Examples of Seawater Intrusion and Salinity Management In California

MONTGOMERY & ASSOCIATES
Water Resource Consultants

SVBGSA Advisory Committee Meeting

August 20, 2026

Management with Injection/Extraction/Recharge

Location	Injection/ASR/Recharge		Extraction
	Length	# of Injection Wells	# of Extraction Wells
Orange County (Talbert Gap)	~3 miles	109 (5 Aquifers)	
Orange County (Sunset Gap)		In Design	In Design
LA Central Basin (Alamitos Barrier)	2.2 miles	60 (4 Aquifers)	4
LA West Coast Basin (Dominguez Gap Barrier)	~6 miles	92 (3 Aquifers)	
LA West Coast Basin (West Coast Barrier)	~6 miles	159	In Design
Soquel Creek	~1 mile	3	
Alameda County	~7 miles	Recharge Basins	5
Oxnard Plain			In Design
Santa Cruz		Planned	

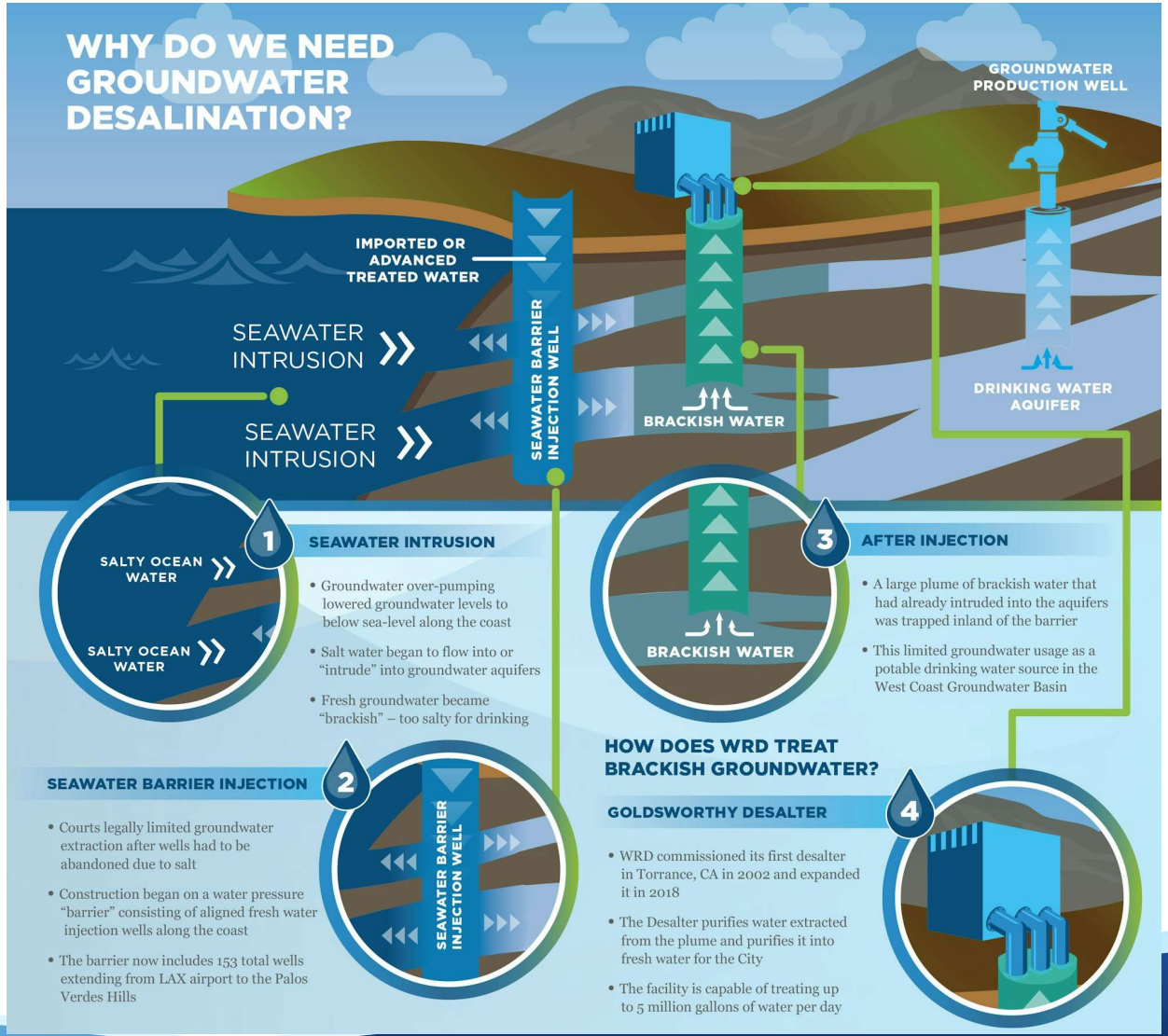
Management with In-Lieu Delivery/Fallowing

Location	In-lieu deliveries	Fallowing/ Move Wells
LA West Coast Basin (West Coast and Dominguez Gap)	(In Design) Treated Brackish Groundwater	
Oxnard Plain	(In Design) Treated Brackish Groundwater	
Pajaro Valley	Treated Wastewater	X
Santa Cruz		X (Temporary)
Salinas Valley (CSIP/SVWP)	Treated Wastewater Salinas River Water Groundwater	

Desalination/Desalting

Location	Source Water	Treatment Size (millions of gallons/day or mgd)
Orange County (Santa Margarita Water District)	Mineralized/brackish groundwater	~6.2-6.8 mgd
LA West Coast Basin (Water Replenishment District)	Brackish Groundwater	3.6 mgd, expanding
Soquel Creek	Wastewater	1.3 mgd
Alameda County Water District	Brackish Groundwater	12.5 mgd
City of Antioch	Brackish surface water	6 mgd
Chino Basin	Brackish Groundwater	~ 31 -36 mgd
Sweetwater Authority / Chula Vista, San Diego	Brackish Groundwater	10 mgd

LA Basin / Torrance Water Replenishment District Goldsworthy Desalter



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Would the Committee Like Further Information on Selected Examples?