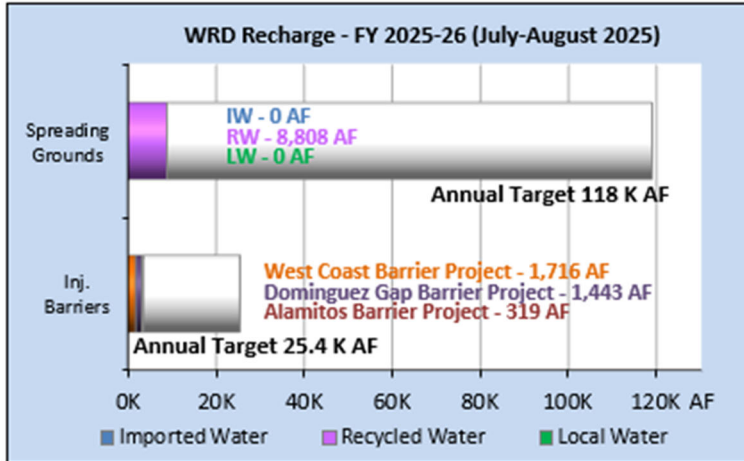
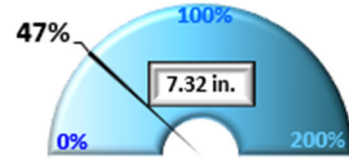


GROUNDWATER BASIN UPDATE FOR OCTOBER 2025

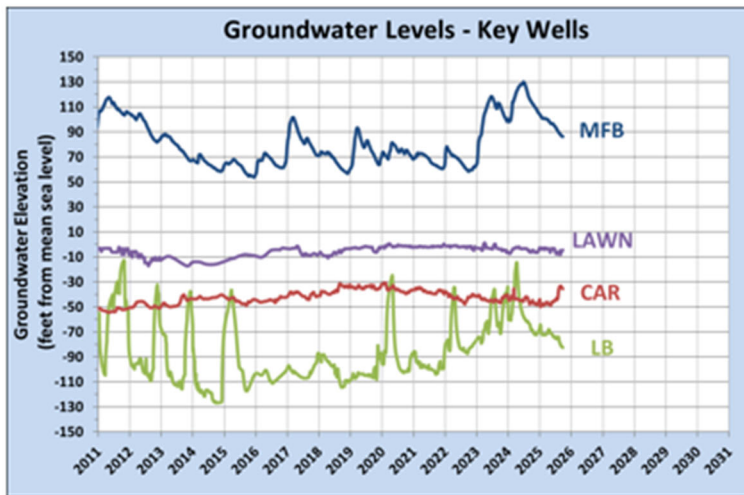
GROUNDWATER BASINS AT A GLANCE*



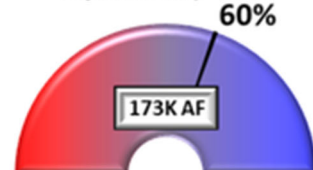
Precipitation % of Normal to Date
Oct 1, 2024 - Sep 30, 2025



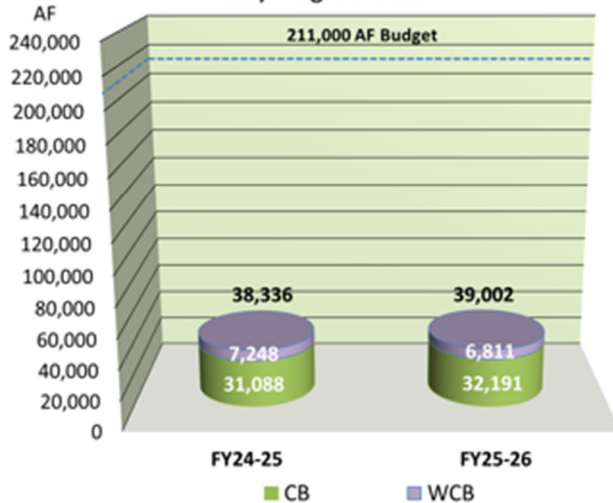
Spreading Grounds Recharge
Jul-Aug 2025



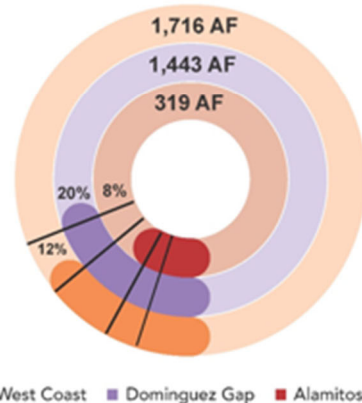
GW Basin Operating Range
September 25, 2025



Basin Pumping (Q)
July-August 2025



Seawater Barrier Recharge
Jul-Aug 2025



* - Preliminary numbers, subject to change.

SUMMARY

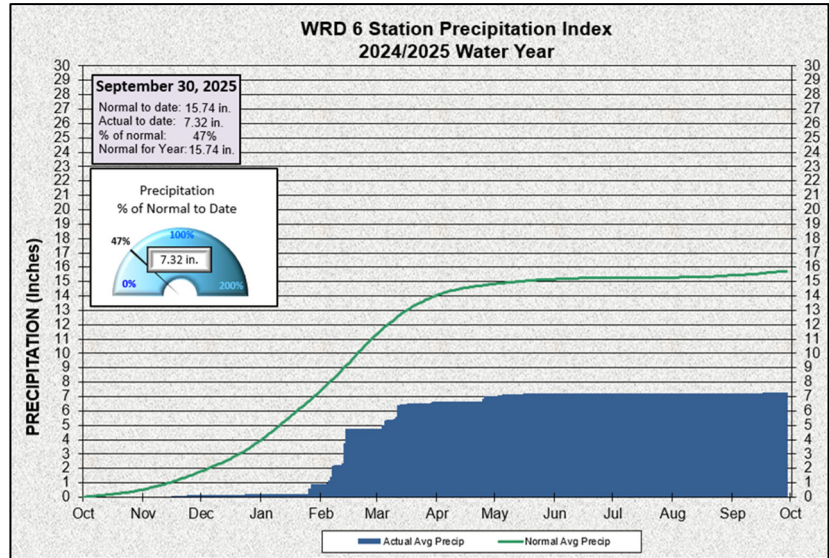
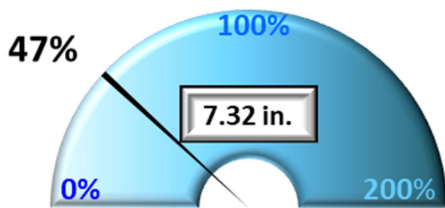
Staff monitors groundwater conditions in the District's service area throughout the year. A summary of the latest information is presented below.

Precipitation (October 1, 2024 – September 30, 2025)

The WRD 6 Station Precipitation Index reports that for the 2024-25 Water Year, there has been below average rainfall (7.32 inches) through September 30, 2025. The normal rainfall for this time period is 15.74 inches, so the District is 47% of normal.

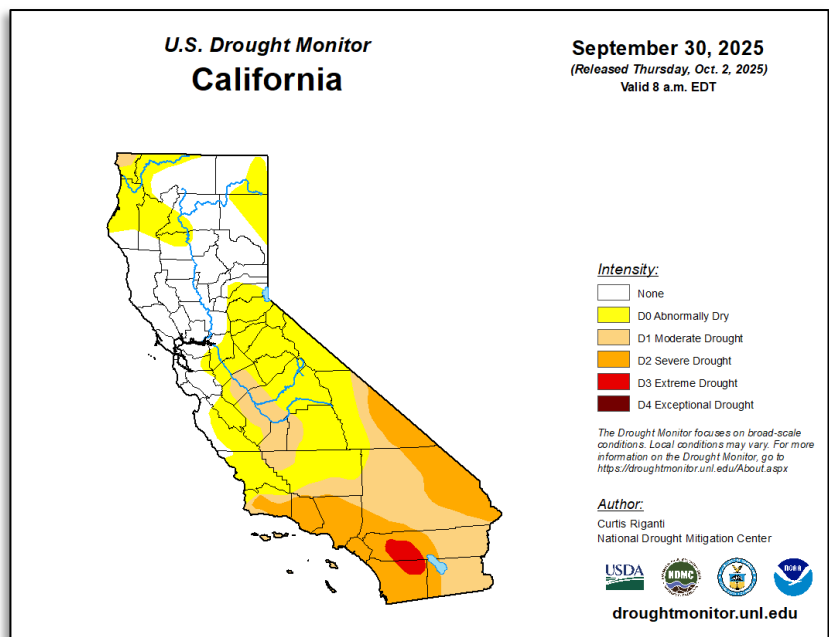
Precipitation % of Normal to Date

Oct 1, 2024 - Sep 30, 2025



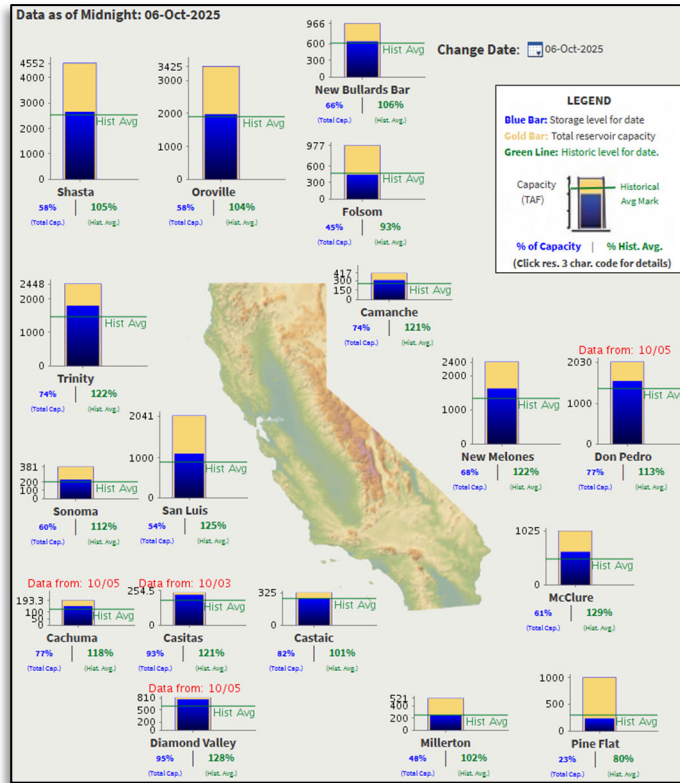
Drought Monitor (September 30, 2025)

As of September 30, 2025, the U.S. Drought Monitor is reporting 73% of the State is abnormally dry (down 3 %), 39% under moderate (down 1%), 19% under severe (down 4%), 1% under extreme (down 3%), 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 (October 6, 2025)

For the 21 reservoirs reported monthly to the committee, water levels have increased in 5 of 21 reservoirs. The largest increase occurred at San Luis Reservoir 0.21 million acre feet, MAF) and smallest increase occurred at Pine Flat Reservoir and Lake Perris (<0.01 MAF). The largest decrease (-0.24 MAF) occurred at Lake Oroville. 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	1.81	74%	-0.11
Lake Shasta (SHA)	4.55	2.67	59%	-0.14
Lake Oroville (ORO)	3.54	2.03	59%	-0.24
New Bullards Bar (BUL)	0.97	0.65	67%	-0.04
Folsom Lake (FOL)	0.98	0.44	45%	-0.03
Camanche Lake (CMN)	0.42	0.31	74%	0.00
New Melones L. (NML)	2.40	1.62	68%	-0.02
Don Pedro Res (DNP)	2.03	1.56	77%	-0.06
Lake McClure (EXC)	1.02	0.63	62%	-0.05
Lake Sonoma (WRS)	0.38	0.23	60%	-0.01
San Luis Res (SNL)	2.04	1.09	53%	0.21
Millerton Lake (MIL)	0.52	0.25	48%	0.01
Pine Flat Res. (PNF)	1.00	0.23	23%	0.00
Cachuma Lake (CCH)	0.19	0.15	78%	0.00
Castaic Lake (CAS)	0.33	0.26	82%	-0.02
Casitas Lake (CSI)	0.25	0.22	93%	0.00
Perris Lake (PRR)	0.13	0.12	94%	0.00
L. Silverwood (SLW)	0.08	0.07	91%	0.00

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

Reservoir	Capacity	Storage	% Full	Change
Lake Powell	23.31	6.76	29%	-0.16
Lake Mead	26.12	8.20	31%	0.05
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.

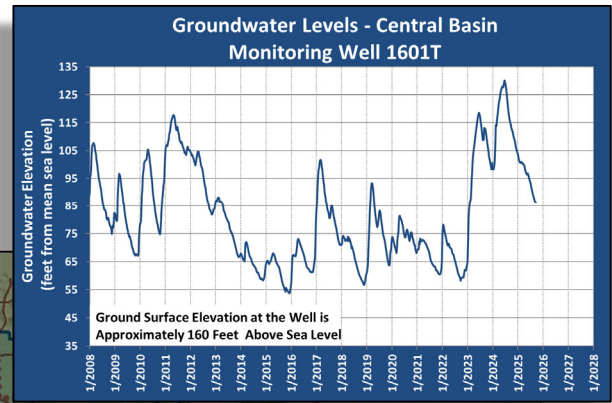
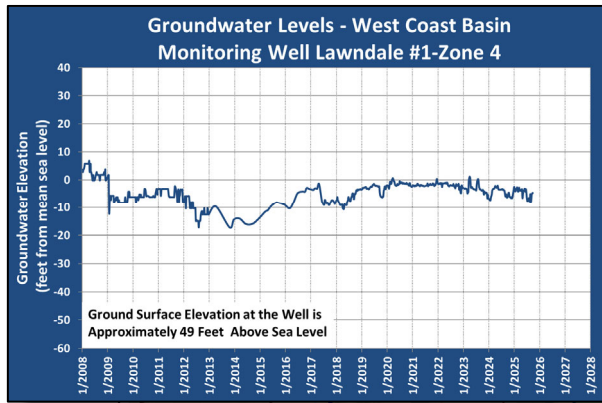
These 21 reservoirs are at 41% capacity (30.09 MAF) which is down 0.63 MAF (-0.9%) from the prior month (-0.52 MAF State Water Project [SWP] and -0.11 MAF Colorado River Aqueduct [CRA]).



Did you know?
About a quarter of all U.S. rainfall becomes groundwater.

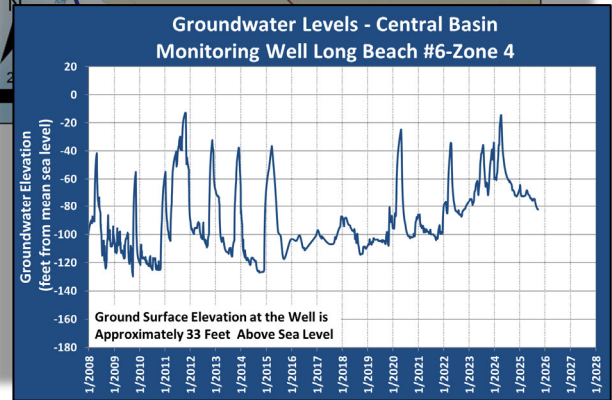
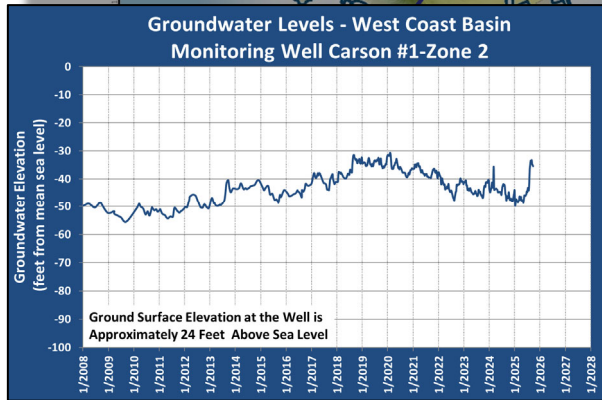
Groundwater Levels (September 25, 2025)

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 1.6 feet	Decreased 27.8 feet
Central Basin Key Well Long Beach #6 4	Decreased 2.6 feet	Decreased 14.6 feet
West Coast Basin Key Well Lawndale #1 4	Increased 3.4 feet	Increased 1.6 feet
West Coast Basin Key Well Carson #1 2	Decreased 1.6 feet	Increased 11.5 feet

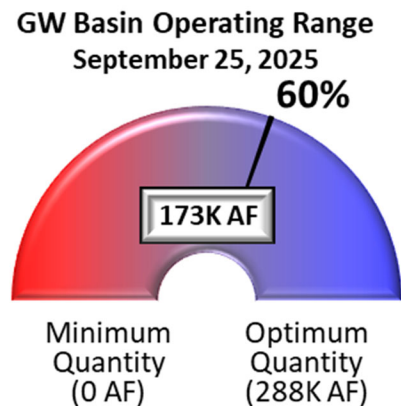
Bold indicates a change in direction (decreasing or increasing) since the last report.

Optimum and Minimum Groundwater Quantity (September 25, 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 September 25, 2025, has been estimated at 726,685 acre feet (subject to change), which is 173,315 acre feet above the Minimum Quantity and 114,685 acre feet below Optimum Quantity. The Basin is at 60% of Optimum Quantity which is 2% lower than what was reported last month (~7K AF lower).



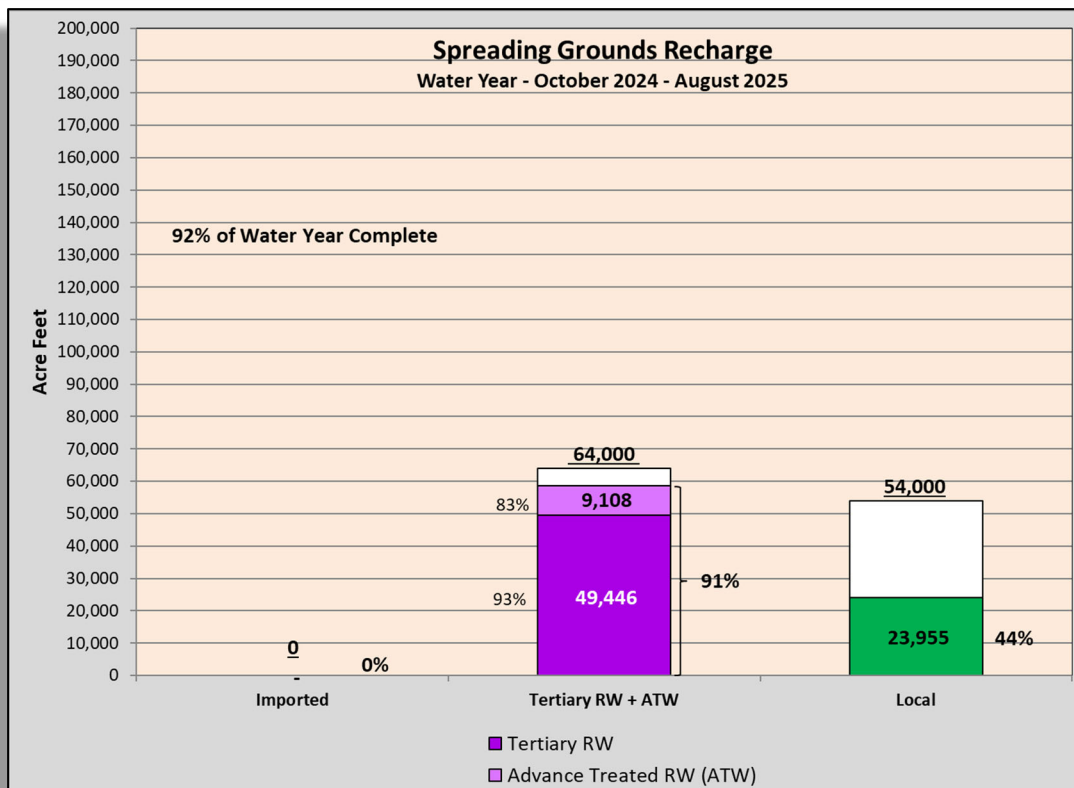
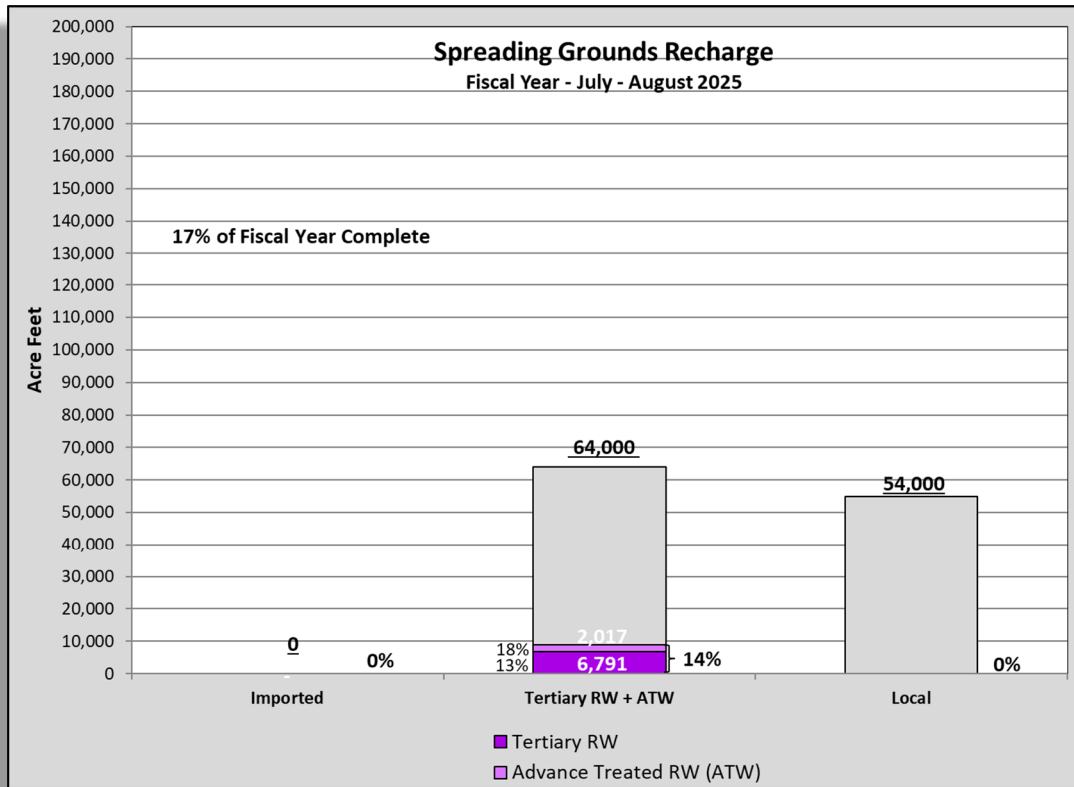
FACT:

In most parts of the country, water removed from the ground is constantly replaced, although in some parts of the country such as arid and semi-arid regions, a low rate of replenishment is far exceeded by the rate of groundwater pumping, resulting in serious problems of groundwater mining.



Montebello Forebay Spreading Grounds (July-August 2025)

The following Charts show the preliminary spreading grounds replenishment water for the current Fiscal Year (2025-26; 2 months) and Water Year (2024-25; 11 months):

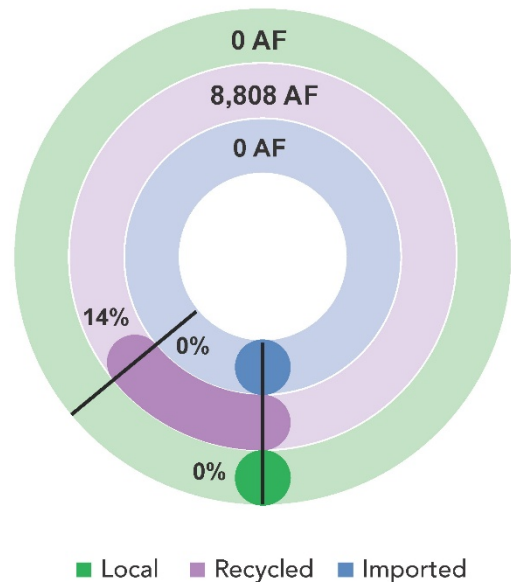


No imported water purchases were planned for Fiscal Year 2025-26.

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.

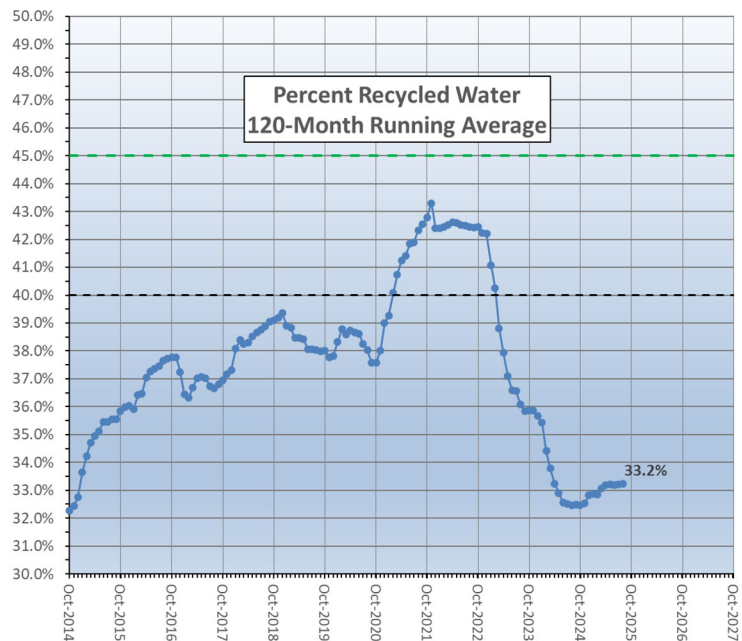
Preliminary numbers for the 2025-26 Fiscal Year show that approximately 8,808 acre feet of recycled water has been recharged with 2,017 acre feet consisting of advanced treated water from the ARC AWTF and 6,791 acre feet of tertiary recycled water. Presuming the advanced treated water as “Null Water”, 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
Jul-Aug 2025



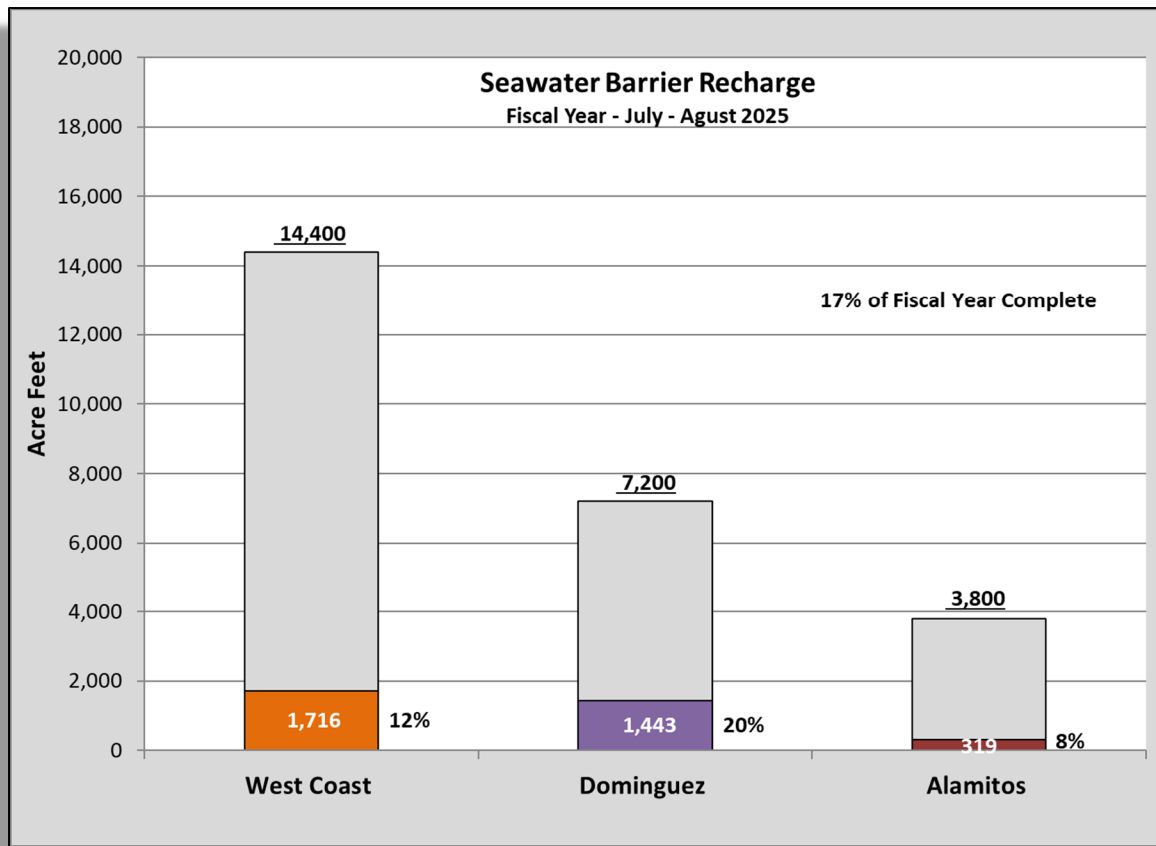
Tertiary Recycle Water Permit Update

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.

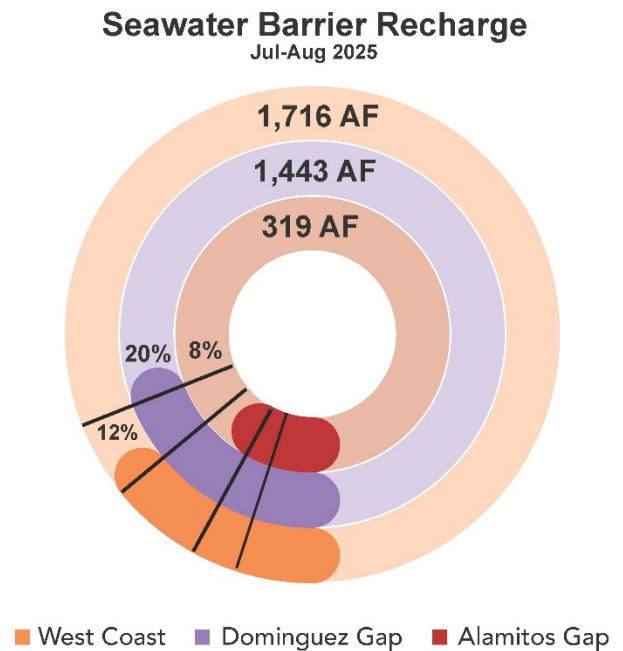


Seawater Barrier Well Injection and Replenishment (July-August 2025)

The following Chart shows the barrier water injection:

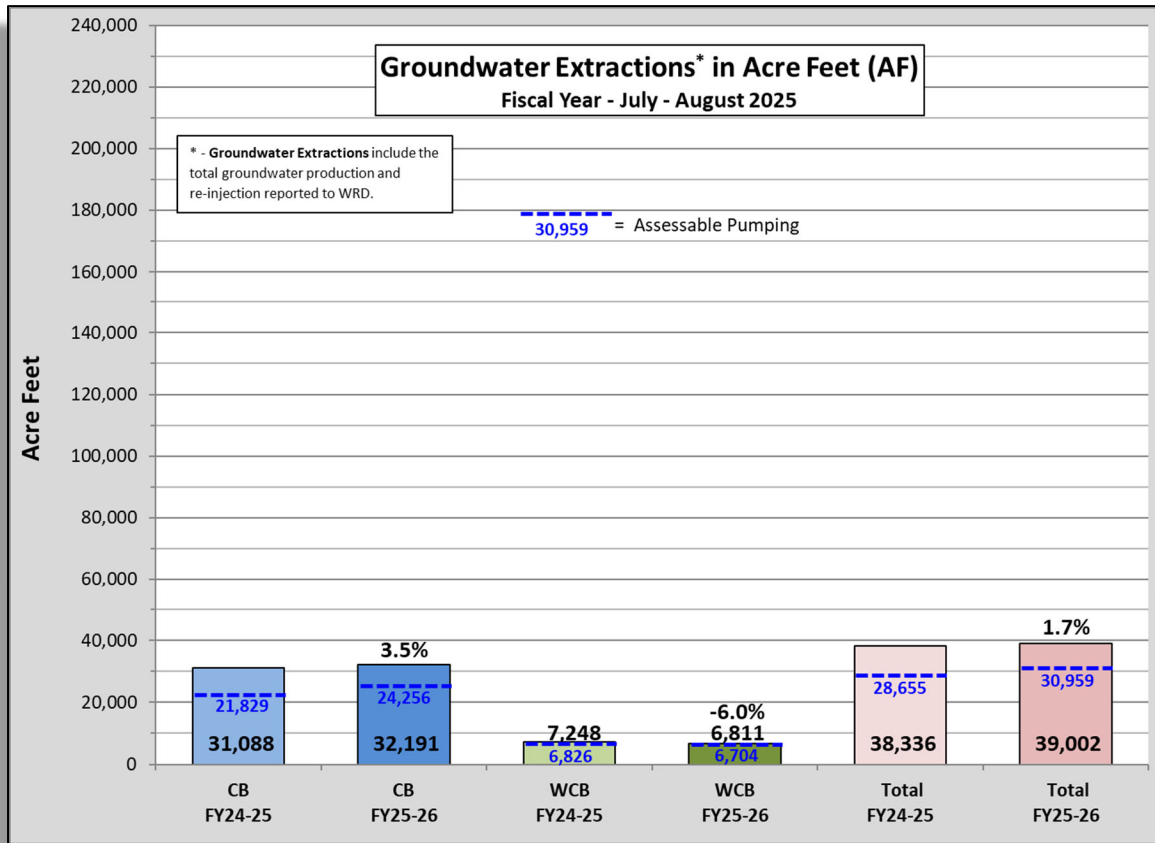


Preliminary numbers for the 2025-26 Fiscal Year show that the West Coast Barrier has used 1,716 acre feet of the total 14,400 acre feet planned for injection, 12% of total for the Fiscal Year. The Dominguez Gap Barrier used 1,443 acre feet of the total 7,200 acre feet planned for injection, 20% of the total for the Fiscal Year. The Alamitos Gap Barrier, on the WRD side, used 319 acre feet of the total 3,800 acre feet planned for injection, 8% of the total for the Fiscal Year. Advanced Treated Recycled Water (ATW) usage at the three barriers for the Fiscal Year to date is 62% at the West Coast Barrier (+10%), 60% at the Dominguez Gap Barrier (-5%), and 0% Alamitos Gap Barrier. The combined ATW usage at all three barriers is 56% (+5%).



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

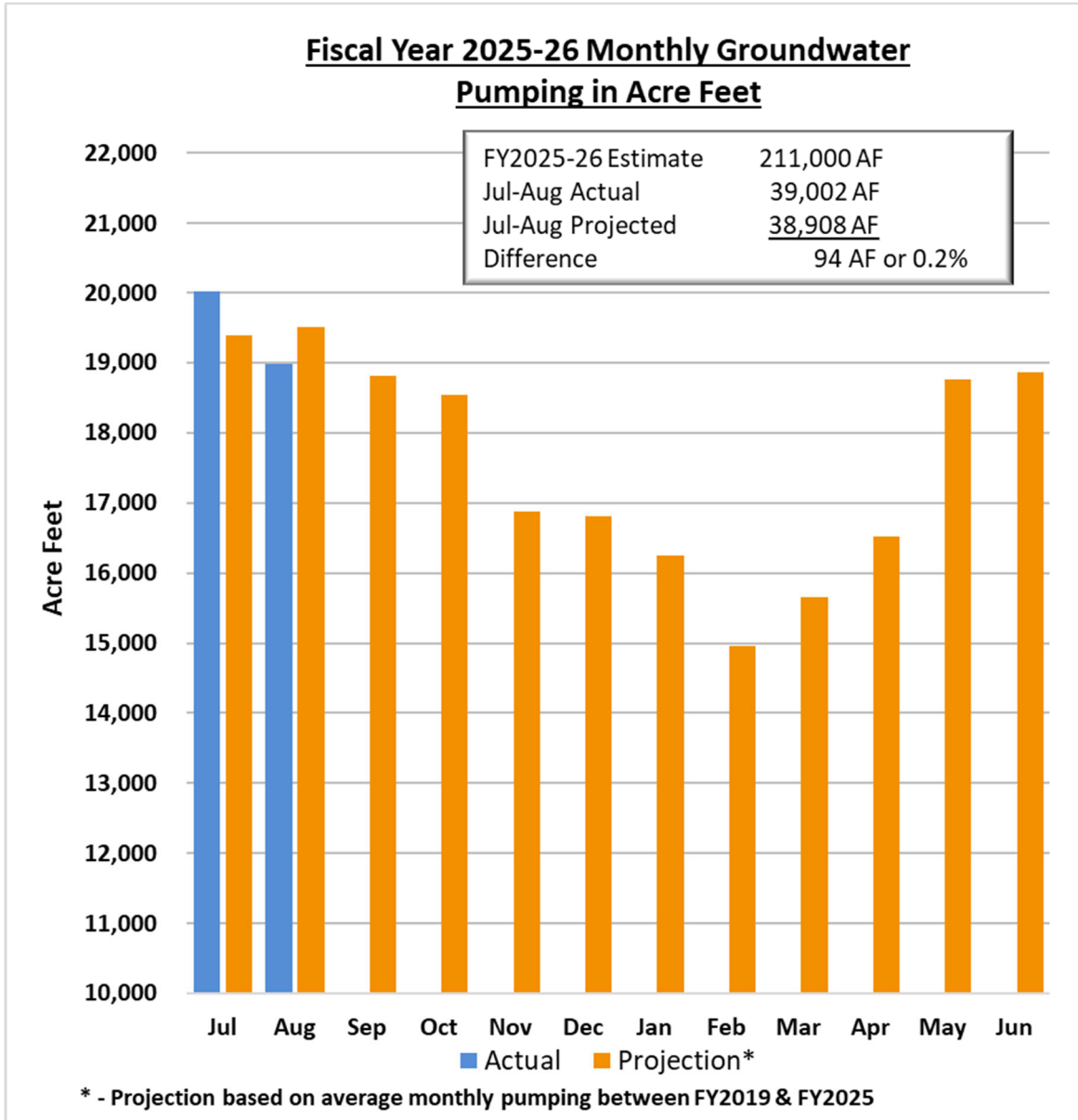
Preliminary numbers for groundwater production in the District for the Fiscal Year 2025-26 (July-August) indicate total pumping in the Central Basin was up 1,103 acre feet from the same time of the previous fiscal year (+3.5%) and the West Coast Basin total pumping was 437 acre feet lower than the previous fiscal year (-6.0%). The total pumping is 30,959 acre feet compared to 38,336 acre feet during the same time the previous year for an increase of 666 acre feet, or +1.7%. The current pumping data does not include five (5) Central Basin pumpers and one (1) West Coast Basin pumper, who have not yet reported, for an estimated 16 additional acre feet.



Interesting...

The U.S. uses nearly 80 billion gallons per day of fresh groundwater for public supply, irrigation, livestock, manufacturing, mining, thermoelectric power, and other purposes.

Preliminary numbers indicate 39,002 acre feet of groundwater have been pumped this fiscal year and is 0.2% above the projected fiscal year to date goal of 38,908 acre feet (or 94 acre feet). Monthly actual production versus the 7-year average monthly production projections (FY 2019 through 2025) are included in the chart below.



"The solution to our water problems is more rain." - Mark Twain



For the Fiscal Year 2025-26 (July-August 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	773.78	1,428.81	655.03	84.65
Cal. Water Service Co. (East LA)	1,884.74	2,227.64	342.90	18.19
Whittier, City	973.82	1,175.92	202.10	20.75
Downey, City	2,594.86	2,741.49	146.63	5.65
Lynwood, City	883.39	998.28	114.89	13.01
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Santa Fe Springs, City	510.73	266.36	-244.37	-47.85
Golden State Water Co. - CB	3,187.63	3,014.47	-173.16	-5.43
Suburban Water Systems	480.20	335.42	-144.78	-30.15
Maywood Mutual No. 1	116.56	0.24	-116.32	-99.79
Commerce, City	308.87	259.71	-49.16	-15.92

Production Trends – West Coast Basin				
Top 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Cal. Water Service Co./Hawthorne Lease	0.95	232.32	231.37	24,354.74
Golden State Water Co. - WB	1,858.57	1,954.90	96.33	5.18
Cal. Water Service Co. Alpha 7050	185.49	279.22	93.73	50.53
Manhattan Beach, City	23.75	77.54	53.79	226.48
Inglewood, City	271.71	313.17	41.46	15.26
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2024	Jul 2025	Difference	% Change
Tesoro Refining	1,280.97	819.06	-461.91	-36.06
Phillips 66 Co. - Alpha 7093	981.93	888.17	-93.76	-9.55
Cal. Water Service Co. Dominguez - WB	920.49	847.41	-73.08	-7.94
Rolling Hills Country Club	125.00	82.00	-43.00	-34.40
Torrance Refining	189.43	157.21	-32.22	-17.01

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 - August 2024	July 2025 - August 2025	Difference	%Change
ABC USD	0.82	7.76	6.94	846.34
American Text. M.	11.68	14.66	2.98	25.51
Artesia, City	0.55	0.64	.09	16.36
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	916.42	914.34	-2.08	-0.23
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	322.86	335.06	12.20	3.78
Cal. Water Service Co. (East LA)	1,884.74	2,227.64	342.90	18.19
Cal. Water Service Co. Dominguez - CB	198.67	226.89	28.22	14.20
Caltrans	0.95	6.00	5.05	531.58
Cerritos, City	1,467.26	1,520.50	53.24	3.63
Coast Packing Co.	22.11	11.43	-10.68	-48.30
Commerce, City	308.87	259.71	-49.16	-15.92
Compton, City	1,284.26	1,244.85	-39.41	-3.07
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	2,594.86	2,741.49	146.63	5.65
El Rancho Unified School District	0.00	0.00	.00	0.00
Golden State Water Co. - CB	3,187.63	3,014.47	-173.16	-5.43
HMB Bandini, LLC	0.06	0.02	-.04	-66.67
Huntington Park, City - Alpha 2378	490.38	527.70	37.32	7.61

Central Basin	July 2024 - August 2024	July 2025 - August 2025	Difference	%Change
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	46.22	44.53	-1.69	-3.66
La Habra Heights County WD	564.16	569.33	5.17	0.92
Lakewood - City	1,266.81	1,322.15	55.34	4.37
Liberty Utilities - CB	773.78	1,428.81	655.03	84.65
Little Lake Cemetery District	0.00	0.00	.00	0.00
Long Beach, City - CB	5,476.32	5,530.83	54.51	1.00
Los Angeles, City - CB	3.29	2.14	-1.15	-34.95
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	6.50	7.06	.56	8.62
Lynwood, City	883.39	998.28	114.89	13.01
Maywood Mutual No. 1	116.56	0.24	-116.32	-99.79
Maywood Mutual No. 2	166.78	182.38	15.60	9.35
Maywood Mutual No. 3	257.52	273.71	16.19	6.29
Montebello Land and Water Co.	562.40	584.53	22.13	3.93
Newark Group, Inc.	20.98	4.07	-16.91	-80.60
Norwalk, City	73.67	68.57	-5.10	-6.92
Omega OU1/OU3 LLC	0.00	0.00	.00	0.00
Orchard Dale Water District	375.43	413.64	38.21	10.18
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	2.15	2.64	.49	22.79
Paramount USD	0.16	2.04	1.88	1,175.00
Paramount, City	477.03	481.57	4.54	0.95
Pico Rivera, City	752.91	816.76	63.85	8.48
Pico Water District	495.61	522.95	27.34	5.52
Rockview Dairies	28.56	27.30	-1.26	-4.41
Roman Catholic Archbishop - CB	78.20	64.55	-13.65	-17.46
Rowland Water District	0.00	0.00	.00	0.00

Central Basin	July 2024 - August 2024	July 2025 - August 2025	Difference	%Change
San Gabriel Valley Water Co.	598.02	619.16	21.14	3.53
Santa Fe Springs, City	510.73	266.36	-244.37	-47.85
Scantlebury, Robert P.	0.00	0.00	.00	0.00
Signal Hill, City	136.90	174.99	38.09	27.82
South Gate, City	1,512.98	1,500.86	-12.12	-0.80
South Montebello Irrigation Dist	318.97	307.48	-11.49	-3.60
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	480.20	335.42	-144.78	-30.15
Tract 180 Water Co.	221.03	220.36	-.67	-0.30
Tract 349 Mutual Water Co.	116.17	112.69	-3.48	-3.00
Vernon, City	808.70	789.33	-19.37	-2.40
Virginia Country Club	85.10	90.99	5.89	6.92
Walnut Park Mutual	194.27	191.77	-2.50	-1.29
Whittier Union HSD	6.70	4.14	-2.56	-38.21
Whittier, City	973.82	1,175.92	202.10	20.75
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 - August 2024	July 2025 - August 2025	Difference	%Change
ABC Nursery	2.68	2.00	-.68	-25.37
Boeing-WB	0.00	0.00	.00	0.00
Cal. Water Service Co. Alpha 7050	185.49	279.22	93.73	50.53
Cal. Water Service Co. Dominguez - WB	920.49	847.41	-73.08	-7.94
Cal. Water Service Co./Hawthorne Lease	0.95	232.32	231.37	24,354.74
CEMEX, Inc.	0.00	0.00	.00	0.00
Eco Services Operations	25.57	30.30	4.73	18.50
Golden State Water Co. - WB	1,858.57	1,954.90	96.33	5.18
Hillside Memorial Park	34.51	34.73	.22	0.64
Honeywell International	0.00	0.00	.00	0.00
Honeywell International (NCWUP)	0.00	0.00	.00	0.00
Inglewood, City	271.71	313.17	41.46	15.26
Kinder Morgan Liquids Terminals	6.19	9.29	3.10	50.08
L.A. County Department of Parks	91.35	106.62	15.27	16.72
L.A. County Sanitation Districts (WWRF)	0.00	0.00	.00	0.00
Lockheed Martin Corp.	0.00	0.00	.00	0.00
Lomita, City	0.00	3.58	3.58	0.00
Long Beach, City - WB	0.00	0.00	.00	0.00
Manhattan Beach, City	23.75	77.54	53.79	226.48
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	981.93	888.17	-93.76	-9.55
Rolling Hills Country Club	125.00	82.00	-43.00	-34.40
Roman Catholic Archbishop - WB	54.66	72.59	17.93	32.80
SCI Funeral Services	10.27	16.21	5.94	57.84

West Basin	July 2024 - August 2024	July 2025 - August 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	2.21	4.98	2.77	125.34
Tesoro Refining	1,280.97	819.06	-461.91	-36.06
Torrance Refining	189.43	157.21	-32.22	-17.01
Torrance, City	849.77	879.74	29.97	3.53
West Basin Brewer Desalter	0.00	0.00	.00	0.00