Santa Margarita Water District

SOUTH COAST WATER DISTRICT

SAN JUAN WATERSHED PROJECT

Local Reliable

California Water Commission

Stormwater Capture and Aquifer Recharge

April 17, 2019

TODAY'S DISCUSSION

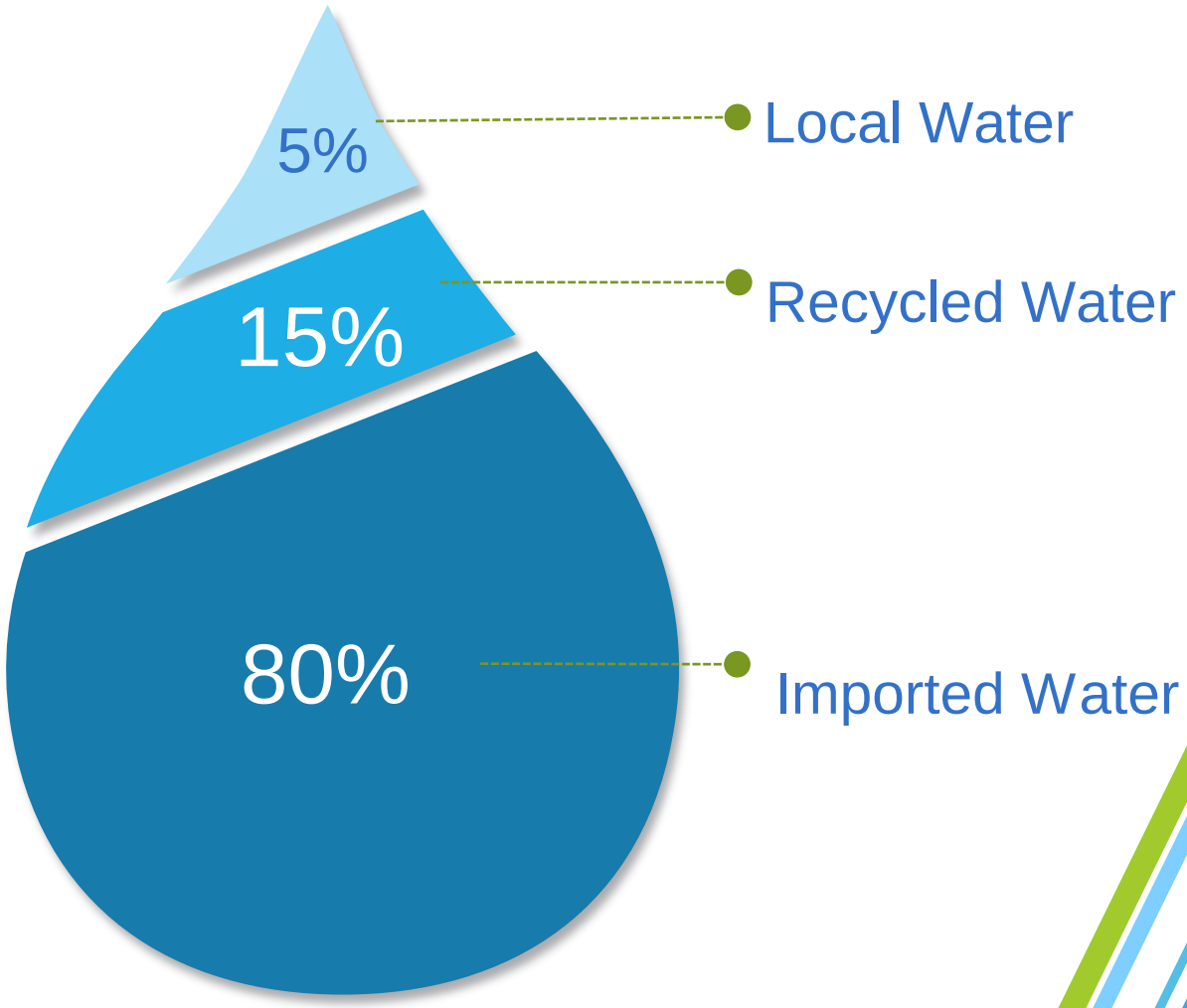
- Project Overview
- Key Dates
- CEQA Process
- Permitting
- Challenges
- Benefits

Santa Margarita Water District

SAN JUAN BASIN AUTHORITY

CURRENT SUPPLY

SOUTH ORANGE COUNTY



104,000 AFY

UNDER-UTILIZED WATER RESOURCES

Uncaptured groundwater underflow

Stormwater runoff

Ocean disposal

Uncaptured Water Today:
24,000 AFY (est.)

Basin to serve as reservoir

Local Reliable

17,240 AFY

5.6 billon gallons

SAN JUAN WATERSHED PROJECT

INNOVATIVE

ultimately

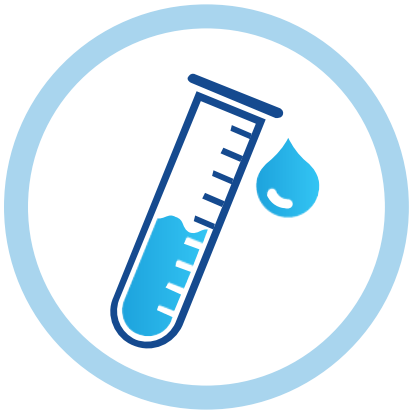
Enough Water For 50K Families

For **ONE** Year

SAN JUAN WATERSHED PROJECT

GOALS and BENEFITS

LOCAL SUPPLY

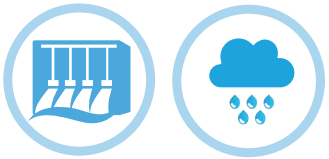


WATER QUALITY

ECOLOGICAL ENHANCEMENTS

WATER STORAGE

New Water: 500 to 1,400 AFY



PROJECT
PHASE 1

Install rubber dams

Capture and filter **stormwater**

Utilize **Existing** Facilities

Capital: $24 million

June 2016-2021

Similar to Existing Facilities

PROJECT PHASE 2

New Water: 1,820 to 4,160 AFY

Capture and filter
stormwater + recycled water

Capital: $86 million

2017-2023

PROJECT PHASE 3

New Water: 2,660 AFY
2019-2024

Incidental recharge
of recycled water

PROJECT ULTIMATE

Total Project:
4,980 - 8,220 AFY

KEY DATES

PROJECT PHASE 1

CEQA JUL 2016 – MAY 2019

Design/Permitting OCT 2016 – JUL 2020

Construction

CEQA PROCESS

Phase I – Project
Phases 2/3 - Program

Notice of Preparation – Dec 1, 2016
- Public Scoping Meeting – Jan 12, 2017
- Site Tours – Jan 26, 2017
  - NGO's
  - Public Official's
- Closed Public Comment Period –
  - Feb 2, 2017 (30 days req'd, 62 days prov'd)

Draft EIR Preparation – Feb 2017/Dec 2017
- Notice of Availability – Dec 8, 2017
- Public Meeting – Jan 30, 2018
- Receive Public Comments – Feb 23, 2018

Final EIR Certification – May 2019

PERMITTING

Activities

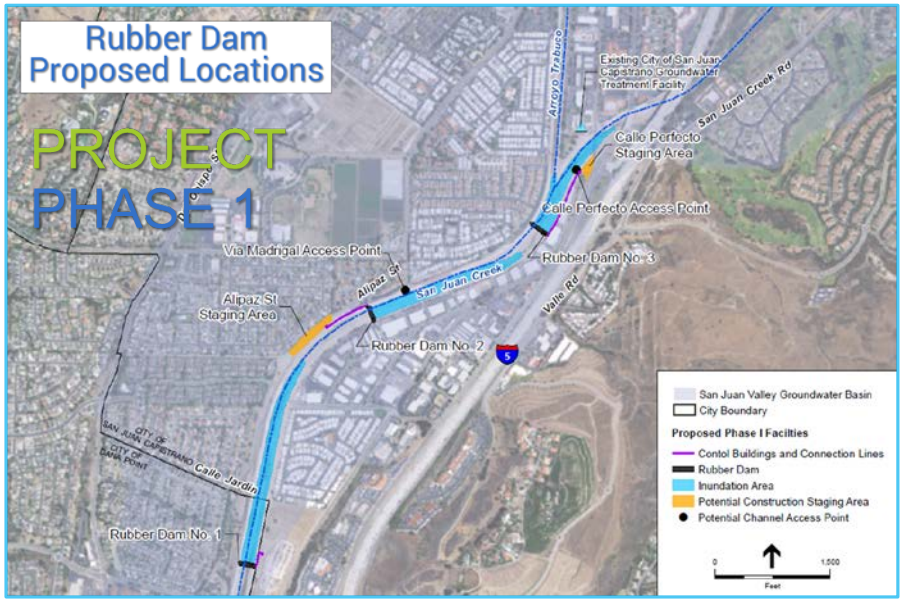
County of Orange
- Flood Control
- Public Works

State of California
- Regional Water Quality Control Board
- Department of Fish and Wildlife
- Department of Drinking Water
- Water Rights

Federal
- NOAA
- NMFS
- U.S. Army Corps

CHALLENGES

- Funding
  - Project Participants
  - Grant Opportunities
  - SRF Loans
- Multi -Agency Permitting
  - Fish Passage Design
  - Streambed Stabilization
  - Flood Control Aspects
- Cost/Benefit Allocations



BENEFITS

PROJECT PHASE 1

Water Supply

- Enhance Reliability
- Provide Drought Proofing
- Utilize Existing Treatment Facilities

Watershed

- Support MS4 Requirements
- Immediate Water Quality Improvement
- Environmental Enhancements
- Stabilize Streambed
- Aquatic Connectivity

Benefits seen within 24 -36 months

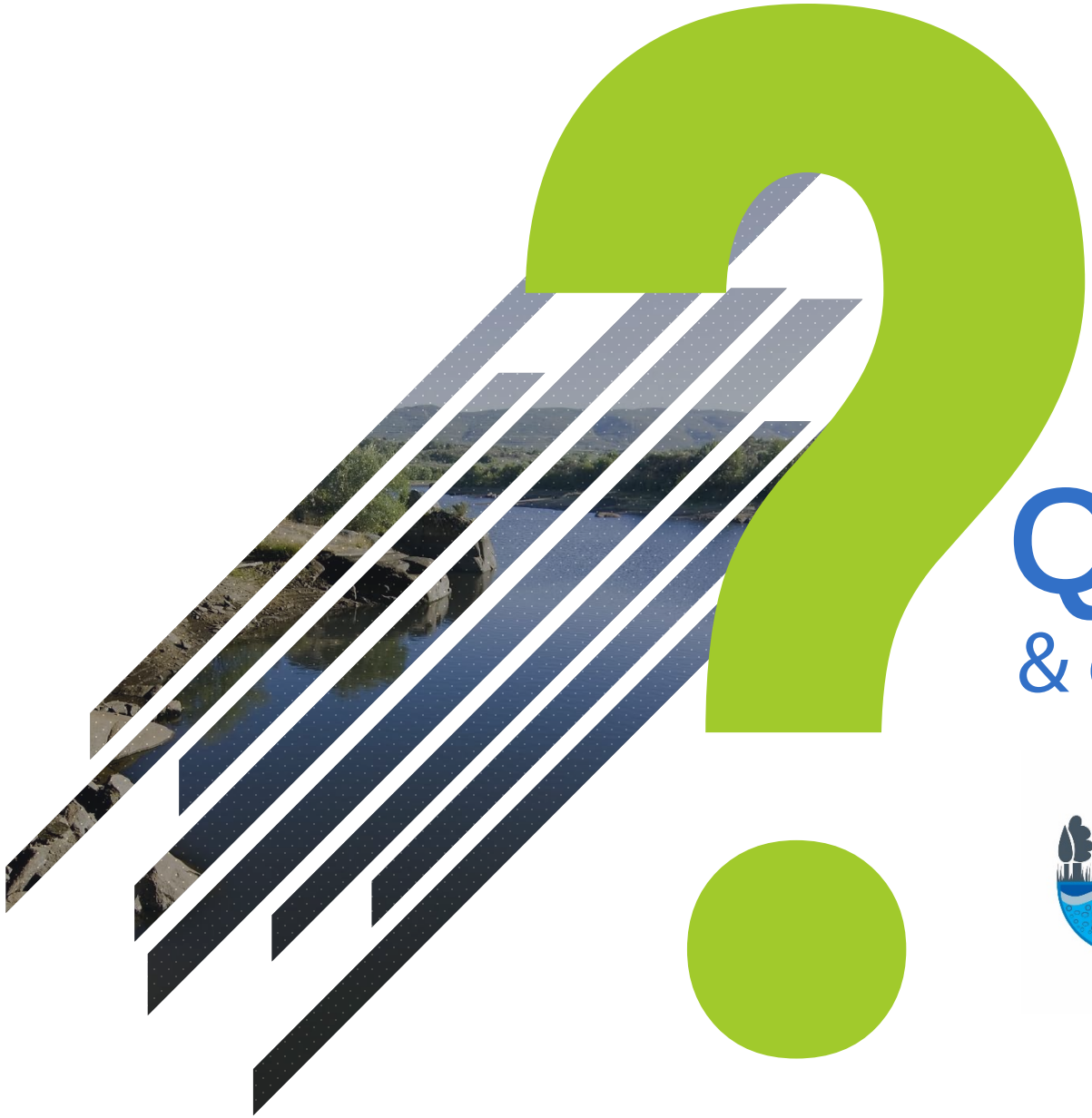
SAN JUAN WATERSHED PROJECT

BENEFICIARIES + PARTNERS

Santa Margarita Water District

Caltrans®

OCTA



Questions
& discussion

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