June 12th Santa Monica Bay Restoration Commission Meeting – submitted by Zein Obagi

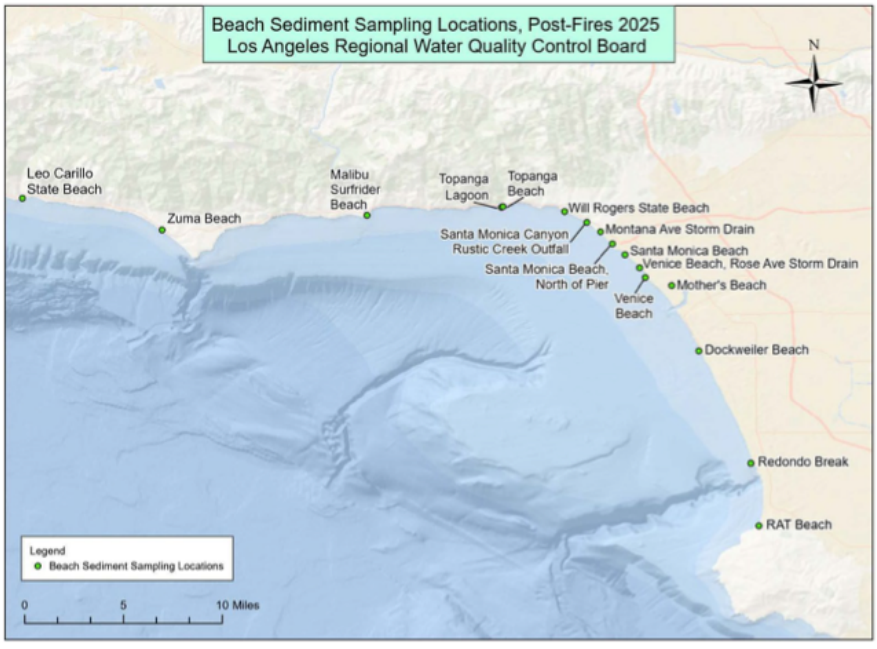
1) Wildfire Updates
   - Los Angeles Regional Water Quality Control Board – full presentation: https://www.smbrc.ca.gov/calendar/2025/jun/250612_gbmtg_4a_larwqcb.pdf

Ocean Water Quality Results

- Detections of metals and PAHs
  - Arsenic exceeded recreation risk screening level at several sites but within background levels
  - PAHs exceeded Ocean Plan fish consumption objective at 2 sites but within background levels
- No VOCs or PCBs detected

Beach Sediment Sand Monitoring

- Two sampling events: Feb. 25-27 and April 29-30
- 11 beaches and four storm drain/creek outfalls from Zuma Beach to RAT Beach
  - Leo Carillo added as background site for April 29-30 event
- Sediment and sand analyzed for metals, PAHs, and PCBs



Beach Sediment/Sand Results

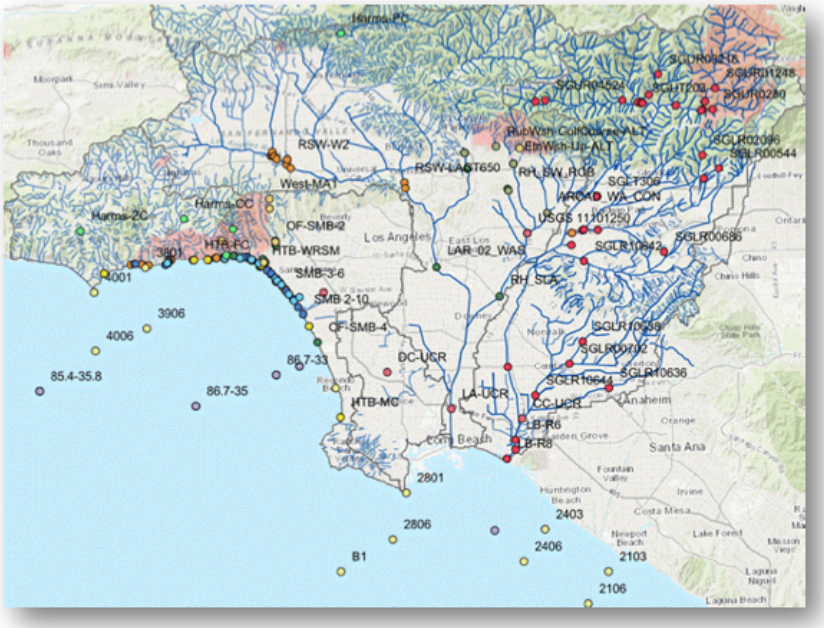
- Detections of metals and PAHs
  - Arsenic exceeded residential risk screening level but within background levels
- No PCBs detected

Coordination of Multi-agency Monitoring

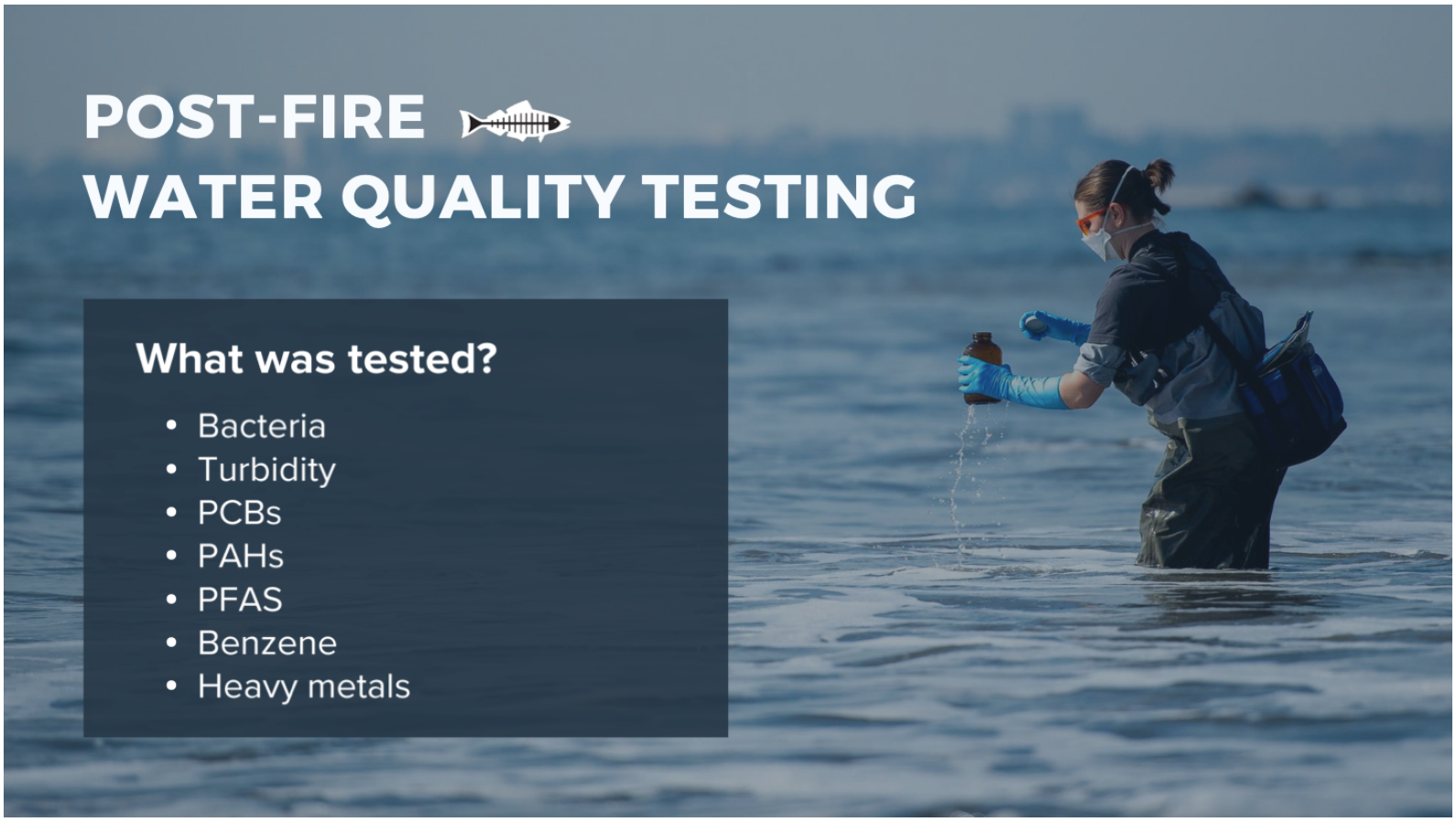
In the wake of the fires, staff contracted with SCCWRP to coordinate monitoring of other government agencies, academic institutions, and nonprofits

To ensure that appropriate methodologies are used, and high-quality data are generated the project will:

- create and facilitate an interagency, post-wildfire workgroup to ensure that adequate water quality monitoring is performed;
- identify key sites and indicators to be monitored;
- develop a set of recommended sampling and analytical methods, quality assurance and quality control measures, and data reporting requirements;
- coordinate sampling efforts to leverage resources.



- Heal the Bay's Post-Fire Water Quality Testing – full presentation: https://www.smbrc.ca.gov/calendar/2025/jun/250612_gbmtg_4a_htb.pdf

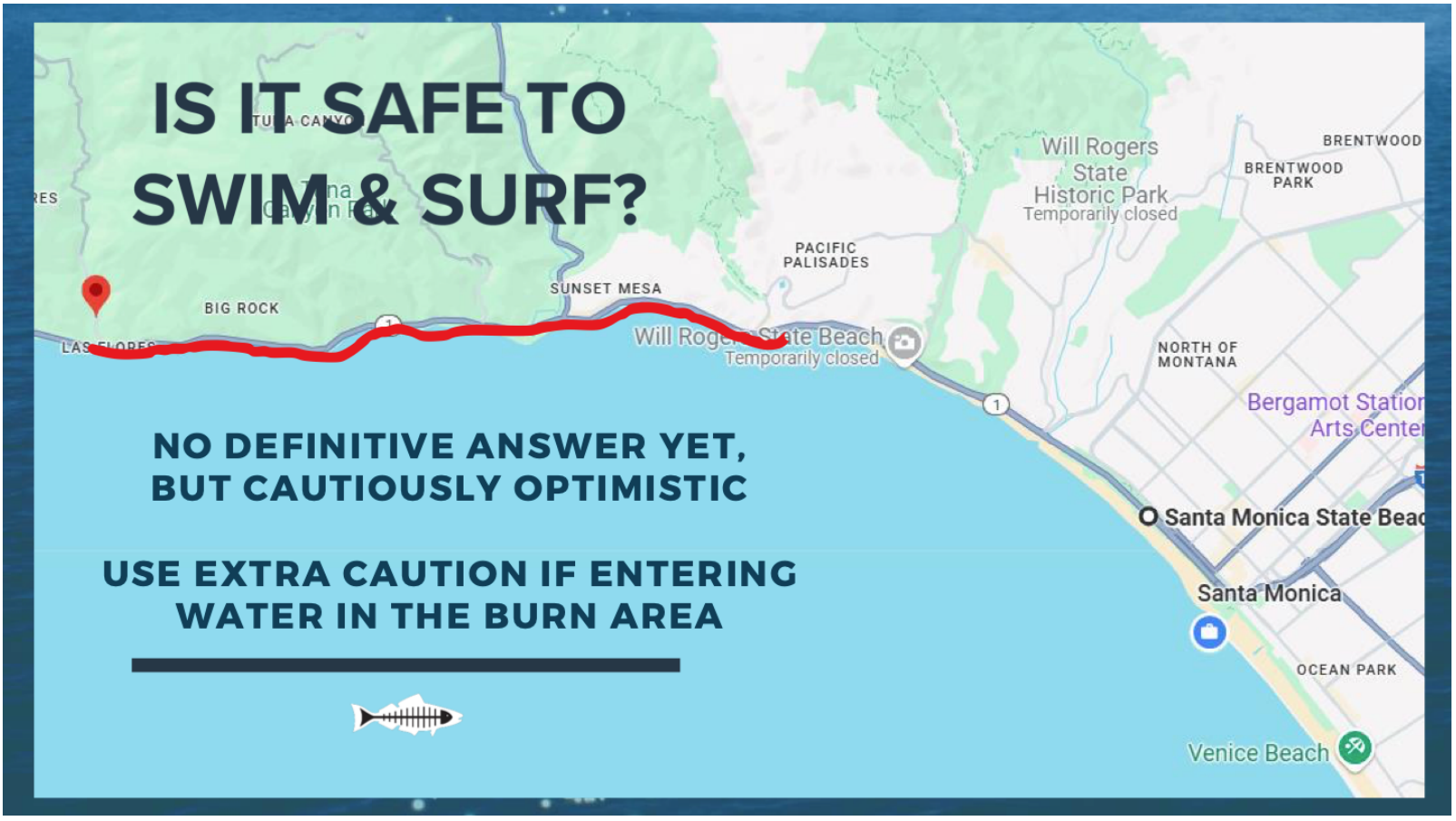


HOW DID HEAL THE BAY ANALYZE THE DATA?

Setting an Analysis Baseline

- Marine Life Analysis: Ocean Plan, National Water Quality Criteria, and Action Levels used to assess water quality following the Lahaina Fires in Hawaii.
- Human Health Analysis: Constituents that have human health limits in the Ocean Plan or National Water Quality Criteria

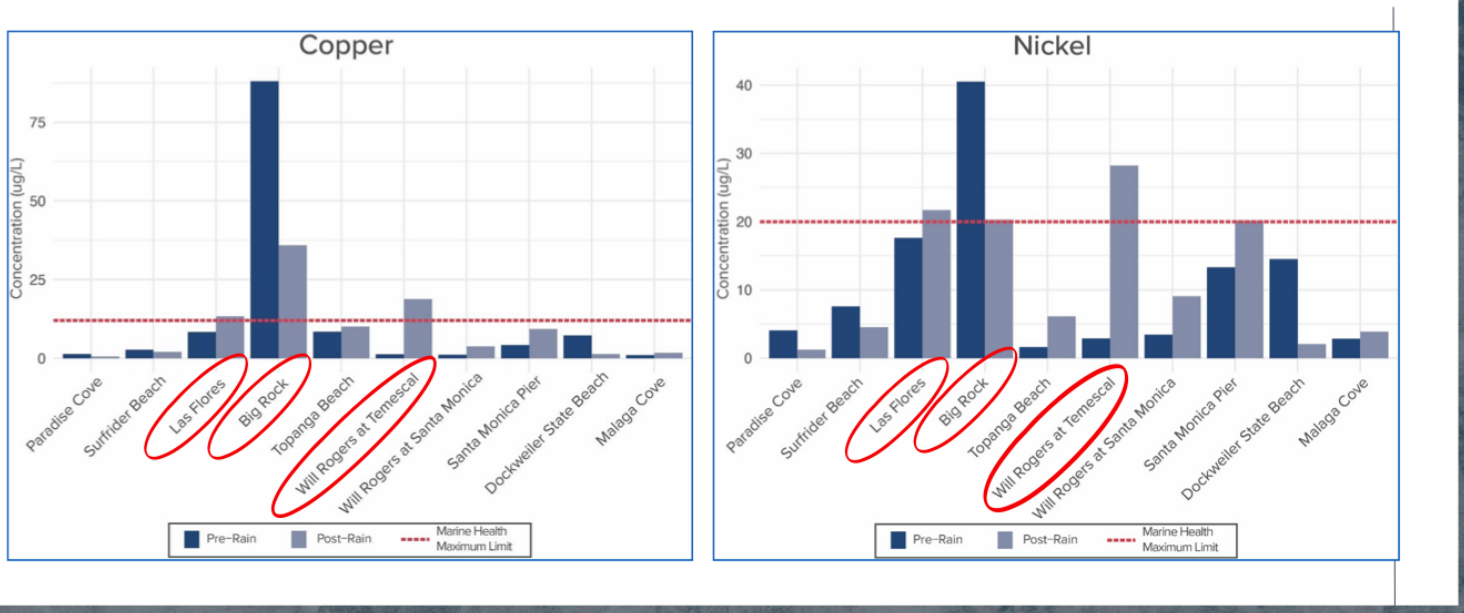
Pollutant Category	Pollutant	Units	Maximum Limit	Avgerage Limit	Source	Average Limit	Source
PCB	PCB	ng/L	-	0.03	National Water Quality Criteria: Aquatic Life	0.019	California Ocean Plan - Human Health
PAH	Phenanthrene	ng/L	4600	-	Hawaii Surface Water Action Level - Marine Habitats	8.8	California Ocean Plan - Human Health
	Anthracene	ng/L	730	-	Hawaii Surface Water Action Level - Marine Habitats		
	Fluoranthene	ng/L	7100	-	Hawaii Surface Water Action Level - Marine Habitats		
	Fluorene	ng/L	3900	-	Hawaii Surface Water Action Level - Marine Habitats		
	Pyrene	ng/L	10000	-	Hawaii Surface Water Action Level - Marine Habitats		
Heavy Metals	Beryllium	ug/L	0.038	-	Hawaii Surface Water Action Level - Marine Habitats	0.033	California Ocean Plan - Human Health
	Chromium	ug/L	8	2	California Ocean Plan - Marine Aquatic Life	190000	California Ocean Plan - Human Health
	Copper	ug/L	12	13	California Ocean Plan - Marine Aquatic Life	1300	National Water Quality Criteria - Consumption of Organisms
	Lead	ug/L	8	2	California Ocean Plan - Marine Aquatic Life	15	California Regulations Related to Drinking Water - Action Level
	Nickel	ug/L	20	5	California Ocean Plan - Marine Aquatic Life	100	California Regulations Related to Drinking Water - Maximum Level



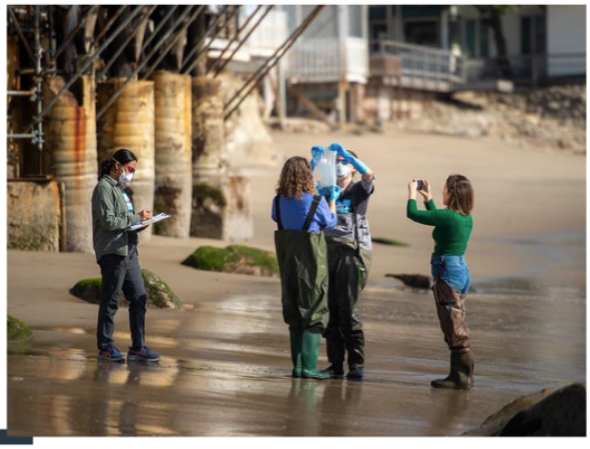
Assessing Risk to Marine Life

Heavy metals can negatively affect organ function, disrupt fertility, impact development, and damage DNA in marine wildlife.

Assessing Risk to Marine Life



FIRE RESPONSE PARTNERSHIPS



- LA County Fire Department and Lifeguards
- USC, UCLA, and CSUN
- LA County Watershed Taskforce
- SCCWRP Post-Fire Regional Monitoring Network
- The Resource Conservation District of the Santa Monica Mountains and US Fish and Wildlife Services
- US Army Corps of Engineers
- Blue Ribbon Commission on Climate Action and Fire Safe Recovery

- Resource Conservation District of the Santa Monica Mountains – full presentation: https://www.smbrc.ca.gov/calendar/2025/jun/250612_gbmtg_4a_rcdsmm.pdf

Constituents tested from in-situ and grab samples Contributing data to the SCCWRP consortium

In-situ

Depth (cm)

Water and air temperature (°C)

Salinity (ppt)

Dissolved O_2 (mg/l)

pH

LaMotte Colorimeter

Nitrates – N

Nitrites – N

Orthophosphates

Ammonia

LaMotte Turbidity Meter

Sediment samples collected at all three locations and sent to UCSC and CSULB

2) Pure Water LA Presentation – full presentation:
https://www.smbrc.ca.gov/calendar/2025/jun/250612_gbmtg_4b_pwla.pdf

PURE WATER LOS ANGELES

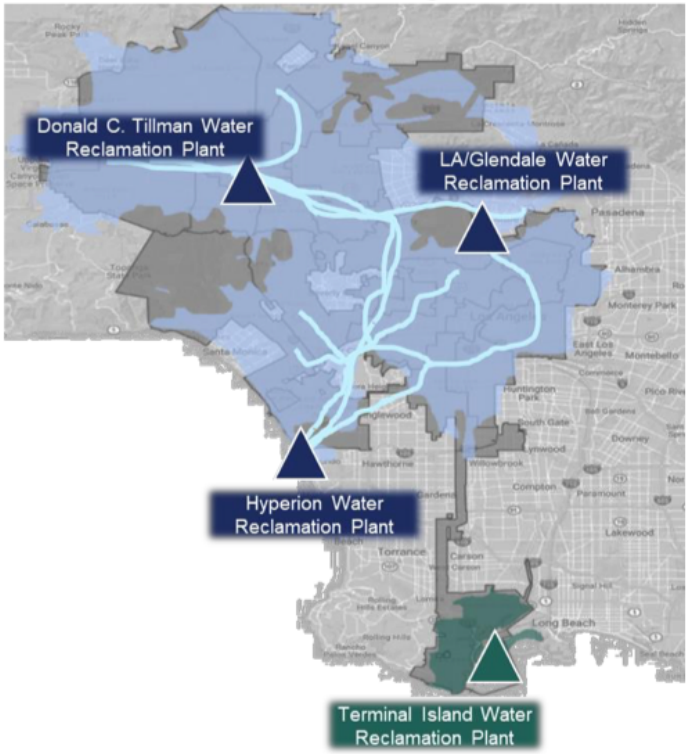
Pure Water Los Angeles Program Update

Christina Jones & Johan Torroledo

June 12, 2025

Santa Monica Bay Restoration Commission

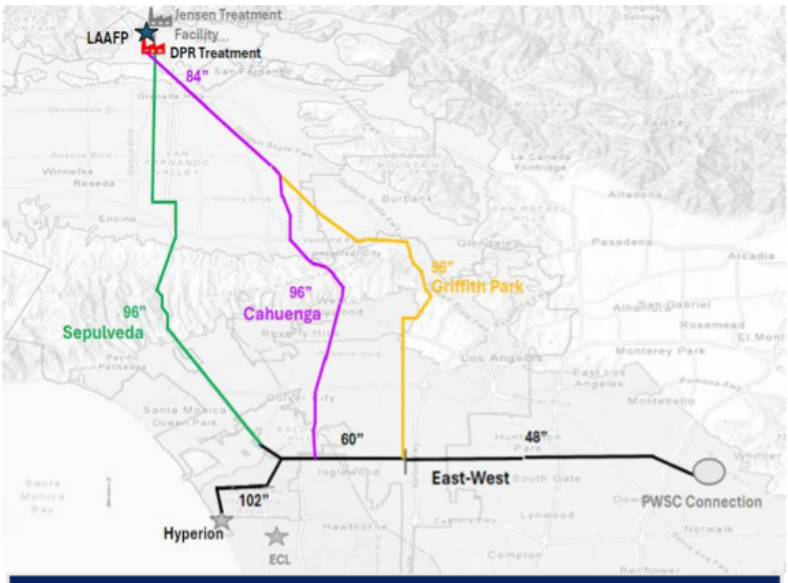
Wastewater System Overview



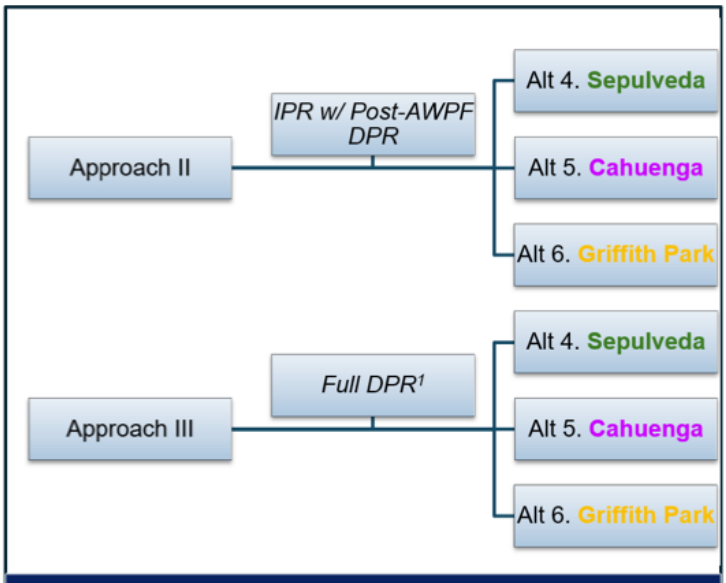
- 4.7 million people
- 600 square miles
- 29 contract agencies
- 6,700 miles of sewers
- Hyperion Water Reclamation Plant treats an average of 270 million gallons per day

PURE WATER LOS ANGELES

Treatment and Conveyance Strategies



DPR Regulations Approved by State on December 19, 2023



[1] – Approach III is IPR initially, then phased to full DPR.
[2] – All Alternatives include a connection to MWD's Pure Water Southern California Program.

PURE WATER LOS ANGELES