

Salinity Management in Southern California: **Accomplishments and Ongoing Efforts**

The following are examples of accomplishments and efforts undertaken since the 1999 Study was published.

IMPORTED WATER SOURCE CONTROL AND SALINITY REDUCTION ACTIONS

- Ongoing support for Colorado River Salinity Control Program federal appropriations.
- Triennial Reviews of Colorado River Salinity Control Plan; met numerical objectives.
- DWR's Municipal Water Quality Investigations Program provides real-time monitoring and forecasting models of salinity in Delta and SWP.

DISTRIBUTION SYSTEM SALINITY MANAGEMENT ACTIONS

- MWD's Board adopted 1999 Salinity Management Policy to focus on long-term salinity control (e.g., 500 mg/L annual TDS goal).
- MWD infrastructure improvements (i.e., ozone retrofits, Inland Feeder, Diamond Valley Lake) will provide additional flexibility to achieve operational goals.
- SWP groundwater-banking program balances water quality and supply attributes.
- MWD considers its water quality and quantity in planning distribution system improvements, making water operational decisions, and developing its Integrated Resources Plan.

COLLABORATIVE ACTIONS WITH OTHER AGENCIES

- MWD's Local Resources Program provides financial assistance to member agencies for development of local groundwater recovery and water recycling projects, some of which remove salt from the local groundwater basins.
- Multi-State Salinity Coalition was formed in 2001 to advance the development of local/regional projects/programs associated with desalination and salinity management technologies, practices, funding, and implementation.
- Southern California Salinity Coalition (SCSC) formed in 2002; accomplishments include Salinity Management Guide, local salinity summits, brine disposal studies, water softener study, etc.
- Multiple Southern California entities are subscribers to the WaterReuse Research Foundation, an educational nonprofit that conducts applied research to advance water reuse, recycling, reclamation, and desalination.
- MWD, SCSC, and USBR executed an MOU in February 2012 to update 1999 Salinity Management Plan.

LOCAL SALINITY MANAGEMENT ACTIONS

- Development and operation of the OCWD Groundwater Replenishment System.
- Construction of SAWPA's 22-mile lateral to the Santa Ana Regional Interceptor brine line.
- Adoption of Santa Ana Region Salt Management Plan.
- Regional planning studies conducted by USBR with other Southern California stakeholder agencies.
- Legislation was enacted providing local agencies with increased authority over water softeners.
- SWRCB's Recycled Water Policy requires development of salt and nutrient management plans.
- Port Hueneme Brackish Water Reclamation Demo Facility.
- Oxnard GREAT Program (Groundwater Recovery Enhancement and Treatment).
- Chino Basin Desalination Program.
- Proposed Guidelines for Salinity/Nutrient Management Planning in the San Diego Region.
- Calleguas Regional Salinity Management Pipeline under construction.