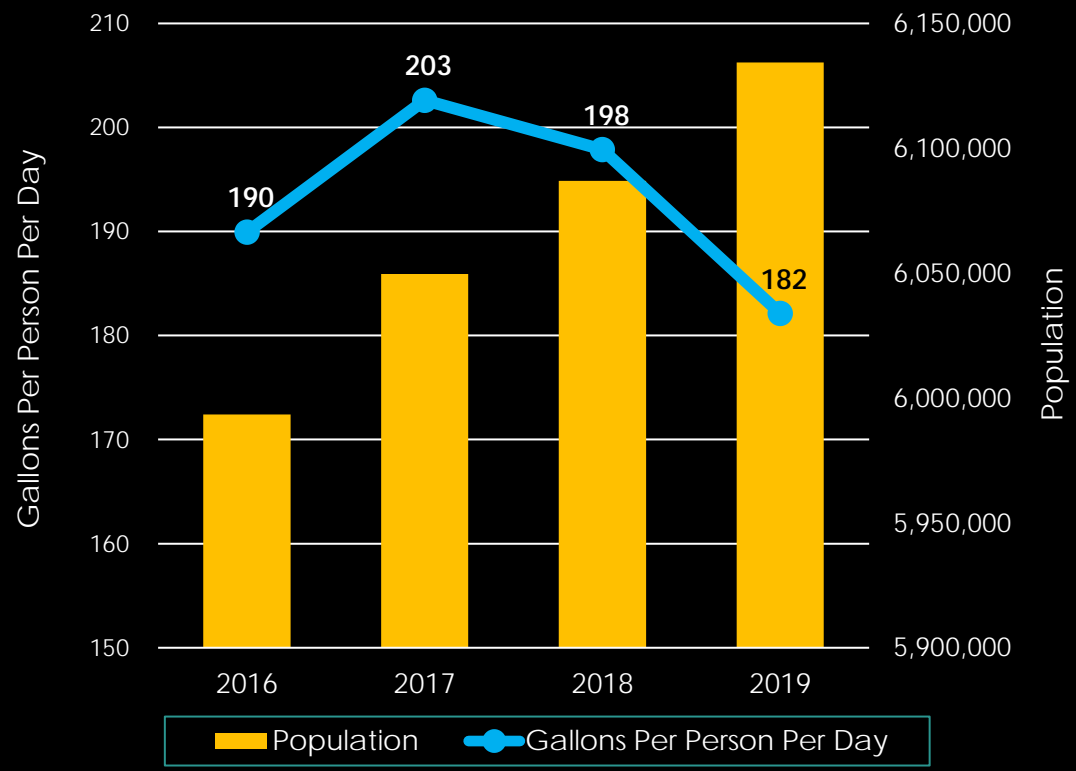
# COLLABORATION FOR MORE EFFECTIVE OUTCOMES




2019: Positive  
(2018: Positive)



# ADOPTION OF A WATERSHED ETHIC



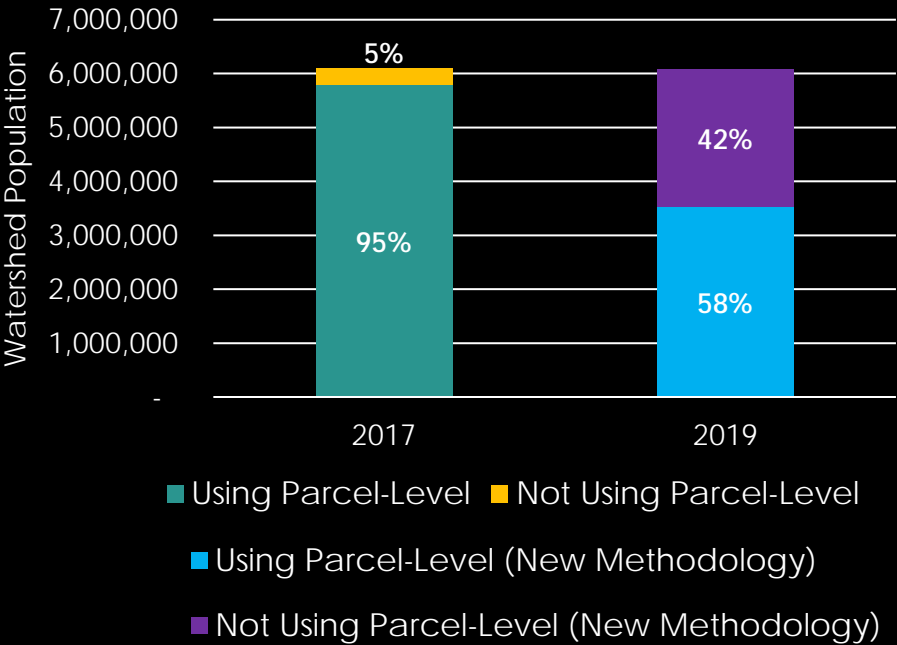
 2019: Positive  
(2018: Positive)



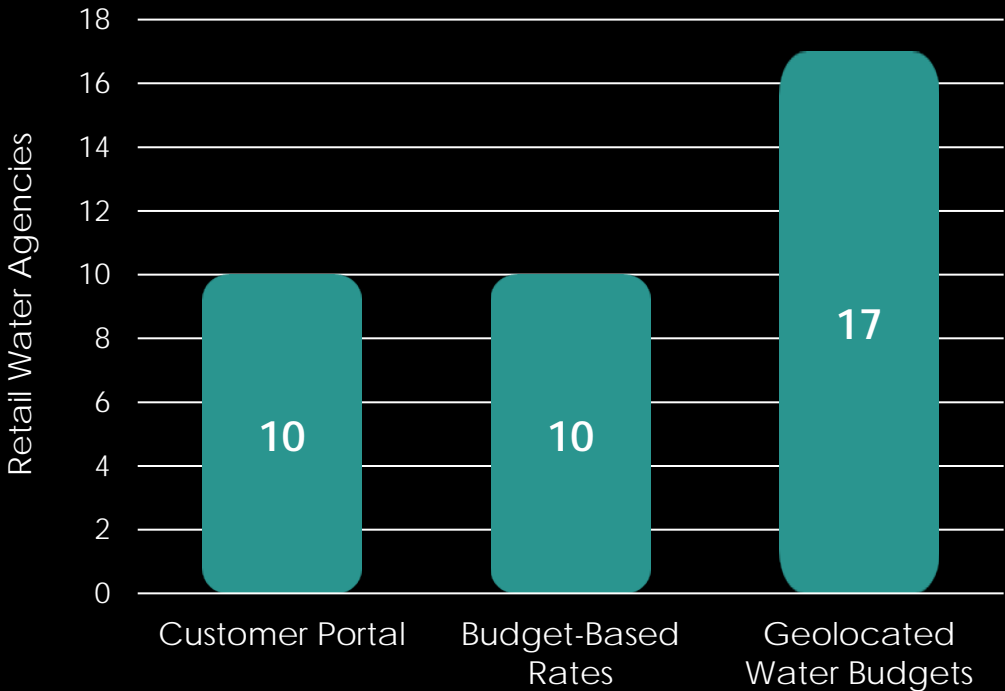
GOAL: IMPROVE DATA INTEGRATION,  
TRACKING AND REPORTING TO  
STRENGTHEN DECISION-MAKING.

# BROADEN ACCESS TO DATA FOR DECISION-MAKING

(Methodology Varies Between Years)



## Results Further Explained



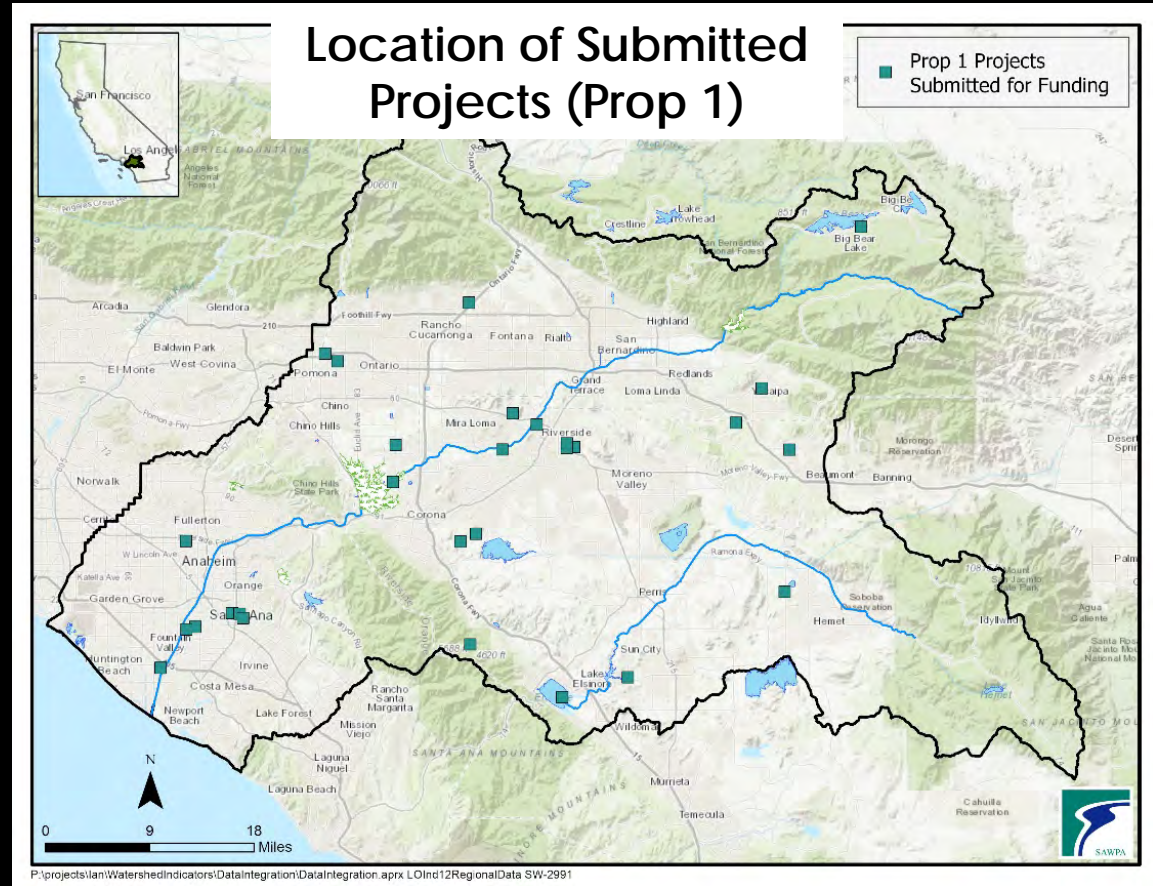
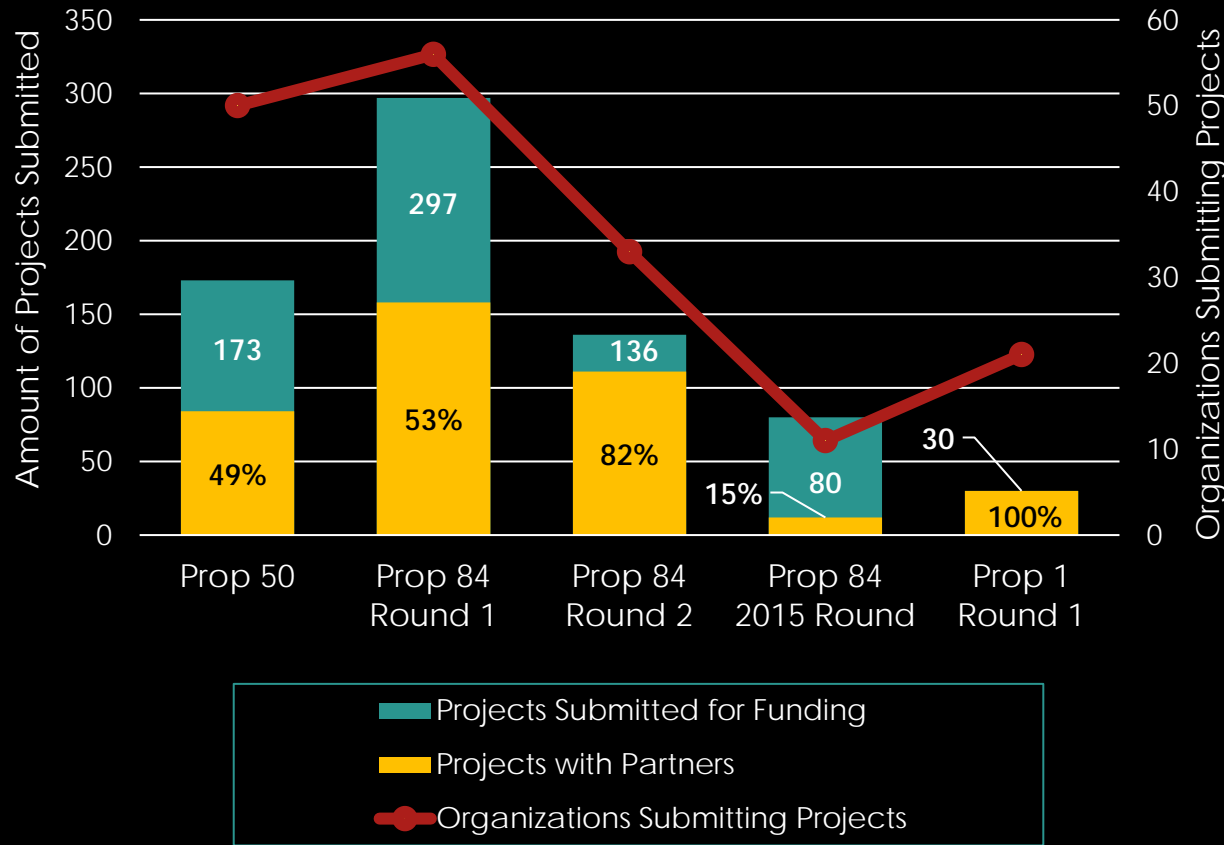
The amount of agencies in each category is provided above (some are in more than one category).



2019: Positive  
(2018: Positive)



# PARTICIPATION IN AN OPEN DATA PROCESS




























 2019: Neutral  
 (2018: Neutral)



# OBSERVATIONS

- Overall, watershed doing very well in meeting its goals, although more data needed on DAC-related measures,
  - New data will be available through 2020-21 high-resolution aerial imagery and updates to the State's CalEnviroScreen database.
- More work to be done to create open-data processes and encourage more projects to submit in the OWOW Plan Database,
- Good progress in making conservation a way of life, but more retail water agencies need tools to provide customers with information about their water use, and
- Annual update of this Assessment very important as it will show changes over time,
  - This will be helpful for showing changes especially between wet and dry years.

# Questions

Goal	Indicator No.	Indicator Definition	Rating from 2018 Assessment	Rating from 2019 Assessment
Achieve resilient water resources through innovation & optimization	1	Maximization of locally-managed supplies		
	2	Efficiency of outdoor water use		
Ensure high quality water for all people & the environment	3	Maintenance of groundwater salinity at target levels		
	4	Safety of water for contact recreation		
Preserve & enhance recreational areas, open space, habitat	5	Abundance of riparian vegetation		
	6	Abundance of conserved open space		
Engage with members of disadvantaged communities	7	Equitable access to clean drinking water		
	8	Equitable implementation of climate change adaptation		
Educate & build trust between people & organizations	9	Collaboration for more effective outcomes		
	10	Adoption of a watershed ethic		
Improve data integration, tracking & reporting to strengthen decision-making	11	Broaden access to data for decision-making		
	12	Participation in a regional database.		

# SARCCUP Smartscape Project Completion Report



Mark Norton | Water Resources & Planning Mgr.

September 24, 2020 | OWOW Steering  
Committee Meeting

Item No. 4.C.

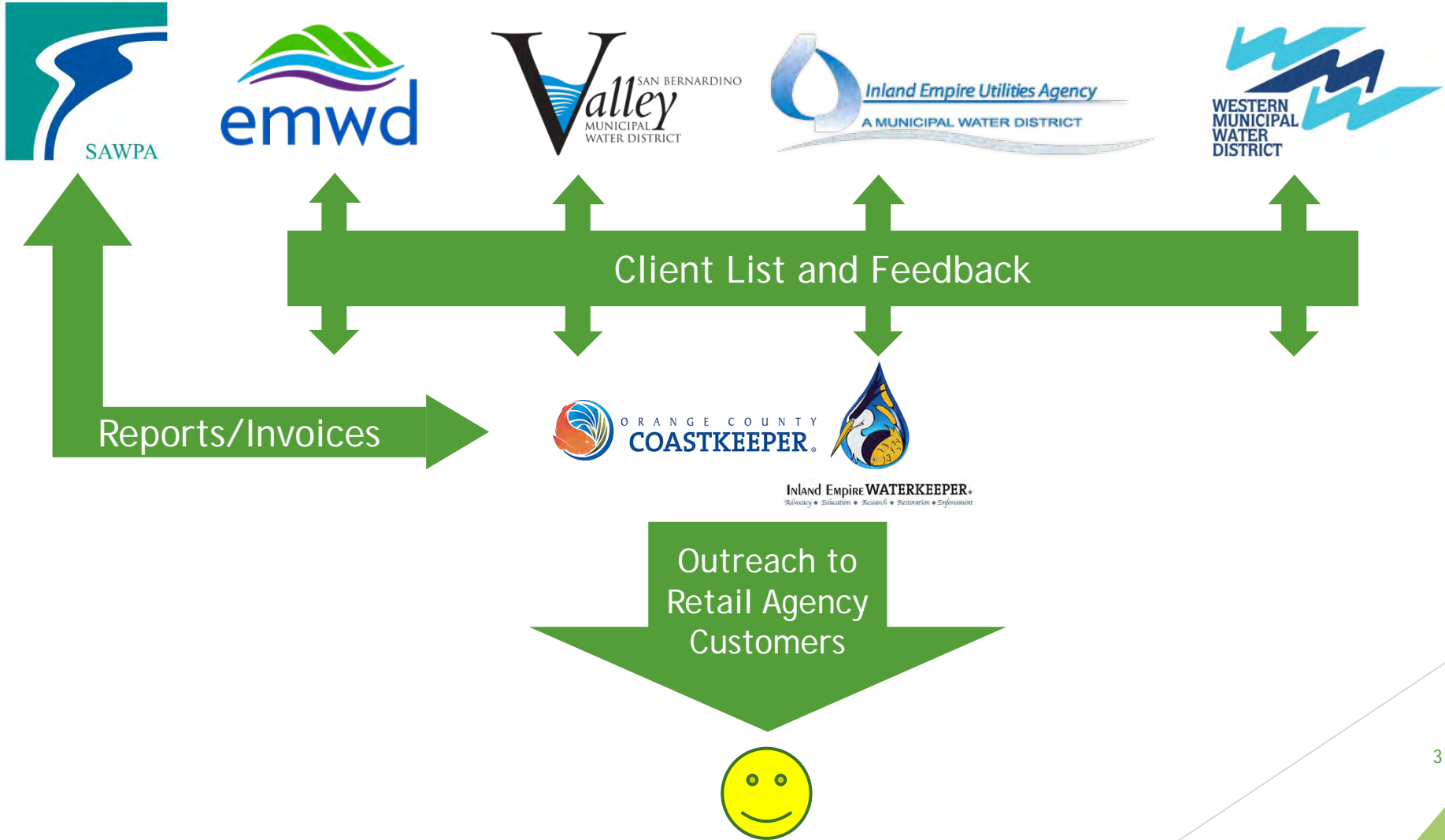


# Overview of SARCCUP\* Smartscape Program

- ▶ Smartscape is a partnership between SAWPA member agencies and OC Coastkeeper, developed in 2015 during SARCCUP initial grant application effort.
- ▶ Smartscape task list (partial list):
  - ▶ Landscape designs,
  - ▶ Brochures and signage,
  - ▶ Workshops, and
  - ▶ Physical improvements to residential irrigation systems.

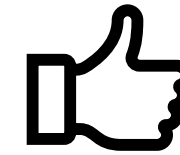


# Roles and Responsibilities



# Smartscape Completed July 30, 2020

Total Prop 84 Grant Invoiced (Includes Retention Withheld)	\$217,856
Total Cost Share Used*	\$210,686
<b>Grand Total</b>	<b>\$428,542</b>



Within Budget

\*Note: OCWD's SARCCUP cost share funding originally intended for the Smartscape Sub-Task was moved to Water Budget Assistance Sub-Task.

# Estimated Customers Served

Upper Watershed Agency	Estimated Customers Served	Notes
Easter Municipal Water District	4,400	Customers served through 26 community events/workshops and 17 home landscape site visits
Inland Empire Utilities Agency	600	Customers served through 183 Irrigation "tune-ups" and 15 residents through 5 residential landscape site visits
San Bernardino Valley Municipal Water District	74,000*	Customers served through 4 community workshops, 53 home landscape site visits, 4 brochures designed/distributed, 11 residential landscape designs, and 3 commercial landscape designs.
Western Municipal Water District	4,530	Customers served through 4 community events, 13 home landscape site visits, and 73 residential landscape designs for both homeowners and WMWD website.
<b>Total Estimate</b>	<b>83,350</b>	

\*This number is higher because OCCK/IEWK redesigned the front landscaping of the downtown public library in the City of San Bernardino. Amount is based on statistic that >90,000 residents use the library annually.



# Work in EMWD Service Area

- ▶ Estimated that 4,400 customers were served.
- ▶ Work included 26 community events and 17 home landscape site visits.



Moreno Valley Library  
Workshop



Perris Health Fair  
Community Event

# Work in the IEUA Service Area



Landscape Site Visit



Irrigation "Tune-Up"  
Sprinkler Head Fixed

- ▶ Estimated that 600 customers were served.
- ▶ Work included 183 Irrigation "Tune-Ups" and 15 residents through 5 residential landscape site visits.



# Work in the SBVMWD Service Area



Irrigation Workshop  
at East Valley Water  
District



Brochure that was  
designed and distributed

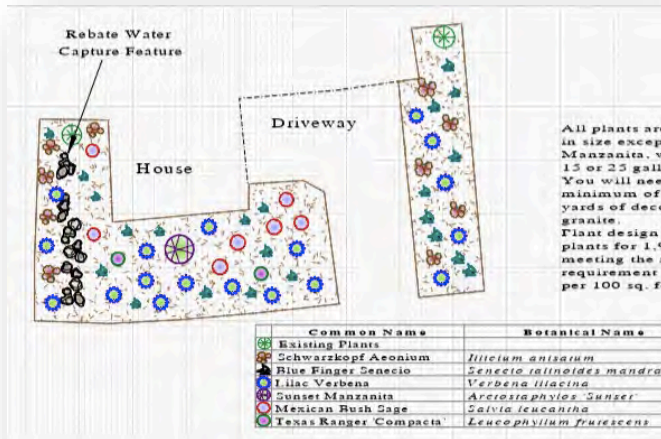
- ▶ Estimated that over 74,000 customers were served.
- ▶ Work included:
  - ▶ 4 community workshops, 53 home landscape site visits.
  - ▶ 4 brochures designed and distributed, 11 residential landscape designs.
  - ▶ 3 commercial landscape designs and signage for a conservation garden.



## Work in the WMWD Service Area

Western Municipal Water District  
Irrigation 101 workshop

- ▶ Estimated that 4,530 customers served through 4 community events.
- ▶ Work included 13 home landscape site visits, and 73 residential landscape designs for both homeowners and WMWD website.



Landscape design for  
homeowner



# Recommendation

Receive and file.

# Disadvantaged Communities Involvement Program

## Status Report

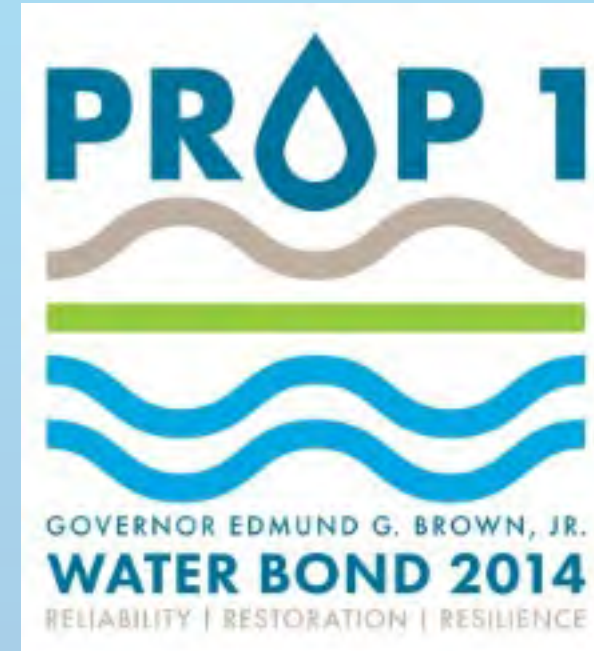
Rick Whetsel, Senior Watershed Manager  
OWOW Steering Committee | September 24, 2020  
Item No. 4.D.












# Disadvantaged Communities Involvement Program (DCI) Program

DWR established the Disadvantaged Community Involvement Grant Program to support the following objectives:

- 1) Work collaboratively to **involve DACs**, community-based organizations, and stakeholders in IRWM Planning efforts
- 2) Increase the understanding, and identify the **water management needs** of disadvantaged communities
- 3) Develop strategies and long-term solutions that appropriately address the identified DAC water management needs
- 4) **Support technical assistance** for planning of future construction projects including feasibility, design, CEQA, etc. - Not construction at this stage.

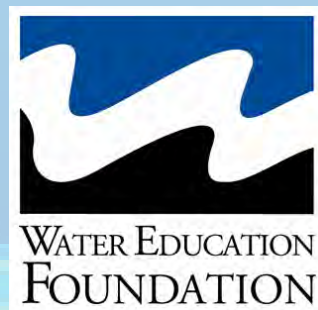


<b>Disadvantaged Communities Involvement (DCI) Grant Program Eligible Grant Activities</b>		<b>In SAWPA Scope</b>
<b>General Activity</b>	<b>Examples of Activity</b>	
<b>Technical assistance</b>	<b>Service provider trainings, local circuit rider programs to train water and wastewater staff</b>	
<b>Needs assessments</b>	<b>Surveys or meetings with community members to identify water management needs</b>	
<b>Project development activities</b>	<b>Planning activities, environmental compliance, or pre-construction engineering/design activities</b>	
<b>Site assessment</b>	<b>Water quality assessments, median household income surveys, data and mapping activities</b>	
<b>Engagement in IRWM efforts</b>	<b>DAC regional engagement coordinator role, DAC Advisory Committee to RWMG, DAC representatives in governance</b>	
<b>Governance Structure</b>	<b>Evaluation of governance structures and plan financing efforts, assessments of the level of DAC involvement in decision making processes</b>	
<b>Community outreach</b>	<b>Public project meetings open to community members, door-to-door outreach</b>	
<b>Education</b>	<b>Translation or interpretive services for information sharing, water education campaigns for community members, education for RWMGs on DAC needs</b>	
<b>Facilitation</b>	<b>Facilitated RWMG meetings, facilitated project development meetings</b>	
<b>Enhancement of DAC in IRWM Plans</b>	<b>Development of Funding Area-wide DAC plan to be utilized as a unified approach for all IRWM plans</b>	



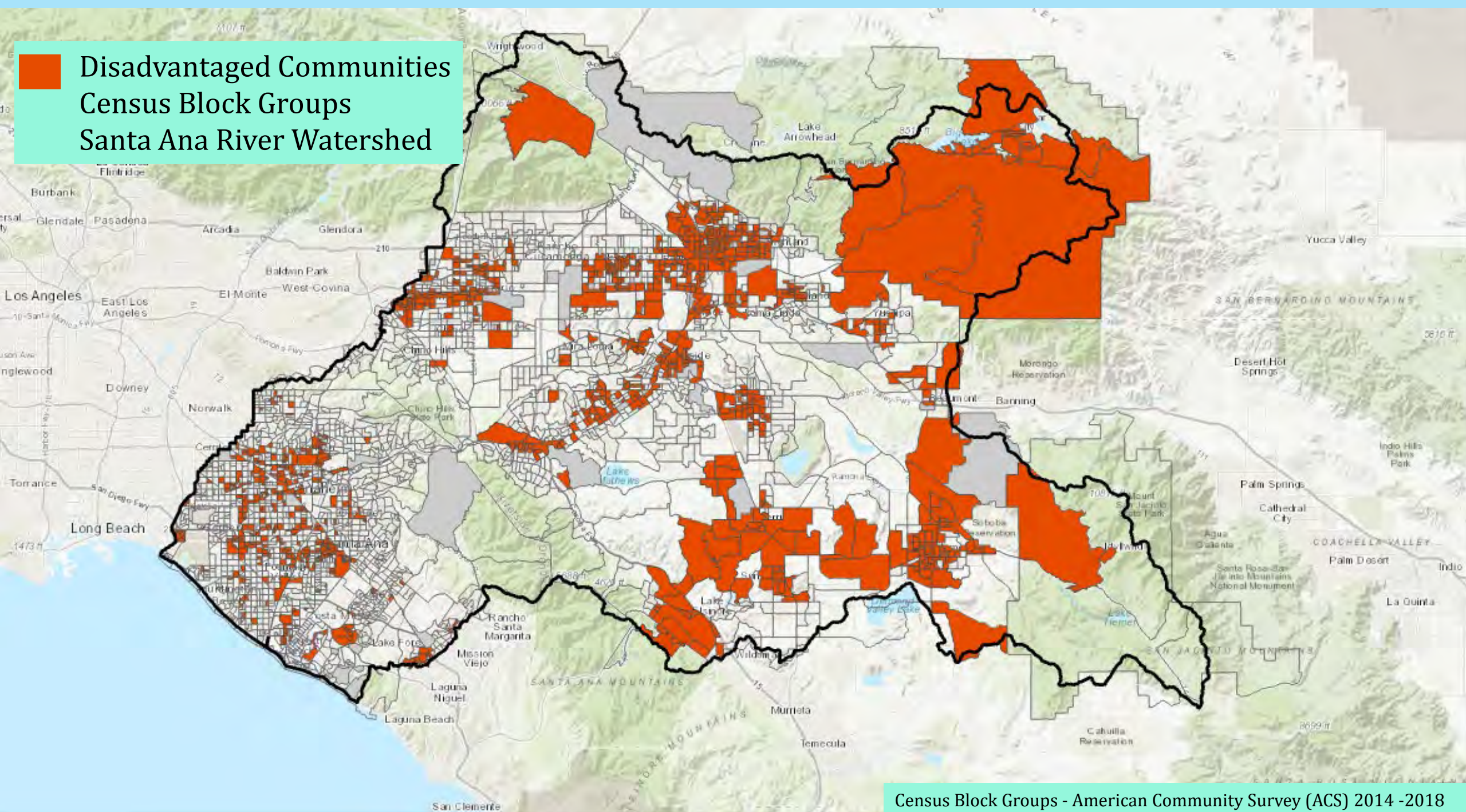
# Program Partners

Leveraging Resources for Biggest Impact





Disadvantaged Communities  
Census Block Groups  
Santa Ana River Watershed

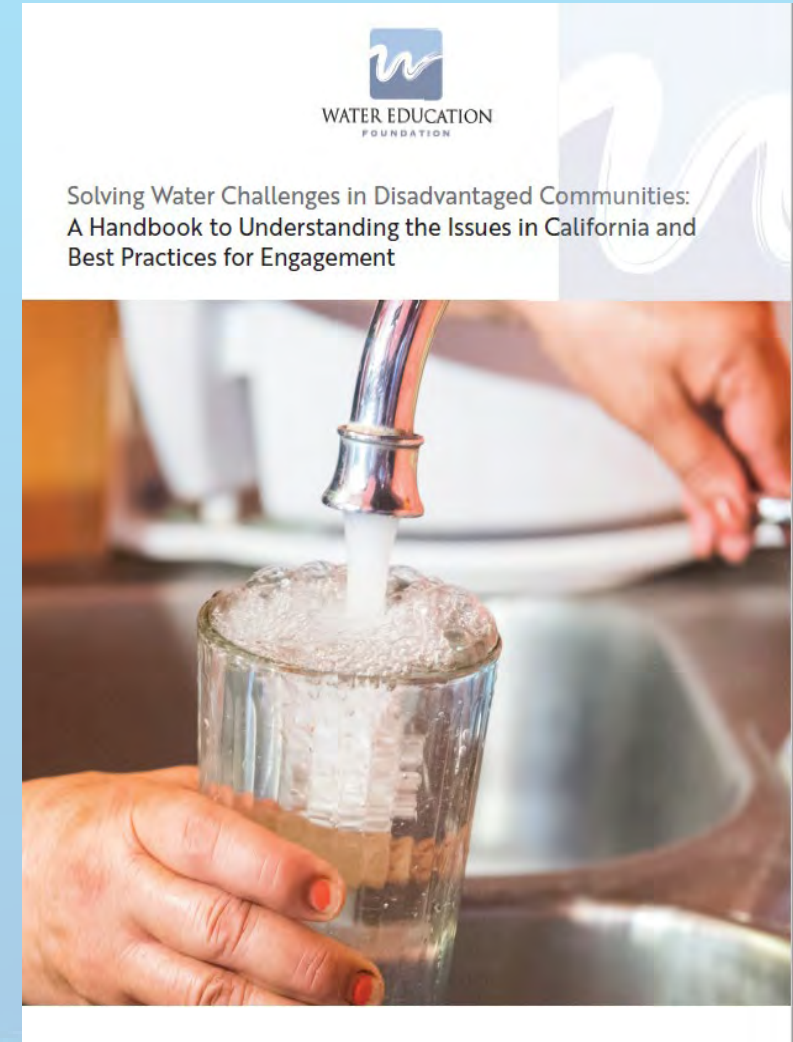






# Engagement Best Practices Publication

- Objective: Produce publication to report on engagement of disadvantaged communities and water management
- Case studies from around the state, including the SAWPA region
- Format: Printed publication distributed Statewide
- Activity Lead: Water Education Foundation
- Available of the SAWPA DCI webpage





# Disadvantaged Communities and Tribal Involvement Lessons Learned Summit

- SAWPA hosted statewide virtual Summit
- Focus on Disadvantaged Communities and Tribes Lessons Learned through the Prop 1 IRWM Program
- Highlights SAWPA DACI Program
  - Includes findings from other IRWM regions around the State
- Event Planning Committee Led by SAWPA
  - Includes DWR, other IRWM Regions and NGOs
- Summit Schedule:
  - 3 virtual events lasting approximately 4 hours each (9:00 - 1:00)
  - Dates: Thur 10/8/20, Tue 10/13/20, Wed, 10/14/20
- Key Deliverable: Summary Findings Report



# AGENDA SUMMARY

## DAY 1 - SETTING THE STAGE

Thursday, October 8

- **SUMMIT WELCOME**
  - Rich Haller, Santa Ana Watershed Project Authority
  - Wade Crowfoot, California Natural Resources Agency
- **OPENING PLENARY**
  - Laurel Firestone, State Water Board
- **PANEL: LESSONS LEARNED FROM 10+ YEARS OF IRWM ENGAGEMENT**
  - Jennifer Hazard, Rural Community Assistance Corporation
  - Holly Alpert, Inyo-Mono IRWM Program
  - Javier Silva, California Indian Environmental Alliance
- **PANEL: THE FUTURE OF REGIONAL WATER MANAGEMENT IN THE ERA OF COVID-19**
  - Carmel Brown and Anecita Aguustinez, Department of Water Resources
  - Lynn Rodriguez, IRWM Roundtable of Regions
  - Martha Camacho-Rodriguez, Social Eco Education-Los Angeles
- **SMALL GROUP STRATEGIZING**
  - **Cross-regional dialogue on priorities for Disadvantaged Community and Tribal Involvement**



# AGENDA SUMMARY

## DAY 2 - STRATEGIES FOR ENGAGING UNDERREPRESENTED COMMUNITIES

Tuesday, October 13

- **UNDERSTANDING LOCALIZED NEEDS**
  - Yana Garcia, California Environmental Protection Agency
- **CONCURRENT SESSIONS**
  - Session A: Models of Outreach & Engagement
  - Session B: Moving from Needs Assessment to Implementation
  - Session C: Post-Implementation & Reassessing in a Time of Crisis
- **ADDRESSING NEEDS IN YOUR REGION**
  - Applying New Approaches, Tools, and Resources
- **COMMUNITY AND TRIBAL LEADER PANEL**
  - How do we improve engagement?



# AGENDA SUMMARY

## DAY 3 - WHAT'S NEXT? ENGAGING BEYOND THE IRWM PROGRAM

Wednesday, October 14

- **LOOKING AHEAD**
  - Engaging Beyond Integrated Regional Water Management
- **CONCURRENT SESSIONS**
  - Session A: Sustainable Groundwater Management Act
  - Session B: Safe and Affordable Funding for Equity and Resilience
  - Session C: Watershed Health and the Needs of Unhoused Communities
  - Session D: Water Resilience Portfolio
- **BREAKOUT GROUPS**
  - Translating Collaborative Planning
- **DISCUSSANT PANEL**
  - Reflecting on What We've Heard and Where We're Going
- **SUMMIT WRAP UP**





# Ensuring Equitable Involvement in Regional Water Planning

*How far we've come, but we are far from done.*

Virtual Summit: October 8<sup>th</sup>, 13<sup>th</sup>, and 14<sup>th</sup>

Register at:

<https://www.lgc.org/summit/>



# Technical Assistance for Community Need

- Objective: Technical Assistance (TA) funding to support the development of projects and programs that address the water needs of disadvantaged and underrepresented communities.
- Requires evaluation of projects, plans, and programs following set of evaluation criteria developed by DCI Technical Advisory Committee (TAC)
- Allocated Funding \$2.9 M
- Work is ongoing



## DCI Program Technical Assistance Funding

TA Award	Project Sponsor:	Project Title:
\$25,630	CRWA / CSU WRPI	Median Household Income Surveys
\$74,441	SAWPA	Assessing the Water Quality, Riparian, and Aquatic Habitat Impacts of Homelessness in the Upper Santa Ana River Watershed
\$350,000	Soboba Band of Luiseno Indians	Residential Asbestos Cement Pipe Abandonment and Replacement Project
\$500,000	Big Bear Area Regional Wastewater Agency	Replenish Big Bear
\$121,939	California Rural Water Association	Tribal Advisory Committee (Tribal AC)
\$175,000	Box Springs MWC	Rehabilitation, Removal or Replacement of Water Storage Reservoirs with SCADA
\$200,000	City of Colton	Two New Potable Wells with Generators
\$100,000	Devore WC	New Reservoir, Distribution System Upgrades and New Well
\$150,000	Idyllwild WD	Water Treatment Plant Upgrade with SCADA
\$100,000	Marygold MWC	New Well and Generator Project
\$25,000	Riverside Highland WC	Ion Exchange System
\$250,000	Terrace MWC	New Potable Well
\$200,000	Eastern Municipal WD	Quail Valley Sub-Area 4 Septic to Sewer, Phase 1 Planning Analysis
\$277,990	City of Rialto	Bohnert/Banyon Septic to Sewer Project
\$100,000	Orange County WD	Watershed Education and Field Trip Program for Disadvantaged Community Elementary School Students
\$100,000	City of Fullerton	Fullerton's Water Future - Ensuring Delivery of Clean, Safe Drinking Water
\$50,000	Huerta del Valle	Reconnecting and Enhancing Water Resources for greater community and environmental benefit.
\$100,000	City of Santa Ana	Washington Avenue Well Project
\$2,900,000	Total Technical Assistance funding Awarded	

# ASSESSING THE WATER QUALITY, RIPARIAN, AND AQUATIC HABITAT IMPACTS OF HOMELESSNESS IN THE UPPER SANTA ANA RIVER WATERSHED

- Objective: Assess the impacts of homeless encampments along water ways in the upper Santa Ana River Watershed
  - (a) Literature Review and Assessment of Existing Information
  - (b) Preparation of Preliminary Monitoring Program
- Project Lead: GEI Consultants
- Activity Budget \$75 K
- Completed: July 2020
- Possible monitoring start in July 2021, dependent on local funding





# DCI Program Budget (through Q2 2020)

Program Element		Budget	Expenses	Balance	% Spent
<b>1</b>	<b>Strengths &amp; Needs</b>	\$ 898,644	\$ 898,644	\$ -	100%
<b>2</b>	<b>Engagement / Education</b>	\$ 1,853,068	\$ 1,495,135	\$ 357,933	81%
<b>3</b>	<b>Project Development</b>	\$ 3,233,288	\$ 1,524,652	\$ 1,708,636	47%
<b>4</b>	<b>Administration</b>	\$ 315,000	\$ 216,963	\$ 98,037	69%
	<b>Total</b>	<b>\$ 6,300,000</b>	<b>\$ 4,135,395</b>	<b>\$ 2,164,605</b>	<b>66%</b>



# Program Schedule

Element / Activity		2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3
<b>PE 1</b>	<b>Strengths &amp; Needs Assessment</b>					
<b>PE 2</b>	<b>Engagement / Education</b>					
12	<b>Engagement Best Practices Publications</b>					
14	<b>Community Water Education</b>					
15	<b>Water Agency Engagement Training</b>					
16	<b>Local Elected Leader Training</b>					
<b>PE 3</b>	<b>Project Development</b>					
18	<b>Technical Assistance / Project Implementation</b>					
20	<b>CivicSpark Water Fellows</b>					
<b>PE 4</b>	<b>Grant Administration</b>					

# Questions

