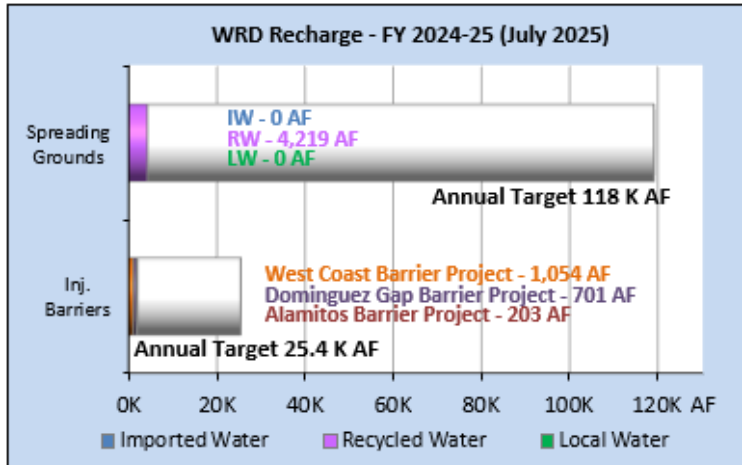
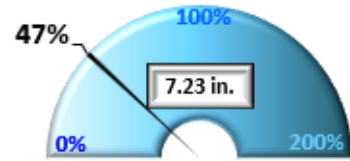


GROUNDWATER BASIN UPDATE FOR SEPTEMBER 2025

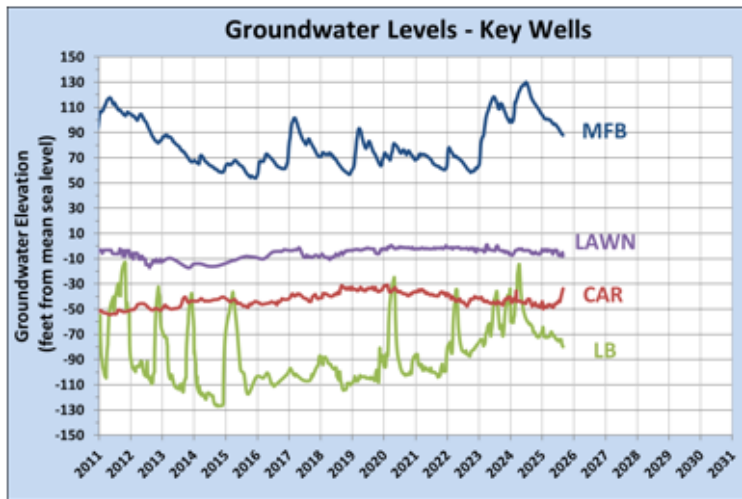
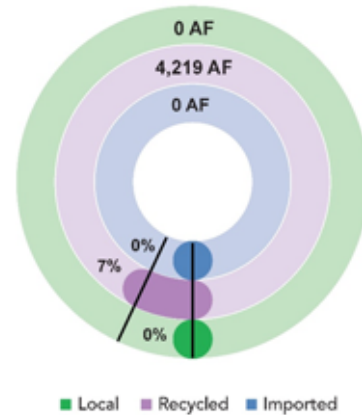
GROUNDWATER BASINS AT A GLANCE*



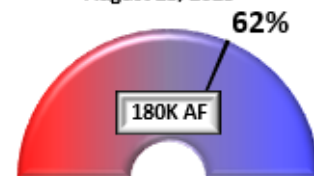
Precipitation % of Normal to Date
Oct 1, 2024 - August 31, 2025



Spreading Grounds Recharge
July 2025

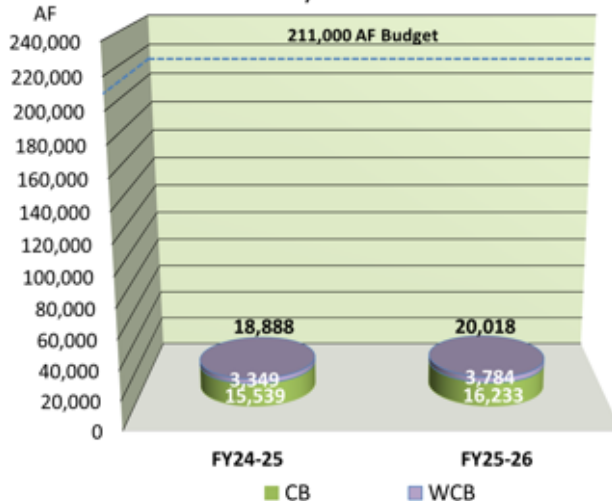


GW Basin Operating Range
August 25, 2025

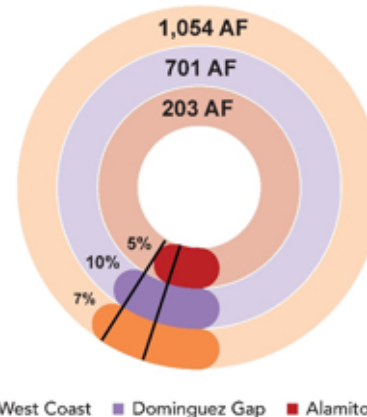


Minimum Quantity (0 AF) Optimum Quantity (288K AF)

Basin Pumping (Q)
July 2025



Seawater Barrier Recharge
July 2025



* - Preliminary numbers, subject to change.

SUMMARY

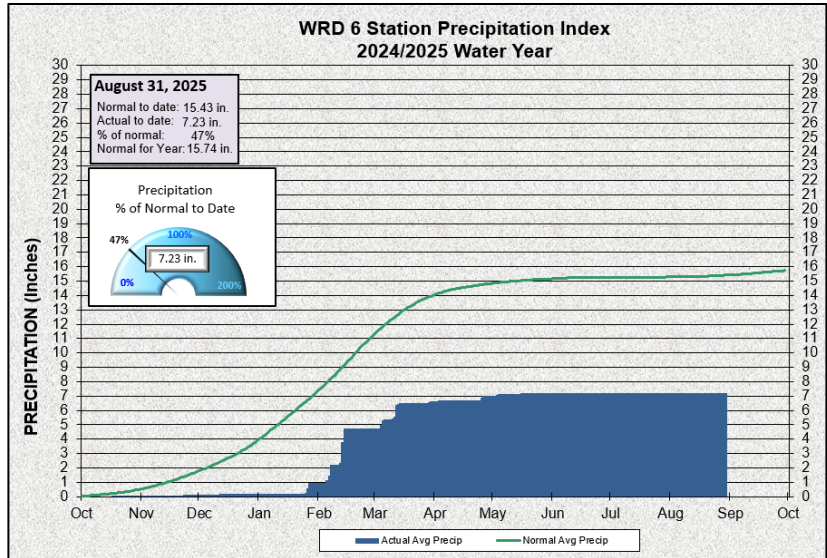
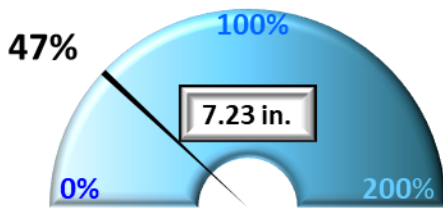
Staff monitors groundwater conditions in the District's service area throughout the year. A summary of the latest information is presented below.

Precipitation (October 1, 2024 – August 31, 2025)

The WRD 6 Station Precipitation Index reports that for the 2024-25 Water Year, there has been below average rainfall (7.23 inches) through July 31, 2025. The normal rainfall for this time period is 15.43 inches, so the District is 47% of normal.

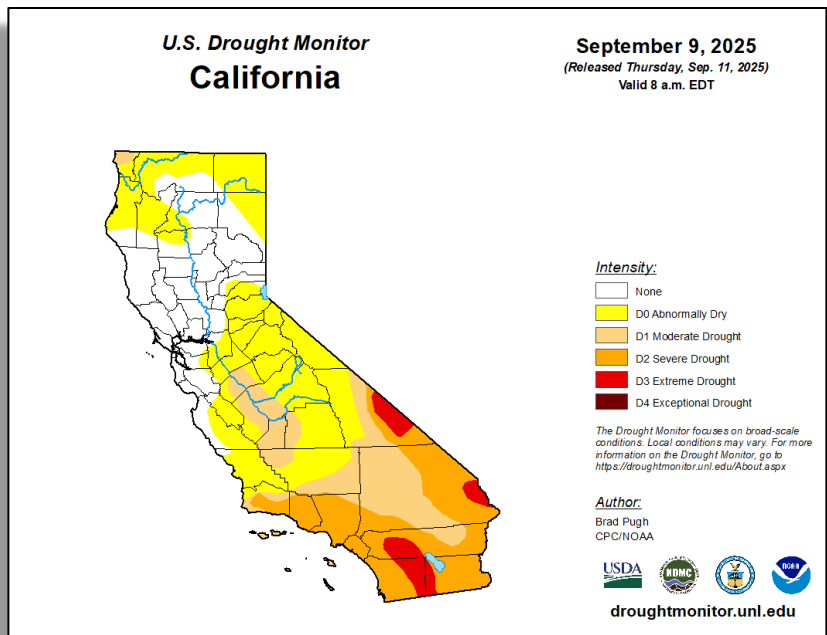
Precipitation % of Normal to Date

Oct 1, 2024 - August 31, 2025



Drought Monitor (September 9, 2025)

As of September 9, 2025, the U.S. Drought Monitor is reporting 76% of the State is abnormally dry (same), 40% under moderate (same), 23% under severe (same), 4% under extreme (down 2%), and 0% exceptional (same) drought conditions. According to the U.S. Drought Monitor, Los Angeles County is currently in a severe or moderate drought.



Select California Reservoirs (September 5, 2025)

For the 21 reservoirs reported monthly to the committee, water levels have increased in 3 of 21 reservoirs. The largest increase occurred at Lake Mead 0.17 million acre feet, MAF) and smallest increase occurred at Lake Perris (<0.01 MAF). The largest decrease (-0.50 MAF) occurred at Lake Powell. The smallest decrease (<-0.01 MAF) occurred at Lakes Camanche, Cachuma, Casitas, Silverwood, and Diamond Valley.

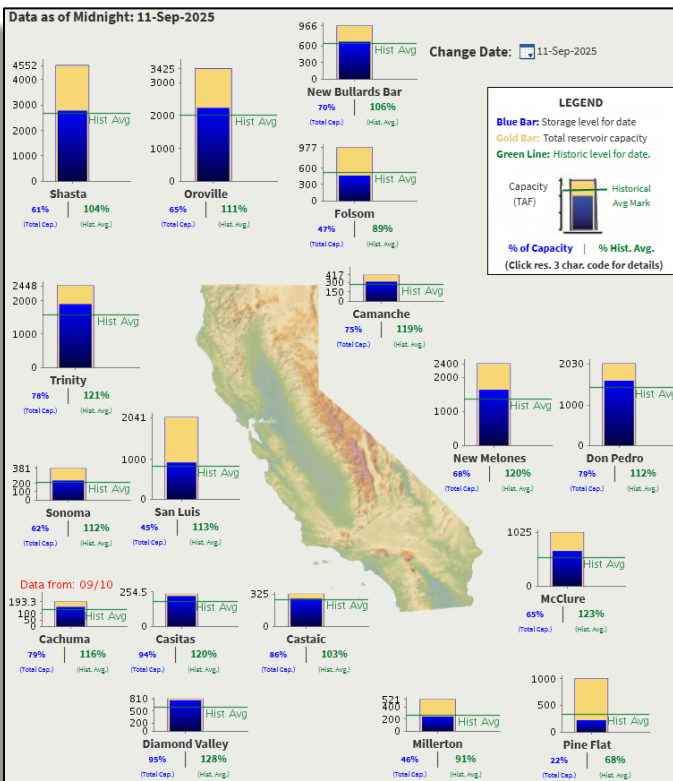
DWR Managed Reservoirs (SWP) Storage in Million Acre Feet

Reservoir	Capacity	Storage	% Full	Change
Trinity Lake (CLE)	2.45	1.93	79%	-0.11
Lake Shasta (SHA)	4.55	2.82	62%	-0.25
Lake Oroville (ORO)	3.54	2.27	66%	-0.31
New Bullards Bar (BUL)	0.97	0.69	71%	-0.07
Folsom Lake (FOL)	0.98	0.47	48%	-0.04
Camanche Lake (CMN)	0.42	0.31	75%	0.00
New Melones L. (NML)	2.40	1.64	69%	-0.05
Don Pedro Res (DNP)	2.03	1.63	80%	-0.10
Lake McClure (EXC)	1.02	0.69	67%	-0.07
Lake Sonoma (WRS)	0.38	0.24	62%	-0.01
San Luis Res (SNL)	2.04	0.88	43%	0.09
Millerton Lake (MIL)	0.52	0.24	46%	-0.05
Pine Flat Res. (PNF)	1.00	0.23	23%	-0.06
Cachuma Lake (CCH)	0.19	0.15	79%	0.00
Castaic Lake (CAS)	0.33	0.28	88%	-0.02
Casitas Lake (CSI)	0.25	0.22	94%	0.00
Perris Lake (PRR)	0.13	0.12	92%	0.00
L. Silverwood (SLW)	0.08	0.07	92%	0.00

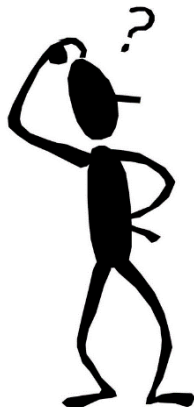
USBR and MWD Reservoirs (CRA) Storage in Million Acre Feet

Reservoir	Capacity	Storage	% Full	Change
Lake Powell	23.31	6.92	30%	-0.50
Lake Mead	26.12	8.15	31%	0.17
Diamond Valley L (DVL)	0.81	0.77	95%	0.00

Black Text - Decrease or no change in storage since the last report.
Green Text - Increase in storage since the last report.



These 21 reservoirs are at 42% capacity (30.73 MAF) which is down 1.4 MAF (-1.9%) from the prior month (-1.06 MAF State Water Project [SWP] and -0.33 MAF Colorado River Aqueduct [CRA]).

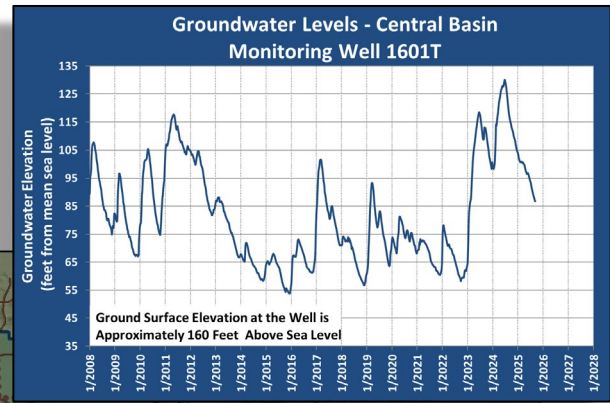
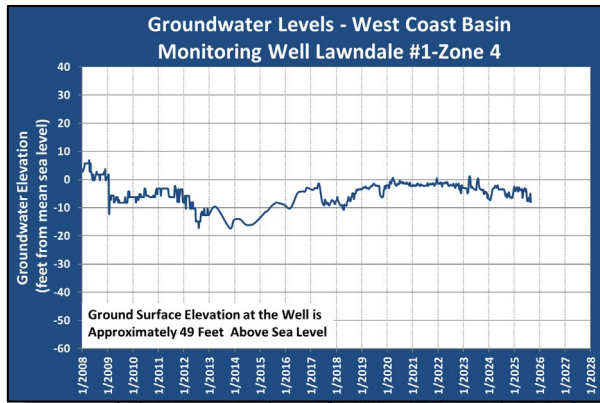


Did you know?

At any given moment, groundwater is 20 to 30 times greater than the amount in all the lakes, streams, and rivers of the United States.

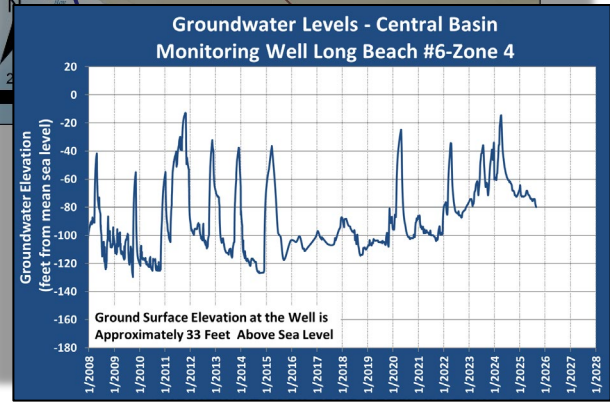
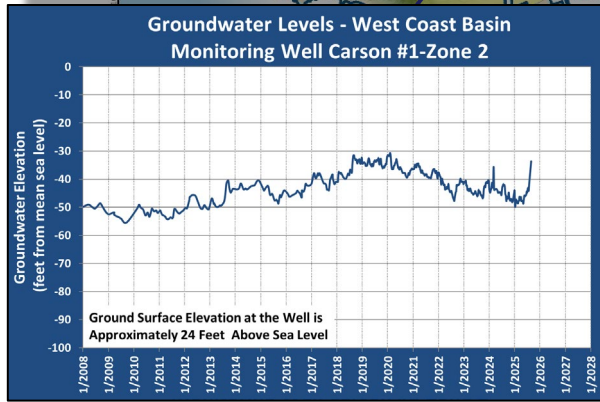
Groundwater Levels (August 28, 2025)

Groundwater levels in key monitoring wells are shown in the hydrographs below.



Central Basin Key Well Long Beach #6 and West Coast Basin Key Wells Lawndale #1 & Carson #1 are in a confined aquifer and do not respond readily to rainfall but instead to changes in pumping patterns and barrier recharge.

Central Basin Key Well 1601T is between the two spreading grounds and rises rapidly with rainfall and replenishment but falls sharply during dry spells and lack of replenishment.



Groundwater Level Changes in Key Wells

Well Name	Since Last Report	Since Same Time the Previous Year
Central Basin Key Well 1601T	Decreased 2.6 feet	Decreased 29.6 feet
Central Basin Key Well Long Beach #6 4	Decreased 5.6 feet	Decreased 16.7 feet
West Coast Basin Key Well Lawndale #1 4	Decreased 1.5 feet	Decreased 2.1 feet
West Coast Basin Key Well Carson #1 2	Increased 8.2 feet	Increased 12.1 feet

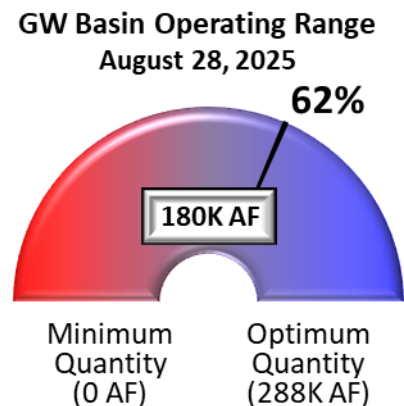
Bold indicates a change in direction (decreasing or increasing) since the last report.

Optimum and Minimum Groundwater Quantity (August 28, 2025)

The Board of Directors adopted an Optimum and Minimum Quantity for groundwater in the District to define an appropriate operating range that would sustain adjudicated pumping rights, leave room for future storage projects, and identify a lower limit. The amounts are based on the accumulated overdraft concept, which the District tracks year by year based on changes in groundwater storage.

After an extensive review of over 70 years of water level fluctuations and discussions with the Board and pumping community, Water Year 1999/2000 was recognized as a representative year for the Optimum Quantity, which equated to an accumulated overdraft of approximately 612,000 acre feet. The Minimum Quantity was defined as an accumulated overdraft of 900,000 acre feet, which allowed an operating range from 0 acre feet (minimum) to 288,000 acre feet (optimum). The Board also adopted a policy to make up the groundwater deficit should the accumulated overdraft fall too far below the Optimum Quantity.

The Accumulated Overdraft as of August 28, 2025, has been estimated at 720,363 acre feet (subject to change), which is 179,637 acre feet above the Minimum Quantity and 108,363 acre feet below Optimum Quantity. The Basin is at 62% of Optimum Quantity which is lower than what was reported last month (~10K AF lower).



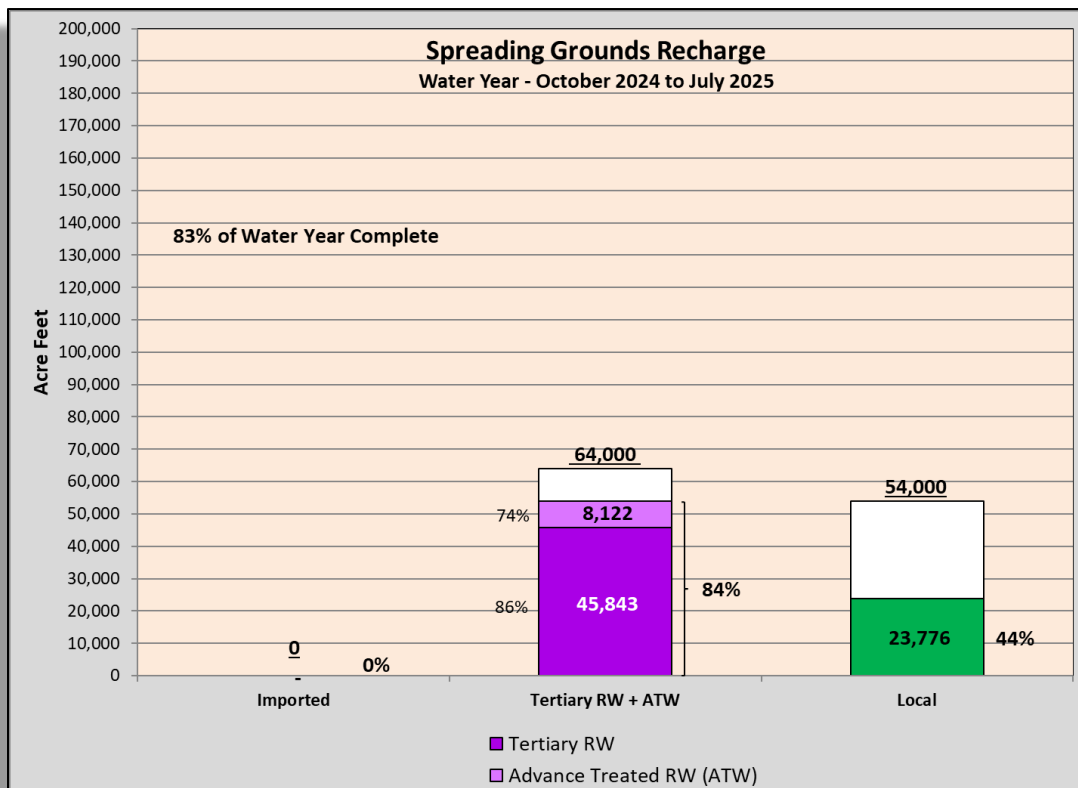
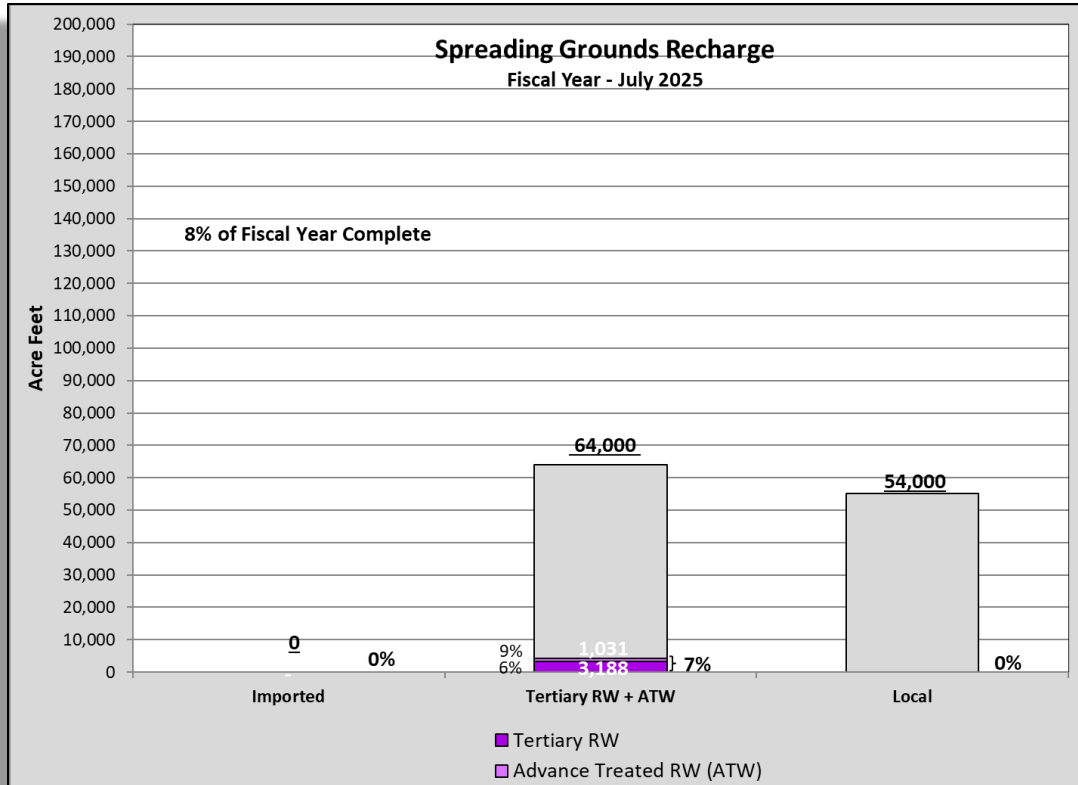
Why is the Sky Blue? FACT:

The sky is blue because of the refraction of sunlight - called Rayleigh scattering - where the Earth's atmosphere scatters sunlight in all directions. Because blue light has shorter wavelengths, it is scattered more effectively than longer wavelengths, such as red light. This scattered blue light then fills the sky, making it appear blue to our eyes.



Montebello Forebay Spreading Grounds (July 2025)

The following Charts show the preliminary spreading grounds replenishment water for the current Fiscal Year (2024-25; 1 month) and Water Year (2024-25; 10 months):

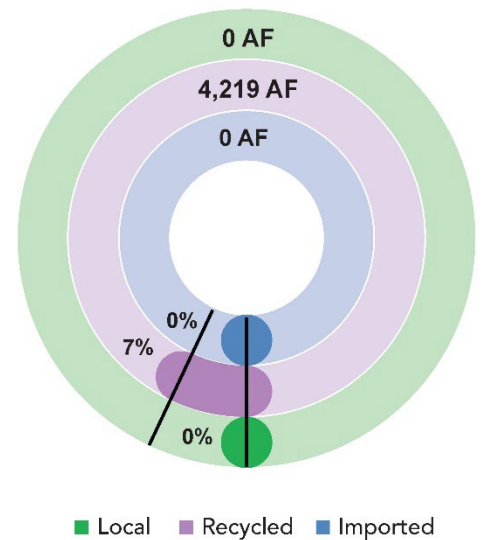


No imported water purchases were planned for Fiscal Year 2025-26.

Local water (stormwater plus dry weather urban runoff) is captured by the Los Angeles County Department of Public Works (LACPW) at the spreading grounds for recharge. Local water amounts are determined as the sum of the total water conserved at the spreading grounds less the imported and recycled water deliveries. For the 2025-26 Fiscal Year, zero (0) acre feet of local water capture have been reported by the LACPW.

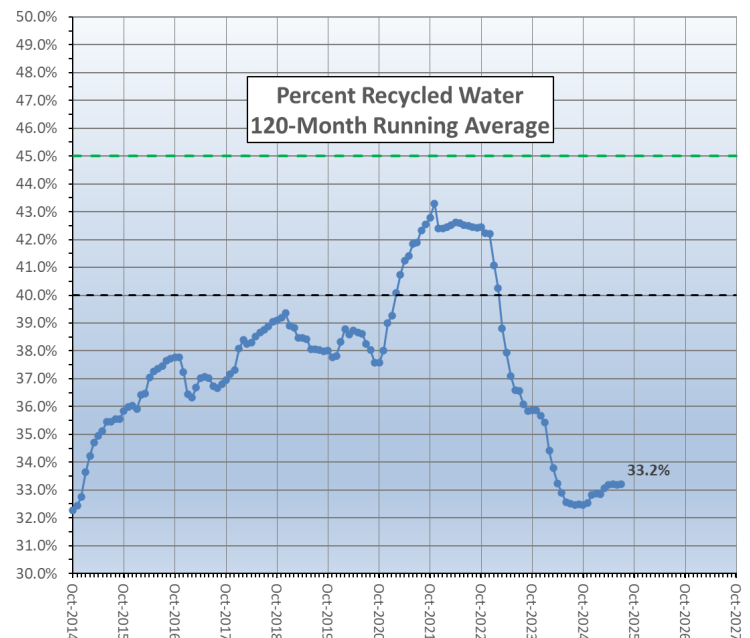
Preliminary numbers for the 2025-26 Fiscal Year show that approximately 4,219 acre feet of recycled water has been recharged with 1,031 acre feet consisting of advanced treated water from the ARC AWTF and 3,188 acre feet of tertiary recycled water. Presuming the advanced treated water as “Null Water”, the 120-month running average of the recycled water contribution in the Montebello Forebay is 33.2% and the regulatory maximum is 45%, with additional monitoring being required once 40% is reached.

Spreading Grounds Recharge
July 2025



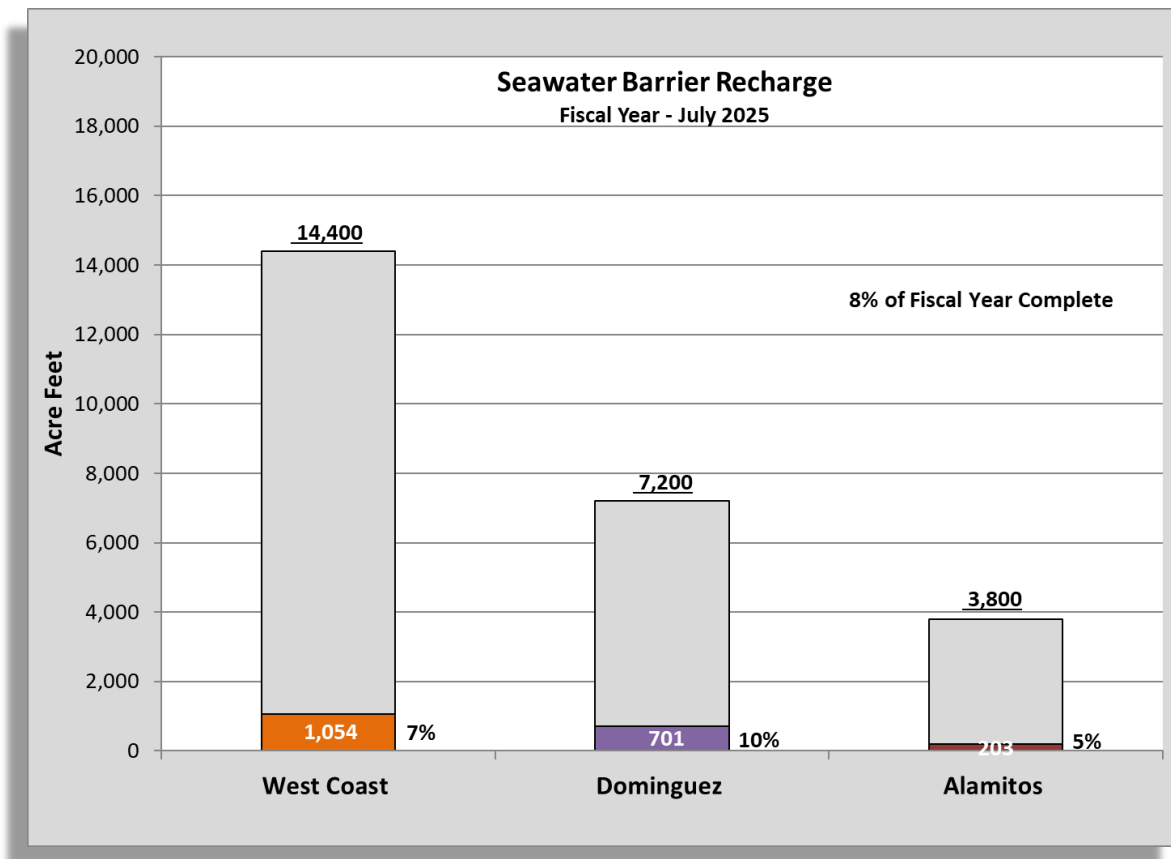
Tertiary Recycle Water Permit Update

The permit is continuing to progress with LACSD and WRD staff working to update pertinent sections of the new Title 22 Engineering Report. Due to the persistent drought conditions over the past few decades and associated emergency drought proclamation by Governor Newsom, LACSD and WRD submitted a request to modify the recycled water contribution percentage to 50% and the advanced treated water classification to diluent in a letter to the LARWQCB and CA-DDW dated July 8, 2022. LACSD and WRD staff are targeting 2025 to have the new Title 22 Engineering Report submitted, including the requests to increase the recycled water contribution percentage to 50% and reclassify the advanced treated water as diluent.

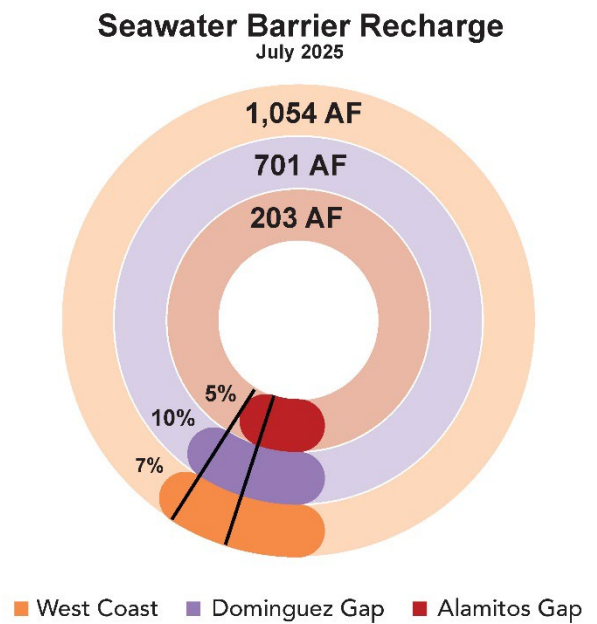


Seawater Barrier Well Injection and Replenishment (July 2025)

The following Chart shows the barrier water injection:

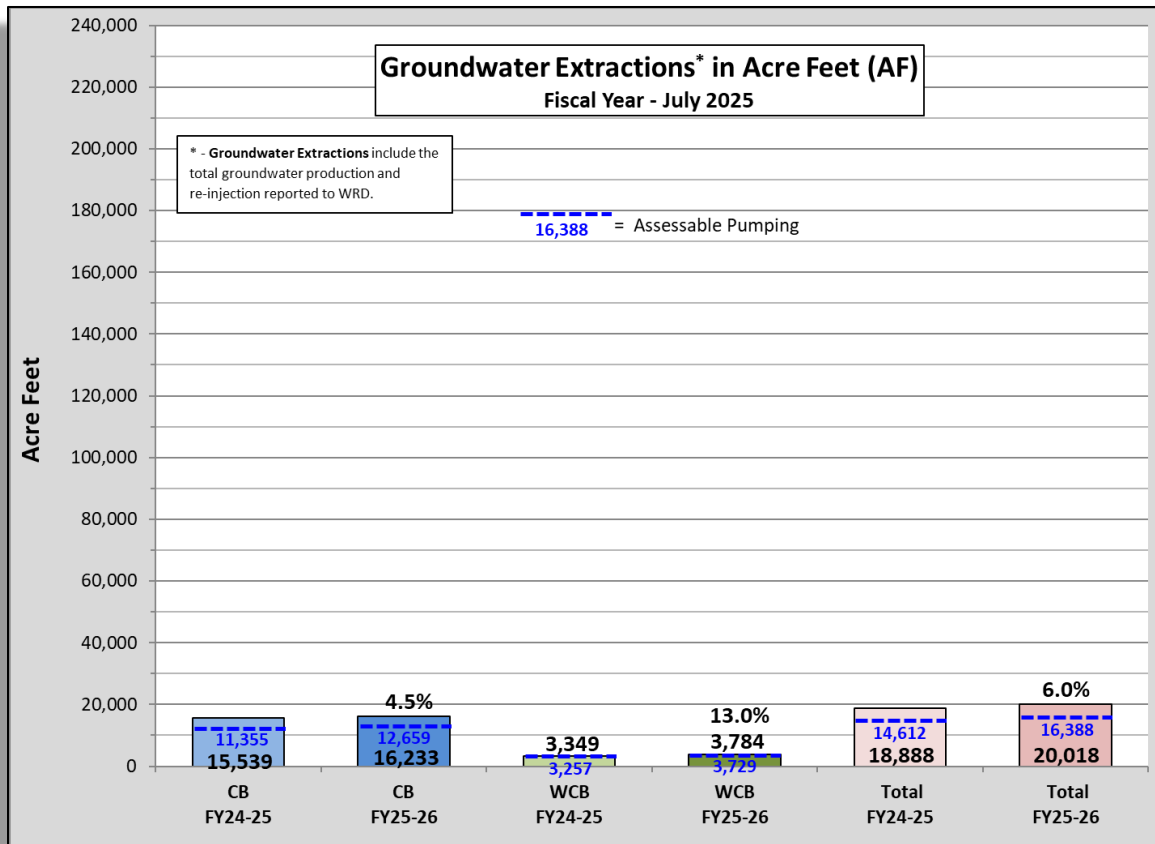


Preliminary numbers for the 202-2 Fiscal Year show that the West Coast Barrier has used 1,054 acre feet of the total 14,400 acre feet planned for injection, 7% of total for the Fiscal Year. The Dominguez Gap Barrier used 701 acre feet of the total 7,200 acre feet planned for injection, 10% of the total for the Fiscal Year. The Alamitos Gap Barrier, on the WRD side, used 203 acre feet of the total 3,800 acre feet planned for injection, 5% of the total for the Fiscal Year. Advanced Treated Recycled Water (ATW) usage at the three barriers for the Fiscal Year to date is 52% at the West Coast Barrier (-3%), 65% at the Dominguez Gap Barrier (-3%), and 0% Alamitos Gap Barrier. The combined ATW usage at all three barriers is 51% (-8%).



Total Pumping (Fiscal Year 2025-26, July 2025)

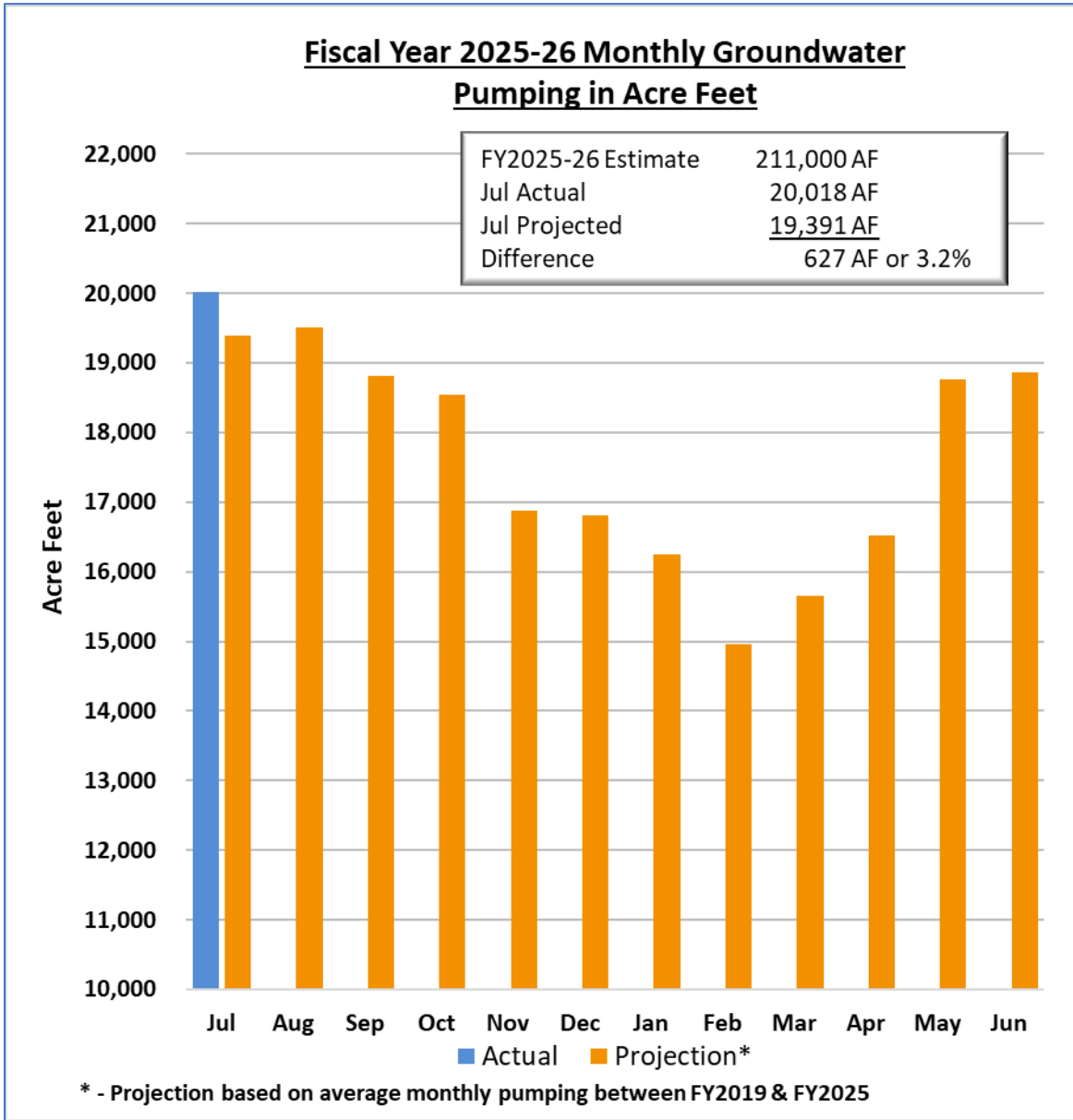
Preliminary numbers for groundwater production in the District for the Fiscal Year 2025-26 (July) indicate total pumping in the Central Basin was up 695 acre feet from the same time of the previous fiscal year (+4.5%) and the West Coast Basin total pumping was 435 acre feet higher than the previous fiscal year (+13.0%). The total pumping is 20,018 acre feet compared to 18,888 acre feet during the same time the previous year for an increase of 1,130 acre feet, or +6.0%. The current pumping data does not include three (3) Central Basin pumpers and one (1) West Coast Basin pumper, who have not yet reported, for an estimated 5 additional acre feet.



Interesting...

Even though groundwater and surface water are connected, groundwater is tapped through wells placed in water-bearing soils and rocks beneath the surface of the earth.

Preliminary numbers indicate 20,018 acre feet of groundwater have been pumped this fiscal year and is 3.2% above the projected fiscal year to date goal of 19,391 acre feet (or 627 acre feet). Monthly actual production versus the 7-year average monthly production projections (FY 2019 through 2025) are included in the chart below.



"Still waters run deep. Shallow waters run dry frequently."

- Thomas County Cat, June 5, 1890, Pg 3.



For the Fiscal Year 2025-26 (July 2025), staff has tracked the production trends of the top five (5) producing pumpers and the bottom five (5) producing pumpers in each basin. These pumpers are identified in the following tables and are based on the change in volume (in acre feet) compared to the same time period for the previous Fiscal Year. Production data for all the pumpers can be found in the attached Exhibit A (Central Basin) and Exhibit B (West Coast Basin).

Production Trends - Central Basin				
Top 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Liberty Utilities - CB	413.42	711.17	297.75	72.02
Cal. Water Service Co. (East LA)	1,013.56	1,168.93	155.37	15.33
Whittier, City	492.41	593.82	101.41	20.59
Cerritos, City	727.33	806.28	78.95	10.85
Long Beach, City - CB	2,778.35	2,851.13	72.78	2.62
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Suburban Water Systems	257.62	175.25	-82.37	-31.97
Maywood Mutual No. 1	58.38	0.17	-58.21	-99.71
Golden State Water Co. - CB	1,565.91	1,524.92	-40.99	-2.62
Bellflower-Somerset MWC	480.31	450.92	-29.39	-6.12
Lakewood - City	657.39	642.11	-15.28	-2.32

Production Trends – West Coast Basin				
Top 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Cal. Water Service Co. Dominguez - WB	418.67	562.62	143.95	34.38
Cal. Water Service Co./Hawthorne Lease	0.40	118.84	118.44	29,610
Golden State Water Co. - WB	865.52	979.67	114.15	13.19
Cal. Water Service Co. Alpha 7050	80.26	149.76	69.50	86.59
Torrance, City	441.39	471.65	30.26	6.86
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Rolling Hills Country Club	64.00	38.00	-26.00	-40.63
Tesoro Refining	644.15	618.47	-25.68	-3.99
Torrance Refining	94.71	75.96	-18.75	-19.80
Phillips 66 Co. - Alpha 7093	444.42	432.11	-12.31	-2.77
Shell Oil (Wilmington)	0.00	0.00	.00	0.00

Water Replenishment District (WRD) publishes the Groundwater Basin Update (GWBU) monthly. All information contained herein is preliminary and is meant to be a snapshot of the status of the basins at the time of publication and should not constitute an official WRD report. All the information presented in the GWBU utilizes the best available data at the time of publication. Data provided herein is a compilation of WRD data and publicly available information from several of our partners including, but not limited to, the Los Angeles County Department of Public Works - Stormwater Engineering Division, Metropolitan Water District of Southern California, California Department of Water Resources, US Bureau of Reclamation, University of Nebraska - Lincoln, and the US Department of Agriculture - Natural Resources Conservation Service. The GWBU is prepared by Senior Hydrogeologist, Everett Ferguson, who can be contacted directly with questions at eferguson@wrd.org.

Central Basin Production Trends

Central Basin	July 2024 - July 2024	July 2025 - July 2025	Difference	%Change
ABC USD	0.11	5.72	5.61	5,100.00
American Text. M.	5.76	7.40	1.64	28.47
Artesia, City	0.30	0.30	.00	0.00
Atlas Iron and Metal Co.	0.00	0.00	.00	0.00
Bell Gardens, City	0.00	0.00	.00	0.00
Bellflower Home Garden	0.00	0.00	.00	0.00
Bellflower-Somerset MWC	480.31	450.92	-29.39	-6.12
Boeing Co.	0.00	0.00	.00	0.00
Boeing, Compton Site	0.00	0.00	.00	0.00
Cal. American Water Co. Alpha 0679	147.31	180.76	33.45	22.71
Cal. Water Service Co. (East LA)	1,013.56	1,168.93	155.37	15.33
Cal. Water Service Co. Dominguez - CB	86.15	110.70	24.55	28.50
Caltrans	0.46	2.22	1.76	382.61
Cerritos, City	727.33	806.28	78.95	10.85
Coast Packing Co.	11.38	11.43	.05	0.44
Commerce, City	154.22	139.52	-14.70	-9.53
Compton, City	640.61	655.62	15.01	2.34
Darling-Delaware Co.	0.00	0.00	.00	0.00
Defense Logistic Agency	0.00	0.00	.00	0.00
Demunno Kerdoon	0.00	0.00	.00	0.00
Downey, City	1,276.94	1,305.18	28.24	2.21
El Rancho Unified School District	0.00	0.00	.00	0.00
Golden State Water Co. - CB	1,565.91	1,524.92	-40.99	-2.62
HMB Bandini, LLC	0.04	0.01	-.03	-75.00
Huntington Park, City - Alpha 2378	243.59	263.74	20.15	8.27

Central Basin	July 2024 - July 2024	July 2025 - July 2025	Difference	%Change
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	25.21	21.34	-3.87	-15.35
La Habra Heights County WD	279.92	279.42	-.50	-0.18
Lakewood - City	657.39	642.11	-15.28	-2.32
Liberty Utilities - CB	413.42	711.17	297.75	72.02
Little Lake Cemetery District	0.00	0.00	.00	0.00
Long Beach, City - CB	2,778.35	2,851.13	72.78	2.62
Los Angeles, City - CB	1.87	1.09	-.78	-41.71
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	2.65	3.99	1.34	50.57
Lynwood, City	438.07	453.80	15.73	3.59
Maywood Mutual No. 1	58.38	0.17	-58.21	-99.71
Maywood Mutual No. 2	83.17	92.18	9.01	10.83
Maywood Mutual No. 3	138.57	129.31	-9.26	-6.68
Montebello Land and Water Co.	276.91	275.63	-1.28	-0.46
Newark Group, Inc.	12.12	3.70	-8.42	-69.47
Norwalk, City	36.69	38.08	1.39	3.79
Omega OU1/OU3 LLC	0.00	0.00	.00	0.00
Orchard Dale Water District	187.06	204.67	17.61	9.41
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	1.03	1.32	.29	28.16
Paramount USD	0.16	1.02	.86	537.50
Paramount, City	239.19	244.10	4.91	2.05
Pico Rivera, City	412.28	405.76	-6.52	-1.58
Pico Water District	250.57	260.42	9.85	3.93
Rockview Dairies	14.42	13.15	-1.27	-8.81
Roman Catholic Archbishop - CB	32.44	41.62	9.18	28.30
Rowland Water District	0.00	0.00	.00	0.00

Central Basin	July 2024 - July 2024	July 2025 - July 2025	Difference	%Change
San Gabriel Valley Water Co.	295.76	308.95	13.19	4.46
Santa Fe Springs, City	102.02	133.88	31.86	31.23
Scantlebury, Robert P.	0.00	0.00	.00	0.00
Signal Hill, City	81.90	101.53	19.63	23.97
South Gate, City	746.46	747.17	.71	0.10
South Montebello Irrigation Dist	156.97	164.86	7.89	5.03
Southern California Edison Co. - CB	0.00	0.00	.00	0.00
St. John Bosco School	4.10	0.00	-4.10	-100.00
Suburban Water Systems	257.62	175.25	-82.37	-31.97
Tract 180 Water Co.	108.99	109.97	.98	0.90
Tract 349 Mutual Water Co.	58.43	54.70	-3.73	-6.38
Vernon, City	401.15	386.06	-15.09	-3.76
Virginia Country Club	39.91	51.33	11.42	28.61
Walnut Park Mutual	96.36	92.75	-3.61	-3.75
Whittier Union HSD	2.64	4.14	1.50	56.82
Whittier, City	492.41	593.82	101.41	20.59
WRD	0.00	0.00	.00	0.00
Yamamoto, Alice	0.00	0.00	.00	0.00

West Coast Basin Production Trends

West Basin	July 2024 - July 2024	July 2025 - July 2025	Difference	%Change
ABC Nursery	1.34	2.00	.66	49.25
Boeing-WB	0.00	0.00	.00	0.00
Cal. Water Service Co. Alpha 7050	80.26	149.76	69.50	86.59
Cal. Water Service Co. Dominguez - WB	418.67	562.62	143.95	34.38
Cal. Water Service Co./Hawthorne Lease	0.40	118.84	118.44	29,610.00
CEMEX, Inc.	0.00	0.00	.00	0.00
Eco Services Operations	13.78	15.09	1.31	9.51
Golden State Water Co. - WB	865.52	979.67	114.15	13.19
Hillside Memorial Park	17.06	17.28	.22	1.29
Honeywell International	0.00	0.00	.00	0.00
Honeywell International (NCWUP)	0.00	0.00	.00	0.00
Inglewood, City	132.84	155.07	22.23	16.73
Kinder Morgan Liquids Terminals	3.84	4.48	.64	16.67
L.A. County Department of Parks	30.74	51.19	20.45	66.53
L.A. County Sanitation Districts-JWPCP	0.00	0.00	.00	0.00
Lockheed Martin Corp.	0.00	0.00	.00	0.00
Lomita, City	0.00	1.94	1.94	0.00
Long Beach, City - WB	0.00	0.00	.00	0.00
Manhattan Beach, City	11.99	40.31	28.32	236.20
Montrose Chemical Corp.	0.00	0.00	.00	0.00
Myron Z. Chalavin	0.00	0.00	.00	0.00
Phillips 66 Co. - Alpha 7093	444.42	432.11	-12.31	-2.77
Rolling Hills Country Club	64.00	38.00	-26.00	-40.63
Roman Catholic Archbishop - WB	26.85	37.98	11.13	41.45
SCI Funeral Services	6.49	8.83	2.34	36.06

West Basin	July 2024 - July 2024	July 2025 - July 2025	Difference	%Change
Shell Oil (Wilmington)	0.00	0.00	.00	0.00
Shell Oil Co NCWUP	0.00	0.00	.00	0.00
Southern California Edison Co. - WB	2.13	3.12	.99	46.48
Tesoro Refining	644.15	618.47	-25.68	-3.99
Torrance Refining	94.71	75.96	-18.75	-19.80
Torrance, City	441.39	471.65	30.26	6.86
West Basin Brewer Desalter	0.00	0.00	.00	0.00