

SAN JUAN WATERSHED PROJECT

Local  Reliable

JULY 19, 2016

Overview: San Juan Watershed Project

Goals and Benefits

Phased Approach

Next Steps

Discussion

OVERVIEW

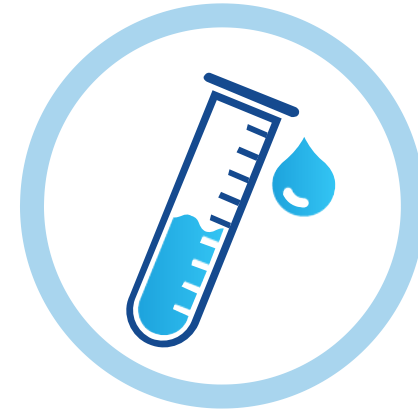


WHAT IS THE SAN JUAN WATERSHED PROJECT?

SAN JUAN
WATERSHED
PROJECT



LOCAL SUPPLY



WATER QUALITY

GOALS and
BENEFITS



ECOLOGICAL
ENHANCEMENTS



WATER STORAGE

**UNDERUTILIZED
WATER
RESOURCES**

Long-term, Multi-Phase project

Optimize use of water within the basin

Uncaptured groundwater underflow

Stormwater runoff

Ocean disposal

Uncaptured Water: 24,000 AFY (est.)

Basin to serve as reservoir

SAN JUAN WATERSHED PROJECT

Phase 1





New Water: 1,120 to 1,980 AFY

Install rubber dams

Capture and filter **stormwater**

Utilize Existing Facilities

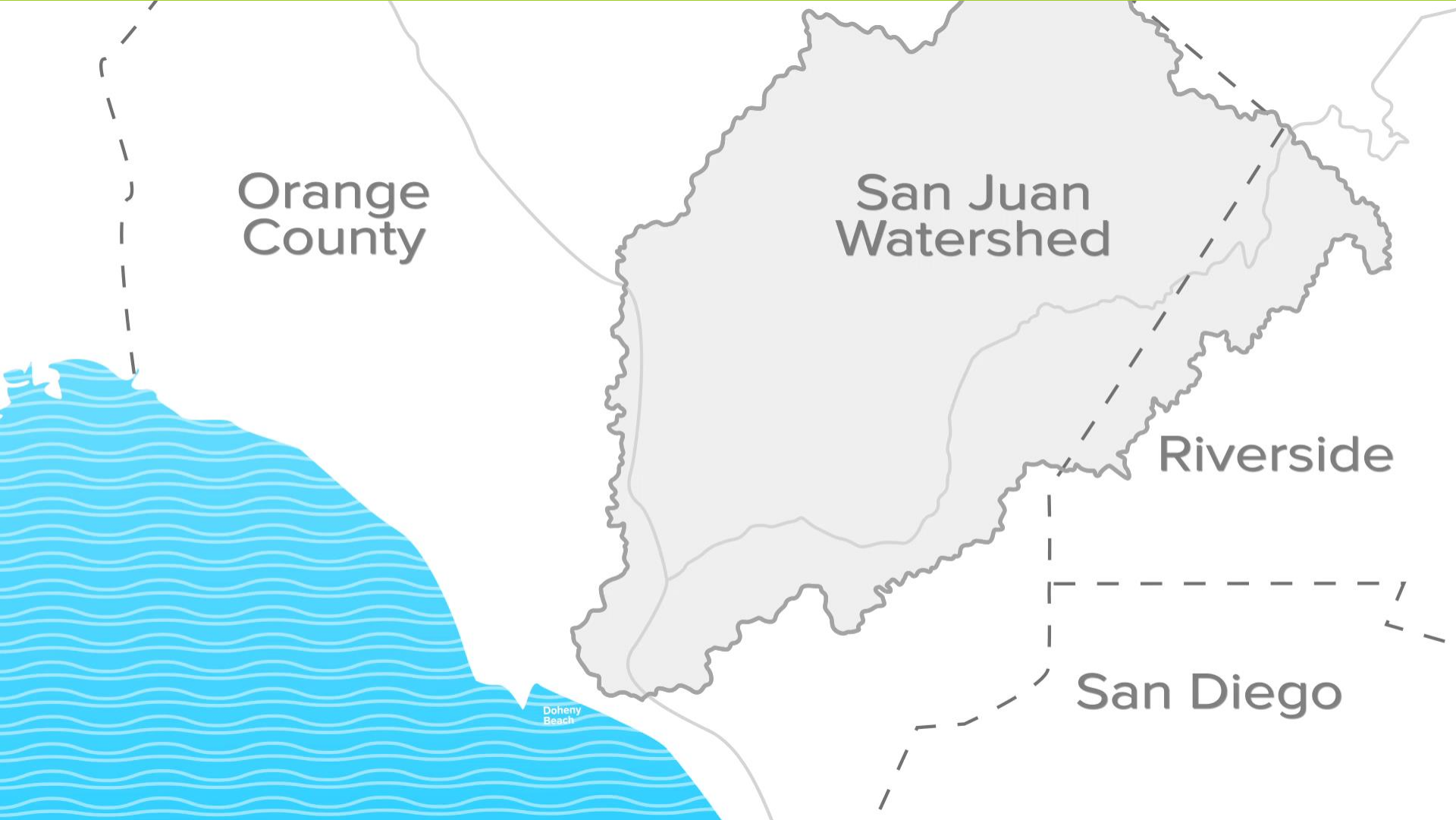
Capital: \$34 million

June 2016-2019



PROJECT PHASE 1





Orange
County

San Juan
Watershed

Riverside

San Diego

Doheny
Beach





LOCAL SUPPLY



WATER QUALITY



ECOLOGICAL
ENHANCEMENTS



WATER STORAGE

BENEFITS

Water Supply

Enhance Reliability

Provide Drought
Proofing

Utilize Existing
Treatment Facilities

Watershed

Conform to MS4
Requirements

Environmental
Enhancements

Stabilize
Streambed

Benefits seen within 24-36 months

PROJECT PHASE 1



PROJECT PHASE 1

KEY DATES



CEQA

JUL 2016

AUG 2017

Design/Permitting

OCT 2016

SEP 2017

Construction

OCT 2017

JUN 2018



New Water: 1,120 to 1,980 AFY

Cost of Water: \$1,230 to \$1,560 AF

**SAN JUAN
WATERSHED
PROJECT**

**Capital: \$34 million
\$430 to \$760 AF**

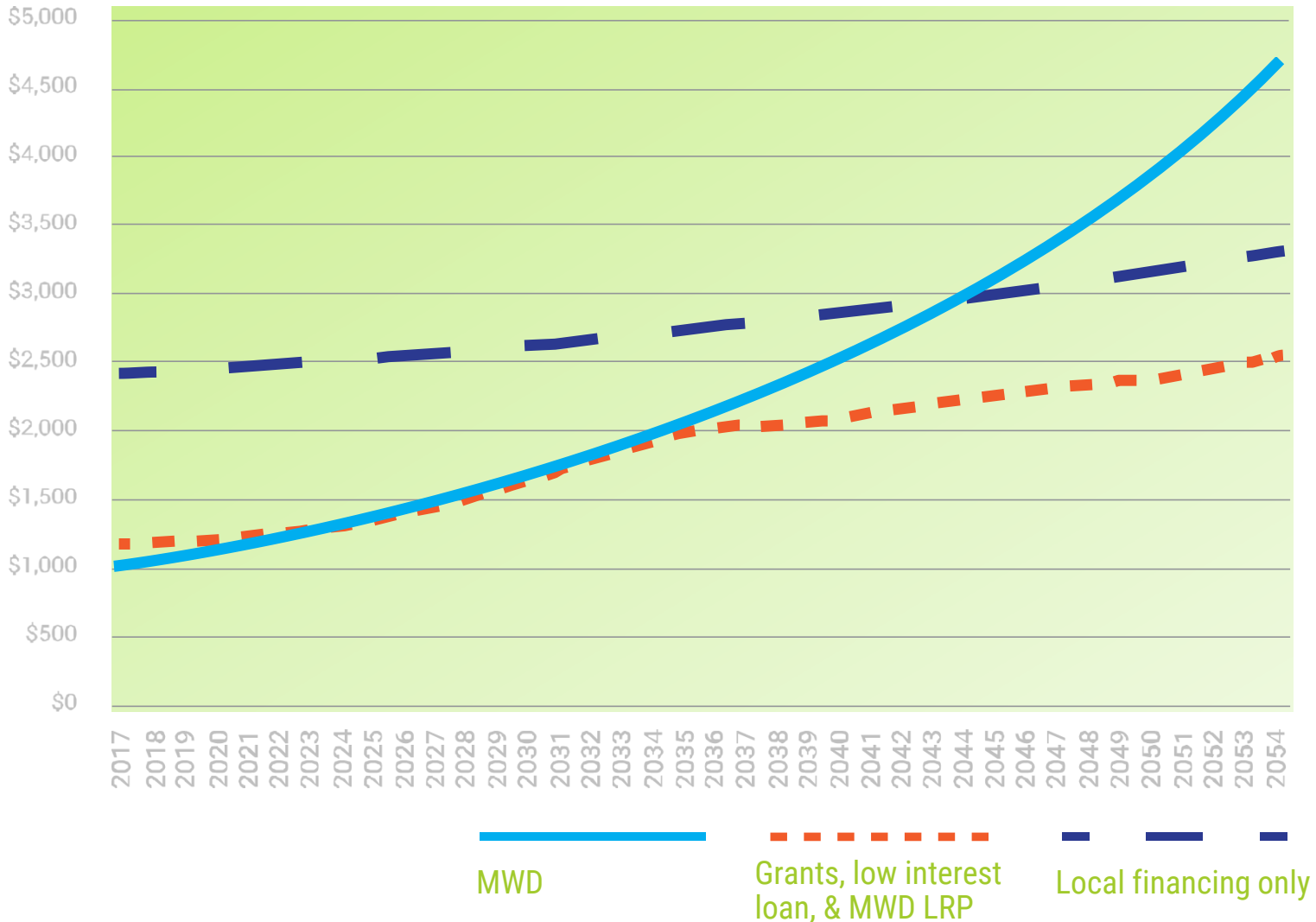
Operating: \$800 AF

Finance: \$120-210 AF

**PHASE 1
COSTS**



Preliminary Water Cost Comparison Between Phase 1 and MWD (\$/AF)



SAN JUAN
WATERSHED
PROJECT

PHASE 1
NEXT STEPS

Select CEQA Consultant

Submit Participation Intent
by September 15, 2016

Develop Water Rights Agreement

Evaluate Existing Facilities

Determine Financing



PART VI

SAN JUAN WATERSHED PROJECT PHASE 2



New Water: 2,660 to 4,920 AFY

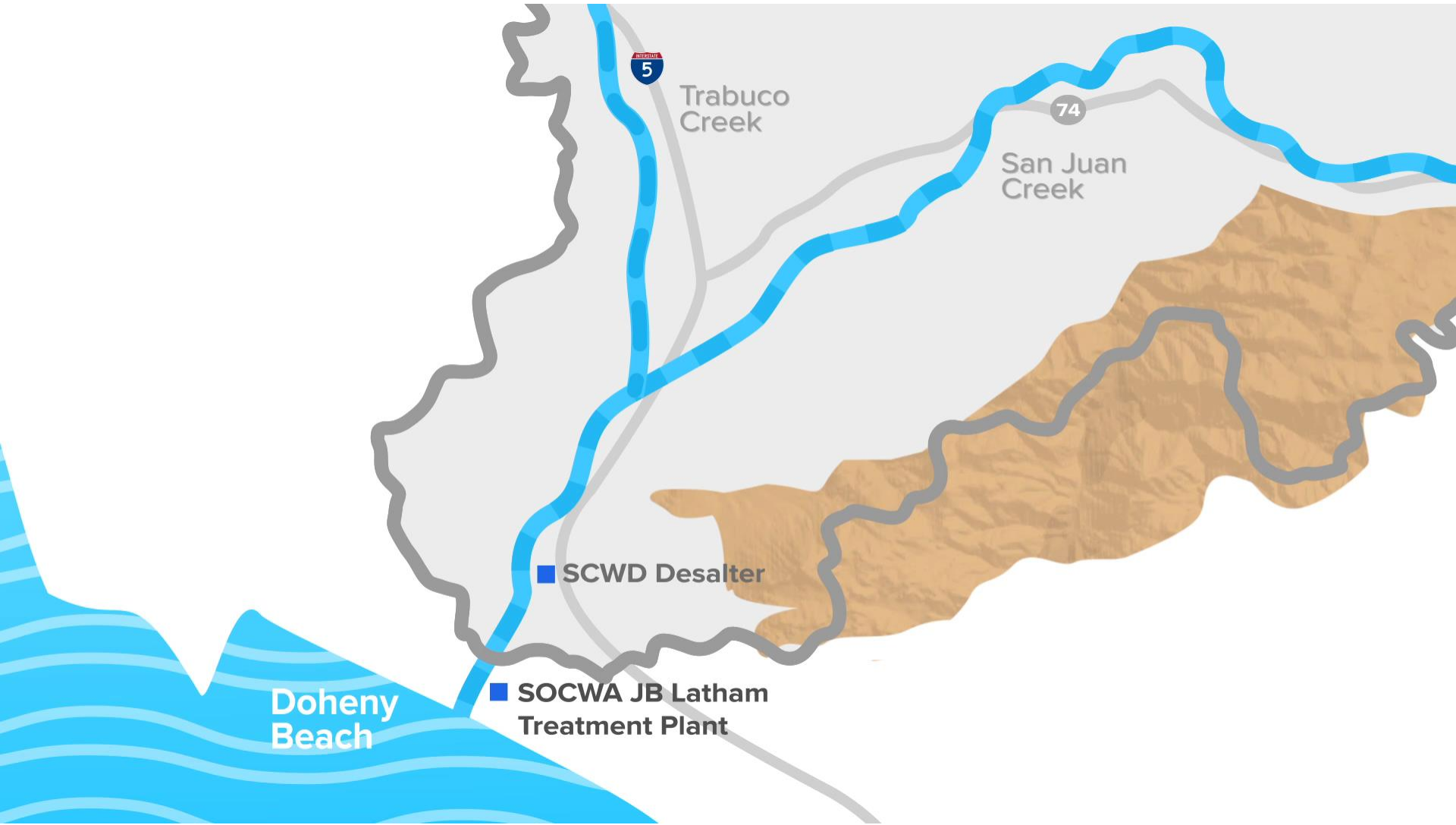
Capture and filter
stormwater + recycled water

Capital: \$86 million

2017-2023

**PROJECT
PHASE 2**





PART VII

SAN JUAN WATERSHED PROJECT PHASES 3 & 4



PROJECT PHASE 3

New Water: 2,660 AFY

**Incidental recharge
of recycled water**



PROJECT PHASE 4

Total Project: 8,220 AFY



NEXT STEPS

REGULATORY
ELEMENTS

Permitting Requirements

Policy Evaluation

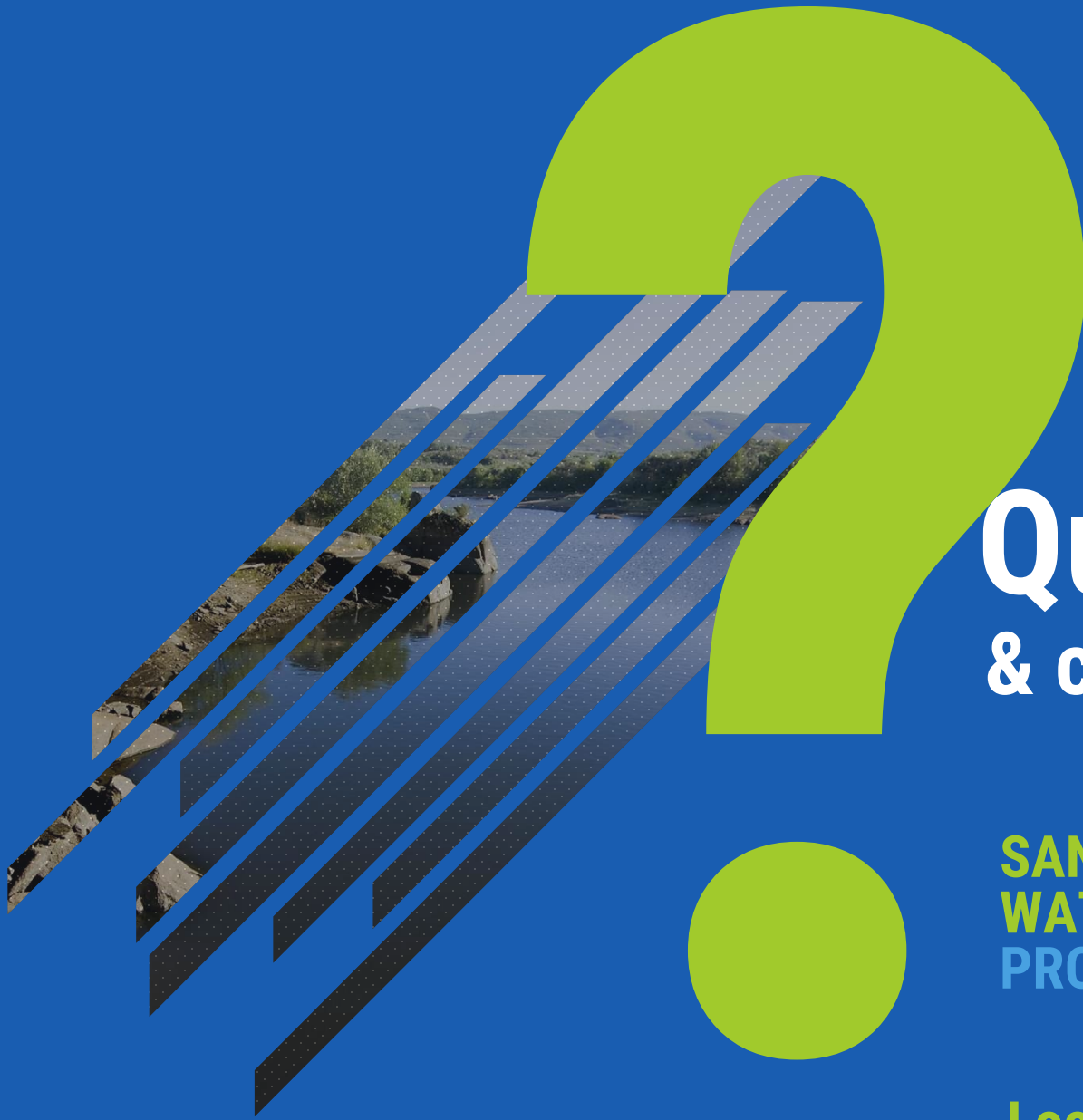
MS4 requirements

Live-stream recharge

In-basin retention time

Water quality improvements





Questions & comments

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WATERSHED
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