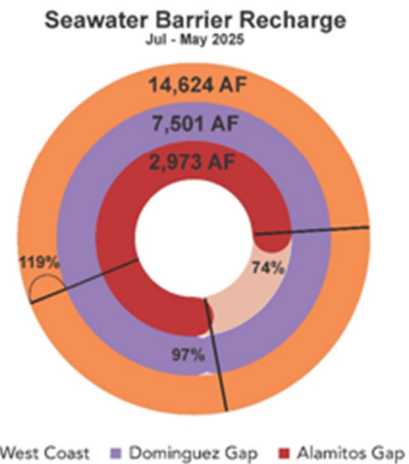
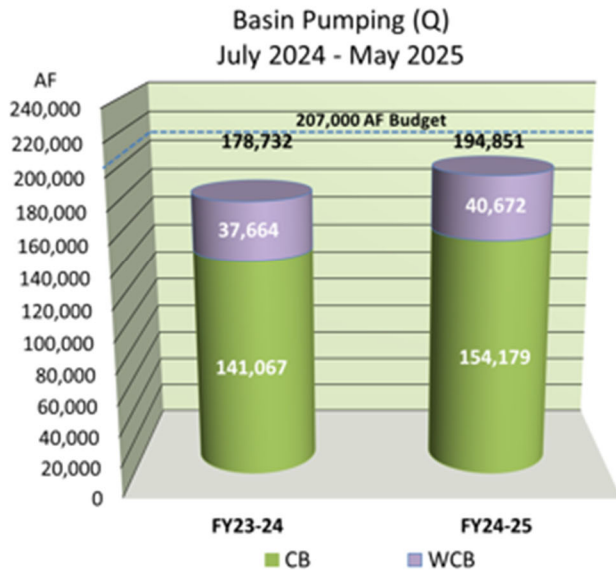
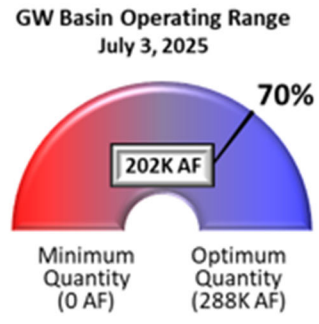
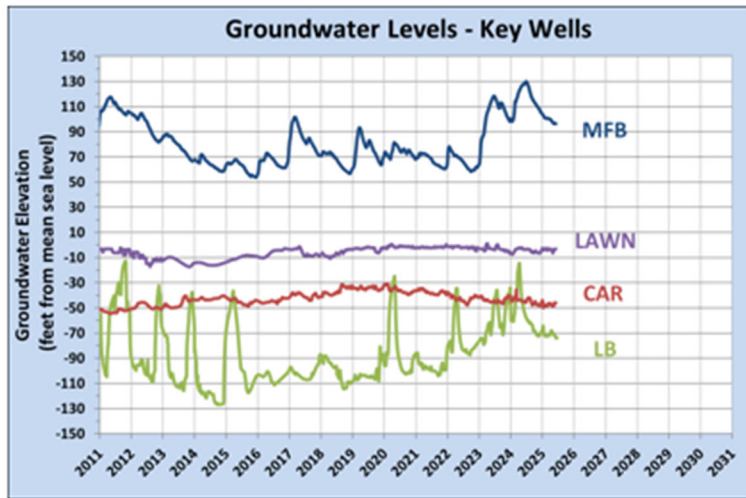
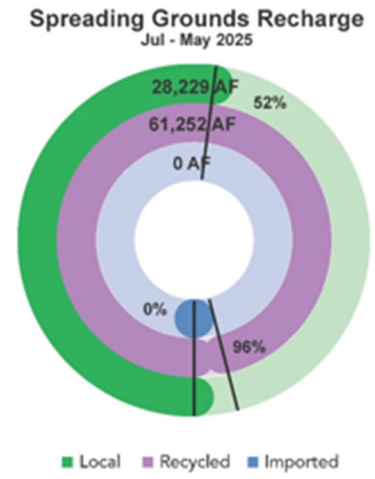
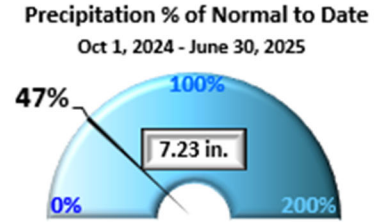
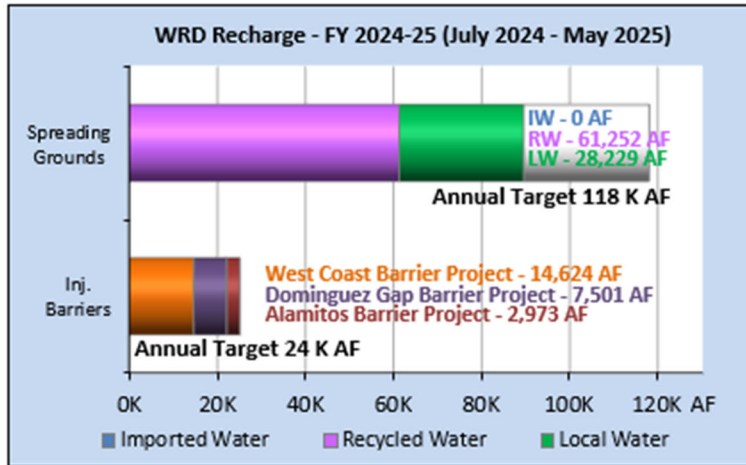


GROUNDWATER BASIN UPDATE FOR JULY 2025

GROUNDWATER BASINS AT A GLANCE*



* - Preliminary numbers, subject to change.

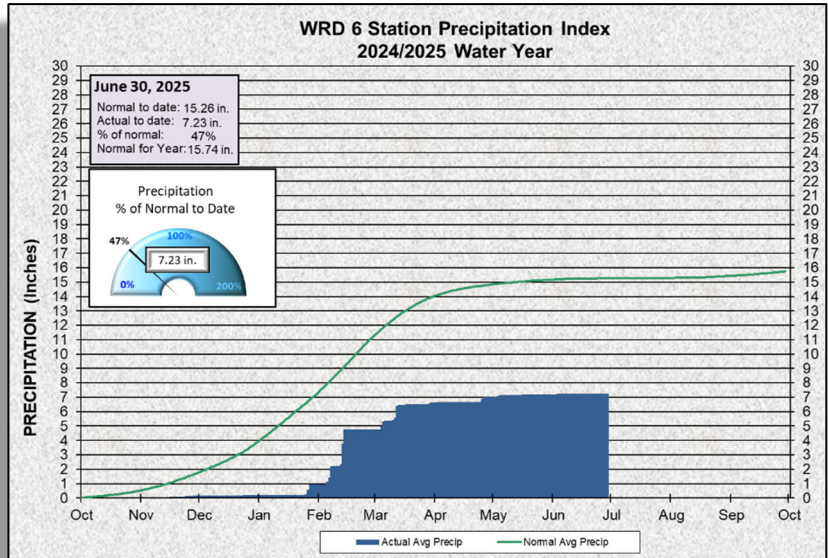
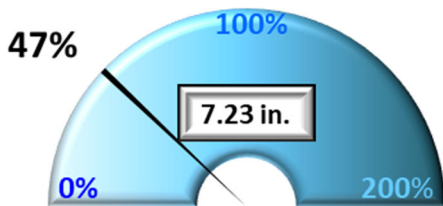
SUMMARY

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 - June 30, 2025)

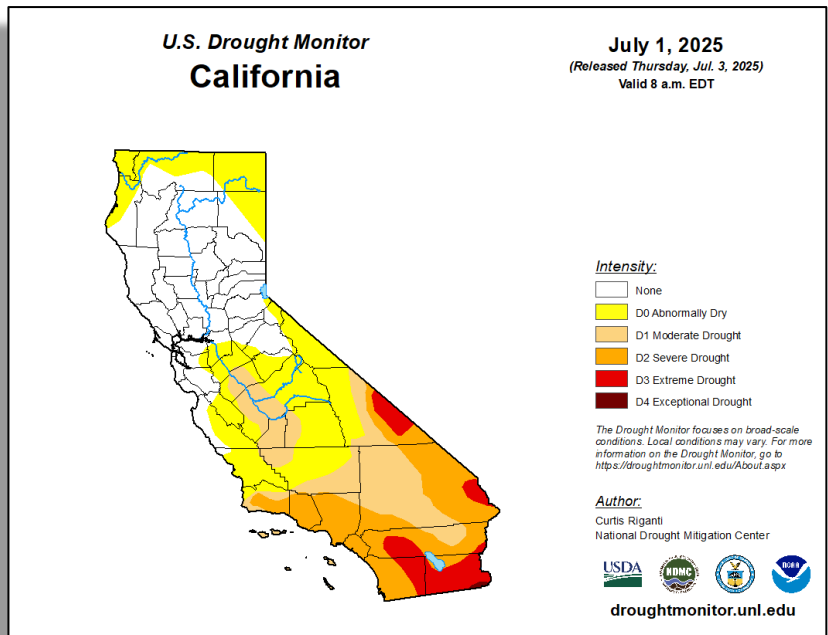
The WRD 6 Station Precipitation Index reports that for the 2024-25 Water Year, there has been below average rainfall (7.23 inches) through June 30, 2025. The normal rainfall for this time period is 15.26 inches, so the District is 47% of normal.

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



Drought Monitor (July 1, 2025)

As of July 1, 2025, the U.S. Drought Monitor is reporting 68% of the State is abnormally dry (up 8%), 39% under moderate (down 1%), 23% under severe (down 2%), 6% under extreme (down 1%), 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 (July 7, 2025)

For the 21 reservoirs reported monthly to the committee, water levels have increased in 2 of 21 reservoirs. The largest increase occurred at Lake Powell (0.09 million acre feet, MAF). The smallest increase occurred at Lakes Perris (<0.01 MAF). The largest decrease (-0.46 MAF) occurred at Lake Shasta. The smallest decrease (<-0.01 MAF) occurred at Lakes 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	2.19	89%	-0.08
Lake Shasta (SHA)	4.55	3.69	81%	-0.46
Lake Oroville (ORO)	3.54	3.13	91%	-0.29
New Bullards Bar (BUL)	0.97	0.88	91%	-0.08
Folsom Lake (FOL)	0.98	0.79	80%	-0.13
Camanche Lake (CMN)	0.42	0.33	79%	-0.02
New Melones L. (NML)	2.40	1.80	75%	-0.11
Don Pedro Res (DNP)	2.03	1.87	92%	-0.05
Lake McClure (EXC)	1.02	0.88	86%	-0.07
Lake Sonoma (WRS)	0.38	0.25	66%	-0.01
San Luis Res (SNL)	2.04	0.91	45%	-0.39
Millerton Lake (MIL)	0.52	0.41	79%	-0.06
Pine Flat Res. (PNF)	1.00	0.61	61%	-0.24
Cachuma Lake (CCH)	0.19	0.16	83%	0.00
Castaic Lake (CAS)	0.33	0.30	93%	-0.01
Casitas Lake (CSI)	0.25	0.23	95%	0.00
Perris Lake (PRR)	0.13	0.12	91%	0.00
L. Silverwood (SLW)	0.08	0.07	93%	0.00

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

Reservoir	Capacity	Storage	% Full	Change
Lake Powell	23.31	7.81	34%	0.09
Lake Mead	26.12	8.04	31%	-0.16
Diamond Valley L (DVL)	0.81	0.78	96%	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 48% capacity (35.24 MAF) which is down 2.06 MAF (-2.8%) from the prior month (-1.99 MAF State Water Project [SWP] and -0.07 MAF Colorado River Aqueduct [CRA]).

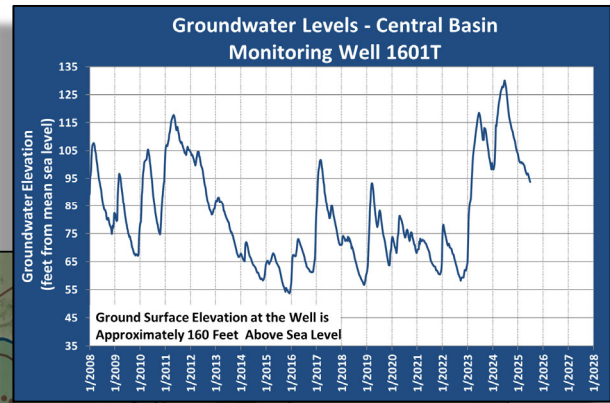
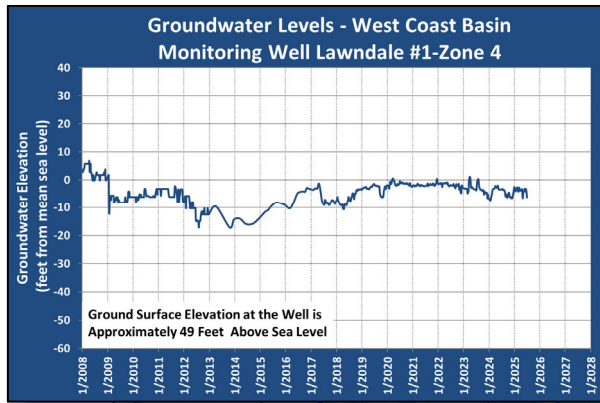


Did you know?

There is over a thousand times more water in the ground than is in all the world's rivers and lakes.

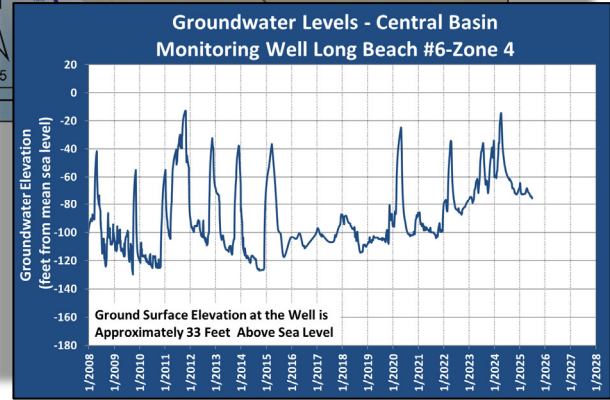
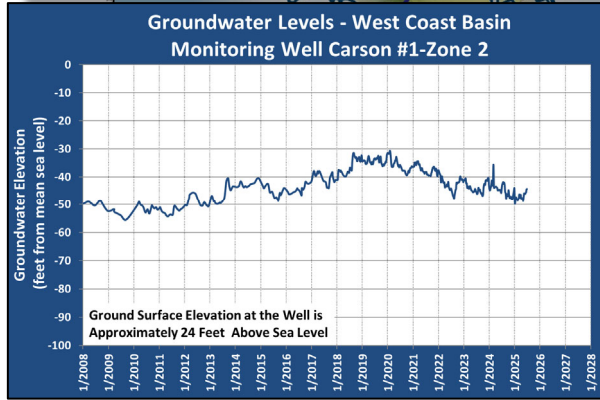
Groundwater Levels (July 3, 2025)

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 3.1 feet	Decreased 35.7 feet
Central Basin Key Well Long Beach #6 4	Decreased 2.8 feet	Decreased 16.6 feet
West Coast Basin Key Well Lawndale #1 4	Decreased 3.0 feet	Decreased 2.9 feet
West Coast Basin Key Well Carson #1 2	Increased 1.6 feet	Decreased 0.1 foot

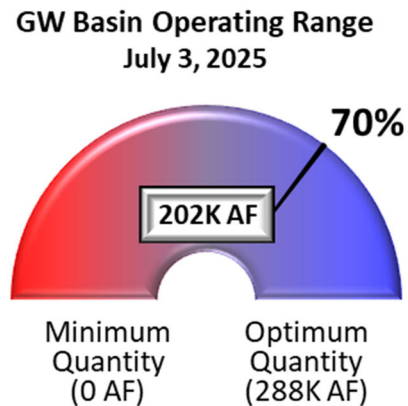
Bold indicates a change in direction (decreasing or increasing) since the last report.

Optimum and Minimum Groundwater Quantity (July 3, 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 July 3, 2025, has been estimated at 698,158 acre feet (subject to change), which is 201,842 acre feet above the Minimum Quantity and 86,158 acre feet below Optimum Quantity. The Basin is at 70% of Optimum Quantity which is lower than what was reported last month (~12K AF lower).



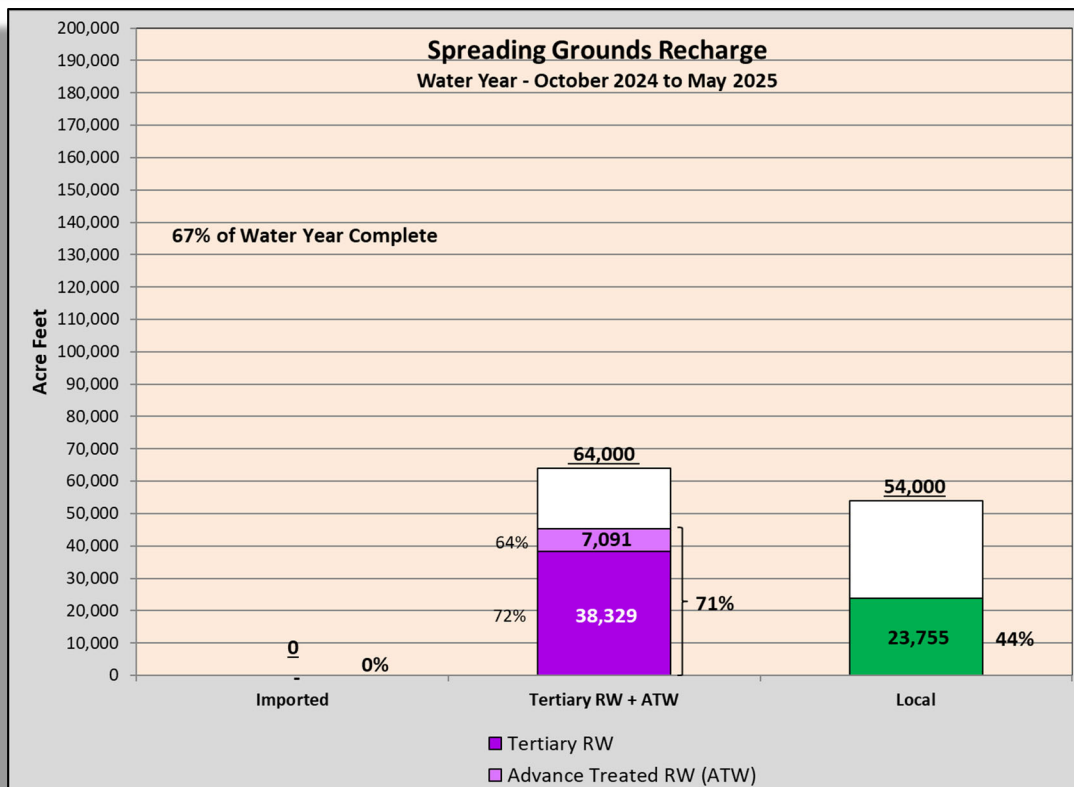
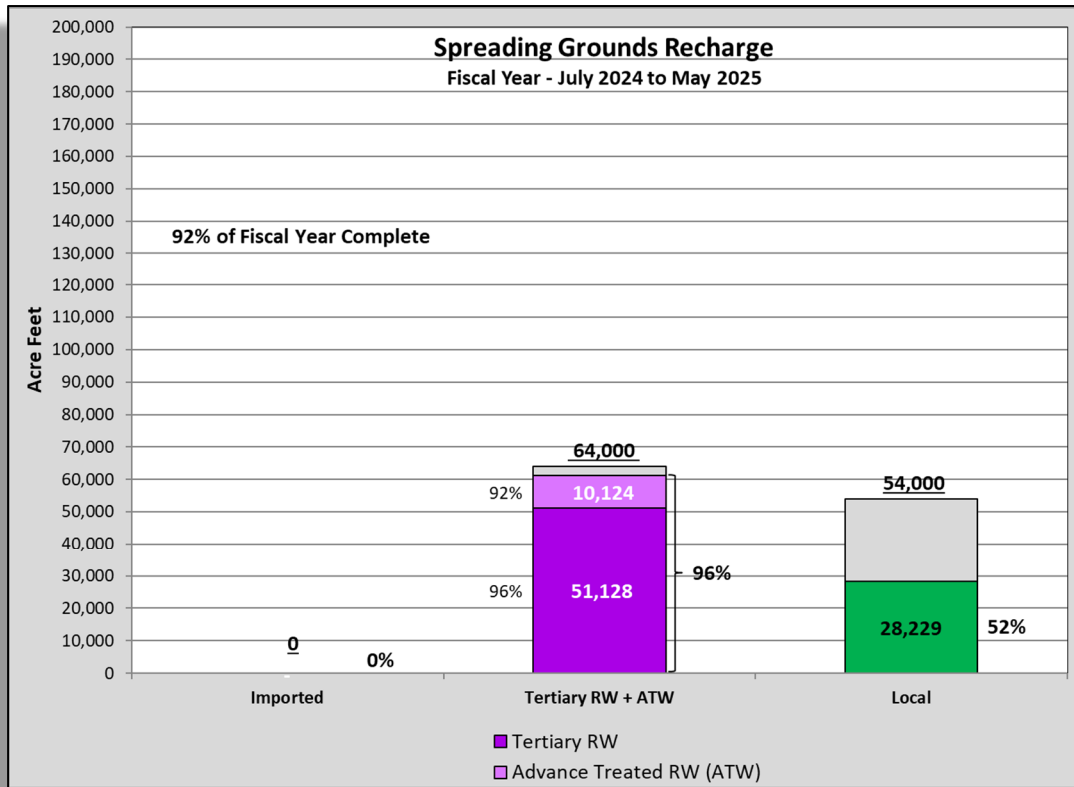
FACT:

Groundwater is a significant water supply source — the amount of groundwater storage dwarfs our present surface water supply.



Montebello Forebay Spreading Grounds (July 2024 - May 2025)

The following Charts show the preliminary spreading grounds replenishment water for the current Fiscal Year (2024-25; 11 months) and Water Year (2024-25; 8 months):



No imported water purchases were planned for Fiscal Year 2024-25.

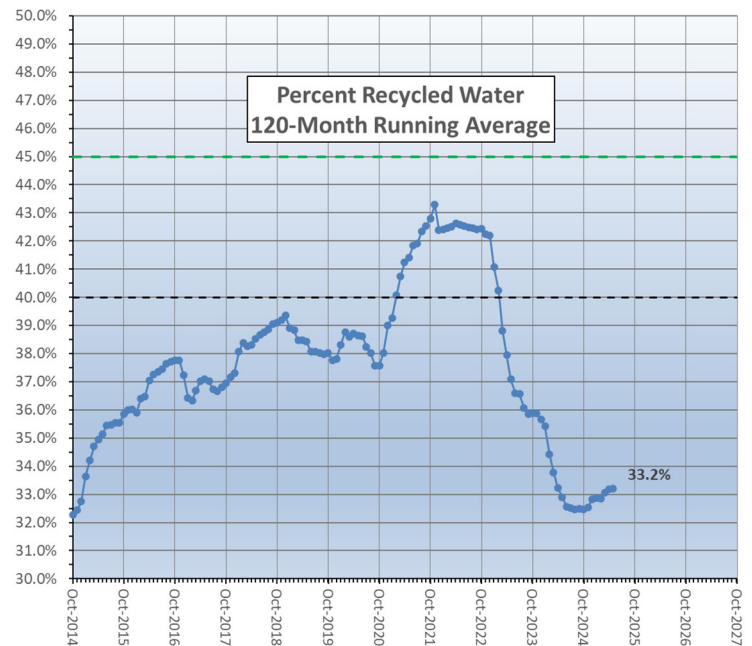
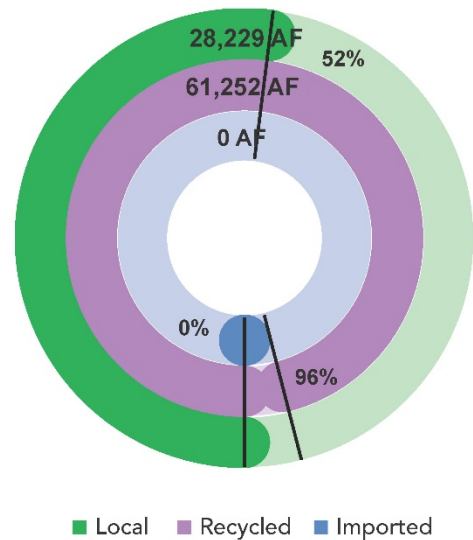
Local water (stormwater plus dry weather urban runoff) is captured by the Los Angeles County Department of Public Works (LACPW) at the spreading grounds for recharge. Local water amounts are determined as the sum of the total water conserved at the spreading grounds less the imported and recycled water deliveries. For the 2024-25 Fiscal Year, 28,229 acre feet of local water capture have been reported by the LACPW.

Preliminary numbers for the 2024-25 Fiscal Year show that approximately 61,252 acre feet of recycled water has been recharged with 10,124 acre feet consisting of advanced treated water from the ARC AWTF and 51,128 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.

Tertiary Recycle Water Permit Update

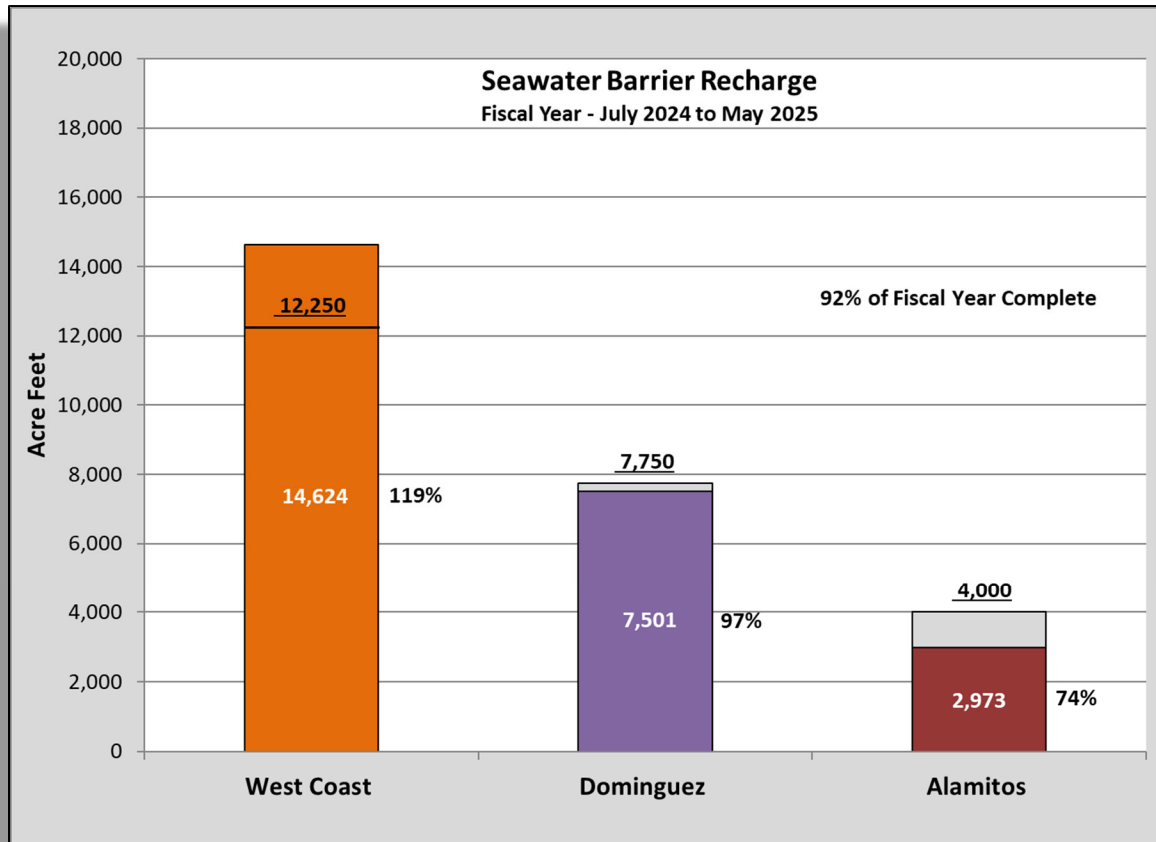
The permit is continuing to progress with LACSD and WRD staff working to update pertinent sections of the new Title 22 Engineering Report. Due to the persistent drought conditions over the past few decades and associated emergency drought proclamation by Governor Newsom, LACSD and WRD submitted a request 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.

Spreading Grounds Recharge
Jul - May 2025



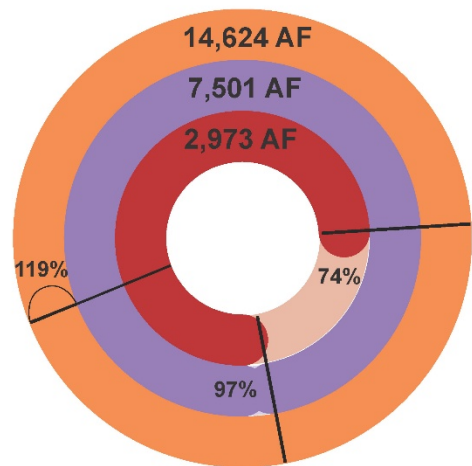
Seawater Barrier Well Injection and Replenishment (July 2024 - May 2025)

The following Chart shows the barrier water injection:



Preliminary numbers for the 2024-25 Fiscal Year show that the West Coast Barrier has used 14,624 acre feet of the total 12,250 acre feet planned for injection, 119% of total for the Fiscal Year. The Dominguez Gap Barrier used 7,501 acre feet of the total 7,750 acre feet planned for injection, 97% of the total for the Fiscal Year. The Alamitos Gap Barrier, on the WRD side, used 2,973 acre feet of the total 4,000 acre feet planned for injection, 74% of the total for the Fiscal Year. Advanced Treated Recycled Water (ATW) usage at the three barriers for the Fiscal Year to date is 54% at the West Coast Barrier (+1%), 71% at the Dominguez Gap Barrier (-3%), and 57% Alamitos Gap Barrier (-1%). The combined ATW usage at all three barriers is 59% (-1%).

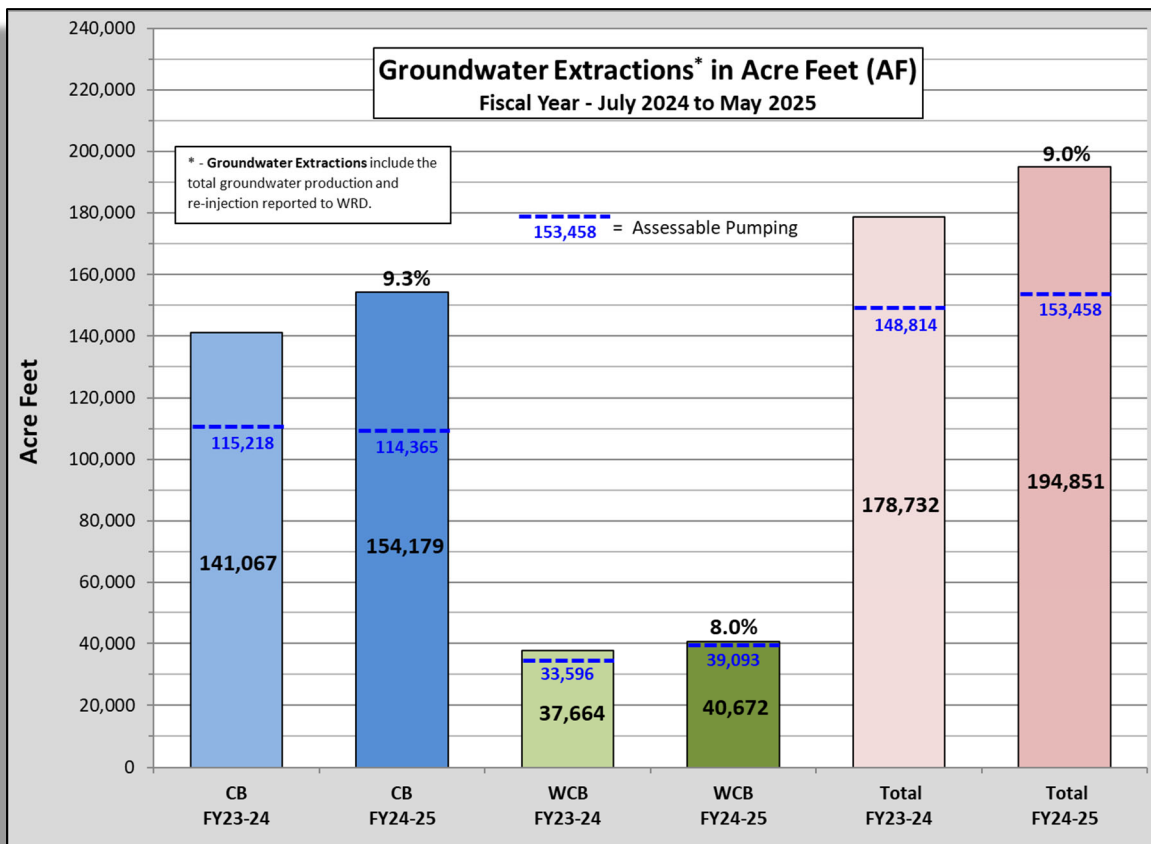
Seawater Barrier Recharge Jul - May 2025



■ West Coast ■ Dominguez Gap ■ Alamitos Gap

Total Pumping (Fiscal Year 2024-25, July 2024 - May 2025)

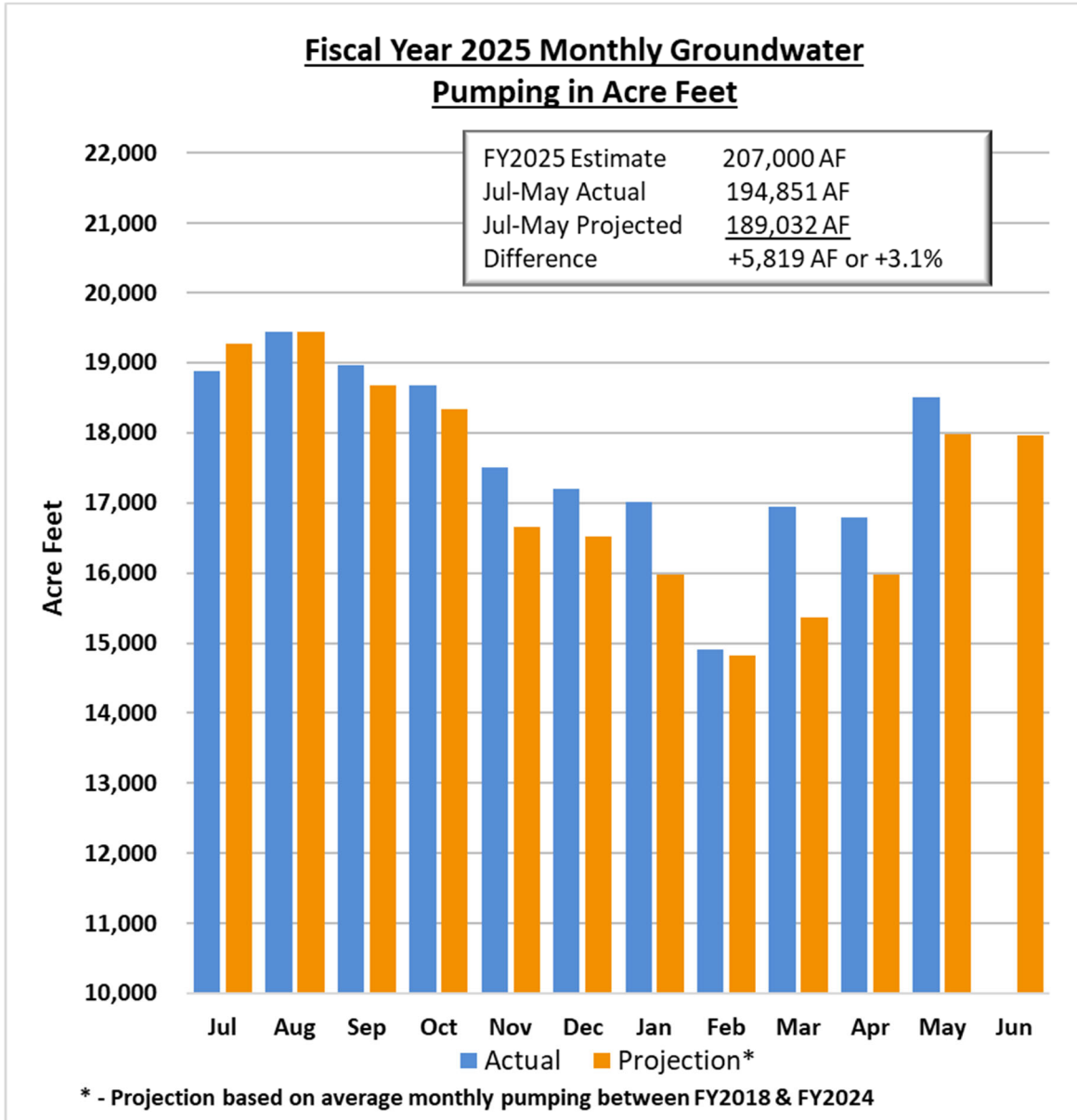
Preliminary numbers for groundwater production in the District for the Fiscal Year 2024-25 (July-May) indicate total pumping in the Central Basin was up 13,111 acre feet from the same time of the previous fiscal year (+9.3%) and the West Coast Basin total pumping was 3,008 acre feet higher than the previous fiscal year (+8.0%). The total pumping is 194,851 acre feet compared to 178,732 acre feet during the same time the previous year for an increase of 16,119 acre feet, or +9.0%. The current pumping data does not include seven (7) Central Basin pumpers and one (1) West Coast Basin pumper, who have not yet reported, for an estimated 9 additional acre feet.



Interesting...

The United States uses 82.3 billion gallons per day of fresh groundwater for public supply, private supply, irrigation, livestock, manufacturing, mining, thermoelectric power, and other purposes.

Preliminary numbers indicate 194,851 acre feet of groundwater have been pumped this fiscal year and is 3.1% above the projected fiscal year to date goal of 189,032 acre feet (or +5,819 acre feet). Monthly actual production versus the 7-year average monthly production projections (FY 2018 through 2024) are included in the chart below.



“When the well's dry, we know the worth of water.” - Benjamin Franklin



For the Fiscal Year 2024-25 (July 2024 - May 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 2023-May 2024	Jul 2024-May 2025	Difference	% Change
Long Beach, City - CB	19,037.81	28,712.40	9674.59	50.82
Downey, City	11,987.28	12,617.31	630.03	5.26
Santa Fe Springs, City	853.15	1,434.82	581.67	68.18
Suburban Water Systems	2,013.60	2,555.76	542.16	26.92
Golden State Water Co. - CB	15,904.93	16,444.94	540.01	3.40
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2023-May 2024	Jul 2024-May 2025	Difference	% Change
Whittier, City	5,910.10	5,250.59	-659.51	-11.16
Lynwood, City	4,169.97	3,655.46	-514.51	-12.34
Signal Hill, City	1,211.38	777.23	-434.15	-35.84
Cal. American Water Co. Alpha 0679	1,785.09	1,642.33	-142.76	-8.00
Vernon, City	4,322.99	4,214.74	-108.25	-2.50

Production Trends – West Coast Basin				
Top 5 Producing <u>by Volume</u> (AF)	Jul 2023-May 2024	Jul 2024-May 2025	Difference	% Change
Torrance, City	1,572.48	4,331.40	2758.92	175.45
Phillips 66 Co. - Alpha 7093	4,130.48	5,517.80	1387.32	33.59
Tesoro Refining	8,075.06	9,251.22	1176.16	14.57
Golden State Water Co. - WB	8,368.84	9,337.86	969.02	11.58
Cal. Water Service Co./Hawthorne Lease	599.32	812.45	213.13	35.56
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2023-May 2024	Jul 2024-May 2025	Difference	% Change
Inglewood, City	1,552.53	881.55	-670.98	-43.22
Eco Services Operations	589.71	91.90	-497.81	-84.42
Cal. Water Service Co. Dominguez - WB	6,008.14	5,617.23	-390.91	-6.51
Torrance Refining	951.03	882.01	-69.02	-7.26
Long Beach, City - WB	31.16	0.00	-31.16	-100.00

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 2023 - May 2024	July 2024 - May 2025	Difference	%Change
ABC USD	10.23	10.56	.33	3.23
American Text. M.	55.64	48.47	-7.17	-12.89
Artesia, City	1.80	2.01	.21	11.67
Atlas Iron and Metal Co.	0.27	0.20	-.07	-25.93
Bell Gardens, City	0.00	0.00	.00	0.00
Bellflower Home Garden	0.00	0.00	.00	0.00
Bellflower-Somerset MWC	4,313.58	4,491.09	177.51	4.12
Boeing Co.	95.32	68.13	-27.19	-28.52
Boeing, Compton Site	53.07	51.78	-1.29	-2.43
Cal. American Water Co. Alpha 0679	1,785.09	1,642.33	-142.76	-8.00
Cal. Water Service Co. (East LA)	10,434.08	10,668.92	234.84	2.25
Cal. Water Service Co. Dominguez - CB	991.58	1,258.48	266.90	26.92
Caltrans	11.21	4.64	-6.57	-58.61
Central Basin MWD	0.00	0.00	.00	0.00
Cerritos, City	6,295.61	6,600.13	304.52	4.84
Coast Packing Co.	122.54	128.75	6.21	5.07
Commerce, City	1,448.00	1,497.80	49.80	3.44
Compton, City	5,953.03	6,169.96	216.93	3.64
Darling-Delaware Co.	0.00	0.00	.00	0.00
Defense Logistic Agency	3.52	1.68	-1.84	-52.27
Demunno Kerdoon	2.13	2.23	.10	4.69
Downey, City	11,987.28	12,617.31	630.03	5.26
El Rancho Unified School District	0.00	0.00	.00	0.00
Golden State Water Co. - CB	15,904.93	16,444.94	540.01	3.40
HMB Bandini, LLC	0.00	0.17	.17	0.00

Central Basin	July 2023 - May 2024	July 2024 - May 2025	Difference	%Change
Huntington Park, City - Alpha 2378	2,394.09	2,548.70	154.61	6.46
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	189.68	200.77	11.09	5.85
La Habra Heights County WD	1,862.01	2,272.24	410.23	22.03
Lakewood - City	5,771.79	5,946.12	174.33	3.02
Liberty Utilities - CB	3,847.07	3,815.42	-31.65	-0.82
Little Lake Cemetery District	0.00	0.00	.00	0.00
Long Beach, City - CB	19,037.81	28,712.40	9674.59	50.82
Los Angeles, City - CB	15.17	15.15	-.02	-0.13
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	23.53	31.29	7.76	32.98
Lynwood, City	4,169.97	3,655.46	-514.51	-12.34
Maywood Mutual No. 1	577.45	577.71	.26	0.05
Maywood Mutual No. 2	841.23	837.27	-3.96	-0.47
Maywood Mutual No. 3	1,215.62	1,292.72	77.10	6.34
Montebello Land and Water Co.	2,589.58	2,664.21	74.63	2.88
Newark Group, Inc.	144.25	121.96	-22.29	-15.45
Norwalk, City	305.62	353.10	47.48	15.54
Omega OU1/OU3 LLC	4.83	6.74	1.91	39.54
Orchard Dale Water District	1,547.94	1,730.18	182.24	11.77
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	5.84	7.72	1.88	32.19
Paramount USD	1.46	0.16	-1.30	-89.04
Paramount, City	2,577.96	2,543.76	-34.20	-1.33
Pico Rivera, City	3,439.10	3,574.55	135.45	3.94
Pico Water District	2,243.05	2,358.92	115.87	5.17
Rockview Dairies	49.86	154.11	104.25	209.09
Roman Catholic Archbishop - CB	212.61	275.87	63.26	29.75

Central Basin	July 2023 - May 2024	July 2024 - May 2025	Difference	%Change
Rowland Water District	0.00	0.00	.00	0.00
San Gabriel Valley Water Co.	2,663.98	2,805.07	141.09	5.30
Santa Fe Springs, City	853.15	1,434.82	581.67	68.18
Scantlebury, Robert P.	0.19	0.42	.23	121.05
SFPP L.P.	0.00	0.00	.00	0.00
Signal Hill, City	1,211.38	777.23	-434.15	-35.84
South Gate, City	7,125.83	7,330.42	204.59	2.87
South Montebello Irrigation Dist	1,461.78	1,477.89	16.11	1.10
Southern California Edison Co. - CB	0.53	0.00	-.53	-100.00
St. John Bosco School	12.84	4.15	-8.69	-67.68
Suburban Water Systems	2,013.60	2,555.76	542.16	26.92
Tract 180 Water Co.	1,105.08	1,119.69	14.61	1.32
Tract 349 Mutual Water Co.	570.05	586.25	16.20	2.84
Tucker, William M.	0.02	0.00	-.02	-100.00
Vernon, City	4,322.99	4,214.74	-108.25	-2.50
Virginia Country Club	249.91	251.89	1.98	0.79
Walnut Park Mutual	942.51	878.81	-63.70	-6.76
Whittier Union HSD	20.22	16.85	-3.37	-16.67
Whittier, City	5,910.10	5,250.59	-659.51	-11.16
WRD	66.79	67.92	1.13	1.69
Yamamoto, Alice	0.00	0.00	.00	0.00

West Coast Basin Production Trends

West Basin	July 2023 - May 2024	July 2024 - May 2025	Difference	%Change
ABC Nursery	11.00	0.00	-11.00	-100.00
Boeing Company	0.00	22.74	22.74	0.00
Boeing-WB	0.00	20.48	20.48	0.00
Cal. Water Service Co. Alpha 7050	933.62	1,089.58	155.96	16.70
Cal. Water Service Co. Dominguez - WB	6,008.14	5,617.23	-390.91	-6.51
Cal. Water Service Co./Hawthorne Lease	599.32	812.45	213.13	35.56
Eco Services Operations	589.71	91.90	-497.81	-84.42
Golden State Water Co. - WB	8,368.84	9,337.86	969.02	11.58
Hillside Memorial Park	88.57	118.03	29.46	33.26
Honeywell International	0.00	0.00	.00	0.00
Honeywell International (NCWUP)	0.00	7.12	7.12	0.00
Inglewood, City	1,552.53	881.55	-670.98	-43.22
Kinder Morgan Liquids Terminals	33.14	35.22	2.08	6.28
L.A. County Department of Parks	158.21	310.23	152.02	96.09
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	0.00	.00	0.00
Long Beach, City - WB	31.16	0.00	-31.16	-100.00
Manhattan Beach, City	125.82	98.22	-27.60	-21.94
Montrose Chemical Corp.	-2.13	-3.09	-.96	45.07
Myron Z. Chalavin	0.00	0.00	.00	0.00
Phillips 66 Co. - Alpha 7093	4,130.48	5,517.80	1387.32	33.59
Rolling Hills Country Club	228.00	286.00	58.00	25.44
Roman Catholic Archbishop - WB	88.26	240.36	152.10	172.33
SCI Funeral Services	26.98	52.84	25.86	95.85

West Basin	July 2023 - May 2024	July 2024 - May 2025	Difference	%Change
Shell Oil Co NCWUP	44.91	72.54	27.63	61.52
Southern California Edison Co. - WB	16.51	15.76	-.75	-4.54
Tesoro Refining	8,075.06	9,251.22	1176.16	14.57
Torrance Refining	951.03	882.01	-69.02	-7.26
Torrance, City	1,572.48	4,331.40	2758.92	175.45
West Basin Brewer Desalter	0.00	0.00	.00	0.00