



RAYMOND BASIN

MANAGEMENT BOARD

Annual Report

July 1, 2025 –
June 30, 2026

Prepared: September 2026



MISSION STATEMENT

*The Raymond Basin Management Board
is responsible for managing the current and future quality
and quantity of water resources for the benefit of
its members and the communities they serve.*

FOREWORD

The Raymond Basin Management Board, as Watermaster, is pleased to submit this report on water supply conditions in the Raymond Basin during the 2025-26 fiscal year. It is prepared annually in accordance with the provisions of the Superior Court of California, County of Los Angeles Judgment in the City of Pasadena vs. City of Alhambra, et al., Case No. Pasadena C-1323.

The Watermaster utilizes the services of the Raymond Basin Staff and Stetson Engineers to prepare the annual report. This report summarizes the Watermaster work, conditions of groundwater supply, water use, storage, groundwater replenishment, and gives a financial summary for the fiscal year.

The Raymond Basin Staff wishes to acknowledge and express appreciation for the assistance and support received from the public and private parties and the individuals whose contributions were essential to the preparation of this report.

WATERMASTER SERVICE IN THE RAYMOND BASIN

July 1, 2025 – June 30, 2026

September 2026

BOARD OF DIRECTORS

2025 - 2026



Chris Burt, *Chair*
Kinneloa Irrigation District for Pasadena Subarea

Paul Cranmer, *Vice Chair*
City of Arcadia

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City of Pasadena

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Dennis Ahlen
City of Alhambra

Justin Bailey
La Cañada Irrigation District for Monk Hill

Jim Prior
San Gabriel County Water District

Jessica Taylor
California American Water

Ken Tcheng
Sunny Slope Water Company

Steven McGee, *Member At Large*
City of Sierra Madre

Kelly L. Gardner, *Executive Officer*
Assistant Secretary Treasurer

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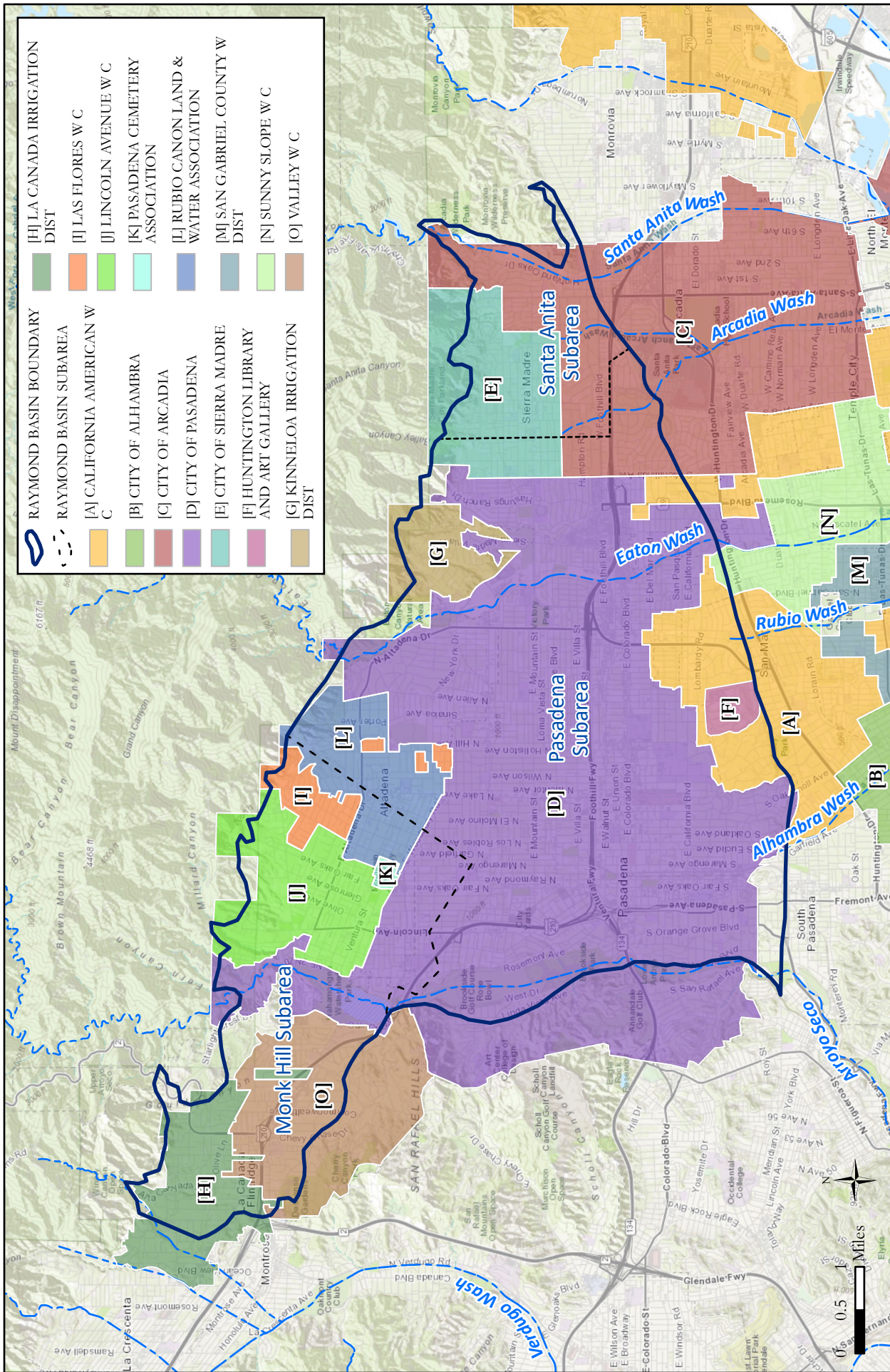
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**WATER SERVICE AREAS OF PARTIES TO
RAYMOND BASIN JUDGMENT BOUNDARY 1944
WATERMASTER SERVICE**

FIGURE 1

SUMMARY OF WATER CONDITIONS AND OPERATIONS

On September 16, 2014, Governor Edmund G. Brown Jr. signed a three-bill package (AB 1739 - Dickinson, SB 1319 and SB 1168 - Pavley) known as the Sustainable Groundwater Management Act (SGMA). SGMA created a framework for sustainable, local groundwater management for the first time in California history, outside of court adjudicated basins.

In accordance with the stipulations in the California Water Code, the Raymond Basin Management Board staff, serving as Watermaster for the Raymond Basin, submitted a copy of the governing final judgment, including amendments, along with the annual report to the State of California Department of Water Resources (DWR) on April 1, 2026. Additionally, staff continues to comply with certain regulations within SGMA, which include reporting to DWR on groundwater elevation data, groundwater extractions, surface water supply, total water usage, and groundwater storage.

Summarized below, and in Tables 1 to 4, are highlights of operations for the current fiscal year. Details of the Basin operations and the historic and operational data follow these tables.

1. Precipitation (Tables 1 and 5; Figures 2, 3, and 4)

Precipitation has increased from the previous year (25.55 inches during 2025-26 versus 10.68 inches during 2024-25, roughly 119% of the 77-year average (21.48 inches).

Water spread in the Basin increased from the prior year by approximately 140%. (11,378 acre-feet during 2025-26 versus 4,748 acre-feet during 2024-25).

2. Groundwater Levels Measured in October 2025 and April 2026 (Table 8; Figures 8-12)

Although water levels have continued to fluctuate throughout the Basin in fiscal year 2025-26, groundwater levels appear to have continued to increase. (Figure 8)

3. Water Quality Monitoring Program in the Raymond Basin

Water in the Basin continues to be of good quality regarding most constituents except for a few sources with high fluoride concentrations in the foothills and high nitrate concentrations in the Monk Hill Subarea and Pasadena Subarea. Volatile organic compound (VOC) contaminants have been detected in several areas, particularly in the Arroyo Seco.

In late June of 1997, perchlorate, a previously unknown contaminant, was detected in several basin wells and several monitoring wells at the JPL Superfund site. As a result of the recent change in the maximum contaminant

level (MCL) for Hexavalent Chromium, RBMB staff continues to monitor these and other constituents to manage water quality effectively and efficiently in the Basin.

In recent years, the presence of PFAS/PFOA have been a water quality concern at both the federal and state level. The Raymond Basin Management Board does not manage a comprehensive sampling program throughout the Basin, rather some agencies elect to gather and report data independently. The Board has discussed potential impacts with producers relative to their systems and so far, have not received any orders from the Division of Drinking Water for specific sampling. Staff prepared cost proposals to budget for Basin-wide sampling, but the Board elected to continue with the sampling program on a voluntary basis.

4. Nonparty Pumpers

The Las Encinas Hospital private well was inactive in 2025-26 and 0.0 acre-feet was produced.

5. JPL Superfund Clean-Up Project (Appendix G)

Progress has been made over the past few years with respect to groundwater cleanup efforts by the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL). NASA funded and completed the installation of a 2,000 gpm ion exchange treatment plant at Lincoln Avenue Water Company in July 2004. It is within the area known as OU-1 under a clean-up order issued by the USEPA for the removal of Perchlorate. The intent is to contain high levels of VOCs and Perchlorate that are known to be migrating from beneath the JPL property.

Additionally, NASA owns and operates a Bio-remediation treatment plant located on the JPL site intended to intercept high-level contaminants at the source. A new extraction (EW-3) and injection well (IW-3) were added to the OU-1 system and began operation in October 2007. In fiscal year 2017-18, Lincoln Avenue Water Company activated Well No. 6 as part of the overall OU-1 clean-up project. In fiscal year 2018-19, NASA drilled a new well on the JPL site for additional contaminant plume capture called EW-4 (presented to RBMB July 2019). It was not constructed to increase extraction rates, rather a replacement for an existing well upstream.

The plant extracted, treated and re-injected approximately 419.36 acre-feet of groundwater from July 1, 2025 through June 30, 2026 (detailed production and injection data contained in Appendix G).

6. Cost Account for Water Salvaged by Sierra Madre (Table 12)

Expenditures during 2025-26 totaled \$2,552.

7. Over Extractions (Table 3)

There were no over extractions during the 2025-26 fiscal year.

8. Meters Tested (Table 13)

The Management Board requires annual testing of well water production meters. Meters recording more than 5% slow require adjustment to production records. Meters recording fast are the responsibility of the party to adjust. 37 production meters were tested in fiscal year 2025-26. All meters were found to be in compliance.

9. Long-Term Storage Accounts (Table 4A, 4B and 4C)

The Management Board affirmed the previously approved 1.0 percent loss factor for fiscal year 2025-26. A net reduction of approximately 635 acre-feet in Long-Term Storage occurred between July 1, 2025 and June 30, 2026.

Effective April 15, 2015, the Board approved Short-Term Storage accounts for the Pasadena Subarea that allows a “one-year carry-over” of unused water for the purpose of storing water in wetter years.

Resolution 54-0719 approved by the Board in 2019 “freezes” existing Long-Term Storage accounts in the Pasadena Subarea, halting its use. Resolution 57-0423 approved by the Board in 2023 “freezes” Long-Term Storage accounts in the Monk Hill Subarea and, effective July 1, 2023, Long-Term Storage cannot be increased or reduced without the approval of an application for an Emergency Exemption as defined in the resolution.

10. In-Lieu Programs

In 2019, the City of Pasadena Water and Power, through a program with the Metropolitan Water District (MWD), participated in an in-lieu program to retire 1,000 acre-feet of water in the Pasadena Subarea. The RBMB agreed to fund this program out of reserves to take advantage of available MWD imported water in lieu of groundwater pumping to help stabilize groundwater levels.

In fiscal year 22-23, the City of Pasadena Water and Power, through a program with MWD, participated in the Winter In-Lieu Program to retire 296.43 acre-feet of decreed rights in the Monk Hill Subarea. The RBMB conditionally approved participation in the program based on performance criteria and agreed to fund the program out of reserves. A plan for repayment of reserves was developed and approved in July 2023.

In fiscal year 2022-23, the Cyclic Cost Offset Program (CCOP) was offered by MWD following above average rainfall and excess available storage in the MWD system. The RBMB authorized the CCOP In-Lieu Program in the Monk Hill

Subarea and the retirement of an additional 217.67 acre-feet, resulting in a total of 514.10 acre-feet of City of Pasadena decreed right in the Monk Hill Subarea in fiscal year 2022-23. Participation was funded through reserves and Monk Hill assessment were increased to payback reserves over a five-year period.

Participation in the CCOP In-Lieu program continued in fiscal year 2023-24 and an additional 49.8 acre-feet of City of Pasadena decreed rights in the Monk Hill Subarea was retired. The program was again funded using reserves and the repayment program was revised. All in-lieu activity in fiscal years 2022-23 and 2023-24 were contingent upon performance requirements.

The RBMB recognizes that the short-term solution to replenishing the Basin is through utilization of in-lieu means, therefore, this can be coordinated with willing and able producers in any given year pending Board approval.

TABLE 1. SUMMARY OF WATER CONDITIONS AND OPERATIONS

Item	2024-25 Fiscal Year	2025-26 Fiscal Year	Change From Previous Fiscal Year
Number of:			
Parties	15	15	0%
Active pumpers	15	15	0%
Active non-parties	2	2	0%
Watermaster Expenses	\$ 977,048	\$ 670,675	-31%
Average Valley Rainfall (inches)^{1/}	10.68	25.55	139%
Spreading Operation (acre feet)^{2/}	4,748	11,373	140%
"Decreed Right" (acre feet)	30,622	30,622	0%
Water Use (acre feet):			
Extractions	23,762	22,183	-7%
Surface Water Diversions	401	205	-49%
Imported Water	29,567	26,780	-9%
Exported Water	(1,062)	(1,310)	23%
Net Water Use	52,668	47,858	-9%

1/ See Table 5/ Figure 3A

2/ Spreading numbers include 1,405.7 AF of imported MWD water spread by the City of Sierra Madre

TABLE 2. DECREED RIGHTS AND AMOUNTS OF WATER EXTRACTED AND EXCHANGED

Party Name	Allowable Extractions									Amount Extracted ^{4/}	Balance (6-7)	Storage			Carryover into 2026-27	Loss of Prior Year Credit ^{7/}	Loss of Decreed Rights
	Decreed Right	Sub-area Reductions	Net Decreed Right (1a + 1b)	Prior Year Credits			Net Leases ^{3/}	Imported Water Spread/ Injection ^{4/}	Sub-Total +(1 thru 6)			Long-Term Storage FY Activity ^{5/}	Added to Short- Term Storage ^{1/}	Cooperative Storage Program ^{6/}			
				Carryover from 2024-25	Short-Term Storage Available ^{1/}	Prior Year Spread Credit ^{2/}											
	1a	1b	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Monk Hill Subarea 24% Reduction ^{8/}																	
La Canada Irrigation District	100.0	(24.0)	76.0	10.0	N/A	0.0	0.0	0.0	86.0	1.5	84.5	0.0	N/A	N/A	10.0	8.5	66.0
Las Flores Water Company ^{9/}	249.0	(59.8)	189.2	24.9	N/A	22.4	(134.0)	(370.1)	(267.6)	0.0	(267.6)	(267.6)	N/A	N/A	0.0	0.0	0.0
Lincoln Avenue Water Company ^{9/ 10/}	567.0	(136.1)	430.9	58.1	N/A	228.9	194.1	370.1	1,282.1	1,282.0	0.1	0.0	N/A	N/A	0.1	0.0	0.0
Pasadena Cemetery Association ^{11/}	91.0	(21.8)	69.2	0.0	N/A	0.0	(60.1)	0.0	9.1	0.0	9.1	0.0	N/A	N/A	9.1	0.0	0.0
Pasadena, City of ^{12/}	4,464.0	(1,071.4)	3392.6	446.4	N/A	865.0	(27.2)	(570.3)	4,106.5	4,106.5	0.0	0.0	N/A	N/A	0.0	0.0	0.0
Rubio Canon Land & Water Assn. ^{13/}	1,221.0	(293.0)	928.0	0.0	N/A	31.6	0.0	0.0	959.6	959.6	0.0	0.0	N/A	N/A	0.0	0.0	0.0
Valley Water Company	797.0	(191.3)	605.7	79.7	N/A	0.0	27.2	21.8	734.4	598.1	136.3	0.0	N/A	N/A	79.7	0.0	56.6
Subtotal	7,489.0	(1,797.4)	5,691.6	619.1	0.0	1,147.9	0.0	(548.5)	6,910.1	6,947.7	(37.6)	(267.6)	0.0	0.0	98.9	8.5	122.5
Pasadena Subarea 30% Reduction ^{14/}																	
Alhambra, City of	1,031.0	(309.3)	721.7	103.1	N/A	0.0	(100.0)	0.0	724.8	0.0	724.8	0.0	N/A	N/A	103.1	103.1	518.6
Arcadia, City of	2,118.0	(635.4)	1,482.6	211.8	N/A	0.0	0.0	0.0	1,694.4	745.3	949.1	0.0	N/A	N/A	211.8	0.0	737.3
California-American Water Company	2,814.0	(844.2)	1,969.8	281.4	18.6	0.0	0.0	0.0	2,269.8	70.3	2,199.5	0.0	18.6	N/A	281.4	229.7	1,669.8
H.E. Huntington Library & Art Gallery	372.0	(111.6)	260.4	37.2	172.3	0.0	100.0	0.0	569.9	270.5	299.4	0.0	232.7	N/A	37.2	29.5	0.0
Kinneloa Irrigation District	516.0	(154.8)	361.2	51.6	248.4	283.5	0.0	0.0	944.7	615.2	329.5	0.0	248.4	N/A	51.6	0.0	29.5
Pasadena, City of ^{15/}	8,343.0	(2,502.9)	5,840.1	834.3	N/A	194.5	0.0	570.3	7,439.2	7,439.2	0.0	0.0	N/A	N/A	0.0	0.0	0.0
San Gabriel County Water District	1,091.0	(327.3)	763.7	76.8	N/A	0.0	0.0	0.0	840.5	827.9	12.6	0.0	N/A	N/A	12.6	0.0	0.0
Sunny Slope Water Company	1,558.0	(467.4)	1,090.6	58.3	N/A	0.0	0.0	0.0	1,148.9	1,000.1	148.8	0.0	N/A	N/A	148.8	0.0	0.0
Subtotal	17,843.0	(5,352.9)	12,490.1	1,654.5	439.3	478.0	0.0	570.3	15,632.2	10,968.5	4,663.7	0.0	499.7	0.0	846.5	362.3	2,955.2
Western Unit Total	25,332.0	(7,150.3)	18,181.7	2,273.6	439.3	1,625.9	0.0	21.8	22,542.3	17,916.2	4,626.1	(267.6)	499.7	0.0	945.4	370.8	3,077.7
Recapitulation for City of Pasadena	12,807.0	(3,574.3)	9,232.7	1,280.7	N/A	1,059.5	(27.2)	0.0	11,545.7	11,545.7	0.0	0.0	N/A	N/A	0.0	0.0	0.0
Santa Anita Subarea 500' Limitation ^{16/}																	
Arcadia, City of	3,526.0	(1,205.0)	2,321.0	0.0	N/A	0.0	0.0	0.0	2,321.0	1,983.0	338.0	N/A	N/A	N/A	0.0	0.0	338.0
Sierra Madre, City of ^{17/}	1,764.0	(824.0)	940.0	0.0	N/A	0.0	0.0	1,405.7	2,345.7	2,283.5	62.2	N/A	N/A	N/A	0.0	0.0	62.2
Subtotal	5,290.0	(2,029.0)	3,261.0	0.0	0.0	0.0	0.0	1,405.7	4,666.7	4,266.5	400.2	0.0	0.0	0.0	0.0	0.0	400.2
RAYMOND BASIN TOTAL	30,622.0	(9,179.3)	21,442.7	2,273.6	439.3	1,625.9	0.0	1,427.5	27,209.0	22,182.7	5,026.3	(267.6)	499.7	0.0	945.4	370.8	3,477.9

1/ See Table 4C for detailed FY activity. Short-Term Storage approved by RBMB April 2015.

2/ See Appendix C for detailed activity.

3/ See Table 10 for detailed activity.

4/ See Appendix D for detailed activity.

5/ See Tables 4A and 4B for detailed FY activity.

6/ Applies to City of Pasadena.

7/ Credits including prior year carryover, prior year spread credit, injection credit, imported water credit, and short term storage are not eligible to be carried over.

8/ 24% Reduction adopted by RBMB April 2023 and effective July 1, 2023.

9/ Lincoln Avenue delivered 370.1 AF (284.7 + 85.4) to Las Flores WC. Actual extractions are assigned to Lincoln Avenue WC. Backup was provided by both parties based on biweekly reads. Parties are in agreement regarding total water delivered.

10/ Pasadena Cemetery Assoc. leased 9.1 AF of carryover from FY 24-25 to Lincoln Avenue WC for use in FY 25-26. Lincoln Avenue WC carryover adjusted as 49.0 + 9.1 = 58.1 AF

11/ Pasadena Cemetery Assoc. leased 9.1 AF of carryover from FY 24-25 to Lincoln Avenue WC for use in FY 25-26. Pasadena Cemetery carryover adjusted as 9.1 - 9.1 = 0.0 AF

12/ Transferred 570.3 AF from Monk Hill to Pasadena Subarea.

13/ Prior year spread credit includes portion of current year spread credit (28.2 + 3.4 = 31.6 AF). Spread credit gained from FY 25-26 diversions and credited in FY 26-27 will be reduced by 3.4 AF (39.9 - 3.4 = 36.5 AF).

14/ 30% Reduction adopted by RBMB January 2008.

15/ Prior year spread credit includes portion of current year spread credit (149.4 + 45.1 = 194.5 AF). Spread credit gained from FY 25-26 diversions and credited in FY 26-27 will be reduced by 45.1 AF (970.7 - 45.1 = 925.6 AF).

16/ 500' Limitation per Section VI of 1944 Raymond Basin Judgement.

17/ See Table 9 for detailed Salvage Credit activity.

N/A = Not Applicable

TABLE 3. OVEREXTRACTIONS IN 2025-26
(acre feet)

Party	Decreed Right 1955 (1)	Allowable Carryover from 2024-2025 (2)	Net Leases and Prior Year Spreading Credit (3)	Imported Water Spread/ Injection (4)	Long Term Storage Program (5)	Allowable Extractions (1+2+3+4+5) (6)	Amount Extracted (7)	Overextraction ^{1/}		
								Amount Overextracted (6-7) (8)	Amount Allowable (10% of Decreed Right 1955) (9)	Percent Overextracted (8/1) (10)
<u>Monk Hill Subarea</u> None										
<u>Pasadena Subarea</u> None										
<u>Santa Anita Subarea</u> None										
^{1/} Based on modification of Judgment dated March 26, 1984										

TABLE 4 A. LONG TERM STORAGE ACCOUNTS - MONK HILL SUBAREA
(acre feet)

Party Name	Storage @ 6/30/25	FY Activity	1% Loss	Storage @ 6/30/26	Maximum Storage	Exchanges	Adjusted Maximum Storage
Monk Hill Subarea							
La Canada ID	1,406.7	0.0	14.1	1,392.6	2,300.0	0.0	2,300.0
Las Flores WC	451.8	(267.6) ^{2/}	1.8	182.4	900.0	0.0	900.0
Lincoln Avenue WC	1,201.0	0.0	12.0	1,189.0	2,200.0	0.0	2,200.0
Pasadena Cemetery	290.6	0.0	2.9	287.7	300.0	0.0	300.0
Pasadena, City	13,133.3 ^{1/}	0.0	131.3	13,002.0	13,400.0	0.0	13,400.0
Rubio Canon LW	113.9	0.0	1.1	112.8	3,700.0	0.0	3,700.0
Valley WC	531.1	0.0	5.3	525.8	3,400.0	0.0	3,400.0
Monk Hill Total	17,128.4	(267.6)	168.5	16,692.3	26,200.0	0.0	26,200.0

1/ Pasadena, City - CSP water included in Long Term Storage Totals

2/ LTS Accounts frozen as of FY 23-24. Approved exemption for Las Flores Water Company for FY 25-26 and FY 26-27.

	CSP @		CSP @
Subarea	6/30/25	1% Loss	6/30/26
Monk Hill	2,198.4	(22.0)	2,176.4

TABLE 4 B. LONG TERM STORAGE ACCOUNTS - PASADENA SUBAREA
(acre feet)

Party Name	Capped Storage @ 6/30/25	FY Activity	1% Loss	Storage @ 6/30/26	Capped Storage @ 6/30/26
Pasadena Subarea					
Alhambra, City	3,302.4	0.0	33.0	3,269.4	3,269.4
Arcadia, City	830.5	0.0	8.3	822.2	822.2
Cal American WC	1,493.9	0.0	14.9	1,479.0	1,479.0
Huntington Library	218.3	0.0	2.2	216.1	216.1
Kinneloa ID	736.4	0.0	7.4	729.0	729.0
Pasadena, City ^{1/}	8,413.2	0.0	84.1	8,329.1	8,329.1
San Gabriel CWD	2,633.0	0.0	26.3	2,606.7	2,606.7
Sunny Slope WC	2,262.9	0.0	22.6	2,240.3	2,240.3
Pasadena Total	19,890.6	0.0	198.8	19,691.8	19,691.8
1/ Pasadena, City - CSP water excluded in Long Term Storage Totals 2/ LTS Accounts frozen as of FY 19-20.					
	Subarea	CSP @ 6/30/25	Less CSP Drawdown	1% Loss	CSP @ 6/30/26
	Pasadena	11,225.2	-	(112.3)	11,112.9

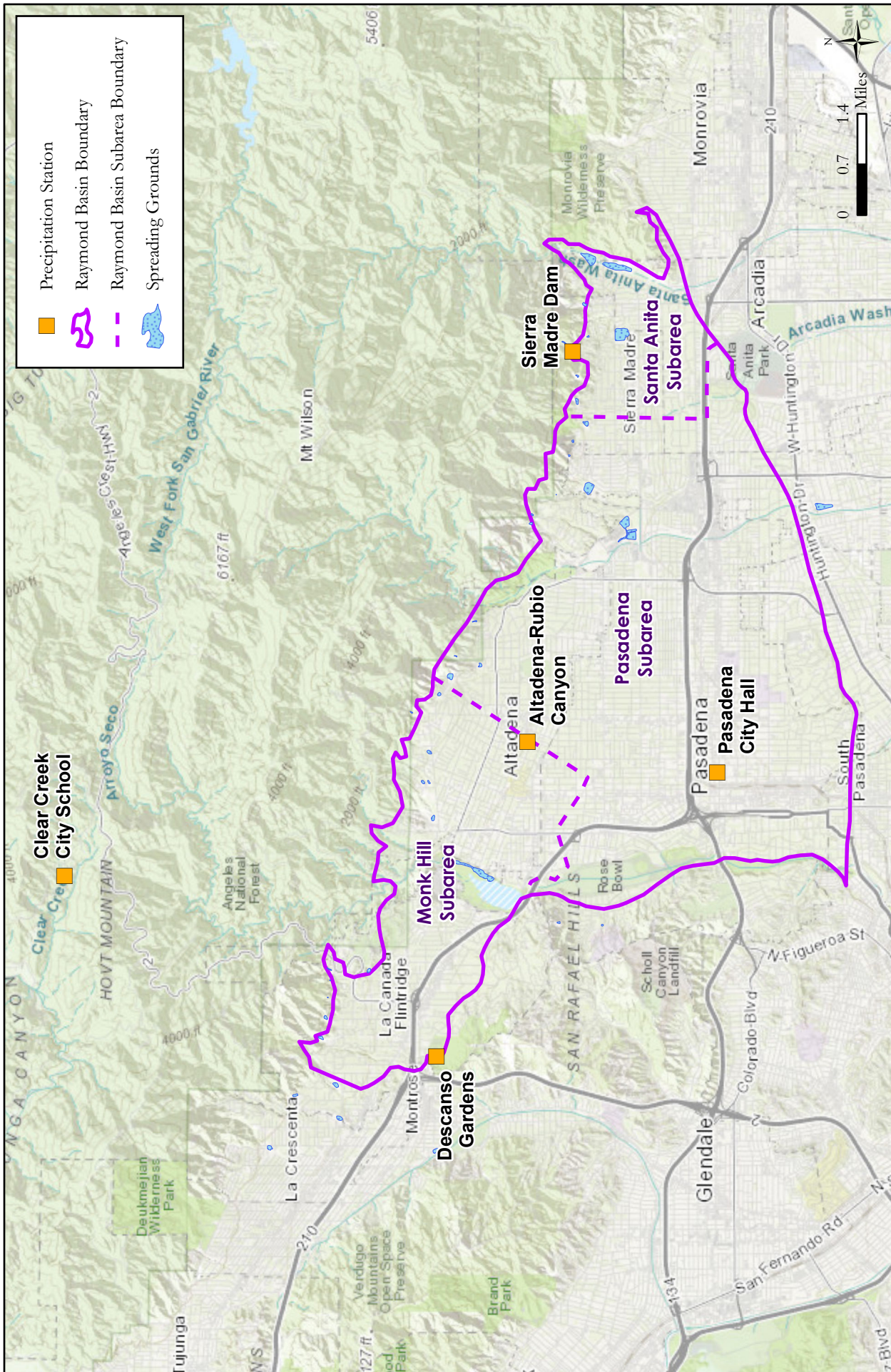
TABLE 4 C. SHORT TERM STORAGE ACCOUNTS - PASADENA SUBAREA
(acre feet)

Party Name	STS Account	STS Brought Forward @ 6/30/25 ^{1/}	Used @ 6/30/26	Loss @ 6/30/26 ^{2/}	Added @ 6/30/26	Storage @ 6/30/26 ^{3/}
Pasadena Subarea						
Alhambra, City	N	-	-	-	-	-
Arcadia, City	N	-	-	-	-	-
Cal American WC	Y	18.6	(18.6)	0.0	18.6	18.6
Huntington LAG	Y	172.3	(172.3)	0.0	232.7	232.7
Kinneloa ID	Y	283.5	(283.5)	0.0	248.4	248.4
Pasadena, City	N/A	-	-	-	-	-
San Gabriel CWD	N	-	-	-	-	-
Sunny Slope	N	-	-	-	-	-
Pasadena Subarea Total		474.4	(474.4)	0.0	499.7	499.7

1/ Short Term Storage Accounts approved by RBMB on 4/15/15

2/ STS is subject to the same restrictions as carryover and cannot be carried over for more than one fiscal year.

3/ Max Short Term Storage Capped @ 300 AF per Agency. Max is a combination of 10% carryover and Short Term Storage.



 	RAYMOND BASIN MANAGEMENT BOARD PRECIPITATION STATIONS	
FIGURE 2		

TABLE 5. PRECIPITATION
(inches)

Station ^{1/}	Station Location	Period of Record in Years			
			2024-25	2025-26	77-year Average ^{2/}
Altadena-Rubio Canyon (Station 176)	Monk Hill/Pasadena	105	11.35	27.05	20.89
Descanso Gardens (Station 1071B)	Monk Hill	77	9.03	24.29	21.21
Pasadena City Hall (Station 610B)	Pasadena	102	9.31	24.09	19.56
Sierra Madre Dam (Station 144) ^{3/}	Santa Anita	97	13.02	26.76	24.27
Average			10.68	25.55	21.48

^{1/} Obtained from LACDPW. Station locations shown on Figure 2.

^{2/} 1949-50 to 2025-26

^{3/} Data for July 2025 through June 2026 from Station 144 was unavailable. Therefore, Station 63C (Santa Anita Dam) was used for the months of July 2025 through April 2026. Data was unavailable for Station 63C for May through June 2026 and was estimated to be 0.

Rainfall in the Valley FY 2025-26

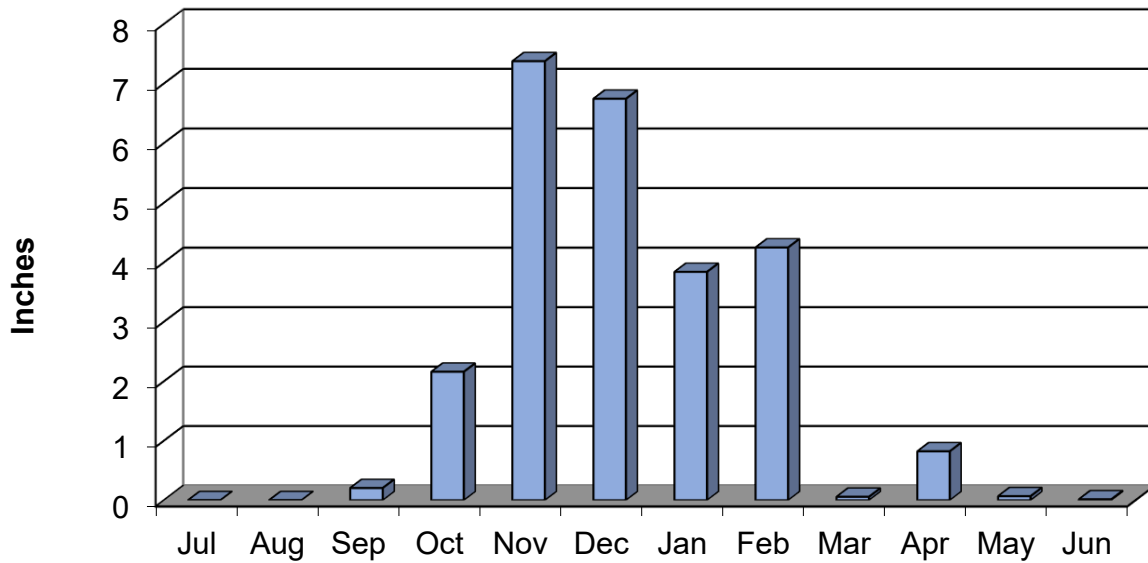


FIGURE 3A - AVERAGE RAINFALL ^{4/}

^{4/} Average of Stations 176, 1071B, 610B, and 144.

FIGURE 3B. HISTORICAL PRECIPITATION IN RAYMOND BASIN

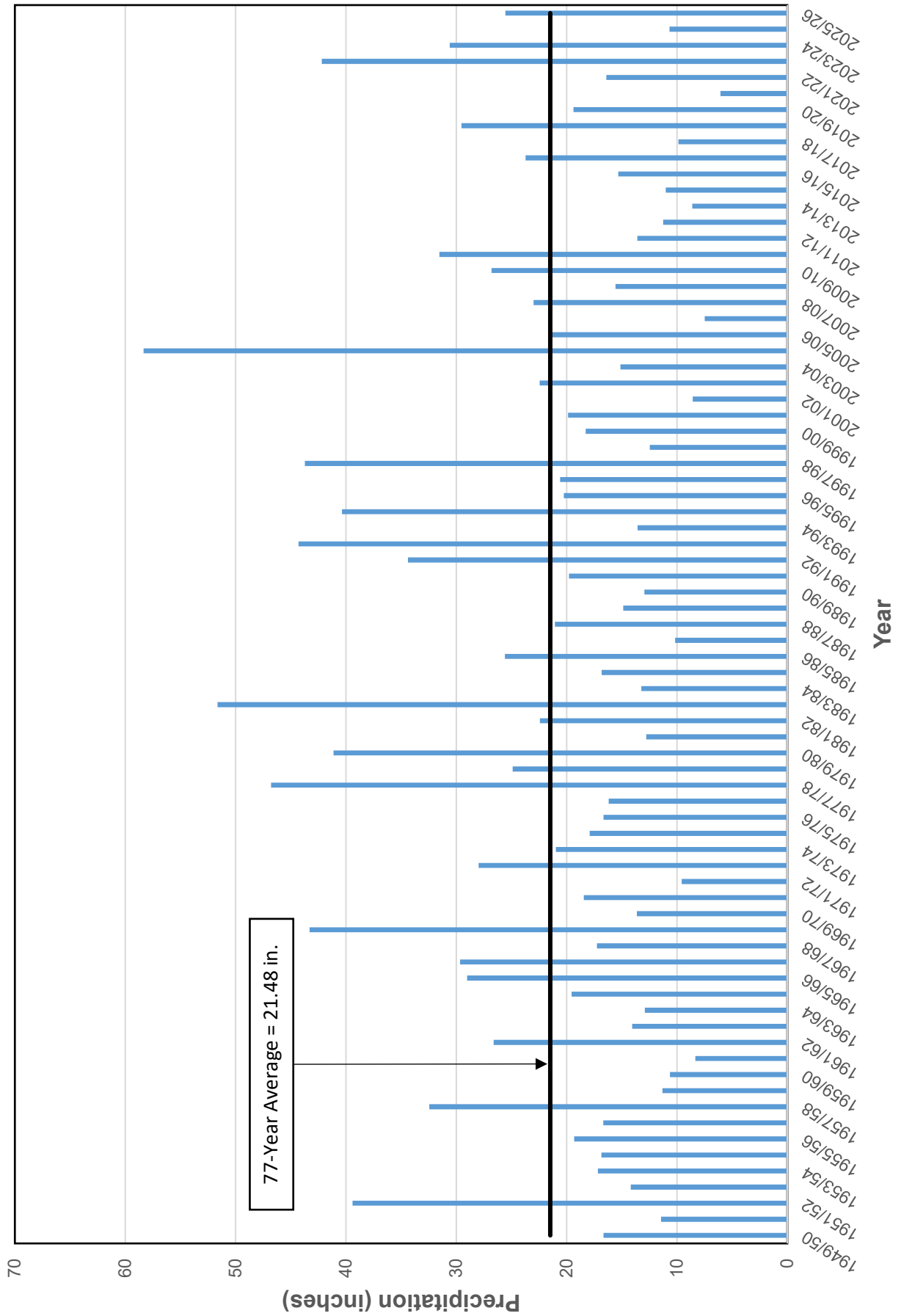


TABLE 6. WATER USE IN 2025-26
(acre feet)

Party	Ground Water Extractions (1)	Water Diversions To System ^{1/} (2)	Imported MWD/Other Water (3)	Water Exported From Basin (4)	Water Imported (Exported) Within Basin (5)	Total Water Use Within Basin (1+2+3+4+5)
Alhambra, City of	0.0	-	2,716.6	-	-	2,716.6
Arcadia, City of	2,728.3	-	0.0	-	-	2,728.3
California-American Water Company	70.3	-	850.4	0.0	-	920.7
H.E. Huntington Library & Art Gallery	270.5	-	-	-	-	270.5
Kinnetoa Irrigation District	615.2	0.0	-	-	-	615.2
La Canada Irrigation District	1.5	67.5	2,176.6	-	-	2,245.6
Las Flores Water Company	0.0	0.0	7.0	-	370.1	377.1
Lincoln Avenue Water Company	1,282.0	0.0	27.9	-	(370.1)	939.8
Pasadena Cemetery Association	0.0	-	-	-	-	0.0
Pasadena, City of	11,545.7	-	14,713.0	(374.1)	165.1	26,049.7
Rubio Canon Land & Water Association	959.6	137.6	0.0	-	-	1,097.2
San Gabriel County Water District	827.9	-	0.0	-	-	827.9
Sierra Madre, City of	2,283.5	0.0	1,405.7	-	-	3,689.2
Sunny Slope Water Company	1,000.1	-	2,232.5	(935.4)	-	2,297.2
Valley Water Company	598.1	-	2,649.8	-	-	3,247.9
Total	22,182.7	205.1	26,779.5	(1,309.5)	165.1	48,022.9

^{1/} Does not include surface water diversions for spreading credit.

^{2/} Lincoln Avenue WC delivered 370.1 AF of groundwater to Las Flores WC.

^{3/} San Gabriel Basin water.

FIGURE 4 - 2025-26 CLIMATIC CONDITIONS AND WATER USE

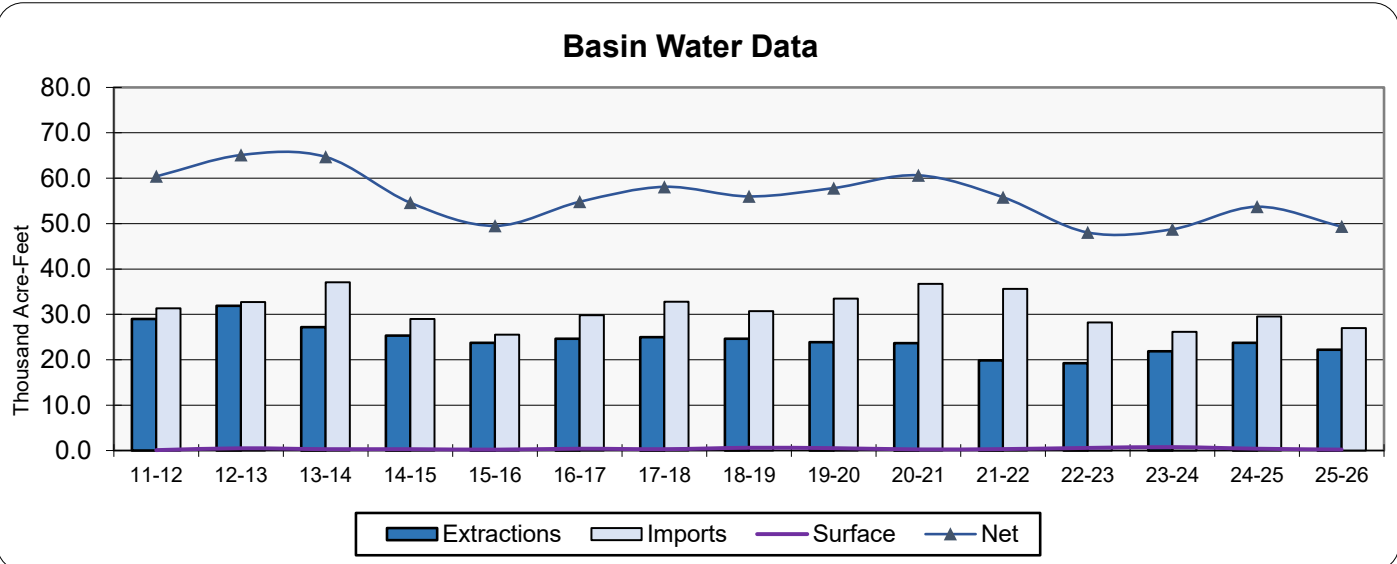
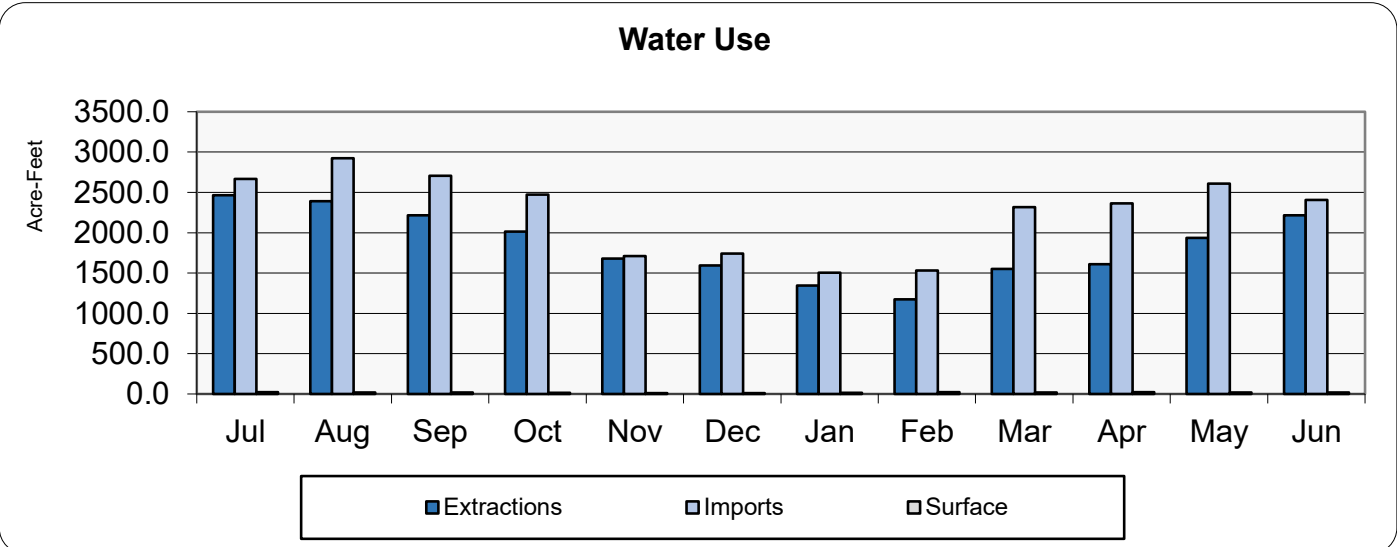
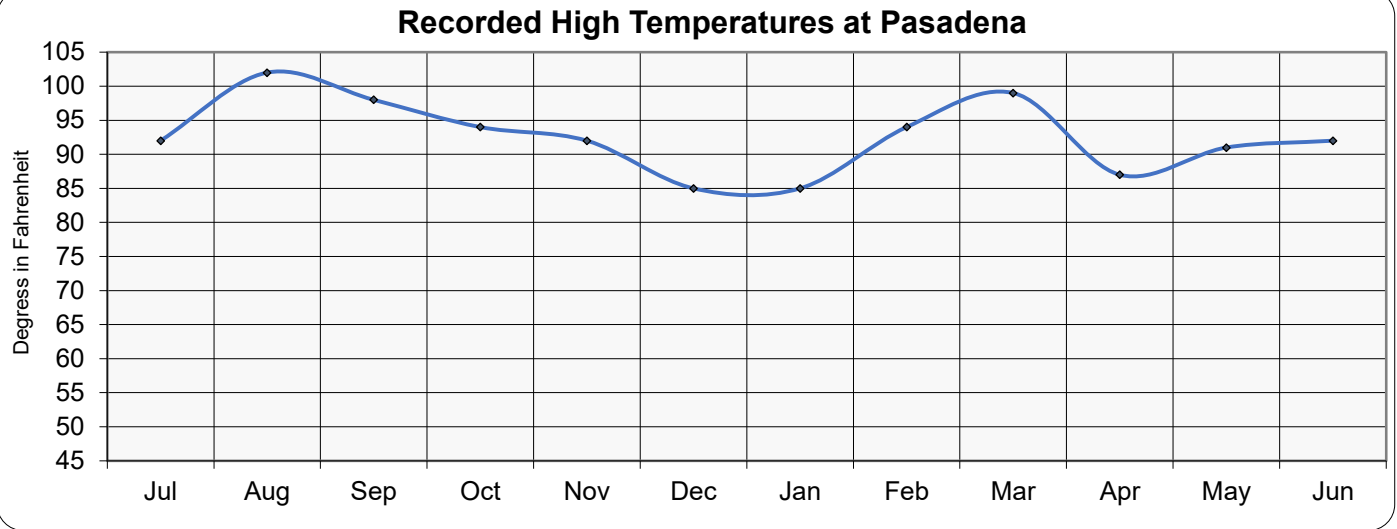


TABLE 7.

COMPARISON OF LONG-TERM AVERAGE ANNUAL EXTRACTIONS TO SAFE YIELD

(acre feet)

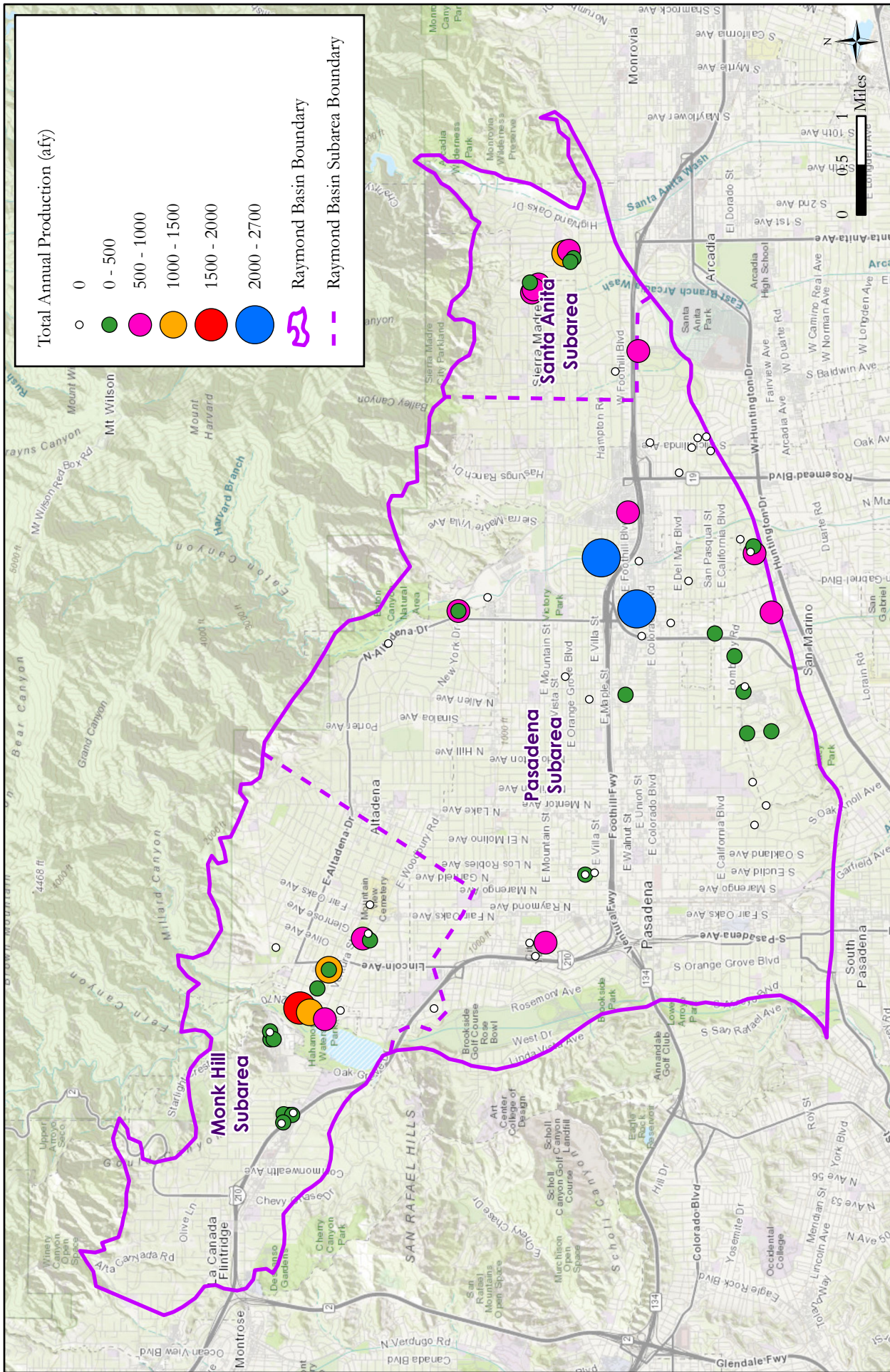
Year July 1 through June 30	Annual Extractions ^{1/}							
	Western Unit			Eastern Unit				Raymond Basin Area (3+4)
	Monk Hill Subarea	Pasadena Subarea	Subtotal (1+2)	Gross Pumped	Salvage Credit Pumped	Difference	Subtotal	
	(1)	(2)	(3)				(4)	(5)
1950-51	7,098	13,418	20,516	2,861	-	2,861	2,861	23,377
51-52	5,903	10,750	16,653	2,489	-	2,489	2,489	19,142
52-53	5,973	12,471	18,444	4,870	335	4,535	4,535	22,979
53-54	6,283	11,765	18,048	3,378	596	2,782	2,782	20,830
54-55	6,420	12,783	19,203	4,528	559	3,969	3,969	23,172
Average Annual Extractions	6,335	12,237	18,573	3,625			3,327	21,900
Safe Yield 1938 ^{2/}	6,039	11,621	17,660	3,791			3,791	21,451
Average Over/(Under) Extractions ^{3/}	296	616	913	(166)			(464)	449
1955-60	35,444	82,043	117,487	23,484	436	23,048	23,048	140,535
1960-65	37,356	89,193	126,549	20,483	2,952	17,532	17,532	144,081
1965-70	37,557	90,821	128,378	23,745	433	23,312	23,312	151,690
1970-75	41,206	87,783	128,990	28,539	1,310	27,228	27,228	156,218
1975-80	40,871	97,733	138,604	28,836	4,434	24,403	24,403	163,007
1980-85	45,697	96,417	142,114	31,553	6,076	25,478	25,478	167,592
1985-90	31,058	101,822	132,880	33,170	6,057	27,113	27,113	159,994
1990-95	37,155	72,509	109,663	31,732	4,752	26,980	26,980	136,643
95-2000	54,452	108,960	163,412	33,482	7,500	25,982	25,982	189,394
2000-05	29,375	97,030	126,405	29,516	4,223	25,293	25,293	151,698
2005-10	25,775	93,895	119,670	31,525	7,638	23,888	23,888	143,557
2010-15	41,971	76,168	118,139	20,783	2,820	17,963	17,963	136,102
2015-20	35,884	65,557	101,441	20,319	0	20,319	20,319	121,760
2020-21	8,527	10,456	18,982	4,688	0	4,688	4,688	23,670
2021-22	5,540	9,727	15,267	4,594	0	4,594	4,594	19,861
2022-23	6,486	9,036	15,522	3,724	0	3,724	3,724	19,245
2023-24	7,065	10,584	17,648	4,208	0	4,208	4,208	21,856
2024-25	6,688	12,346	19,034	4,729	0	4,729	4,729	23,762
2020-25	34,305	52,149	86,453	21,942	0	21,942	21,942	108,395
2025-26	6,948	10,969	17,916	4,267	0	4,267	4,267	22,183
Average Annual Extractions	7,536	17,226	24,762	5,400	685	4,715	4,629	29,391
Safe Yield ^{4/}	7,489	17,843	25,332	5,290			5,290	30,622
Average Over/(Under) Extractions ^{3/}	47	(617)	(570)	110			(661)	(1,231)

1/ Includes spreading water pumped in Western Unit and excludes salvage credit water pumped by City of Sierra Madre. Annual extractions are rounded to the nearest whole number. See Appendix D for detailed annual activity.

2/ Non-party pumping not included during the period 1944-45 through 1954-55

3/ Extractions greater than safe yield: (positive); extractions less than safe yield: (negative).

4/ Effective 1955-56 through present and excludes non-party pumping.



FY 2025-2026

TOTAL ANNUAL GROUNDWATER EXTRACTION

FIGURE 5

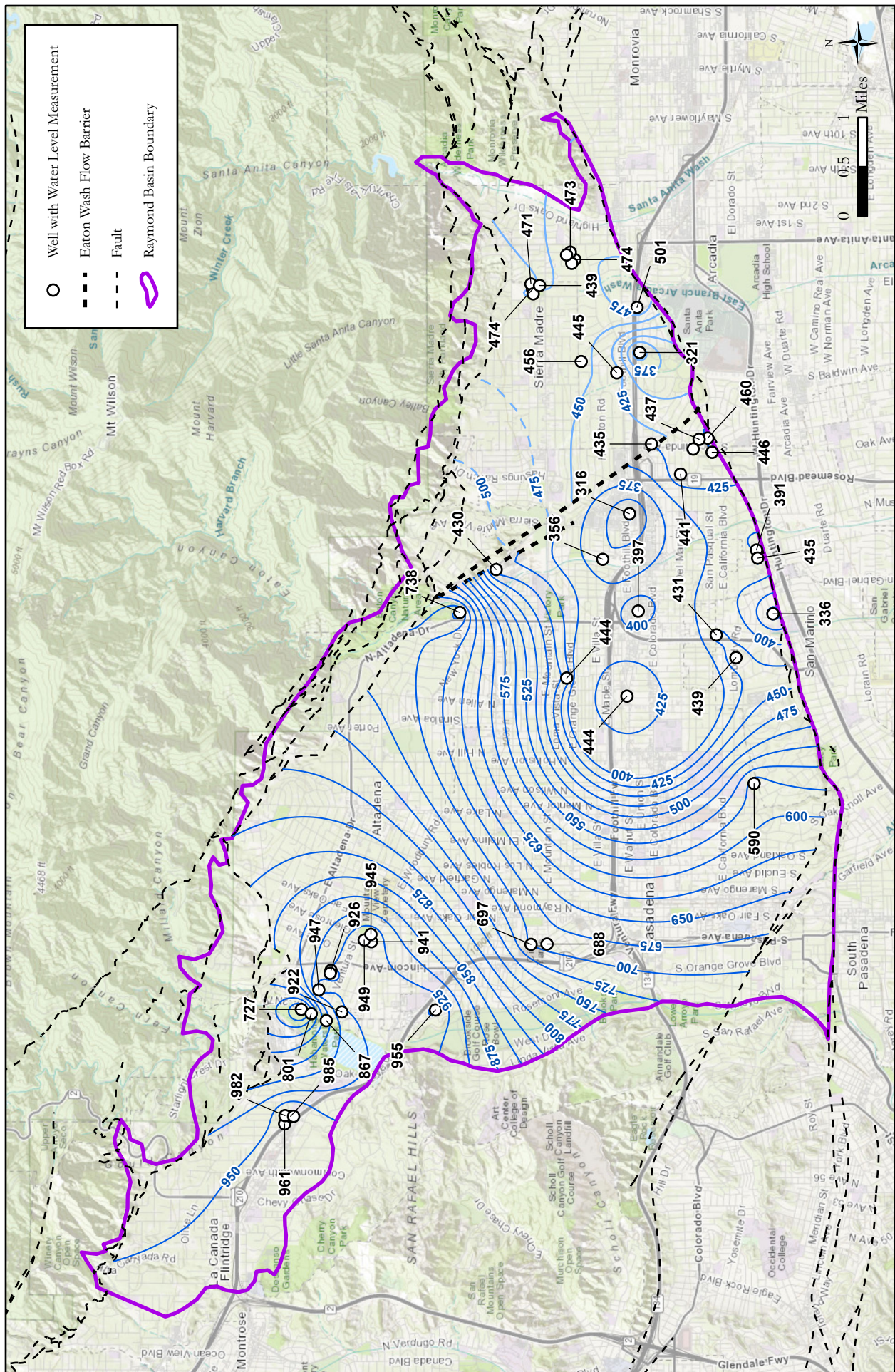


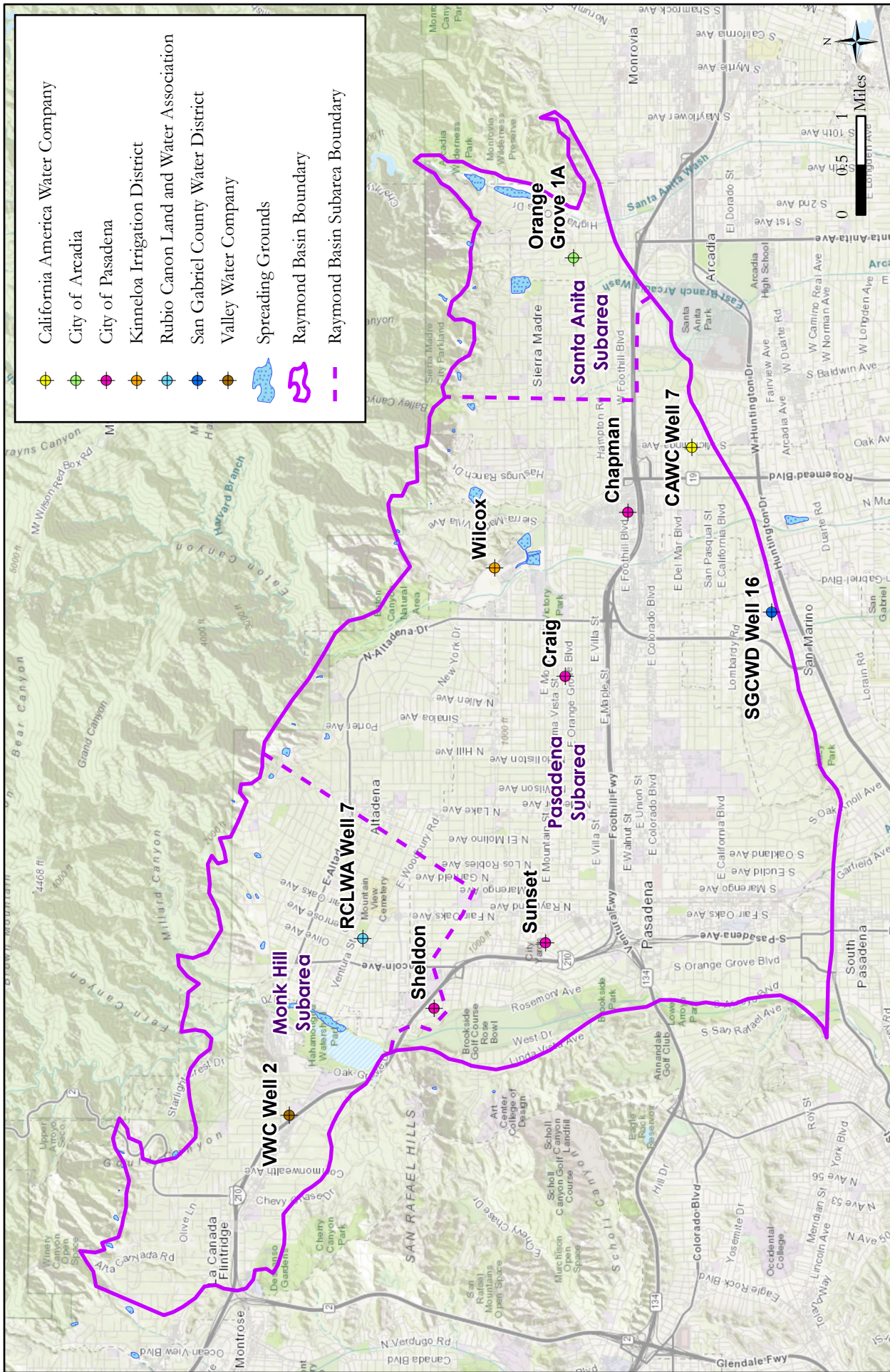
TABLE 8. GROUNDWATER LEVEL ELEVATIONS AT REPRESENTATIVE WELLS
(feet)

Subarea	Owner Key Well Name (Surface Elevation in feet)	Groundwater Level Elevations (feet above sea level)			
		October 2024	April 2025	October 2025	April 2026
Monk Hill					
Pasadena					
West Central	City of Pasadena Sheldon (1,048.9)	960	960	956	967
Northeast	City of Pasadena Sunset ¹ (934.4)	685	689	686	693
East Central	Kinneloa Irrigation District Wilcox (874.9)	422	430	425	433
South Central	Cal-American Water Company Winston (682.6)	424	426	432	434
Southeast	City of Alhambra No. 2 (701.9)	637	638	638	640
Santa Anita	Cal-American Water Company Well No. 7 ² (601.2)	436	437	439	441
	City of Arcadia Orange Grove No. 1A (604.4)	496	483	482	508

nm: no measurement

¹ Copelin destroyed; permit no. RB015-DW-012021; Sunset designated as replacement well October 2021.

² Well No. 7, prev. owned by East Pasadena Water Company; purchased by Cal-American Water Company in September 2021



**LOCATION OF WELLS
USED TO GENERATE HYDROGRAPHS**

FIGURE 9

FIGURE 10a - FLUCTUATION OF WATER LEVELS AT WELLS IN THE PASADENA SUBAREA

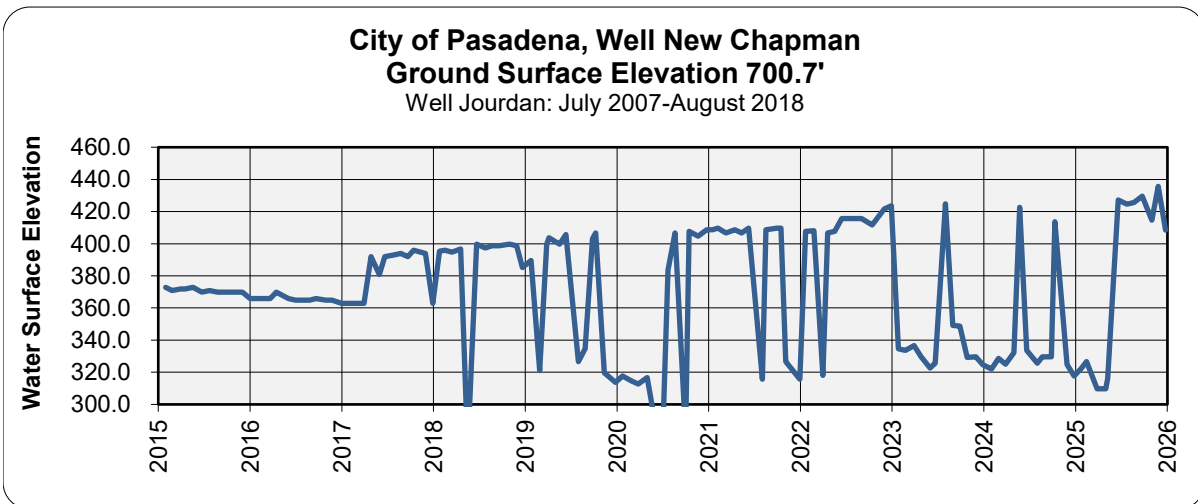
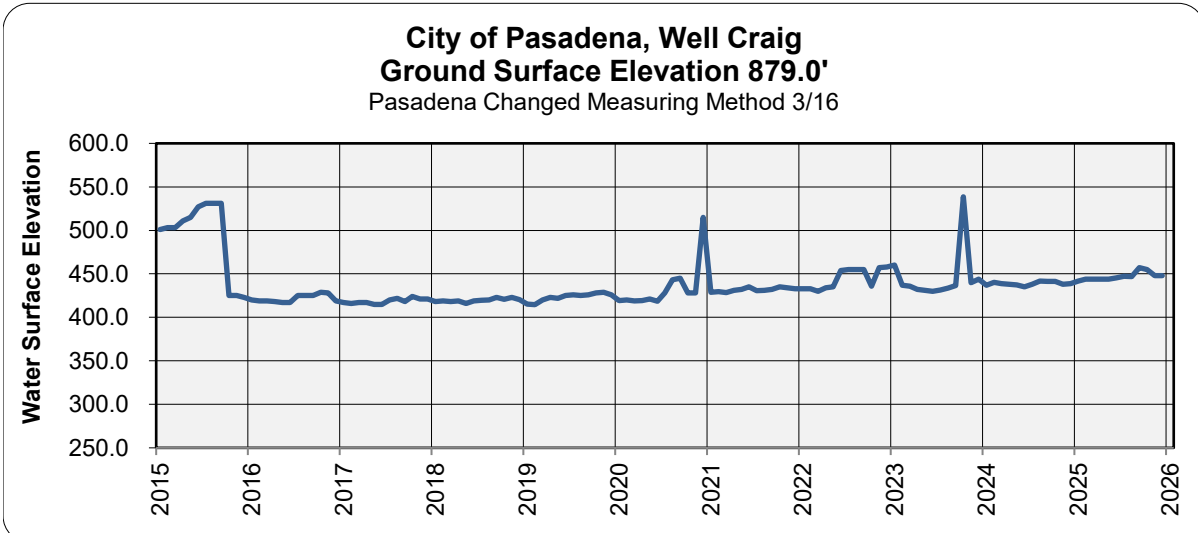
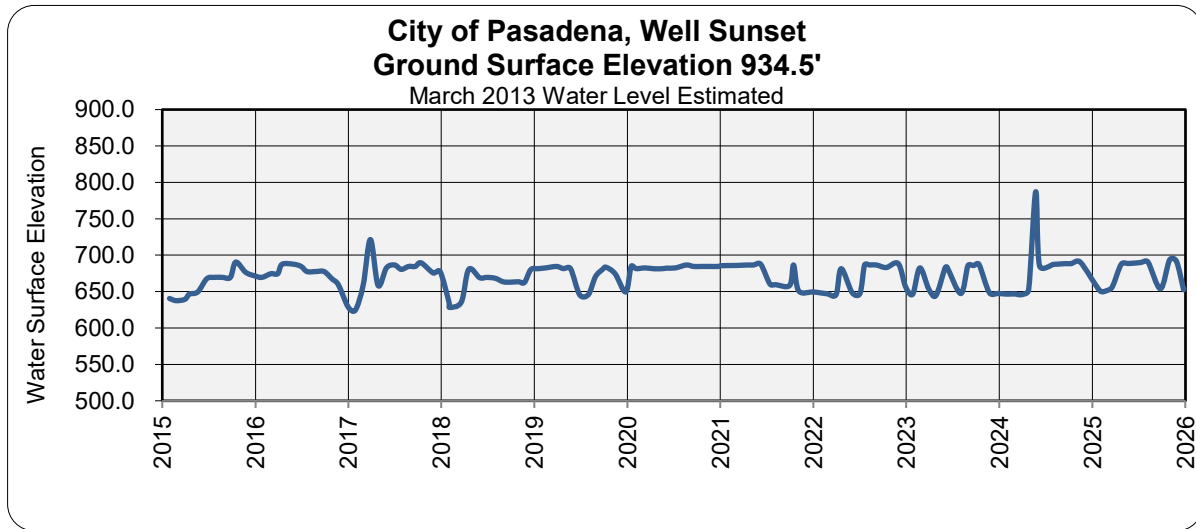


FIGURE 10b - FLUCTUATION OF WATER LEVELS AT WELLS IN THE PASADENA SUBAREA

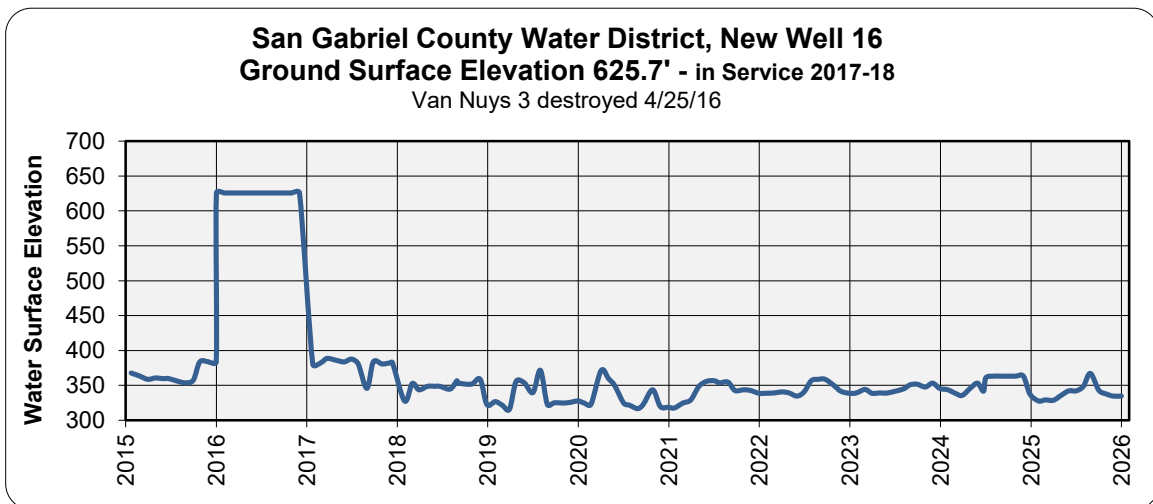
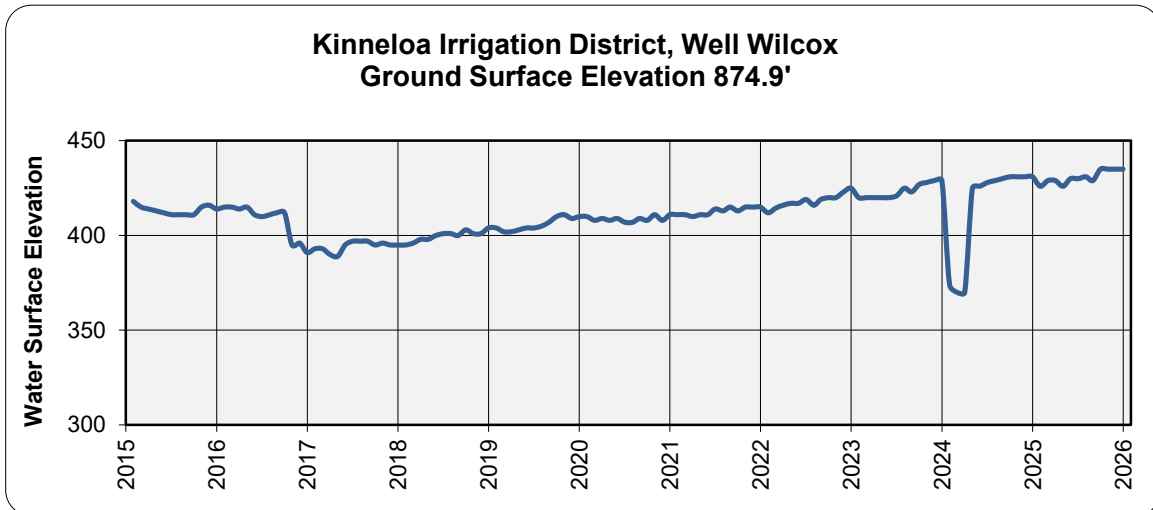
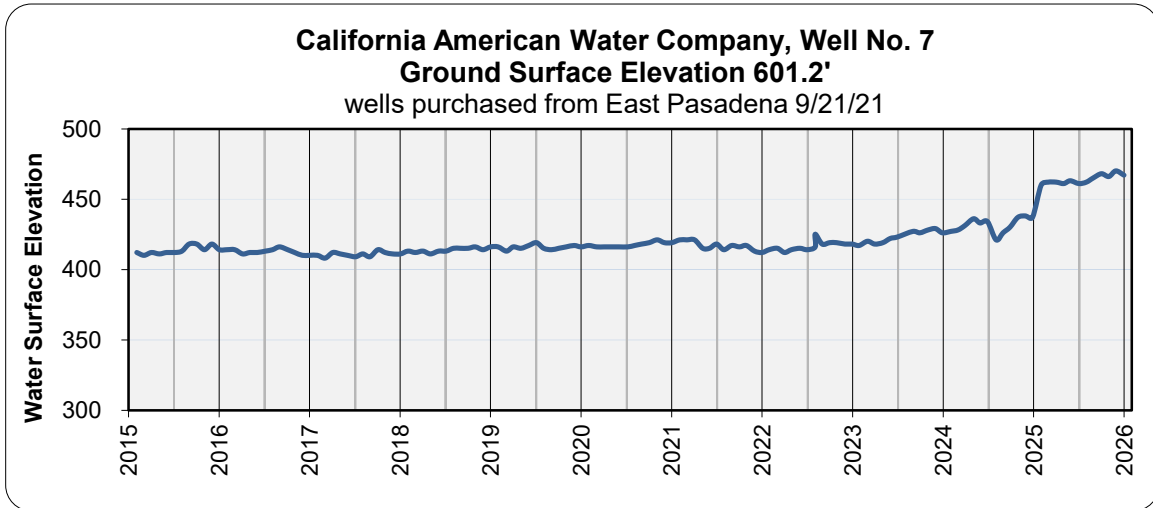


FIGURE 11 - FLUCTUATION OF WATER LEVELS AT WELLS IN THE SANTA ANITA SUBAREA

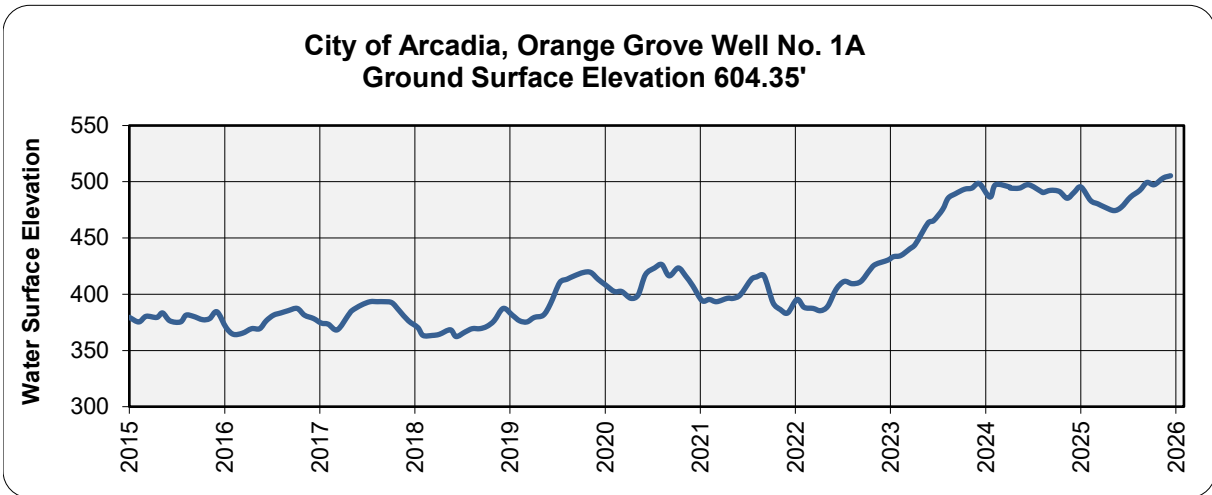


FIGURE 12 - FLUCTUATION OF WATER LEVELS AT WELLS IN THE MONK HILL SUBAREA

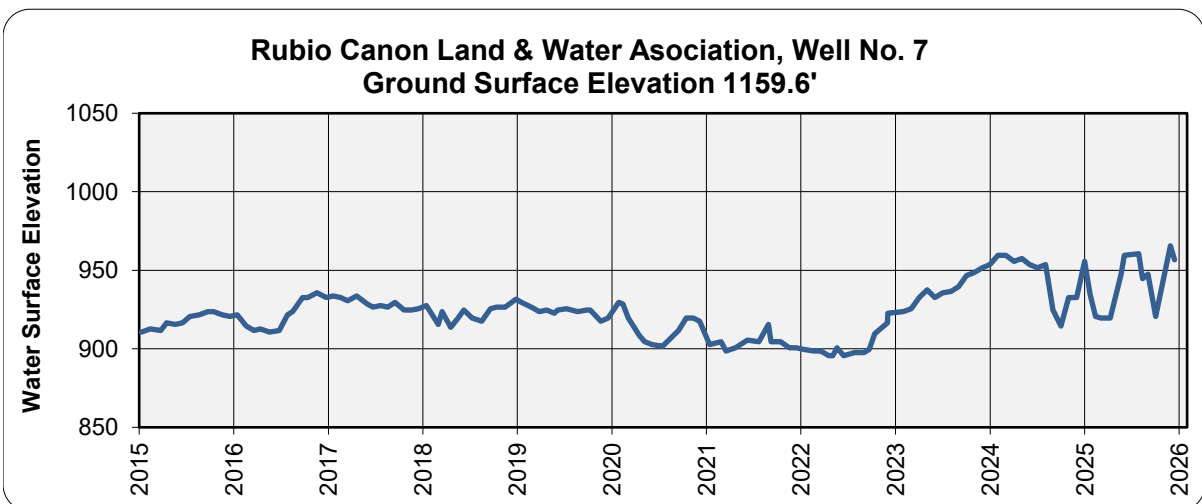
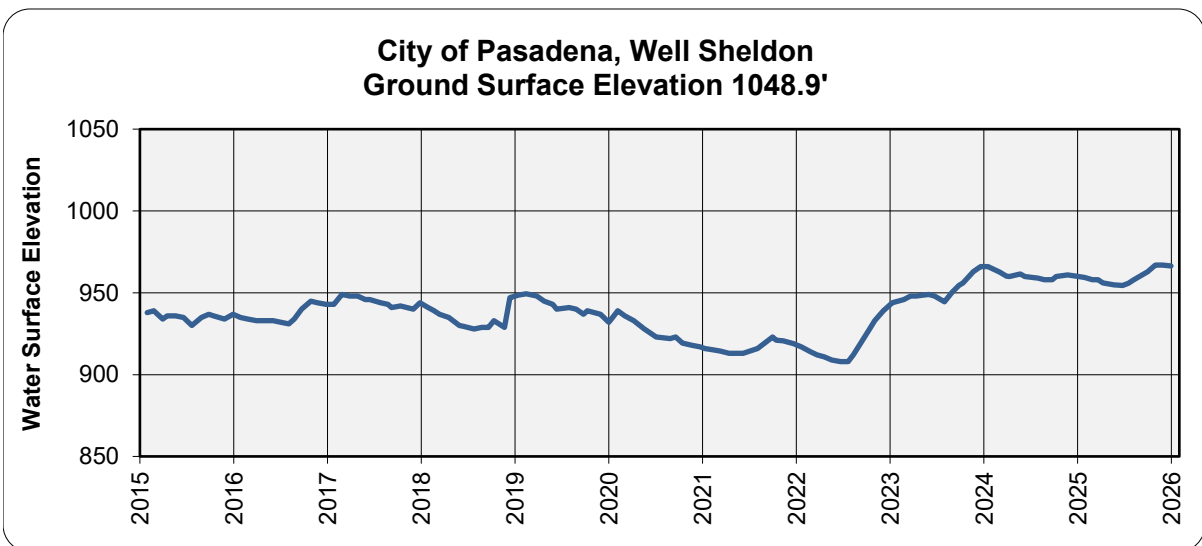
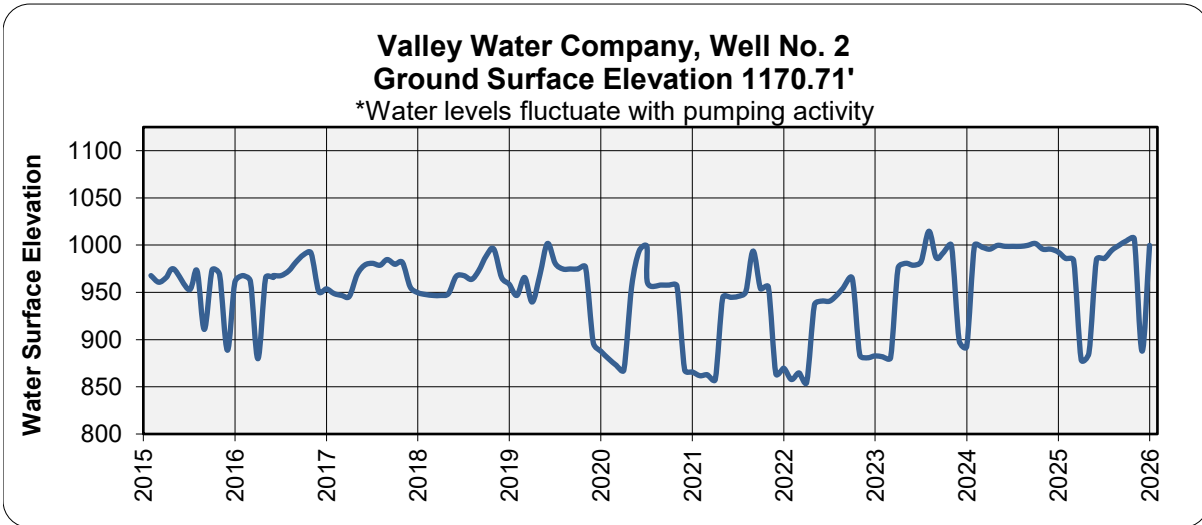


TABLE 9. CREDIT FOR WATER SPREAD CITY OF SIERRA MADRE
(acre feet)

Season	(1) Salvage Water at Beginning of Year	Water Spread for Salvage			(5) Salvage Water Lost to Subsurface Outflow	(6) Salvage Water Extracted	(7) Salvage Water at End of Year (1)+(4)-(5)-(6)
		(2) Amount	(3) Lost Through Natural Percolation	(4) Water Stored (2)-(3)			
1952-53	836.3	258.0	94.6	163.4	243.1	334.9	421.7
53-54	421.7	580.0	4.6	575.4	115.4	596.1	285.6
54-55	285.6	341.0	21.5	319.5	15.1	559.1	30.9
55-56	30.9	429.0	90.9	338.1	9.6	128.0	231.4
56-57	231.4	331.0	167.1	163.9	42.1	62.0	291.2
57-58	291.2	3,409.0	811.9	2,597.1	278.8	0.0	2,609.5
58-59	2,609.5	1,308.0	521.0	787.0	945.1	37.5	2,413.9
59-60	2,413.9	45.0	10.4	34.6	705.6	208.2	1,534.7
1960-61	1,534.7	51.0	16.0	35.0	214.1	1,116.3	239.3
61-62	239.3	1,283.0	445.6	837.4	43.1	292.8	740.8
62-63	740.8	1,121.0	544.4	576.6	241.7	253.9	821.8
63-64	821.8	699.0	164.4	534.6	180.2	451.3	724.9
64-65	724.9	904.0	208.6	695.4	142.8	837.3	440.2
65-66	440.2	4,233.0	979.0	3,254.0	533.5	433.1	2,727.6
66-67	2,727.6	4,537.0	945.1	3,591.9	1,110.9	0.0	5,208.6
67-68	5,208.6	2,625.0	1,069.2	1,555.8	1,663.1	0.0	5,101.3
68-69	5,101.3	2,984.0	371.1	2,612.9	1,532.3	0.0	6,181.9
69-70	6,181.1	1,529.3	932.2	597.1	1,495.5	0.0	5,282.7
1970-71	5,282.7	1,145.3	369.7	775.6	1,285.7	0.0	4,772.6
71-72	4,772.6	1,014.4	311.5	702.9	1,518.3	0.0	3,957.2
72-73	3,957.2	3,204.0	824.5	2,379.5	815.1	84.7	5,436.9
73-74	5,436.9	3,029.1	891.9	2,137.2	1,603.7	64.7	5,905.7
74-75	5,905.7	2,244.0	927.8	1,316.2	1,744.1	1,161.0	4,316.8
75-76	4,316.8	1,029.8	387.3	642.5	1,299.5	784.0	2,875.8
76-77	2,875.8	1,106.6	427.4	679.2	863.9	124.6	2,566.5
77-78	2,566.5	3,974.7	463.8	3,510.9	937.3	1,033.1	4,107.0
78-79	4,107.0	4,473.0	1,475.7	2,997.3	1,541.7	894.7	4,667.9
79-80	4,667.9	3,636.3	717.7	2,918.6	971.8	1,597.2	5,017.5
1980-81	5,017.5	2,271.8	1,055.2	1,216.6	1,288.9	2,068.1	2,877.1
81-82	2,877.1	2,004.5	764.4	1,240.1	968.0	197.9	2,951.3
82-83	2,951.3	3,509.4	690.0	2,819.4	1,206.2	0.0	4,564.5
83-84	4,564.5	2,970.8	1,297.9	1,672.9	1,338.7	1,912.2	2,986.5
84-85	2,986.5	1,519.1	503.7	1,015.4	723.7	1,897.7	1,380.5
85-86	1,380.5	3,402.6	974.0	2,428.6	293.6	2,385.8	1,129.7
86-87	1,129.7	969.3	335.2	634.1	258.3	1,505.5	0.0
87-88	0.0	1,756.2	566.9	1,189.3	28.8	772.4	388.1
88-89	388.1	1,458.2	610.4	847.8	103.8	930.2	201.9
89-90	201.9	574.3	279.6	294.7	34.0	462.6	0.0

continued on following page

Season	(1) Salvage Water at Beginning of Year	Water Spread for Salvage			(5) Salvage Water Lost to Subsurface Outflow	(6) Salvage Water Extracted	(7) Salvage Water at End of Year (1)+(4)-(5)-(6)
		(2) Amount	(3) Lost Through Natural Percolation	(4) Water Stored (2)-(3)			
1990-91	0.0	1,542.1	575.0	967.1	0.0	755.4	211.7
91-92	211.7	3,100.7	680.1	2,420.6	0.0	247.6	2,384.7
92-93	2,384.7	3,150.6	487.9	2,662.7	473.0	129.3	4,445.1
93-94	4,445.1	2,113.2	747.2	1,366.0	1,262.7	1,919.1	2,629.3
94-95	2,629.3	4,221.4	706.6	3,514.8	532.2	1,700.3	3,911.6
95-96	3,911.6	3,697.8	1,252.2	2,445.6	1,482.8	505.0	4,369.4
96-97	4,369.4	2,371.7	735.9	1,635.8	1,010.1	2,489.2	2,505.9
97-98	2,505.9	3,424.0	435.1	2,988.9	214.3	984.3	4,296.2
98-99	4,296.2	2,874.9	922.5	1,952.4	590.5	2,038.1	3,620.0
99-00	3,620.0	1,195.0	304.7	890.3	740.6	1,483.1	2,286.6
2000-01	2,286.6	1,513.5	424.0	1,089.5	440.5	1,041.5	1,894.1
01-02	1,894.1	294.8	14.7	280.1	0.0	1,205.3	968.9
02-03	968.9	1,444.7	500.3	944.4	0.0	231.3	1,682.0
03-04 ^{1/}	1,682.0	751.7	124.1	627.6	0.0	1,465.6	844.0
04-05	844.0	5,612.7	1,070.2	4,542.5	282.2	279.1	4,825.2
05-06	4,825.2	2,932.7	603.1	2,329.6	385.7	1,637.8	5,131.3
06-07	5,131.3	745.5	211.0	534.4	0.0	2,653.8	3,011.9
07-08	3,011.9	1,761.1	260.6	1,500.5	0.0	1,395.9	3,116.5
08-09	3,116.5	1,585.2	217.7	1,367.5	0.0	1,189.6	3,294.5
09-10	3,294.5	2,535.1	696.4	1,838.7	0.0	760.4	4,372.8
2010-11	4,372.8	3,086.9	771.4	2,315.5	0.0	424.6	6,263.7
11-12	6,263.7	1,276.7	637.2	639.5	0.0	644.1	6,259.1
12-13	6,259.1	326.8	125.6	201.2	0.0	1,751.4	4,708.9
13-14	4,708.9	456.6	197.5	259.2	0.0	0.0	4,968.1
14-15	4,968.1	391.9	144.0	247.9	0.0	0.0	5,216.0
15-16	5,216.0	677.4	263.5	413.9	0.0	0.0	5,629.9
16-17	5,629.9	1,630.1	676.2	953.9	0.0	0.0	6,583.8
17-18	6,583.8	641.3	275.2	366.1	0.0	0.0	6,949.9
18-19	6,949.9	1,996.7	437.0	1,559.7	0.0	0.0	8,509.6
19-20	8,509.6	1,382.6	387.2	995.4	0.0	0.0	9,505.0
2020-21	9,505.0	459.1	148.6	310.5	0.0	0.0	9,815.5
21-22	9,815.5	506.2	180.9	325.2	0.0	0.0	10,140.7
22-23	10,140.7	4,124.1	728.2	3,395.9	0.0	0.0	13,536.6
23-24	13,536.6	3,165.2	862.3	2,302.9	1,689.5	0.0	14,150.0
24-25	14,150.0	1,302.4	782.6	519.8	413.7	0.0	14,256.1
25-26	14,256.1	1,472.6	258.1	1,214.5	0.0	0.0	15,470.6

1/ Adjustment to 2003-04 End of Year Salvage

TABLE 10. TRANSFERS OR LEASES OF DECREEED RIGHT
(acre-feet)

Lease No.	Lease Date	Leasor	Leasee	Acre-Feet
LFWC-LAWC-071526	12/3/2025 ^{1/}	Las Flores W.C.	Lincoln Avenue W.C.	134.0
RCLWA-LAWC-071526	12/11/2025 ^{2/}	Rubio Canon Land & Water Assoc.	Lincoln Avenue W.C.	0.0
ALH-HUNT-071526	5/26/2026	City of Alhambra	H. E. Huntington Library & Art Gallery	100.0
PAS-VWC-071526	6/23/2026	City of Pasadena	Valley Water Company	27.2
CEMETERY-LAWC-071526	6/26/2026	Pasadena Cemetery Assoc.	Lincoln Avenue W.C.	69.2

LONG TERM STORAGE SPACE EXCHANGES
(acre-feet)

Lease No.	Leasor	Leasee	Lease Period	Acre-Feet
<u>Pasadena Subarea</u>				
<u>Monk Hill Subarea</u>				

1/ Original acknowledgement took place January 21, 2026 for the temporary transfer of 189.2 acre-feet of Decreed Right from Las Flores WC. to Lincoln Avenue WC. Request to modify reducing the temporary transfer to 134.0 acre-feet of Decreed Right acknowledged July 15, 2026.

2/ Original acknowledgement took place January 21, 2026 for the temporary transfer of 118.0 acre-feet of Decreed Right from Rubio Canon Land and Water Assoc. to Lincoln Avenue WC. Request to withdraw the temporary transfer acknowledged July 15, 2026.

TABLE 11. APPORTIONMENT OF BUDGET AMONG PARTIES
FISCAL YEAR ENDING JUNE 30, 2026

Party	Part A			Part B			Part C		Total Cost (3)+(6)+(7) (8)
	Acre Feet Decreed Right 1955 (1)	DWR Services Apportionment		Acre Feet Divisions 2023-24 (4)	Spreading Program Apportionment		Other Administration \$ (7)		
		% (2)	\$ (3)		% (5)	\$ (6)			
Alhambra, City of Arcadia, City of California-American Water Co.	1,031	3.4%	\$ 238				\$ 36,066	\$ 36,304	
	5,644	18.4%	\$ 1,288				\$ 195,182	\$ 196,470	
	2,814	9.2%	\$ 644				\$ 97,590	\$ 98,234	
The Huntington Library and Art Gallery Kinneloa Irrigation District La Canada Irrigation District Las Flores Water Company	372	1.2%	\$ 84				\$ 12,729	\$ 12,813	
	516	1.7%	\$ 119	485.1	5.1%	\$ 204	\$ 18,032	\$ 18,355	
	100	0.3%	\$ 21				\$ 3,183	\$ 3,204	
Lincoln Avenue Water Company Pasadena Cemetery Association Pasadena, City of Rubio Canon L&W Assoc.	249	0.8%	\$ 56	121.5	1.3%	\$ 52	\$ 8,485	\$ 8,593	
	567	1.8%	\$ 126	585.8	6.2%	\$ 248	\$ 19,094	\$ 19,468	
	91	0.3%	\$ 21				\$ 3,183	\$ 3,204	
San Gabriel County Water Dist. Sierra Madre, City of Sunny Slope Water Company Valley Water Company	12,807	41.8%	\$ 2,926	8,120.8	85.5%	\$ 3,420	\$ 443,403	\$ 449,749	
	1,221	4.0%	\$ 280	177.0	1.9%	\$ 76	\$ 42,431	\$ 42,787	
	1,091	3.6%	\$ 252				\$ 38,188	\$ 38,440	
	1,764	5.8%	\$ 406				\$ 61,525	\$ 61,931	
	1,558	5.1%	\$ 357				\$ 54,099	\$ 54,456	
	797	2.6%	\$ 182				\$ 27,580	\$ 27,762	
	30,622	100.0%	\$ 7,000	9,490.2	100.0%	\$ 4,000	\$ 1,060,770	\$ 1,071,770	

TABLE 12. STATEMENT OF 2025-26 INCOME AND EXPENDITURES

	Budget	Actual	Variance
Retained Earnings - June 30, 2025	\$ 4,466,276	\$ 4,388,748	\$ (77,528)
Revenue			
Assessments:			
DWR Service Assess - Part A	7,000	7,000	-
Spreading Program - Part B	4,000	4,000	-
Administrative Assess - Part C	1,060,770	1,060,770	-
Assessment Penalties	-	3,627	3,627
Title 22 Program	38,000	72,443	34,443
Salvage Credit Reimbursement	2,000	2,552	552
Monk Hill Subarea In-Lieu Program Income	52,327	52,327	-
Staff Reports for Wells Income	-	1,756	1,756
Refund of PY Program Cost	-	67,818	67,818
Interest and Other Income	100,000	216,321	116,321
Total Revenue	\$ 1,264,097	\$ 1,488,614	\$ 224,517
Expense:			
DWR Administration	\$ 7,000	\$ 12,090	\$ (5,090)
MSGBW Administration	294,298	294,298	-
Office Expense	6,000	1,324	4,676
Professional Services	5,000	4,350	650
General Engineering	140,000	85,720	54,280
Staff Reports for Wells	10,000	-	10,000
Raymond Basin 3D Model	100,000	131,031	(31,031)
FWC - Basin Contribution	1,000	-	1,000
Monk Hill Study	25,000	5,304	19,696
Federal Grant Match	170,000	-	170,000
Monitoring Well Design	20,000	-	20,000
Monitoring Well Construction	203,000	-	203,000
Salt & Nutrient Mgmt Plan	5,000	1,291	3,709
S.A. Subarea Engineering	50,000	55,678	(5,678)
Pasadena Subarea Study	25,000	828	24,172
Legal Fees	10,000	2,742	7,258
Legislative Advocacy	40,000	36,000	4,000
Grant Support	10,000	-	10,000
Meeting & Travel	6,000	5,514	486
Strategic Planning	10,000	-	10,000
Mapping/GIS/Data Management	5,000	-	5,000
Annual Report Expense	15,000	14,628	372
Audit Expense	4,200	4,120	80
Membership Dues	7,000	6,086	914
Title 22 Program Expense	43,000	76,523	(33,523)
Spreading Program	4,000	5,591	(1,591)
Sierra Madre Salvage Credit Expense	2,000	2,552	(552)
Contingency	10,000	-	10,000
Total Expense	\$ 1,227,498	\$ 745,670	\$ 481,828
Retained Earnings - June 30, 2026	\$ 4,502,875	\$ 5,131,692	\$ 628,817

TABLE 13. METER TESTING PROGRAM FOR FY 2025-26

PARTY	SUBAREA	OWNER DESIGNATION	TEST DATE	METER ERROR	SERIAL NUMBER	STATUS
Arcadia, City of	Pasadena	COLORADO	10/28/2025	-0.8%	200-90854-06	Active
Arcadia, City of	Santa Anita	ORANGE GROVE 1A	10/28/2025	-1.0%	97-3802-12	Active
Arcadia, City of	Santa Anita	ORANGE GROVE 2A	10/28/2025	-0.6%	20012956-12	Active
Arcadia, City of	Santa Anita	ORANGE GROVE 5A	10/28/2025	-1.1%	973800-08	Active
Arcadia, City of	Santa Anita	ORANGE GROVE 6	10/28/2025	-0.6%	20012209-12	Active
H.E. Huntington Library & Art Gallery	Pasadena	BUDDY MOSS	5/20/2026	-0.6%	16-10192-08	Active
H.E. Huntington Library & Art Gallery	Pasadena	ROSCOE MOSS	5/20/2026	1.7%	00-09437-06	Active
H.E. Huntington Library & Art Gallery	Pasadena	CANYON	5/20/2026	-1.5%	20023828-10	Active
Kinneloa Irrigation District	Pasadena	K-3	1/9/2026	0.0%	20013275-06	Active
Kinneloa Irrigation District	Pasadena	WILCOX	1/9/2026	-0.3%	20170593-06	Active
La Canada Irrigation District	Monk Hill	WELL NO. 6	6/23/2026	-1.0%	96-09359-08	Active
Las Encinas Hospital	Pasadena	WELL NO. 1	6/3/2026	0.5%	8108124	Active
Lincoln Avenue Water Company	Monk Hill	WELL NO. 3	6/3/2026	0.7%	07-05308-10	Active
Lincoln Avenue Water Company	Monk Hill	WELL NO. 5	6/3/2026	-0.1%	05-05107-10	Active
Lincoln Avenue Water Company	Monk Hill	WELL NO. 6 ^{1/}	6/3/2026	0.1%	16-05947-12	Active
Pasadena, City of	Monk Hill	ARROYO	1/26/2026	1.1%	M148393810/M230683921	Active
Pasadena, City of	Monk Hill	PASA 52	1/26/2026	0.0%	M148403810	Active
Pasadena, City of	Monk Hill	VENTURA	1/26/2026	0.4%	UP23-1411/E23-07786	Active
Pasadena, City of	Pasadena	NEW CHAPMAN	2/17/2026	1.0%	M099255005	Active
Pasadena, City of	Pasadena	NEW CHAPMAN - WASTE	2/17/2026	0.2%	20231246-12/E23-05998	Active
Pasadena, City of	Pasadena	PARKE	1/27/2026	-1.4%	M237293823	Active
Pasadena, City of	Pasadena	SUNSET	1/26/2026	-0.3%	20251123-08/E25-07412	Active
Pasadena, City of	Pasadena	WELL 58, TWOMBLY	1/27/2026	-0.5%	M147603310	Active
Pasadena, City of	Pasadena	WELL 58, TWOMBLY - WASTE	1/27/2026	-0.5%	20231247-12/E23-05999	Active
Pasadena, City of	Pasadena	WELL 59, WADSWORTH	1/27/2026	1.0%	M237493023	Active
Pasadena, City of	Pasadena	WELL 59, WADSWORTH - WASTE	1/27/2026	-1.1%	20231248-12/E23-06000	Active
Pasadena, City of	Pasadena	WOODBURY	1/27/2026	-1.6%	17887932	Active
Rubio Cañon Land & Water Association	Monk Hill	WELL NO. 7	2/19/2026	1.2%	17-08135-12	Active
San Gabriel County Water District	Pasadena	WELL NO. 16	11/20/2025	1.6%	20111385-06	Active
Sierra Madre, City of	Santa Anita	WELL NO. 3	5/27/2026	-0.6%	3105-12	Active
Sierra Madre, City of	Santa Anita	WELL NO. 5	5/27/2026	-0.9%	1556-10	Active
Sierra Madre, City of	Santa Anita	WELL NO. 6	5/27/2026	-1.3%	1596-12	Active
Sunny Slope Water Company	Pasadena	WELL NO. 11	6/15/2026	-1.1%	20201251-12	Active
Sunny Slope Water Company	Pasadena	WELL NO. 12	6/15/2026	-1.0%	20101500-12	Active
Valley Water Company	Monk Hill	WELL NO. 2	1/7/2026	2.2%	20010901-08	Active
Valley Water Company	Monk Hill	WELL NO. 3	1/7/2026	2.3%	934091-8	Active
Valley Water Company	Monk Hill	WELL NO. 4	1/7/2026	0.5%	201458-08	Active

Key

Fast: Error 0-5%

Slow: Error -5 - 0%

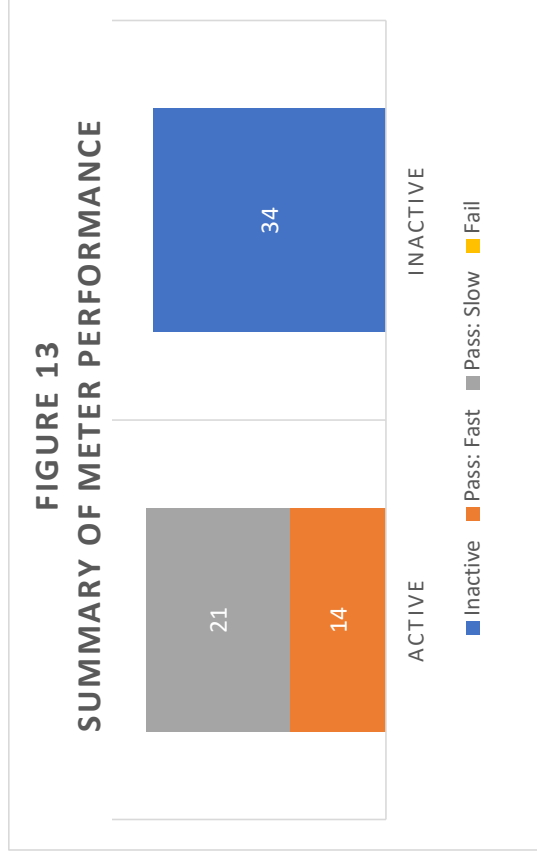
Failure: Error >5%,<-5%

Notes:

1/ Meter calibrated

TABLE 13. METER TESTING PROGRAM FOR FY 2025-26

LIST OF INACTIVE WELLS			
PARTY	SUBAREA	OWNER DESIGNATION	
Alhambra, City of	Pasadena	WELL NO. 2	
Arcadia, City of	Pasadena	CHAPMAN 6	
Arcadia, City of	Pasadena	CHAPMAN 7	
Arcadia, City of	Pasadena	HUGO REID	
Arcadia, City of	Pasadena	RANCHO 6	
Arcadia, City of	Santa Anita	ANOAKIA	
California-American Water Company	Pasadena	LOMBARDY ^{1/}	
California-American Water Company	Pasadena	NEW LAMANDA PARK	
California-American Water Company	Pasadena	OAK KNOLL	
California-American Water Company	Pasadena	PATTON	
California-American Water Company	Pasadena	WELL NO. 1	
California-American Water Company	Pasadena	WELL NO. 7	
California-American Water Company	Pasadena	WELL NO. 8	
California-American Water Company	Pasadena	WINSTON ^{2/}	
H.E. Huntington Library & Art Gallery	Pasadena	ORLANDO	
Kinneloa Irrigation District	Pasadena	WAGNER	
La Canada Irrigation District	Monk Hill	WELL NO. 1	
Las Flores Water Company	Monk Hill	WELL NO. 2	
Pasadena Cemetery Association	Monk Hill	WELL NO. 2-3 ^{3/}	
Pasadena Cemetery Association	Monk Hill	WELL NO. 4	
Pasadena, City of	Monk Hill	EXPLORER ^{4/}	
Pasadena, City of	Monk Hill	SHELDON 1	
Pasadena, City of	Monk Hill	WINDSOR	
Pasadena, City of	Pasadena	BANGHAM	
Pasadena, City of	Pasadena	CRAIG	
Pasadena, City of	Pasadena	EATON 51	
Pasadena, City of	Pasadena	GROUNDS-INJECT.	
Pasadena, City of	Pasadena	MONTE VISTA ^{5/}	
Pasadena, City of	Pasadena	VILLA	
Rubio Cañon Land & Water Assoc.	Monk Hill	WELL NO. 4	
Sierra Madre, City of	Santa Anita	WELL NO. 4 ^{6/}	
Sunny Slope Water Company	Pasadena	WELL NO. 1	
Sunny Slope Water Company	Pasadena	WELL NO. 6	
Valley Water Company	Monk Hill	WELL NO. 1R ^{7/}	



Notes:

- 1/ Out of service.
- 2/ Out of service, blends with Lombardy.
- 3/ Non-operational due to Eaton Fire.
- 4/ Application to construct approved 10/20/21.
- 5/ Application to destroy approved 1/15/20.
- 6/ Out of service due to rehabilitation.
- 7/ Out of service.

APPENDIX A

Significant Actions

by the

Raymond Basin Management Board

APPENDIX A
SIGNIFICANT ACTIONS BY RAYMOND BASIN MANAGEMENT BOARD
2025-26

July 16, 2025

- Adopted Resolution No. 63-0725 establishing Water Right Leasing Policy for the Raymond Basin.
- Annual review of City of Sierra Madre's Imported Water Spreading Program.
- Approved City of Sierra Madre, change in representation for remainder of appointment term - Fiscal Years 2024-26.

October 15, 2025

- Adoption of the 2024-25 Financial Audits.
- Accepted and approved the Annual Report of Watermaster Service in the Raymond Basin for fiscal year 2024-25.
- Received and Filed the City of Sierra Madre's Replenishment Program for the Santa Anita Subarea.
- Annual review of Alternative Management Scenario I for the Pasadena Subarea Performance Evaluation.
- Reviewed Water Balance/Budget for Monk Hill, Pasadena and Santa Anita Subareas.

January 21, 2026

- Approved the Annual Review of Investment Policy.
- Approval of 5-year Watermaster Administrative Services Agreement for the Raymond Basin Management Board.

April 15, 2026

- Adopted fiscal budget and apportionment of annual assessments among the parties for fiscal 2026-27 along with the corresponding assessments for such year.

- Authorization to prepare the 2024-25 Financial Audit.
- Election of Board of Directors and Officers for the Raymond Basin Management Board for Fiscal Years 2026-28.
- Approved Exemption to the Monk Hill Subarea Reduction Plan for Las Flores Water Company.

APPENDIX B

Chronology of the Raymond Basin

APPENDIX B CHRONOLOGY OF THE RAYMOND BASIN

- 1880 Southern California land development boom begins.
- 1881 First wells drilled in Raymond Basin to supply water for irrigated agriculture and expanding municipalities.
- 1908 U.S. Geological Survey report on Raymond Basin published, showing 141 wells in operation.
- 1913 Overdraft of Raymond Basin begins.
- 1914 City of Pasadena Water Department initiates a program to replenish the basin by conserving and spreading storm runoff on gravel beds at the foot of the San Gabriel Mountains. Pasadena continued the spreading program until 1924, by which time it had replenished the basin by more than 20,000 AF, using water that otherwise would have made its way to the Los Angeles River.
- 1924 Pasadena terminates its spreading program partly because of the sharp decline in available runoff due to another dry cycle that began in 1922. Through the remainder of the 1920s, underground water levels dropped, some wells failed and longer pumping lifts raised operating costs in the others. The drop in water levels was not just seasonal; they no longer recovered in the spring.
- Raymond Basin users continued to pump groundwater without fully understanding the effects of their actions on each other and on the basin. A full description of the basin's geology and underground water storage characteristics did not appear until 1934.
- 1928 In the meantime, Pasadena focused on acquiring a supplemental water supply. Consequently, Metropolitan Water District of Southern California was established to build and operate a Colorado River aqueduct, although this water would not be available for at least a decade.
- California Division of Water Resources granted Pasadena permits to store and divert flood flows of the San Gabriel River and divert up to 4,000 AF of water per year.
- 1929 Pasadena voters approved a \$10 million bond issue to finance the construction of Morris Dam on the San Gabriel River and a conduit to the city.
- 1932 San Gabriel Valley Protective Association sued to prevent Pasadena from

building the dam and diverting the water. MWD helped resolve the dispute by agreeing to purchase Morris Dam from Pasadena once Colorado River water became available.

1934 California Division of Water Resources published Bulletin 45, giving a full description of the basin's geology and storage characteristics. It was not until the early 1940s that users learned the basin had been in overdraft every year since 1913, and that the annual overdraft had averaged 7,000 acre feet, or roughly 33% of the average annual safe yield.

1935 Pasadena officials called together representatives of other known Raymond Basin producers, reviewed the published reports of DWR and attempted to negotiate a pumping reduction on a cooperative rather than an adversarial basis. These efforts failed and city officials contemplated legal action.

Pasadena officials had reached the limits of their willingness to act alone. The city reduced pumping somewhat when it began to receive additional supplies from the San Gabriel River. But in order to redress the overdraft on its own, Pasadena would have to cut its production by one-half and import the expensive Colorado River water when available, while other basin users continued to meet all their needs with groundwater. Pasadena was unwilling to do so.

1937 Pasadena chose instead to defend its right as a senior Raymond Basin appropriator. On September 23, 1937, Pasadena initiated proceedings in Superior Court against Alhambra and other major Raymond Basin water users. The action sought to adjudicate and quiet title to Pasadena's rights in the basin, and to enjoin the annual overdraft. The trial court required Pasadena to amend its complaint to name as defendants all entities in the basin pumping more than 100 acre feet annually. There were 30 defendants in all. The judge also ruled that the suit was not a simple action to quiet title but was a general adjudication of water rights in the basin.

City of Pasadena v City of Alhambra et al., was the first basinwide adjudication of groundwater rights in California and the first to use the Court Reference Procedure under the California Water Code. That procedure authorized the referral of cases involving the determination of water rights to the Division of Water Resources by the state Department of Public Works for investigation of the physical facts.

1939 20 parties were involved in the court reference procedure and petitioned the court to refer the factual issues to DWR for investigation. The judge directed the referee to determine the "safe yield" of the basin and ascertain whether there was a surplus or an overdraft.

The investigation was expensive and time-consuming. Nevertheless, the

referee's investigation avoided multiple concurrent investigations by several parties and provided the parties and court with a coherent, single view of the Raymond Basin and its problems.

1943 Referee's report filed in Raymond Basin litigation; this draft report described the basic geology of the Raymond Basin and specified the location of the Monk Hill Basin, and the Pasadena and Santa Anita subareas. The draft report stated the safe yield for Raymond Basin as a whole was 21,900 acre feet per year and recommended limiting withdrawals to the safe yield and using imported water to meet further demands.

As the referee's draft report circulated among the parties, most tried to work out a settlement. Litigation had changed the default condition of the negotiations. Before litigation, failure to negotiate a settlement simply continued the status quo--the pumping race. With litigation underway, if the parties failed to achieve a negotiated settlement, the case would go to trial and the court would decide the parties' water rights. Since Raymond Basin was the first groundwater basin to be adjudicated and California water rights law was very complex, the possible outcomes of a trial were highly uncertain. Waiting for the judge's decision was risky.

The parties had already spent four years and considerable sums of money on this dispute. A negotiated settlement offered the possibility of minimizing additional expenses. Negotiation was facilitated by the presence of shared counsel; one attorney was either counsel or special counsel for sixteen of the parties. This unusual communication link made it easier to reach a cooperative agreement.

1943 Most parties agreed to appoint a committee of seven attorneys and engineers to work out a stipulated agreement that could be presented to the court. All but two parties agreed to the stipulation which provided:

- 1) Admission that taking of the water was adverse to the claims other parties, thus satisfying the requirements of a superior prescriptive right;
- 2) Allocation of the basin's safe yield among the parties;
- 3) Declaration and protection of each party's right to a specified proportion of the safe yield; and
- 4) Arrangement for the exchange of pumping rights among parties

On April 5, 1944, Judge Collier designated the Division of Water Resources to serve as watermaster for the stipulation.

1944 Judge Collier signed the judgment on December 23, 1944, adopting the stipulation worked out by the parties. By mid 1944, all of the parties except the California-Michigan Land and Water Company had agreed to the

stipulation. His decision is known as "mutual prescription". The judge accepted the determination of a "present unadjusted right" defined as the highest amount of water continuously produced during a five-year period prior to the filing of the lawsuit. Each party owned this right by prescription, and the rights were of equal priority. The judge then defined a "decreed right" for each party which was that party's present unadjusted right adjusted downward about one-third so that the sum of all parties' decreed rights matched the estimated safe yield.

The stipulation and judgment in *Pasadena v. Alhambra* completed the first phase of institution building in Raymond Basin. Water users had constituted a governance structure for the basin through the adjudication process. The stipulation and judgment also established a management program for the basin, within and subject to this basin governance system. The management program was a fairly simple fixed safe-yield operation. The provisions of the stipulation and judgment designated: (1) the set of authorized users of the basin and provided for their entry and exit; (2) assigned them rights to specific quantities of pumped water each year and provided for the exchange, lease or sale of those rights; and (3) limited them in the aggregate to the basin's estimated safe yield.

1945 California-Michigan Land and Water Company appealed the *Pasadena v. Alhambra* judgment and the basic governance structure and management program were quickly called into question. As the judge anticipated, his decision based on the stipulation's idea of mutual prescription was the basis for the California-Michigan Land and Water Company appeal.

1947 In response to California-Michigan's appeal, the District Court of Appeal reverses and remands *Pasadena v. Alhambra*.

1949 In response to an appeal filed to the District Court of Appeals decision, the California Supreme Court affirmed *Pasadena v. Alhambra* overturning the Court of Appeal and affirming the judge's original judgment. The Supreme Court also considered the interests of the various publics served by Raymond Basin water producers. Proportionate reduction by each producer would be less disruptive of the local water economy than the complete elimination of rights for some. Without explicitly endorsing the judge's mutual-prescription reasoning, the Supreme Court sustained his result. This had the effect, intended or not, of adding a new doctrine to California water law.

Although a new doctrine had been added, the California law of water rights had not been overturned or revolutionized. *Pasadena v. Alhambra* had been decided and affirmed without overruling any previous water rights decisions. Mutual prescription was not substituted for the old scheme, but allowed to develop alongside it. *Pasadena v. Alhambra* provided an

alternative capacity in which groundwater users could resolve overdraft problems. With the Supreme Court's approval of *Pasadena v. Alhambra*, a community of water users who had worked out their own settlement of an overdraft could approach a court with some assurance that the judge would recognize the settlement and place public authority behind it. *Pasadena v. Alhambra* allowed users of an overdrafted basin to constitute their own basin governance systems and management programs.

The advent of mutual prescription meant that pumpers in every nonadjudicated basin in the state faced the uncertain situation of not knowing when a basin could become overdrawn. Therefore, the decision in *Pasadena v. Alhambra* had the unintended effect of encouraging pumpers in other basins to increase pumping in order to enlarge and protect their right after a potential adjudication.

- 1950 City of Pasadena requested redetermination of Raymond Basin safe yield based on observed changes in basin conditions. The court granted the motion on November 17, 1950 and appointed DWR as referee to make the review.
- 1955 The DWR Report of Referee filed October 5, 1954 increased the estimated safe yield to a total of 30,622 acre feet. The Court issued a Modification of Judgment on April 29, 1955, increasing the decreed rights of the parties proportionally to a total of 30,622 acre feet, effective July 1, 1955.
- 1974 On January 17, 1974, the second modification of Raymond Basin Judgment was signed allowing parties credit for spreading of canyon diversions in spreading grounds in the vicinity of the Arroyo Seco, Eaton Wash, and Santa Anita Creek Canyon.

Source of above information: "Dividing the Waters" by William Blomquist

- 1984 On March 26, 1984, the third modification of Raymond Basin Judgment was approved, reconstituting the basin governance system by assigning watermaster responsibilities to Raymond Basin Management Board, successor to the Raymond Basin Advisory Board. The Board's authority to manage storage water in the basin ushered in the era of conjunctive use and provided the mechanism for local management of the groundwater resource while retaining the safe yield concept of the original adjudication.
- 1992-1993 On October 7, 1992 and March 10, 1993: Long Term Storage policies were adopted and Basin storage capacity determined and allocated to parties for

their use; an important step in allowing all parties to benefit from the storage potential of the Basin.

2001 In July of 2001, by way of a letter to the Chief Executive Officer of Metropolitan Water District, the Raymond Basin Board affirmed their support for conjunctive use in the Basin, once potential negative impacts are identified, evaluated, and resolved.

At the same meeting, the Board approved the proposed concept of the Foothill/Monk Hill Conjunctive Use Program under the following conditions:

- 1) Five Monk Hill producers that were also member agencies of Foothill Municipal Water District would participate.
- 2) Storage allotted to the program would be 7,500 acre feet, which was a number equal to 10% of the 75,000 acre feet of storage deemed at that time to be set aside for conjunctive use (CH2 M Hill determined that additional available storage in the Monk Hill was approximately 12,000 acre feet).
- 3) No imported MWD water could be used for injection unless the TDS is lower than 450 ppm.
- 4) Foothill and Monk Hill Producers submit the detailed final agreement terms with MWD for the program for Board evaluation and approval prior to issuing the final approval of the program.

2002 On July 10, 2002, the Board took action to conceptually approve the MWD Lead Agency Agreement to enable preparation of environmental documentation for the Pasadena portion of the Raymond Basin Conjunctive Use Program. Additionally, the Board appointed a steering committee to draft a request for proposal to perform a baseline study of the Basin. The study was intended to be used to evaluate the impacts of ongoing and future storage programs in the Basin.

On August 10, 2002, the Board approved the Lead Agency Agreement for the Raymond Basin/MWD Conjunctive Use Program.

2003 The Board approved the proposed concept of the Foothill/Monk Hill Conjunctive Use Program under the following conditions:

- 1) Five Monk Hill producers that were also member agencies of Foothill Municipal Water District would participate and storage under the program.
- 2) Storage would be allotted equitably among those agencies.
- 3) Storage set aside for the program was increased from 7,500 acre feet to 9,000 acre feet with that amount being subtracted from the other conjunctive use program proposed by the City of Pasadena. This would leave 64, 000 acre feet of storage for future consideration as part of the Pasadena Program.
- 3) No imported MWD water could be used for injection unless the TDS is lower than 450 ppm.

4) Extraction of project water would only occur after Metropolitan placed a call on this stored water as set forth by the guidelines within the final agreement.

The Board engaged Geoscience to prepare the Baseline Groundwater Assessment of the Raymond Basin which included a ground water flow model of the study area.

The City of Pasadena requested that the Pumping and Storage Committee review the applied calculation for spreading credits in the Arroyo and Milliard Canyons. The City requested that the variable calculation in use at the time be replaced with a straight 80% credit for water spread. After extensive review, the Committee recommended that staff use the 80% calculation as an interim method until the impact on water spread for general benefit could be evaluated. The Board approved this approach on July 9, 2003.

During the summer of 2003, an observation well (the Bricker Well) used in calculating the City of Sierra Madre's Salvage Credit went completely dry. After inspection, it was determined that this condition was due to a combination of age and prolonged dry conditions in the Basin. In October of 2003 the Board made two determinations with regards to the Bricker Well:

- 1) Base calculations for Sierra Madre's Salvage Credit for that year on the assumption that there was zero outflow from the Basin.
- 2) Direct the City of Sierra Madre to construct a new observation well.

On December 8, 2003, Raymond Basin submitted its first application for \$30 million to the Corps of Engineers Section 219 Environmental Infrastructure Program for a raw water supply pipeline, recharge enhancement and additional monitoring wells.

2004

Recognizing conditions highlighted by the ongoing Baseline Groundwater Assessment; the Board authorized staff to assemble a consulting team to seek Federal Grant funding to implement needed water resource enhancement projects for future supply reliability.

In February of 2004, the Baseline Groundwater Assessment of the Raymond Basin was completed. After initial review of the groundwater modeling for the Baseline Groundwater Assessment Geoscience was authorized to prepare partial tracking and capture zone modeling for the same scenarios used in the study. It was also determined that future additional modeling would be required to fully characterize contamination migration.

Baseline Assessment findings indicated that although proposed storage programs would have minimal impact on Basin water levels, the ability for

the Basin to sustain production rates in the long-term may not be feasible without increased replenishment. The basin management strategies outlined in the assessment were used to develop projects and concepts meant to eventually stabilized groundwater levels in the Basin.

In July of 2004 the Board of Directors vote to accept a proposal by the Main San Gabriel Basin Watermaster to provide for Anthony Zampiendo's continued service as Executive Officer utilizing Watermaster's staff to provide support. The Raymond Basin Management Board's offices officially move to Azusa, CA.

At their September 2004 strategic planning workshop the Board set a goal to obtain \$50 Million in outside funding in matching funds for much needed water resource projects in the Basin. After a series of meetings with other local basin managers and water agencies it is determined that a local coalition should be formed to seek Federal funding.

In October of 2004 Raymond Basin Staff and Board members began to actively participate in Regional Technical meetings hosted by the Main San Gabriel Basin Watermaster. These meetings were designed to identify regional water supply issues and possible solutions. The study area included Foothill and Valley Communities stretching from Rancho Cucamonga to La Canada/Flintridge.

Raymond Basin along with other water agencies and municipalities collaborate to develop water supply enhancement projects which are packaged together and called the Southern California Foothill Communities Water Supply Reliability Program (WSRP).

Study projects include:

- 1) A 14 mile imported replenishment water pipeline from Azusa into the Raymond Basin eventually terminating in northern Pasadena.
- 2) An inter-connection from the Metropolitan Water District Foothill Feeder to the San Gabriel Valley Municipal Water District's (SGVMWD) pipeline in the San Dimas/La Verne area.
- 3) Emergency interconnections from the SGVMWD pipeline to the Water Facilities Authority, Three Valleys Municipal Water District and Inland Empire Utilities Agency treatment plants in the eastern San Gabriel Valley and Inland Empire.
- 4) The extension of the SGVMWD water delivery system south to the Alhambra, San Gabriel and Monterey Park area to mitigate groundwater production impacts in the area of the Main San Gabriel Basin commonly referred to as the Alhambra Pumping Hole.
- 5) An area-wide reconnaissance and feasibility study of natural groundwater recharge enhancement opportunities using new and existing facilities within the combined watersheds. The study area includes portions of the Raymond Basin, Main San Gabriel Basin, Six Basins and Chino

Basin.

2005 January 12, 2005, Raymond Basin holds a community meeting for State and local elected officials to unveil the Southern California Foothill Communities Water Supply Reliability Program (WSRP).

February 2005, the Board is informed that the Foothill Conjunctive Use Program and City of Pasadena's storage proposal will not include a State Water Project Pipeline extension from the Glendale area. MWD also informs the Board that it will no longer be the lead agency for CEQA purposes on the 64,000 acre foot Pasadena Storage Program.

In October 2005, construction on the Chelsea Well (the Bricker Well replacement) is completed.

2006 Draft Supplemental Water Quality Criteria for Raymond Basin is published in March and distributed to the all parties to the judgment.

May 17, 2006, the MWD Board approves \$480,000 to reimburse the City of Pasadena for CEQA review and preliminary design work to develop a 64,000 acre foot storage program within the Raymond Basin.

July 2006, the Board entered into an Agreement to provide in-kind services as a partner in the Arroyo Watershed Feasibility Study to identify and evaluate potential habitat and water supply restoration projects along the Arroyo Seco Corridor.

October 2006, the Board adopted criteria for supplemental water paving the way for development of replenishment and supplemental water to be stored.

2007 Raymond Basin Management Board and Main San Gabriel Basin Watermaster formed the Foothill Water Coalition (FWC). The main focus of the Coalition is to cooperatively seek Federal and State funding for regional water supply reliability projects. The charter members include the Raymond Basin Management Board, Main San Gabriel Basin Watermaster, San Gabriel Valley Municipal Water District, Upper San Gabriel Valley Municipal Water District, Three Valleys Municipal Water District, Inland Empire Utilities Agency, Six Basins and Chino Basin Watermaster.

January 2007, Monk Hill Task Force or working group is formed to review and resolve issues unique to the Monk Hill producers and their region.

April 2007, Raymond Basin staff is authorized to act as lead administrative agency for The Water Supply Reliability Coalition, which would eventually become the Foothill Water Coalition.

October 2007, as planned, the Board authorizes work to begin on (Phase I) of comprehensive Ground Water Monitoring and Management Plan, mainly focused on groundwater level and extraction management strategies in the Pasadena Subarea, of the Western Unit.

November 2007, HR 1495- The Water Resources Development Act became United States Law 110-114 on November 9, 2007. Section 5050 of that law authorizes \$5 million for Raymond Basin and FWC projects.

2008 January 2008, Recognizing declining water levels and impacts on supply the Board adopted resolution 42-0109. Resolution 42-0109 puts in place self imposed pumping reductions of 30% implemented over five years in the Pasadena Subarea. This resolution was adopted with the goal of a reduction of water produced below 1955 Decreed Rights from 17,843 Acre Feet to 12,493 Acre Feet, dissolution of remaining Long-Term Storage accounts and increased groundwater levels. In order to meet this goal, water production reductions were implemented incrementally at a rate of 1,070 Acre Feet per year for five years until a 30% reduction is achieved. Implementation set to begin July 1, 2009.

July 2008, as Lead Agency for the Foothill Water Coalition, the Raymond Basin Management Board enters into a planning agreement with the Army Corps of Engineers to prepare the project implementation plan for the feasibility and implementation of the Coalition and Raymond Basin suite of water reliability projects.

2009 January 2009, the Board approved Resolution 43-0409 creating the Monk Hill Temporary Perchlorate Clean-up Pool. The Resolution established a temporary storage pool for clean-up of un-produced water in the area of the Raymond Basin, Western Unit, known as the Monk Hill Subarea. The goal is to help mitigate Perchlorate contamination in the Monk Hill Subarea and retaining water production historically transferred to the area of the Raymond Basin, Western Unit, known as the Pasadena Subarea as Long Term Storage. By establishing the Clean-up Pool (Clean-up Pool) this Resolution is intended as a means to improve water quality and supply conditions in order to avoid disputes between impacted parties.

2010 July 2010, the Board adopted a Joint Prosecution Agreement and Cost-Sharing Agreement regarding a Proposed Rule of the United States Fish and Wildlife Service regarding the designation of a Critical Habitat for the Santa Ana Sucker. The adoption does not bind RBMB with any financial obligation, rather allows participation in a confidential working group.

2011 January 2011, the Board approved membership in the California Groundwater Coalition. The Coalition's mission is to educate policy makers,

represent groundwater interests in legislative and other policy areas, and to promote a fair share of funding for statewide programs.

April 2011, the Board adopted revisions to the Rules and Regulations pertaining to discharge credit.

July 2011, the Board approved a contract extension with the Army Corps of Engineers for funding and “in-kind” services match. The extension was based on matching funds whereby the Corps would provide \$125,000 toward additional groundwater modeling and basin study, provided RBMB approved an equal amount.

2012 January 2012, the Board adopted revisions to the Rules and Regulations pertaining to annual report distribution consistent with the Judgment.

2013 January 2013, the Board approved the Cooperative Agreement for the Santa Anita Stormwater Flood Management and Seismic Strengthening Project. Participants in this agreement are Los Angeles County, City of Arcadia, City of Sierra Madre, and the Raymond Basin Management Board. The project involves improvements to Santa Anita Dam and existing facilities to better capture stormwater and maximize conservation for the Eastern Raymond Basin.

2014 January 2014, Pasadena Subarea reduction for 2013-14 moved to 30%. The 30% represents the final phase of the planned reduction.

May 2014, the Board submitted a draft Salt and Nutrient Management Plan for the Raymond Basin to the Los Angeles Regional Water Quality Control Board.

June 2014, Monk Hill Temporary Perchlorate Clean-up Pool (Clean-up Pool) five-year term ended.

September 2014, Governor Jerry Brown enacted the Sustainable Groundwater Management Act (SGMA). The act is intended to promote groundwater extraction accountability and stability. The Raymond Basin is named in SGMA as an adjudicated basin, and is required to comply with certain reporting requirements by April 2016.

2015 January 2015, the RBMB approved New Well Construction and Destruction Guidelines. These guidelines are a tool to be used in not only tracking wells, but will also provide a technical basis for better management of groundwater extractions and contamination control. The Board adopted Resolution No. 48-0415 at the April meeting.

April 2015, the RBMB adopted Resolution No. 47-0415 establishing a Short

Term Storage Program for Producers meeting specific criteria in the Pasadena Subarea. This provides some flexibility for smaller Producers to “save” and store water during wetter years for use in the subsequent year only.

October 2015, after five years of unprecedented drought, the RBMB authorized the use of imported water for spreading on behalf of the City of Sierra Madre. The Metropolitan Water District entered into an agreement with the City of Sierra Madre and the San Gabriel Valley Water District, to deliver imported water to the Santa Anita Subarea through a connection constructed at the Sierra Madre Spreading Grounds. Water levels in the Santa Anita Subarea have been declining during the prolonged drought due to lack of rainfall and subsequent runoff.

2016 July 2016, the RBMB adopted amendments to the By-Laws that address quorum requirements, terms of office, and the make-up of Executive Committee membership.

December 8, 2016, the Los Angeles Regional Water Quality Control Board, unanimously approved the Raymond Basin Salt and Nutrient Management Plan. This plan is a tool to provide technical assistance in developing various types of alternative water sources for introduction into the Basin.

2018 April 2018, the RBMB awarded a construction contract to drill its first of three planned groundwater monitoring wells. The first well will be constructed in the Santa Anita Subarea, in the City of Arcadia. Well completed in September 2018.

2019 April 2019, the RBMB approved the Pasadena Subarea Alternative Management Scenario No. 1, restricting the use of Long-Term Storage in an effort to reduce Basin groundwater decline.
July 2019, the RBMB adopted Resolution No. 54-0719 approving the Alternative Management Scenario in the Pasadena Subarea, reducing pumping and freezing Long-Term Storage.

December 2019, the RBMB approved the City of Pasadena In-Lieu Program, retiring 1,000 acre-feet of water rights in the Pasadena Subarea. RBMB agreed to pay \$731,000 to offset the cost difference between taking imported water in-lieu of pumping its rights.

2020 April 2020, the RBMB held its first virtual Board Meeting via Zoom Conference due to the COVID-19 Pandemic.

2021 September 2021, California American Water Company purchased East Pasadena Water Company including water rights in the Raymond Basin.

- 2022 Recognizing the need to have financial flexibility for potential participation in projects and programs that could benefit the Raymond Basin, the RBMB approved an increase of the Annual Assessment from \$20 per acre-foot of decreed right to \$30.
- November 2022, the Board voted to approve the City of Pasadena's Monk Hill Winter In-Lieu Program, with a goal of 100 acre-feet per month through the end of the fiscal year.
- 2023 At its January meeting, the Board entered into a three-year agreement with the Main San Gabriel Basin Watermaster for Administrative Services, including the appointment of Kelly Gardner to replace Tony Zampielo as Executive Officer.
- After years of groundwater level decline in the Monk Hill Subarea, the Board approved the Monk Hill Subarea 24% Pumping Reduction Plan. Resolution No. 57-0423 was adopted implementing the Cooperative Pumping Reduction Plan and Exemption Criteria for the parties with Water Rights in the Monk Hill Subarea at the January meeting.
- In July, the Board voted to create a Technical Advisory Ad Hoc Committee to review and evaluate Basin sustainability and storage opportunities.
- Also in July, the Board voted to approve the revised net cost for the Winter In-Lieu Program in the Monk Hill Subarea, previously approved in November 2022.
- Due to above average rainfall State-wide and excess storage available in the Metropolitan Water District system, in October the Board authorized participation in the Cyclic Cost Offset Program in the Monk Hill Subarea for fiscal year 2022-23. Associated costs were funded through reserves with a pay-back obligation to restore reserve funds.
- Also in October, the RBMB entered into an agreement with the City of Pasadena to drill a monitoring well at Washington Park.
- October 2023, Stetson Engineers was authorized to begin work on the Raymond Basin Model Update.
- As a result of the 24% Monk Hill Pumping Reduction Plan, Rubio Canon Land and Water Association the Board approved an exemption in October 2023 to allow pumping beyond the reduction plan while they completed capital projects.
- 2024 At its January meeting, staff began engagement with Ohlund Management Services on Strategic Planning.

Also in January, the Board approved participation in the Cyclic Cost Offset Program in the Monk Hill Subarea for fiscal year 2023-24 and increased Monk Hill assessments to pay back reserves.

In April, the Board authorized Stetson Engineers to begin work on successive simulations using the updated Basin Model to evaluate the significance of the Eaton Wash Fault, the impact of in-lieu activity on water levels, potential impacts of the Anoakia well, and drought management strategies.

At its July meeting, the Board passed Resolution No. 58-0724 expressing appreciation, commemorating and inviting public attention to the outstanding services rendered by Anthony C. Zampietro in honor of his retirement after services as Executive Officer to the Raymond Basin for more than 20 years.

The Board held a Special Meeting in August to award the contract for drilling the second of three planned monitoring wells (Washington Park – Pasadena Subarea) to BC2 Environmental.

In October, the Board passed Resolution No. 59-1024 expressing appreciation, commemorating and inviting public attention to the outstanding services rendered by Lupe Artis in honor of her retirement after 34 years in the water industry.

2025 At the January meeting, the Board approved an operating agreement with the Jesteburg Company to drill, operate and report on a private well in the Raymond Basin.

In April, the Board adopted Resolution No. 62-0425 expressing appreciation, commemorating and inviting public attention to the outstanding services rendered by Jose Reynoso in honor of his resignation from the Raymond Basin Management Board as he moves to a new role with the San Gabriel Valley Municipal Water District.

The Board also approved a one-time lease of spreading credits in the Monk Hill following the devastation incurred by water agencies due to the Eaton Fire from January 7, 2025. Additionally, the Board approved the new Water Right Leasing Policy for immediate implementation.

At its July meeting, the Board adopted Resolution No. 63-0725 establishing a Water Right Leasing Policy for the Raymond Basin.

2026 In April, the Board approved a request from Las Flores Water Company to allow an exemption to the 24% Monk Hill Pumping Reduction Plan to address the agency's recovery following the Eaton Fire.

APPENDIX C

Program for Spreading

Credit Certification

by

Los Angeles County Department of Public Works

and

Raymond Basin Management Board

SUMMARY OF WATER DIVERSIONS, SPREAD AND PUMPING CREDIT ^{1/}
(acre feet)

	Eaton Canyon Area													
	Kinneloa Irrigation District													
	Eaton Wash		Pasadena Glen		Brown Reservoir		Total	Las Flores Water Company		City of Pasadena Eaton Wash		Rubio Canon Land & Water Association		
	Diverted	Spread	Diverted	Outflow	Spread	Diverted	Outflow	Spread	Diverted	Spread	Credit ^{2/}	Diverted	Spread	Credit ^{2/}
Jul-25	13.5	11.2	14.2	0.0	14.2	0.0	0.0	0.0	27.7	25.4	20.3	2.0	1.7	1.4
Aug-25	13.2	13.2	13.9	0.0	13.9	0.0	0.0	0.0	27.1	27.1	21.7	2.0	2.0	1.6
Sep-25	14.4	13.5	15.6	0.0	15.6	0.0	0.0	0.0	30.0	29.1	23.3	2.0	1.9	1.5
Oct-25	13.2	11.5	12.6	0.0	12.6	0.0	0.0	0.0	25.8	24.1	19.3	2.0	1.8	1.4
Nov-25	13.4	11.2	12.5	0.0	12.5	0.0	0.0	0.0	25.9	23.7	19.0	2.0	1.7	1.4
Dec-25	13.1	11.4	12.5	0.0	12.5	0.0	0.0	0.0	25.6	23.9	19.1	25.0	21.7	17.4
Jan-26	14.0	5.3	14.2	0.0	14.2	0.0	0.0	0.0	28.2	19.5	15.6	20.0	7.5	6.0
Feb-26	14.2	4.2	12.9	0.0	12.9	0.0	0.0	0.0	27.1	17.1	13.7	16.0	4.7	3.8
Mar-26	14.0	2.5	13.0	0.0	13.0	0.0	0.0	0.0	27.0	15.5	12.4	10.0	1.8	1.4
Apr-26	13.9	0.0	12.4	0.0	12.4	0.0	0.0	0.0	26.3	12.4	9.9	7.0	0.0	0.0
May-26	14.1	5.4	13.0	0.0	13.0	0.0	0.0	0.0	27.1	18.4	14.7	5.0	1.2	1.0
Jun-26	14.1	9.9	13.1	0.0	13.1	0.0	0.0	0.0	27.2	23.0	18.4	3.0	2.1	1.7
FY	165.1	99.3	159.9	0.0	159.9	0.0	0.0	0.0	325.0	259.2	207.4	96.0	48.1	38.5
												2,441.3	1,213.3	970.7
												108.8	50.0	39.9
1/ Raymond Basin Management Board calculated the diversions and pumping credit; Los Angeles County Department of Public Works determined the spreading amounts.														
2/ Credits calculated as 80% of Spread.														

SUMMARY OF WATER DIVERSIONS, SPREAD AND PUMPING CREDIT ^{1/}
(acre feet)

	Arroyo Seco Area												TOTAL EATON CANYON AND ARROYO SECO			
	Lincoln Avenue Water Company ^{3/}						City of Pasadena ^{4/}									
	Diverted	Spread	Credit ^{5/}	Diverted	Spread	Credit ^{5/}	Diverted	Spread	Credit ^{5/}	Diverted	Spread	Credit ^{6/}	Diverted	Spread	Credit	Credit
Jul-25	13.2	13.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	40.3	29.6	
Aug-25	7.0	7.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	36.1	27.5	
Sep-25	6.6	6.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	37.6	28.8	
Oct-25	21.3	21.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.8	74.1	55.0	
Nov-25	12.8	12.8	7.7	222.3	222.3	133.4	0.0	0.0	0.0	272.3	272.3	173.4	667.2	607.0	438.7	
Dec-25	82.2	82.2	49.3	171.4	171.4	102.8	0.0	0.0	0.0	253.7	253.7	168.6	960.2	874.4	648.7	
Jan-26	89.9	89.9	53.9	780.2	780.2	468.1	0.0	0.0	0.0	854.8	854.8	527.8	1,540.1	1,177.6	768.0	
Feb-26	42.7	42.7	25.6	659.1	659.1	395.5	0.0	0.0	0.0	763.5	763.5	479.0	1,291.5	961.1	628.6	
Mar-26	25.9	25.9	15.5	743.6	743.6	446.2	0.0	0.0	0.0	895.3	895.3	567.6	1,531.3	1,041.5	679.3	
Apr-26	44.4	44.4	26.6	316.1	316.1	189.7	0.0	0.0	0.0	460.0	460.0	304.8	559.3	516.8	341.3	
May-26	23.7	23.7	14.2	142.1	142.1	85.3	0.0	0.0	0.0	313.0	313.0	222.0	369.1	356.4	252.0	
Jun-26	32.5	32.5	19.5	0.0	0.0	0.0	0.0	0.0	0.0	123.1	123.1	98.5	192.9	185.6	142.0	
FY	402.2	402.2	241.3	3,034.8	3,034.8	1,820.9	0.0	0.0	0.0	3,935.7	3,935.7	2,541.7	7,309.0	5,908.5	4,039.5	

^{3/} Includes La Vina Canyon weir spreading.

^{4/} All Pasadena diverted and spread data to Arroyo Seco, Millard Canyon and Behner are preliminary and subject to revision.

^{5/} Arroyo Seco and Millard Canyon spreading calculated in accordance with procedures in Attachment A to July 9, 2003 meeting minutes and Raymond Basin Area Spreading Methodology. Credits calculated as 60% of spread for Lincoln Avenue Water Company and City of Pasadena (Arroyo Seco & Millard Canyon). Remaining 40% spread for general benefit of basin, as shown on page C-3.

^{6/} Credits calculated as 80% of spread for City of Pasadena (Behner Wash Water).

SUMMARY OF WATER DIVERSIONS, SPREAD AND PUMPING CREDIT ^{1/}
(acre feet)

	Other Spread			Total Raymond Basin Spread	General Benefit	
	Los Angeles County Department of Public Works		City of Sierra Madre		Kinneloa Irrigation District, Las Flores Water Company, City of Pasadena and Rubio Canyon Land & Water Association	Lincoln Avenue Water Company and City of Pasadena
	Eaton Grounds	Santa Anita				
			Little Santa Anita Canyon and street runoff		Eaton Canyon Area General Benefit ^{7/}	Arroyo Seco Area General Benefit ^{8/}
Jul-25	0.0	31.0	25.0	96.3	5.4	5.3
Aug-25	0.0	0.0	0.0	36.1	5.8	2.8
Sep-25	0.0	36.0	0.0	73.6	6.2	2.6
Oct-25	0.0	108.0	59.3	241.4	10.6	8.5
Nov-25	77.0	56.0	75.0	815.0	64.4	94.0
Dec-25	4.0	199.0	127.9	1,205.3	107.7	101.4
Jan-26	952.0	348.0	318.2	2,795.8	46.6	348.0
Feb-26	134.0	198.0	156.8	1,449.9	31	280.7
Mar-26	857.0	331.0	372.4	2,601.9	24.1	307.8
Apr-26	1.0	214.0	196.7	928.5	2.5	144.2
May-26	0.0	230.0	90.5	676.9	3.9	66.3
Jun-26	60.0	156.0	50.7	452.3	6	13.0
FY	2,085.0	1,907.0	1,472.5	11,373.0	314.2	1,374.6
7/ Calculated as 20% of the total amount Kinneloa Irrigation District, Las Flores Water Company, City of Pasadena and Rubio Canyon Land & Water Association diverted in Eaton Canyon Area, as shown on page C-1.						
8/ Calculated as 40% of the total amount Lincoln Avenue Water Company and City of Pasadena diverted in Arroyo Seco Area and 20% of Behner Wash Water, as shown on page C-2.						

APPENDIX D

Groundwater Extraction Data

APPENDIX D
RAYMOND BASIN GROUNDWATER PRODUCTION SUMMARY
JULY 2025-JUNE 2026
(acre-feet)

PARTY NAME	YTD (AF)											
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Monk Hill Basin												TOTAL
La Canada Irrigation District	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7
Las Flores Water Company	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Lincoln Avenue Water Company ^{1/}	124.9	142.5	137.0	119.9	89.1	81.7	67.1	76.8	105.4	99.3	127.7	110.6
Pasadena Cemetery Association	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,282.0
Pasadena, City of	357.8	343.4	314.5	324.9	324.9	339.4	351.0	326.0	358.0	334.5	377.5	354.6
Rubio Canon Land & Water Assoc.	109.1	115.7	101.5	92.6	58.3	64.7	50.8	43.5	75.8	65.0	84.6	98.0
Valley Water Company	86.8	81.4	91.7	89.8	42.7	0.2	0.3	0.1	11.6	0.2	97.4	95.9
Subtotals	678.6	683.0	644.9	627.2	515.0	486.0	469.2	446.4	551.4	499.0	687.2	659.8
<i>Prior Year</i>	<i>723.5</i>	<i>718.7</i>	<i>729.7</i>	<i>664.5</i>	<i>623.5</i>	<i>633.3</i>	<i>442.1</i>	<i>262.4</i>	<i>348.0</i>	<i>389.9</i>	<i>488.0</i>	<i>664.2</i>
												6,687.8
Pasadena Sub- w/30% Reduction												TOTAL
Alhambra, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arcadia, City of	40.2	69.5	64.0	64.6	63.6	64.7	55.6	57.8	67.9	62.8	68.2	66.4
California-American Water Co.	7.0	17.2	17.6	3.9	16.1	5.8	0.4	0.6	0.8	0.4	0.3	0.2
Huntington Library & Art Gallery	38.7	38.3	35.6	18.6	10.2	10.2	2.2	10.7	23.5	23.4	30.4	33.2
Kinneloa Irrigation District	48.8	58.6	60.1	58.1	44.8	42.1	38.1	35.9	55.0	50.3	59.3	64.1
Pasadena, City of	955.5	849.2	744.5	656.8	578.9	455.3	495.7	413.9	539.1	453.3	459.7	837.3
San Gabriel County Water Dist.	82.5	79.3	79.6	72.4	69.7	85.2	55.4	0.0	39.4	88.1	90.8	827.9
Sunny Slope Water Company	87.8	97.8	90.8	86.6	80.3	74.5	66.8	66.8	83.1	84.6	91.1	88.4
Subtotals	1,260.5	1,209.9	1,092.2	961.0	859.1	737.8	715.7	585.7	808.8	762.9	799.8	1,175.1
<i>Prior Year</i>	<i>1,210.5</i>	<i>1,135.0</i>	<i>1,240.4</i>	<i>1,156.0</i>	<i>930.4</i>	<i>852.0</i>	<i>810.7</i>	<i>803.0</i>	<i>926.8</i>	<i>1,025.6</i>	<i>1,116.4</i>	<i>1,139.3</i>
												12,346.1
Western Unit Totals	1,939.1	1,892.9	1,737.1	1,588.2	1,374.1	1,223.8	1,184.9	1,032.1	1,360.2	1,261.9	1,487.0	1,834.9
<i>Prior Year</i>	<i>1,934.0</i>	<i>1,853.7</i>	<i>1,970.1</i>	<i>1,820.5</i>	<i>1,553.9</i>	<i>1,485.3</i>	<i>1,252.8</i>	<i>1,065.4</i>	<i>1,274.8</i>	<i>1,415.5</i>	<i>1,604.4</i>	<i>1,803.5</i>
												19,033.9
Santa Anita Subarea												TOTAL
Arcadia, City of	280.1	254.8	249.6	233.5	139.5	200.2	12.6	9.3	3.1	171.9	254.1	174.3
Sierra Madre, City of	243.8	244.5	228.5	192.5	163.8	168.3	145.8	134.0	186.6	173.5	194.8	207.4
Subtotals	523.9	499.3	478.1	426.0	303.3	368.5	158.4	143.3	189.7	345.4	448.9	381.7
<i>Prior Year</i>	<i>379.0</i>	<i>382.5</i>	<i>345.9</i>	<i>351.7</i>	<i>327.8</i>	<i>401.5</i>	<i>477.4</i>	<i>396.6</i>	<i>438.0</i>	<i>449.7</i>	<i>435.5</i>	<i>342.9</i>
												4,728.5
RAYMOND BASIN TOTALS	2,463.0	2,392.2	2,215.2	2,014.2	1,677.4	1,592.3	1,343.3	1,175.4	1,549.9	1,607.3	1,935.9	2,216.6
<i>Prior Year</i>	<i>2,313.0</i>	<i>2,236.2</i>	<i>2,316.0</i>	<i>2,172.2</i>	<i>1,881.7</i>	<i>1,886.8</i>	<i>1,730.2</i>	<i>1,462.0</i>	<i>1,712.8</i>	<i>1,865.2</i>	<i>2,039.9</i>	<i>2,146.4</i>
												22,182.7
												23,762.4

PARTY NAME	IMPORTED WATER SPREAD / INJECTIONS (July '25 to June '26)											
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Valley Water Company	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0
Lincoln Avenue Water Company	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
City of Sierra Madre	5.7	0.0	0.0	277.4	163.4	0.0	39.4	97.9	150.8	257.8	281.6	131.7
Subtotals	5.7	0.0	0.0	277.4	163.4	0.0	39.4	97.9	150.8	257.8	281.6	131.7
												1,405.7

1/ Water delivered by Lincoln Avenue WC included in monthly extraction totals.

DELIVERIES FROM LINCOLN AVENUE WC TO LAS FLORES WC (July '25 to June '26)											
JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Lincoln Avenue WC to Las Flores WC	22.1	35.8	42.1	47.3	24.4	21.7	21.8	19.1	22.8	30.8	48.0
Subtotals	22.1	35.8	42.1	47.3	24.4	21.7	21.8	19.1	22.8	30.8	48.0
											370.1

Monthly Production Table

Party Name	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Total Well Production
Monk Hill Subarea													
<i>La Canada Irrigation District</i>													
Well No. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well No. 6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	1.5
Total Production													1.5
<i>Las Flores Water Company</i>													
Well No. 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Production													0.0
<i>Lincoln Avenue Water Company</i>													
Well No. 3	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.4
Well No. 5	0.0	0.2	9.0	25.5	0.0	0.8	0.0	0.0	0.2	0.0	0.0	0.1	41.4
Well No. 6	124.9	142.2	128.0	94.4	89.0	80.9	67.1	76.8	105.1	99.3	127.5	105.0	1240.2
Total Production													1282.0
<i>Pasadena, City of</i>													
Ventura	66.1	65.8	59.2	60.5	63.9	64.3	56.1	55.6	62.1	57.8	65.6	63.4	740.4
Arroyo	170.8	159.2	145.7	154.2	152.7	163.3	175.9	159.6	175.2	165.4	186.7	172.1	1980.8
Windsor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasa 52	120.9	118.4	109.6	110.2	108.3	111.8	119.0	110.8	120.7	111.3	125.2	119.1	1385.3
Sheldon 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Explorer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Production													4106.5
<i>Pasadena Cemetery Association</i>													
Well No. 2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Production													0.0
<i>Rubio Canon Land & Water Association</i>													
Well 4	5.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
Well 7	103.2	115.2	101.5	92.6	58.3	64.7	50.8	43.5	75.8	65.0	84.6	98.0	953.2
Total Production													959.6
<i>Valley Water Company</i>													
Well No. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well No. 2	23.0	1.1	63.3	89.6	42.7	0.0	0.1	0.0	11.4	0.1	97.1	93.2	421.6
Well No. 3	63.5	80.3	28.3	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	172.6
Well No. 4	0.3	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.2	2.7	3.9
Total Production													598.1

Monthly Production Table

Party Name	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Total Well Production
Pasadena Subarea													
<i>Alhambra, City of</i>													
Well No. 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Production													0.0
<i>Arcadia, City of</i>													
Chapman 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rancho 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hugo Reid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Colorado	40.2	69.5	64.0	64.6	63.6	64.7	55.6	57.8	67.9	62.8	68.2	66.4	745.3
Total Production													745.3
<i>California-American Water Company</i>													
Oak Knoll													0.0
Patton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Winston	0.2	0.2	0.1	1.2	0.3	0.3	0.1	0.2	0.3	0.3	0.1	0.1	3.4
Lombardy	6.8	17.0	17.5	2.7	15.8	5.5	0.3	0.4	0.5	0.1	0.2	0.1	66.9
Well No. 7 (acquired 9/21/21)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well No. 8 (acquired 9/21/21)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well No. 1 (acquired 9/21/21)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Production													70.3
<i>Huntington Library & Art Gallery</i>													
Orlando	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canyon	28.8	0.0	34.3	5.0	0.0	9.3	2.2	8.9	0.0	16.9	14.7	12.7	132.8
Roscoe Moss	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Buddy Moss	9.6	38.3	1.3	13.6	5.7	0.9	0.0	1.8	23.5	6.5	15.7	20.5	137.4
Total Production													270.5
<i>Kinneloa Irrigation District</i>													
Wilcox	12.4	16.6	18.9	10.0	0.4	0.3	0.6	0.1	0.8	0.9	1.0	0.3	62.3
Wagner	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K-3	36.4	42.0	41.2	48.1	44.4	41.8	37.5	35.8	54.2	49.4	58.3	63.8	552.9
Total Production													615.2

Monthly Production Table

Party Name	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Total Well Production
Pasadena Subarea													
<i>Pasadena, City of</i>													
Parke	0.7	5.2	0.5	0.8	5.1	0.1	0.2	6.2	6.8	0.0	6.6	0.1	32.3
Monte Vista	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eaton 51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bangham	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sunset	176.8	175.5	168.9	93.2	61.4	0.0	0.1	0.2	79.4	32.8	0.4	156.6	945.3
Craig	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Woodbury	174.6	68.7	0.1	0.1	0.1	0.1	18.8	0.1	0.1	0.1	0.1	131.8	394.7
New Chapman	152.4	149.7	139.6	120.8	69.7	0.0	20.6	0.1	0.2	0.0	0.1	114.5	767.7
New Chapman Pump to Waste	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.8
Twombly	232.9	226.1	221.7	221.9	222.2	227.9	228.5	204.7	228.6	211.7	225.7	219.0	2670.9
Twombly Pump to Waste	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3
Wadsworth	218.1	223.9	213.7	219.8	220.4	227.1	227.2	202.4	223.9	208.6	226.8	215.2	2627.1
Wadsworth Pump to Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Total Production													7439.2
<i>San Gabriel County Water District</i>													
Well No. 16	82.5	79.3	79.6	72.4	69.7	85.2	55.4	0.0	39.4	88.1	90.8	85.5	827.9
Total Production													827.9
<i>Sunny Slope Water Company</i>													
Well No. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well No. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well No. 11	0.0	0.0	0.0	18.7	56.5	21.4	13.9	12.6	13.7	44.2	23.8	29.6	234.4
Well No. 12	87.8	97.8	90.8	67.9	23.8	53.1	54.4	54.2	69.4	40.4	67.3	58.8	765.7
Total Production													1000.1
Santa Anita Subarea													
<i>Arcadia, City of</i>													
Orange Grove 01A	0.5	0.8	11.8	2.3	3.7	6.5	3.7	2.8	0.9	18.0	0.5	0.8	52.3
Orange Grove 02A	147.1	122.8	105.3	104.4	58.2	87.9	2.8	2.0	0.7	64.4	115.4	55.2	866.2
Orange Grove 5	0.4	0.6	8.5	0.6	2.9	5.0	2.9	2.1	0.7	13.0	0.4	0.6	37.7
Orange Grove 6	132.1	130.6	124.0	126.2	74.7	100.8	3.2	2.4	0.8	76.5	137.8	117.7	1026.8
Anoakia Well01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Production													1983.0
<i>Sierra Madre, City of</i>													
Well No. 3	44.2	2.9	4.2	17.5	2.4	39.9	73.7	70.7	98.2	89.4	77.9	106.8	627.8
Well No. 4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Well No. 5	72.2	114.4	107.1	94.6	77.9	45.2	70.3	60.1	86.6	81.5	91.4	92.9	994.2
Well No. 6	127.1	127.2	117.2	80.4	83.5	83.2	1.8	3.2	1.8	2.6	25.5	7.7	661.2
Total Production													2283.5

APPENDIX E

Change in Well Status

APPENDIX E
WELL APPLICATIONS / CHANGE IN STATUS
Fiscal Year 2025-26

Application No.	Applicant	Application Type	Well Name	Approval Date	Status
001	Michael Swanson	NW	470 Knight Way	1/15/2015	In Progress
002	Lincoln Avenue Water Co.	NW	Well No. 6	4/15/2015	Complete
003	San Gabriel County W.D.	DW	Well No. 3	10/21/2015	Complete
004	San Gabriel County W.D.	NW	Well No. 16	10/21/2015	Complete
005	Dr. Bradford & Judy Kolb	NW	737 Berkshire Ave	10/21/2015	Canceled
006	California American Water Co.	NW	New Lamanda Well	2/4/2016	Canceled
007	California American Water Co.	DW	Old Lamanda Well	4/19/2017	Complete
008	Rubio Canon Land & Water Assoc.	DW	Well No. 2	1/16/2019	Complete
009	Rubio Canon Land & Water Assoc.	DW	Well No. 6	1/16/2019	Complete
010	City of Pasadena	DW	Casitas Well No. 1	10/16/2019	In Progress
011	City of Pasadena	DW	Monte Vista	1/15/2020	In Progress
012	City of Pasadena	DW	Garfield	10/21/2020	Complete
013	City of Pasadena	NW	Parke Well ^{1/}	10/21/2020	Complete
014	California American Water Co.	NW	Danford	Withdrawn	Canceled
015	City of Pasadena	DW	Copelin Well	1/20/2021	Complete
016	City of Pasadena	NW	Explorer Well	10/20/2021	Complete
017	City of Pasadena	DW	Jourdan Well	7/20/2022	Complete
018	Jesteberg Company	NW	Jesteberg Well	1/15/2025	In Progress
019	California American Water Co.	DW	Oswego	1/17/2024	Complete
020	Valley Water Co.	DW	Well No. 1	4/16/2025	Complete
021	Valley Water Co.	NW	New Well No. 1	4/16/2025	Complete

1/ Originally named Garfield Replacement Well.

APPENDIX F

Foothill Conjunctive Use Program

APPENDIX F
FOOTHILL CONJUNCTIVE USE PROGRAM
Fiscal Year 2025-26

Party	Storage* @ 6/30/2025 ^{1/}	Added ^{2/} Transferred	Loss (1%)	Extracted	Storage* @ 6/30/2026
La Canada Irrigation District	0	0.0	0.0	0.0	0
Las Flores Water Co.	0	0.0	0.0	0.0	0
Lincoln Avenue Water Co.	0	0.0	0.0	0.0	0
Pasadena Cemetery	0	0.0	0.0	0.0	0
Rubio Canon Land & Water	0	0.0	0.0	0.0	0
Valley Water Co.	0	0.0	0.0	0.0	0
TOTAL	0	0.0	0.0	0.0	0
* Rounding to the nearest acre foot ^{1/} 1,971 AF of CSP was converted into FHCUP as of July 1, 2005. ^{2/} FHCUP Storage Amounts based on individual agreements with FMWD. FHCUP Storage may vary according to Annual Operating Plan.					

APPENDIX G

Jet Propulsion Laboratories
OU-1 System

APPENDIX G

Jet Propulsion Laboratories OU-1 System Operational Summary FY 2025-2026

STATE WELL NO./ OWNER DESIGN.	DATE MONTH/YR	ACRE-FEET -BEGINNING-	METER READING	UNITS/ NOTES/ GALLONS
EXTRACTION WELL NO. 1	Jun-25	0.00	54,035,320	0.00
	Jul-25	0.00	54,035,320	0.00
	Aug-25	0.00	54,035,320	0.00
	Sep-25	0.00	54,035,320	0.00
	Oct-25	0.00	54,035,320	0.00
	Nov-25	0.00	54,035,320	0.00
	Dec-25	0.00	54,035,320	0.00
	Jan-26	0.00	54,035,320	0.00
	Feb-26	0.00	54,035,320	0.00
	Mar-26	0.00	54,035,320	0.00
	Apr-26	0.00	54,035,320	0.00
	May-26	0.00	54,035,320	0.00
	Jun-26	0.00	54,035,320	0.00
TOTAL ACRE FEET		0.00		

STATE WELL NO./ OWNER DESIGN.	DATE MONTH/YR	ACRE-FEET -BEGINNING-	METER READING	UNITS/ NOTES/ GALLONS
EXTRACTION WELL NO. 2	Jun-25	824,699,712	3,388,850.40	3,388,850.40
	Jul-25	10.40	828,088,485	3,587,619.51
	Aug-25	11.01	831,675,126	3,587,619.51
	Sep-25	9.11	834,643,489	2,968,502.61
	Oct-25	9.85	837,851,949	3,209,632.35
	Nov-25	9.98	841,104,149	3,251,992.98
	Dec-25	11.42	844,826,886	3,721,218.42
	Jan-26	9.36	847,878,411	3,049,965.36
	Feb-26	9.02	850,816,970	2,938,176.02
	Mar-26	10.03	854,086,090	3,268,285.53
	Apr-26	10.22	857,417,339	3,330,197.22
	May-26	10.61	860,874,588	3,457,279.11
	Jun-26	9.68	864,027,663	3,154,237.68
TOTAL ACRE FEET		120.69		

STATE WELL NO./ OWNER DESIGN.	DATE MONTH/YR	ACRE-FEET -BEGINNING-	METER READING	UNITS/ NOTES/ GALLONS
EXTRACTION WELL NO. 3	Jun-25	1,257,461,285	5,109,343.88	5,109,343.88
	Jul-25	15.68	1,262,571,319	5,285,303.22
	Aug-25	16.22	1,267,857,945	4,382,695.95
	Sep-25	13.45	1,272,238,274	4,405,505.52
	Oct-25	15.88	1,281,821,915	5,174,513.88
	Nov-25	17.30	1,287,459,864	5,637,222.30
	Dec-25	14.66	1,292,237,972	4,776,975.66
	Jan-26	14.29	1,296,895,764	4,656,410.79
	Feb-26	16.20	1,302,173,019	5,278,786.20
	Mar-26	16.77	1,307,638,874	5,464,521.27
	Apr-26	17.69	1,313,403,249	5,764,304.19
	May-26	15.50	1,318,453,194	5,050,690.50
	Jun-26	15.50	1,318,453,194	5,050,690.50
TOTAL ACRE FEET		187.16		

STATE WELL NO./ OWNER DESIGN.	DATE MONTH/YR	ACRE-FEET -BEGINNING-	METER READING	UNITS/ NOTES/ GALLONS
EXTRACTION WELL NO. 4	Jun-25	129,269,001	3,004,346.22	3,004,346.22
	Jul-25	9.22	132,273,241	3,020,638.77
	Aug-25	9.27	135,285,117	3,027,155.79
	Sep-25	9.29	136,323,301	3,033,672.81
	Oct-25	9.31	141,355,751	3,033,672.81
	Nov-25	9.29	144,384,108	3,033,672.81
	Dec-25	9.31	147,419,320	3,033,672.81
	Jan-26	9.30	150,448,676	3,033,672.81
	Feb-26	9.29	153,477,203	3,033,672.81
	Mar-26	9.31	156,509,466	3,033,672.81
	Apr-26	9.31	159,542,967	3,033,672.81
	May-26	9.31	162,576,090	3,033,672.81
	Jun-26	9.30	165,609,250	3,030,414.30
TOTAL ACRE FEET		111.51		

NOTES:

- Meter was reset to 0.
- Average flow in gpm entered in place of totalizer read; production calculated using flow and minutes per reporting period.
- Replacement meter installed on 9/8/25 with a begin read of 0. New meter units are Gal*1. Injection estimated 9/1 through 9/11 based on daily flow and hours. Total estimated injection = 3.32 AF. Begin read on 9/11 = 842,979. Total injection metered = 5.18 AF. Total injection = 8.5 AF.

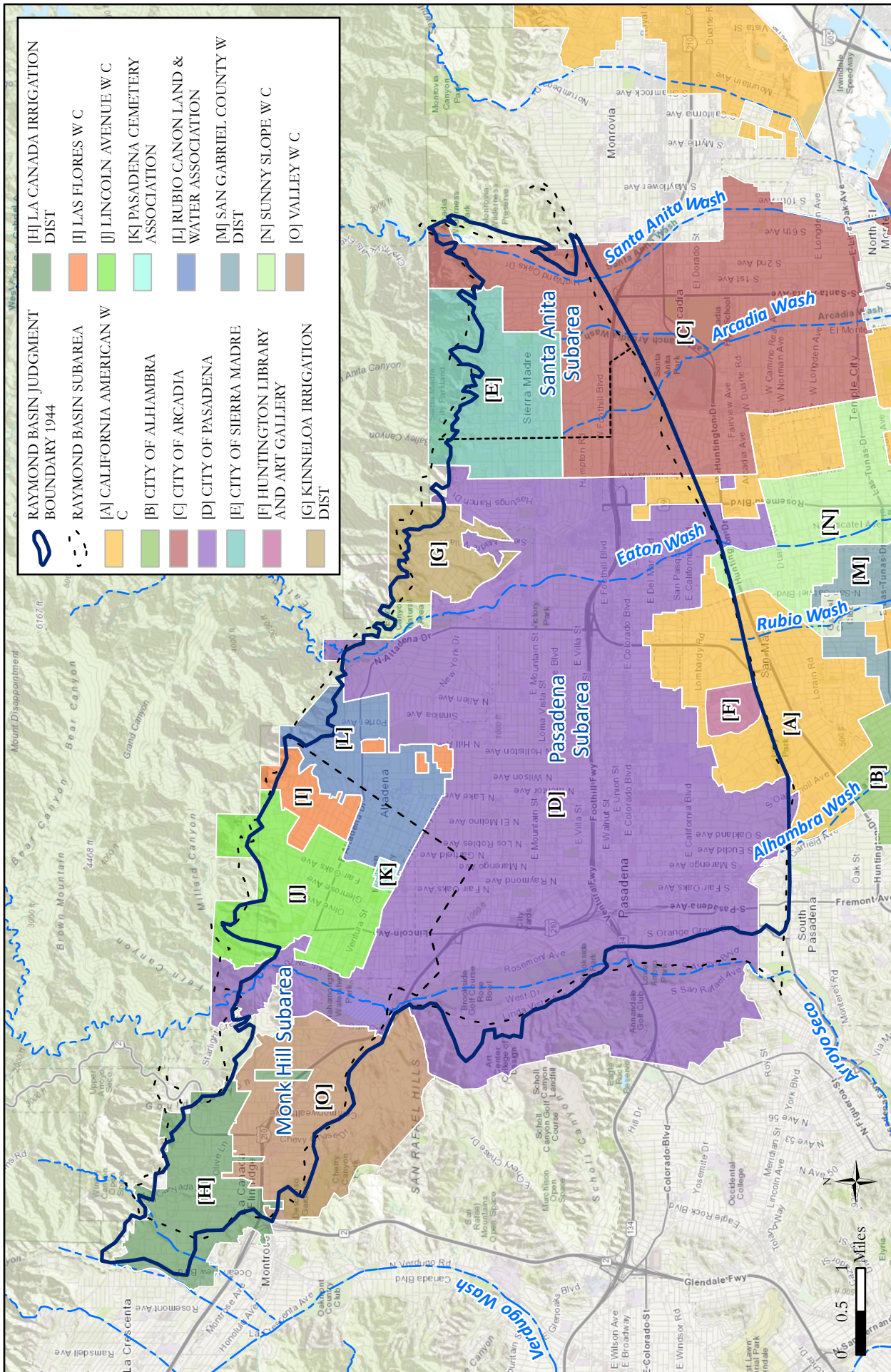
*Water removed for well maintenance

Extractions and Injection Summary FY 2025-2026				
Parameter	EWIW-1	EWIW-2	EWIW-3	EW-4
Total Volume of Groundwater Extracted (AF)	0.00	120.69	187.16	419.36
Total Volume of Groundwater Sent to Sewer (AF)	0.00	0.00	0.00	0.00
Total Volume of Groundwater Rejected (AF)	105.47	102.84	187.94	396.25
Mass of Perchlorate Removed (lbs.)	0.00	2.43	18.75	4.34
Mass of Carbon Tetrachloride (CCL4) Removed (lbs.)	0.00	0.01	0.35	0.07
Mass of Trichloroethene (TCE) Removed (lbs.)	0.00	0.00	0.01	0.01

All Numbers provided by JPL

APPENDIX H

Water Service Areas
Raymond Basin Judgment Boundary 1944



WATER SERVICE AREAS OF PARTIES TO RAYMOND BASIN JUDGMENT BOUNDARY 1944 WATERMASTER SERVICE

