

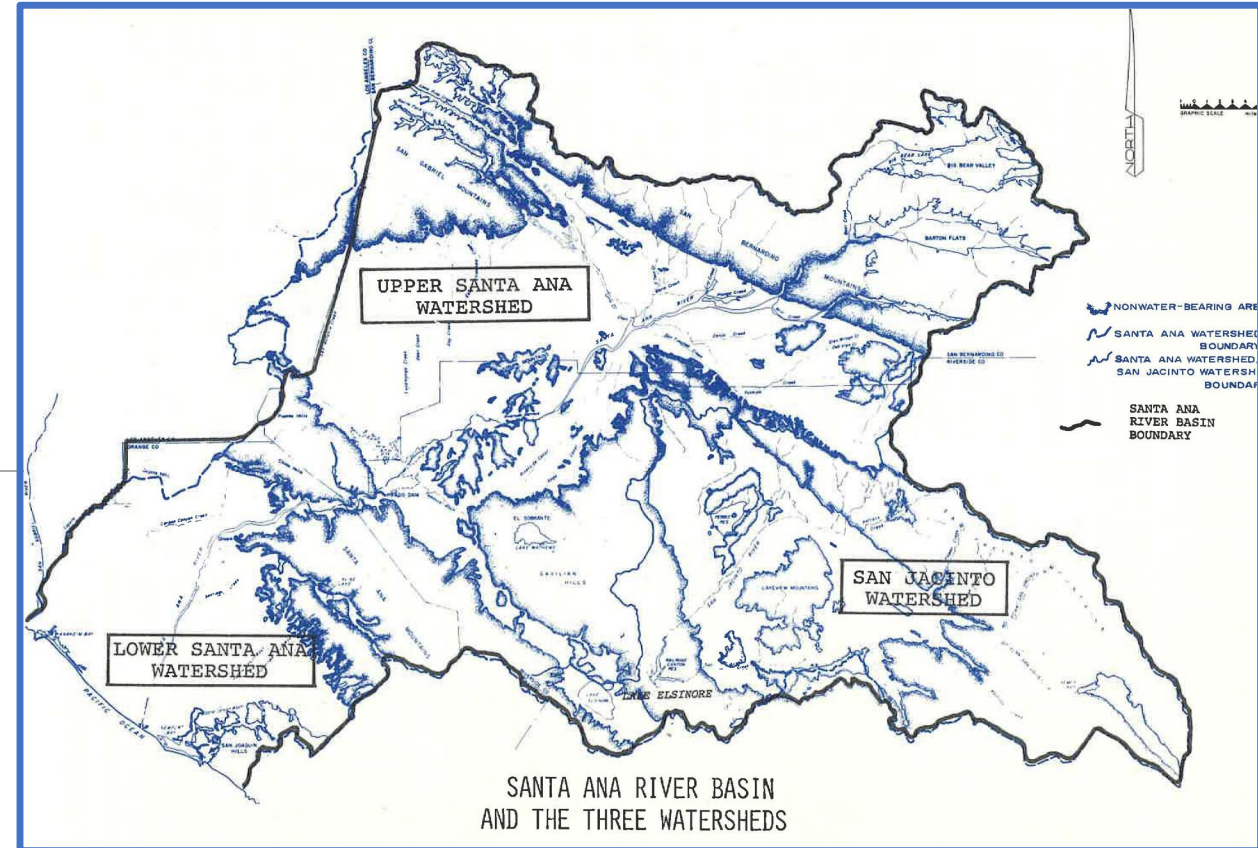


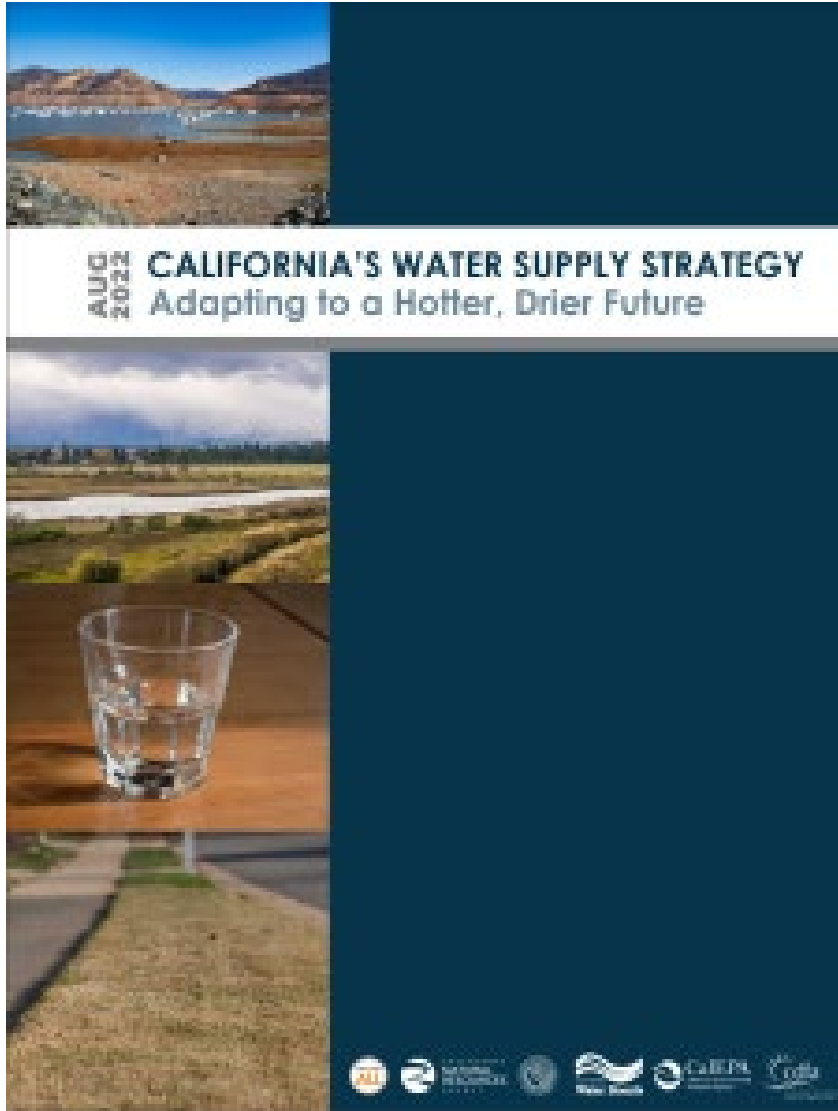
CALIFORNIA
Water Boards
SANTA ANA REGION

Santa Ana Water Board

WQCC, October 27-28, 2022

Jayne Joy, PE,
Executive Officer
Santa Ana Water Board



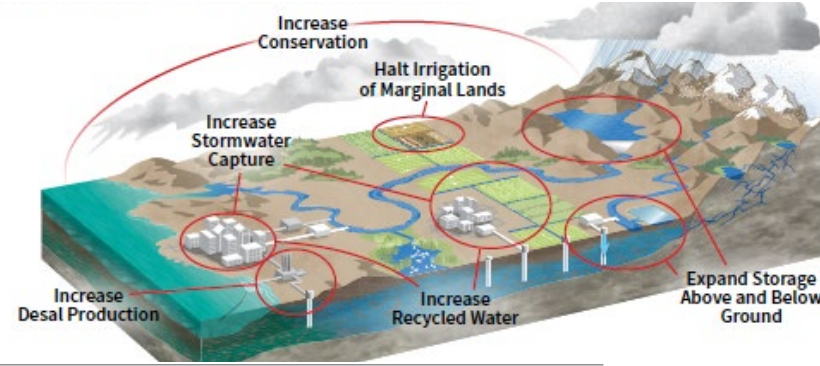


Santa Ana Water Board Update

Agenda

- Santa Ana Water Board Strategies
- Wastewater Recycling
- Brackish Groundwater Desalination
- Stormwater Capture
- Human Right to Water

Santa Ana Water Board Update



Water Quality Control Plan Report

SANTA ANA RIVER BASIN (8)

STATE WATER RESOURCES CONTROL BOARD

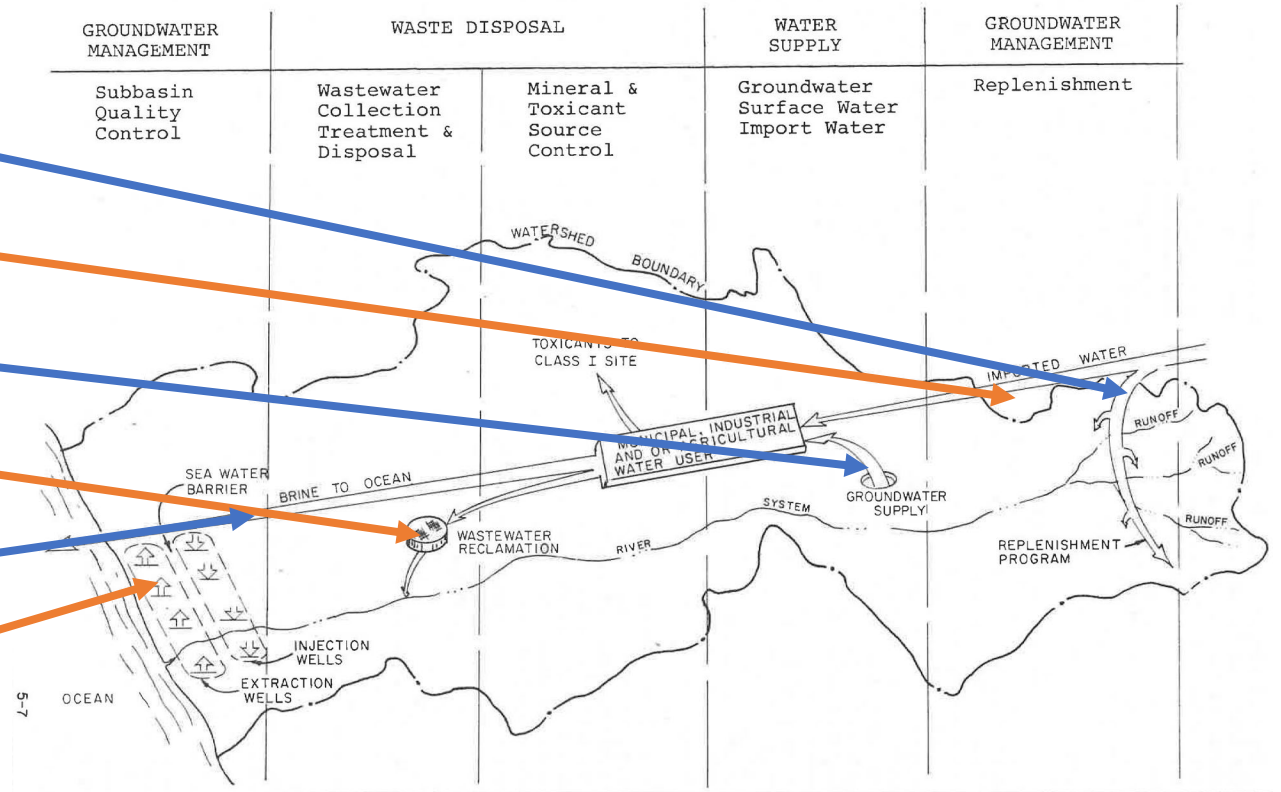
REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION (8)

PART I, VOL. I

R8: 1975 Basin Plan

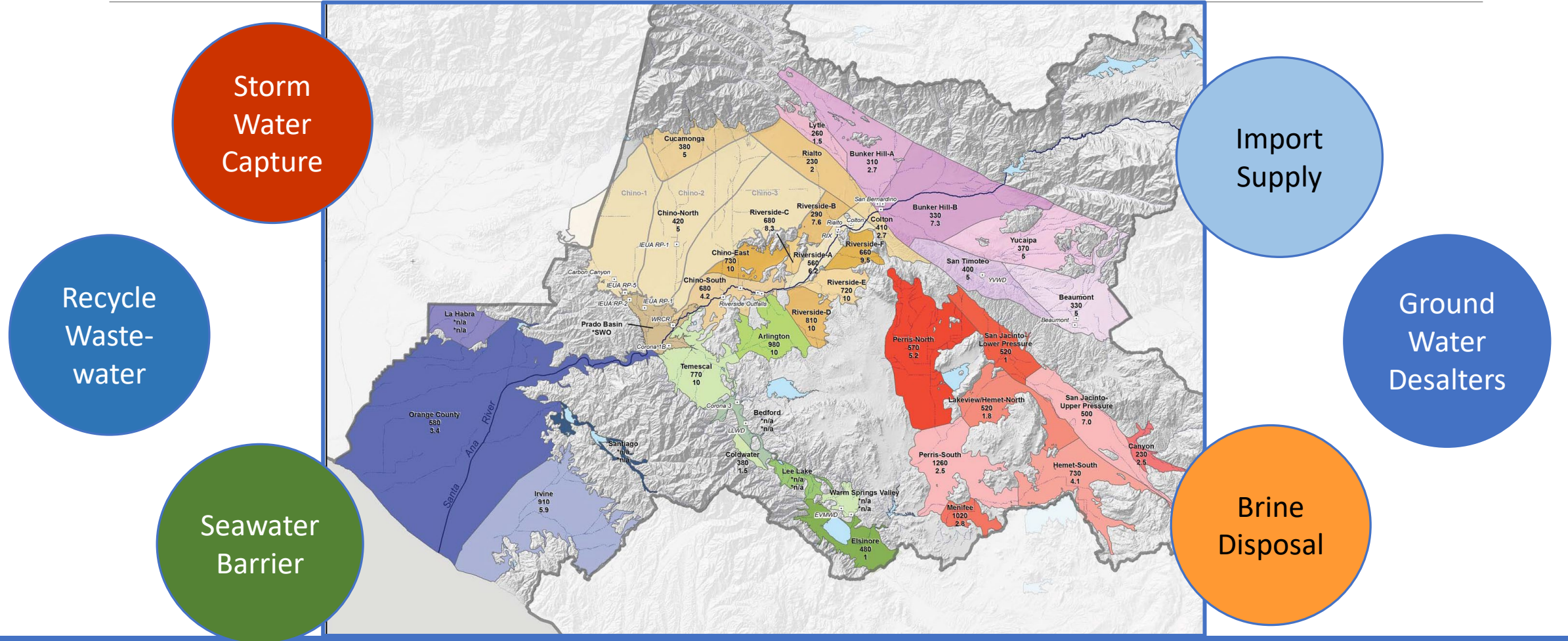
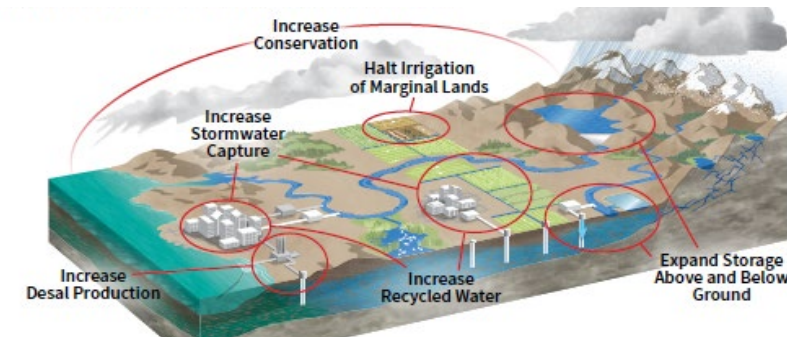
- Replenishment Program
- Imported Water Supply
- Groundwater Supply
- Wastewater Recycling
- Brine Disposal
- Seawater Barrier

FIGURE 5-1
DIAGRAMMATIC ILLUSTRATION OF WATER QUALITY MANAGEMENT SUB-PLANS



Sometimes to move forward, we have to look back.

Santa Ana Water Board Update



Santa Ana Water Board Update

Brackish Groundwater Desalination and Brine Disposal

- Desalination of brackish groundwater began more than two decades ago
- Chino I and II Desalters (14 MGD and 10.6 MGD)
- Arlington Desalter (6.4 MGD)
- EMWD Desalters (8 MGD)
- OCWD GWRS (100 MGD)

Wastewater Desalination

- Upper Santa Ana River's surface water and groundwater are protected using reverse osmosis of the effluent from Yucaipa and Beaumont



EMWD
Perris II Desalter
Ribbon Cutting
June 2022



Santa Ana Water Board Update

Stormwater Capture

- Prado Dam and Seven Oaks Dam
- Several Recharge Basins located along San Jacinto River and Santa Ana River

Future Opportunities

- Benefits of Regional Solutions



Santa Ana Water Board Update: Human Right to Water

Storm
Water
Capture

Recycle
Waste-
water

Seawater
Barrier

Import
Supply

Ground
Water
Desalters

Brine
Disposal

