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February 15, 2026

Regional Water Quality Control Board, Santa Ana Region
Attention: Mr. Eric Lindberg
3737 Main Street, Suite 500
Riverside, California 92501-3348

Subject: Chino Basin Recycled Water Groundwater Recharge Program: Quarterly Monitoring Report for October through December 2025

Dear Mr. Lindberg,

Inland Empire Utilities Agency and Chino Basin Watermaster hereby submit the *Quarterly Monitoring Report* for the fourth quarter of 2025 (4Q25), October 1 through December 31, 2025, for the *Chino Basin Recycled Water Groundwater Recharge Program*. This document is submitted pursuant to requirements in Order No. R8-2007-0039. All required monitoring and reporting for the quarter are presented in the attached report. During 4Q25, the Groundwater Recharge Program was in compliance with all monitoring and reporting requirements, with the exception of exceedances of the primary MCL for Perfluorooctanoic acid (PFOA) and secondary MCL for odor.

Chino Basin Watermaster hereby certifies that, during the period of October 1 through December 31, 2025, there was no reported pumping for drinking water purposes in the buffer zones extending 500 feet laterally and 6 months underground travel time from each of the recharge sites using recycled water, namely 7th & 8th Street, Banana, Brooks, Declez, Ely, Hickory, RP3, San Sevaine, Turner, and Victoria Basins. In fact, there are no domestic or municipal production wells in the buffer zones of the aforementioned recharge sites.

DECLARATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments thereto; and that, based on my inquiry of the individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Executed on the 15th day of February in the Cities of Chino and Rancho Cucamonga.

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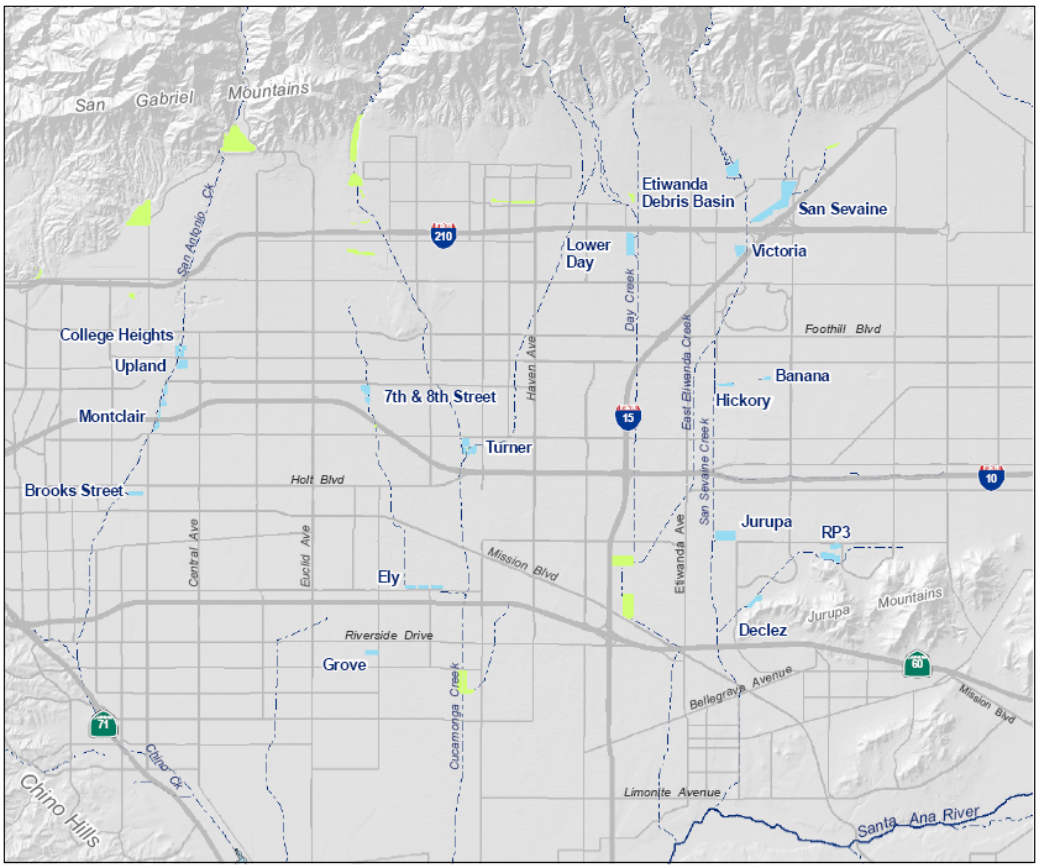
Chino Basin Recycled Water Groundwater Recharge Program

Quarterly Monitoring Report

October 1 through December 31, 2025



Prepared by:

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

February 15, 2026

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1. Introduction

Inland Empire Utilities Agency (IEUA), Chino Basin Watermaster (Watermaster), Chino Basin Water Conservation District, and San Bernardino County Flood Control District are partners in the implementation of the Chino Basin Recycled Water Groundwater Recharge Program. This is part of a comprehensive water supply program to enhance water supply reliability and improve the groundwater quality in local drinking water wells throughout the Chino Basin by increasing the recharge of stormwater, imported water and recycled water. This program is an integral part of Watermaster's Optimum Basin Management Program (OBMP).

A. Order No. R8-2007-0039

On June 29, 2007, the Santa Ana Regional Water Quality Control Board (Regional Board) adopted Order No. R8-2007-0039 (Order) which prescribes the requirements for recycled water use for groundwater recharge in 13 recharge sites within the Chino-North Groundwater Management Zone. The locations of recharge basins in the Chino Basin Groundwater Recharge Program are shown in Figure 1-1.

As a provision of the Order, IEUA and Watermaster must also comply with Monitoring and Reporting Program (MRP) defined in the Order. The MRP includes the water quality monitoring requirements of the Chino Basin Recycled Water Groundwater Recharge Program and the requirement for the submittal of quarterly and annual reports. This document is the quarterly report for the fourth quarter of 2025 (4Q25).

The quarterly report includes the following elements as prescribed in the MRP:

- Monitoring results for recycled water, diluent water, and groundwater.
- Recycled water and diluent water volumes recharged at each basin.
- Reporting of any non-compliance events due to water quality, including records of any operational problems, plant upset and equipment breakdowns or malfunctions, and any diversion(s) of off-specification recycled water and the location(s) of final disposal. All corrective or preventive action(s) taken.
- Certification that no groundwater has been pumped for domestic water supply use from the buffer zone that extends 500 feet and 6-months underground travel time from the recharge basin(s) where recycled water is applied.

B. Order No. R8-2009-0057

On October 23, 2009, the Regional Board adopted Order No. R8-2009-0057, which amended the Order by revising the averaging period for determining a recharge site's recycled water contribution (RWC) from 60-month to 120-month averaging period. The Order No. R8-2009-0057 also allowed a fraction of the groundwater underflow of the Chino Basin aquifers to be used as a source of diluent water when calculating the running average RWC.

C. Revised Monitoring & Reporting Program No. R8-2007-0039

On October 27, 2010, the Regional Board revised the MRP in the Order based on the requests for modifications from IEUA, which were approved by the State Water Resources Control Board – Division of Drinking Water (DDW, formerly California Department of Public Health). The following changes were made to the MRP:

1) Sampling Requirements A.3, A.4, and A.5 were modified by specifying that samples shall be collected on a representative day instead of the 10^{th} day.

2) Groundwater Monitoring Program Requirement V.1. was modified by adding a sentence to the paragraph that allows IEUA to analyze the groundwater samples collected on a quarterly basis from non-active municipal drinking water wells for dissolved metals, instead of total recoverable metals.

3) Reporting Requirement VI.B.3.b. was modified and footnote No. 18 was added to reflect that IEUA uses groundwater monitoring information contained in the *State of the Basin* report prepared on a biennial basis by Watermaster, amongst other sources, for the annual determination of the recycled water groundwater flow path.

D. Title 22, Division 4, Chapter 3. Article 5.1 §60320.100

On June 18, 2014, the DDW adopted new regulations pertaining to Groundwater Replenishment Reuse Projects (GRRP), which can be found in Title 22 California Code of Regulations, Division 4, Chapter 3. Article 5.1 "Indirect Potable Reuse: Groundwater Replenishment - Surface Application" found in Sections §60320.100 through 60320.130. Pursuant to the new GRRP regulations, additional monitoring and reporting began in 3Q15.

The DDW GRRP regulations require that all GRRPs permitted prior to June 18, 2014 submit a report to the DDW and Regional Board to assess compliance of the existing permit in alignment with the GRRP requirements. The IEUA submitted the Compliance Assessment Report (CAR) for the Chino Basin Recycled Water Groundwater Recharge Project dated June 18, 2015 and a revised CAR dated December 12, 2018. On July 25, 2019, the DDW sent a letter to IEUA with their comments on the CAR. The DDW granted a deadline extension for IEUA to submit responses in an October 21, 2019 email. IEUA responded to the DDW comment letter on November 27, 2019.

E. Outline of the Quarterly Report

Section 2 of this quarterly report discusses the water quality monitoring results for recycled water recharge (water recycling plant effluent, distribution system, and basin surface water), diluent water, and groundwater. Section 3 provides an overview of recharge operations including the volume of diluent water and recycled water recharged. Section 4 describes any operational problems and preventive and/or corrective actions taken. Section 5 contains the certification of non-pumping in the 500-foot buffer zones around each basin. Section 6 is a brief overview of the Monte Vista Water District's (MVWD) Aquifer Storage and Recovery (ASR) project.

2. Monitoring Results

A. Recycled Water: RP-1 and RP-4

The requirements for recycled water monitoring are described in the MRP. Tables 2-1 through 2-4 include all of the requisite 4Q25 data.

Recycled Water Quality Specifications A.5 through A.9 in the Order are the narrative limits established in the permit. The corresponding monitoring data used to determine compliance with the Order are presented in Tables 2-1 and 2-2. The monitoring data in Table 2-1 is collected from samples of RP-1 and RP-4 effluent. The total nitrogen (TN) limit for recycled water is 10 mg/L based on the DDW GRRP regulations (Title 22 §60320.110). The previous TN limit and method of compliance in the Regional Board's permit (Order R8-2007-0039) for this recharge program was 5 mg/L using alternative monitoring plans with reduction factors. The assessment of compliance using alternative monitoring plans is described in Section 2.B and Table 2-5 and is included as part of the quarterly reporting until there is a new recycled water recharge permit adopted by the Regional Board. During 4Q25, there were no exceedances of the TN limit. Table 2-2 shows the agency-wide monthly and 12-month running average concentrations for Total Inorganic Nitrogen (TIN) and Total Dissolved Solids (TDS) with effluent

limitations of 8 mg/L and 550 mg/L, respectively. The 12-month running average TDS and TIN concentration did not exceed the TDS and TIN limits during 4Q25.

Recycled Water Quality Specifications A.1 through A.4 of the Order are numerical limits based on the Federal and State primary maximum contaminant levels (MCLs), secondary MCLs, and Action Levels. Recycled Water Specification A.15 is a numerical limit for oil and grease.

Table 2-3a shows the results for the DDW approved sample location representative of the recycled water blend from RP-1 and RP-4 used for recharge located at the RP-4 1299 Pressure Zone Pump Station (RW Blend). Table 2-3b shows results for the RP-1 001B effluent. During the CAR review, DDW identified that 001B effluent must be sampled and reported independently of the RW Blend.

In the Order, compliance for all constituents with MCLs or Action Levels is based on a 4-quarter running average (Recycled Water Specifications A.1 through A.4). Table 2-3a (RW Blend) and Table 2-3b (RP-1 001B effluent) summarize the 4-quarter running average concentration for each parameter from 1Q25 through 4Q25 and lists the corresponding compliance limits.

Although the RW Blend sample from the RP-4 1299 Pump Station is a suitable sample location for most constituents in recycled water, it is not appropriate for Total Trihalomethanes (TTHMs) and Total Haloacetic Acids (HAA5). Compliance samples for these compounds are taken from lysimeters or monitoring wells at basins actively receiving recycled water. At these locations, the samples better represent the compounds present in the recycled water prior to reaching the groundwater table, as the concentrations of these constituents change through the recharge process. Once a quarter, a representative sample is collected from a selected compliance lysimeter/monitoring well and analyzed for these compounds. For the 4Q25, IEUA chose the DCZ-LYS-25 lysimeter as the compliance point, as it has received many years of recycled water deliveries. Recycled water was present based on electrical conductivity (EC) measurements.

Tables 2-4a (RW Blend) and 2-4b (RP-1 001B Effluent) summarize the quarterly monitoring results of recycled water for constituents with no MCLs or Action Levels; this includes priority pollutants, chemicals of emerging concern (CECs), and chemicals with state notification levels.

Note that in Tables 2-4a and 2-4b there is a section named “Health-based and performance indicator CECs for Surface Application”, which includes CECs listed as monitoring requirements in the State Water Resources Control Board’s (State Water Board) amendment to the Policy for Water Quality Control for Recycled Water (Recycled Water Policy) adopted on December 11, 2018, and effective as of April 8, 2019. The amendment included updates to the CECs monitoring list based on the 2018 Science Advisory Panel recommendations.

There were no exceedances for the parameters analyzed during 4Q25 in the following categories: primary MCLs for per- and poly-fluoroalkyl substances, *with the exception of PFOA;* inorganic chemicals; volatile organic compounds (VOCs); non-volatile synthetic organic chemicals (SOCs); radionuclides; disinfection byproducts; action levels for lead and copper; notification level (NLs) for unregulated chemicals; secondary MCLs for required constituents, *with the exception of odor*; and oil & grease. PFOA and odor exceedances are detailed below.

PFOA

In August 2019, the NL for PFOA was lowered from 14 ng/L to 5.1 ng/L. Prior to August 2019, PFOA concentrations in recycled water never exceeded the initial NLs. However, since the NL was lowered during 3Q19, PFOA concentrations in the recycled water have exceeded the NL at both the RW Blend and 001B Effluent sample locations. No confirmation sample was collected within 72 hours of notification of the first results in exceedance, and in accordance with §60320.120(b) weekly sampling began on 10/24/19.

- §60320.120(b)(1) states that "If the running four-week average exceeds the contaminant's NL, a project sponsor shall describe the reason(s) for the exceedance and provide a schedule for completion of corrective actions in a report submitted to the Regional Board no later than 45 days following the quarter in which the exceedance occurred, with a copy concurrently provided to the Department." The PFOA four-week average concentrations continued to exceed the NL after accelerated monitoring was implemented and the corrective actions report was submitted to the DDW and the Regional Board on February 13, 2020.
- IEUA completed the sixteen consecutive weeks of sampling the RW Blend and 001B Effluent per §60320.120(b)(2) during 1Q20 and notified the DDW and the Regional Board after the final results were received. Notifications of exceedance were emailed to the Regional Board and DDW on February 25, 2020 for the RW Blend and on March 5, 2020 for the 001B Effluent.
- In a March 5, 2020 email, DDW stated that IEUA needs to continue with weekly samples for PFOA in the recycled water. Weekly sampling was reinitiated during the third week of March 2020.
- In a meeting on January 17, 2024, IEUA provided DDW staff with an update on the PFOA Corrective Actions Report (CAR). An updated CAR with the University of California Irvine (UCI) PFAS Research Project will be submitted when the final report becomes available. The research project is a sewershed-scale analysis of PFAS in wastewater from domestic, commercial, and industrial sewerage system users. Additionally, IEUA's sewershed monitoring study will be submitted to the DDW once the IEUA study has been completed.

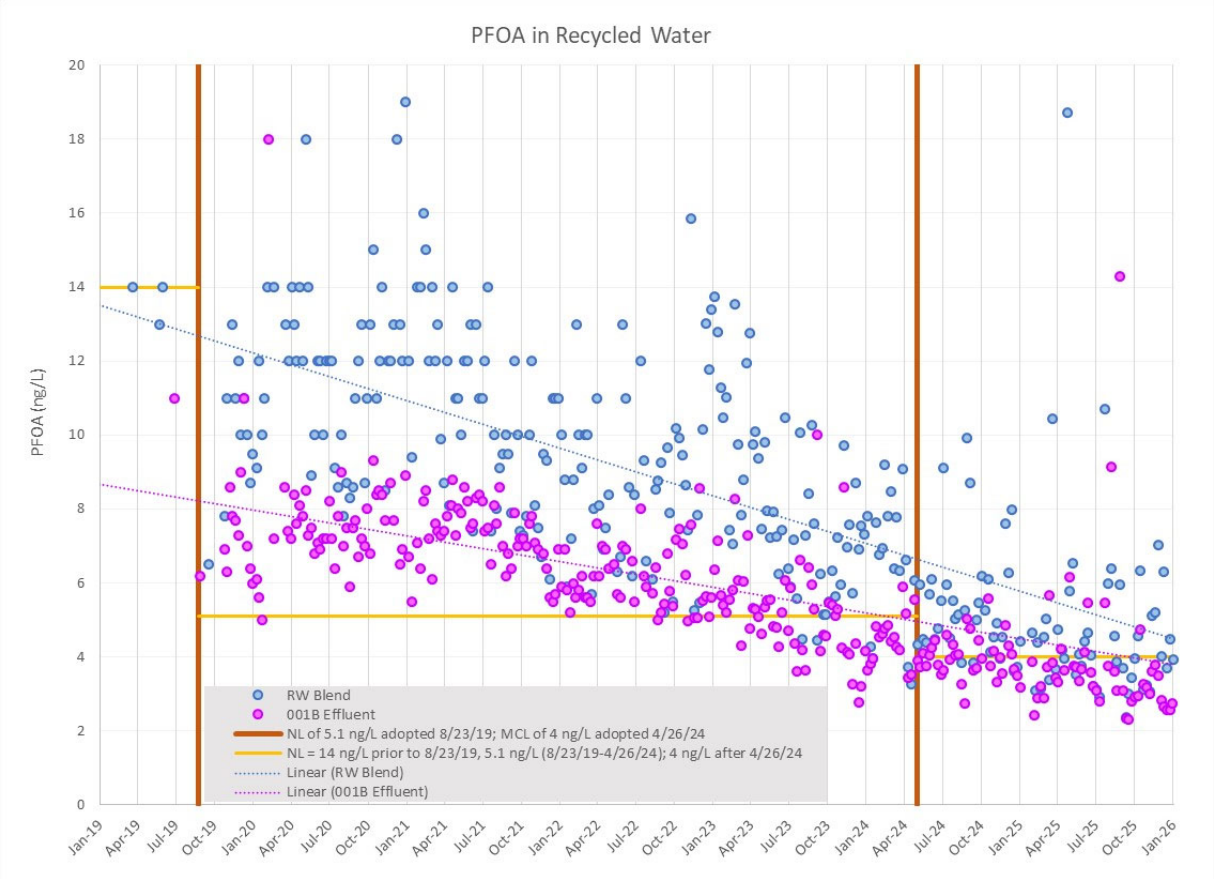
In April 2024, the Environmental Protection Agency (EPA) set new MCLs for PFAS and that became effective June 25, 2024. The DDW is currently in the process of developing California-specific MCLs for PFAS.

The table below shows weekly results of PFOA in recycled water for 4Q25:

Date	RW Blend (ng/L)	4-week avg (ng/L)
10/01/25	3.1	3.8
10/10/25	2.9	3.3
10/15/25	26.6	9.0
10/22/25	10.7	10.8
10/29/25	6.0	11.5
11/05/25	6.4	12.4
11/12/25	4.6	6.9
11/19/25	3.9	5.2
11/26/25	6.0	5.2
12/03/25	3.7	4.5
12/10/25	2.4	4.0
12/17/25	3.0	3.8
12/24/25	3.4	3.1
12/31/25	3.9	4.6

Date	001B Eff (ng/L)	4-week avg (ng/L)
10/01/25	2.9	2.6
10/08/25	2.9	2.7
10/15/25	4.8	3.4
10/22/25	3.3	3.5
10/30/25	3.2	3.5
11/05/25	3.0	3.6
11/12/25	3.6	3.3
11/19/25	3.8	3.4
11/26/25	3.5	3.5
12/03/25	2.8	3.4
12/10/25	2.7	3.2
12/17/25	2.6	2.9
12/24/25	2.6	2.7
12/31/25	2.7	2.6

The chart below shows the trend in PFOA in recycled water from 2019 to 2025. As shown in the chart below, there is a decreasing trend in PFOA concentrations sampled at RW Blend and 001B Effluent approximately starting in April 2021. Despite this decreasing trend, the PFOA concentrations sampled at RW Blend in majority of 2025 continued to exceed the NL of 5.1 ng/L and MCL of 4 ng/L. The PFOA concentrations sampled at 001B Effluent did not exceed the NL and MCL since October 22, 2025.



Odor

Odor has a secondary MCL of 3 Threshold Odor Number (TON) in the Recycled Water Specification A.3. The 4-quarter running average (using the four most recent quarterly odor values since odor is an annual monitoring requirement) for 4Q25 were 15 TON and 7 TON at the RW Blend and 001B Effluent, respectively, causing the threshold odor compliance metric to exceed the secondary MCL. Order No. R8-2007-0039 allows compliance for secondary MCLs to be determined at the mound monitoring well. Based on the mound monitoring well data (Table 2-9), threshold odor did not exceed 3 TON at all the nearest downgradient monitoring wells during 4Q25. The 4-quarter running average will remain the same until the next annual sampling is conducted.

B. Recycled Water: Alternative Monitoring Plans for TOC and TN

Total organic carbon (TOC) and nitrogen species sampling and analyses were performed weekly or monthly at lysimeters at some basins when recycled water is being delivered, for the determination of compliance with Recycled Water Specifications A.7 and A.9 of the Order. However, starting 3Q22 all recharge basins have transitioned to alternative monitoring plans to determine compliance with TOC and TN, and lysimeter monitoring is no longer used.

As indicated in Recycled Water Compliance Determination B.5 and B.6 of the Order, alternative monitoring plans to the lysimeter-based compliance sampling for TOC and TN under Recycled Water Specifications A.7 and A.9 can be established upon development of a soil-aquifer treatment factor using recharge demonstration studies. The alternative monitoring plans can be determined in the basin Start-up Period Reports or First Year Operations Reports, and /or subsequent data-based demonstrations for the DDW and the Regional Board. The alternative TOC and TN monitoring plans approved by the Regional

Board and DDW include alternative monitoring locations that include: sampling at a recycled water distribution turnout with the application of a reduction factor.

In June 2015, the DDW issued a letter that approved the request for 50% RWC for most of the basins where recycled water recharge had initiated, with the exception of San Sevaine 5 (no longer being recharged with recycled water but is permitted to recharge recycled water) and Turner Basins. At the time of requesting the 50% RWC for Turner Basins, DDW determined that IEUA did not have enough data to demonstrate arrival of recycled water. This was written in their approval letter. The DDW's justification in the letter for the 50% RWC was: "For most of the recharge basins, the data does show an increasing amount of EC and chloride in the mound monitoring wells over time, indicating that recycled water is reaching the mound. Corresponding TOC data from the mound monitoring wells also show a consistent TOC level of less than 1.0 mg/L when recycled water is present; therefore, increasing the RWC limit to 50 percent for some basins is justified."

In 2Q24 the TOC reduction factors were recalculated for 8th Street, Banana, Brooks, Ely, Hickory, and Victoria Basins due to findings in a 2015 DDW letter that TOC concentrations are less than 1.0 mg/L in concurrence with the presence of recycled water. The reduction factors were recalculated based on the average percent reduction of TOC at the mound monitoring wells for last five years.

The following are the alternative monitoring plans for each basin:

- 7^{th} & 8^{th} Street Basin: Sampling at the RW Blend with a reduction factor of 93 percent for TOC and 75 percent for TN
- Banana Basin: Sampling at the RW Blend with a reduction factor of 93 percent for TOC and 47 percent for TN
- Brooks Basin: Sampling at the RW Blend with a reduction factor of 92 percent for TOC and 83 percent for TN.
- Declez Basin: Sampling at the RW Blend with a reduction factor of 62 percent for TOC and 91 percent for TN
- Ely Basins: Sampling 001B Effluent with a reduction factor of 86 percent for TOC and 52 percent for TN
- Hickory Basin: Sampling at the RW Blend with a reduction factor of 93 percent for TOC and 27 percent for TN
- RP3 Basin: Sampling at the RW Blend with a reduction factor of 88 percent for TOC and 31 percent for TN
- San Sevaine Basin 1-3: Sampling at the RW Blend with a reduction factor of 92 percent for TOC and 34 percent for TN.
- Turner Basins 1 & 2: Sampling at the RW Blend with a reduction factor of 70 percent for TOC and 87 percent for TN
- Turner Basins 3 & 4: Sampling at the RW Blend with a reduction factor of 85 percent for TOC and 87 percent for TN
- Victoria Basin: Sampling at the RW Blend with a reduction factor of 91 percent for TOC and 82 percent for TN

The TOC and TN values calculated based on the alternative monitoring locations and the application of the reduction factors listed above are summarized in Table 2-5. During 4Q25, there were no exceedances of TOC and TN at basins based on the alternative monitoring plans. As part of the CAR review, the DDW identified that the TN limit could not be met using a reduction factor we had previously established for

alternative monitoring. The DDW clarified that the 10 mg/L TN limit from the GRRP regulations would need to be met at the recycled water. The recycled water monitoring has met the TN compliance for 4Q25 as demonstrated in Table 2-1. However, alternative monitoring using the reduction factor will continue to be reported for the Regional Board until a new GWR permit is issued.

During 4Q24, IEUA submitted a request to increase the RWC to 50% and to revise the TOC compliance locations for the Declez and Turner Basins. In response to IEUA's request, the DDW requested the 20-week running average TOC data for the previous 52 weeks and asked that it be compared to the applicable TOC_{avg} limit (0.5 mg/L divided by the proposed maximum RWC). The request remains pending as additional data are being collected to address DDW's request.

Table 2-6 is a compliance summary table for RWC, TOC average, and TN compliance. It includes the following: when the basin started receiving recycled water; when the startup period was completed; the RWC limit; the current RWC; the current TOC average limit (based on Recycled Water Specification A.10); compliance with the calculated TOC average limit based on maximum TOC average on a 20-week average and a 4-sample average; compliance with the TN limit, and recharged water monitoring plans for TOC and TN.

C. Diluent Water

In addition to recycled water recharge, the two other recharge water sources are imported water and stormwater / local runoff; these two types of water are considered diluent water. Imported water and stormwater / local runoff must be sampled quarterly in accordance with the DDW-approved Diluent Water Monitoring Plan.

Details on the methods used to measure daily diluent water flow and diluent water monitoring schedule can be found in the Diluent Water Monitoring Plan. The quarterly sampling schedule for stormwater and local runoff is presented in Table 4-2 of the plan. Stormwater is sampled during the rainy season (typically in the 1st and 4th quarters) and local runoff is sampled during the dry season (typically in the 2nd and 3rd quarters). Samples are collected at about half the locations during each seasonal quarter, alternating between even and odd years. Table 5-1 of the plan summarizes the sample type and reporting frequency for the parameters listed in Tables I, II, III, and IV of the Diluent Water Monitoring requirement III.3 of the MRP. For 4Q25, diluent water quality sampling of four stormwater sites was conducted. Table 2-7a lists the results of stormwater sampling and analyses for 4Q25. The maximum level to trigger a source water evaluation was exceeded primary MCLs for PFOA, PFOS, and hexavalent chromium during the 4Q25 monitoring.

As part of the CAR, IEUA had submitted a preliminary evaluation of potential source for all the contaminants where concentrations exceed the maximum level to trigger a source evaluation and is awaiting a response from DDW regarding the need to complete a source water evaluation. These contaminants are as follows: aluminum, arsenic, bromate, chlorite, di(2-ethylhexyl)phthalate, dichloromethane, HAA5, heptachlor, lead, NO_3-N, and perchlorate. Additional contaminants may need to be added to a future evaluation prior to issuance of a new GWR permit.

Table 2-7b lists the results from Metropolitan Water District's (MWD) general mineral and physical analysis of water from Silverwood Lake, the source of imported water for recharge.

D. Groundwater Monitoring Wells

Monitoring is conducted at groundwater monitoring wells quarterly and annually to evaluate groundwater quality conditions in the vicinity of the recharge basins utilizing recycled water. Groundwater monitoring results can be used to assess background conditions, time the arrival of recharge waters, and assess the impact that recharged water has on downgradient water supplies. The wells in the monitoring networks for Hickory and Banana, Turner, Declez, RP3, 7th & 8th Street, Brooks Street, San Sevaine, Victoria, and

Ely Basins are summarized in Table 2-8, and presented on Figures 2-1 through 2-7, respectively. Groundwater quality samples are collected and tested quarterly for all constituents listed in Table 1 of Section V in the MRP R8-2007-0039, and annually for constituents specified in the Phase II Findings of Fact, Attachment A in the permit (Bullet 27 in the Conditions Section). The groundwater constituents analyzed from the monitoring wells during quarterly monitoring are presented in Table 2-9.

Any 4Q25 sample which exceeded primary or secondary MCLs are shown in Table 2-9 in magenta (primary MCL) and yellow (secondary MCL) bold italic font. The DDW is notified within 48 hours of receiving the results for primary MCL exceedances or coliform presence at active municipal drinking water wells. Exceedances of primary MCLs and coliform presence at non-drinking water monitoring wells and all secondary MCL exceedances are not reported to the DDW but are reported in the quarterly reports. In 4Q25, the following constituents were detected above the MCLs:

Primary MCL Exceedance

- NO_3-N was detected above the primary MCL of 10 mg/L at Alcoa MW3, Southridge JHS, 8TH-2/1, BRK-1/2, BRK-2/2, Ely Basin MW2 Walnut Street, and Bishop of SB Corp. – DOM. The NO_3-N concentrations at these wells range from 10.7 to 30.4 mg/L and are characteristic of groundwater quality in these areas of the Chino Basin. The distribution of NO_3-N concentrations observed at wells in the Chino Basin is summarized in Watermaster's State of the Basin Reports. No notifications were made to the DDW as these high NO_3-N concentrations are comparable to the ambient NO_3-N concentration in groundwater for each monitoring well's respective groundwater management zone within the Chino Basin.

Secondary MCL Exceedances

- TDS was detected above the secondary MCL of 500 mg/L at Alcoa MW1, Alcoa MW3, Southridge JHS, Ely Basin MW2 Walnut Street, and Bishop of SB Corp. - DOM. TDS concentrations during 4Q25 at these wells range from 530 to 726 mg/L and are characteristic of groundwater TDS concentration at these areas of the Chino Basin. The distribution of TDS concentrations observed at wells in the Chino Basin is summarized in Watermaster's State of the Basin Reports.
- EC was detected above the secondary MCL of 900 µmhos/cm at Alcoa MW3, Southridge JHS, and Ely Basin MW2 Walnut Street. These exceedances correlate with the exceedances of secondary MCL for TDS at Alcoa MW 1 and Southridge JHS.
- Manganese was detected above the secondary MCL of 50 µg/L at RP3-1/1.
- Turbidity was detected above the secondary MCL of 5 NTU at RP3-1/1, 8TH-1/1, 8TH-1/2, 8TH-2/2, and SSV-2. Turbidity concentrations during 4Q25 at these wells ranged from 7.8 to 28.0 NTU.

The 2024 State of the Basin can be reviewed and accessed at the Watermaster's website, www.cbwm.org.

The 2014 GRRP regulations require two downgradient monitoring wells to be monitored quarterly for Priority Toxic Pollutants, and that the wells are located (A) no less than two weeks but no more than six months of travel through the unsaturated zone affected by the project, and (B) at least 30 days upgradient of the nearest drinking water well. The table below shows the monitoring wells that meet the (A) and (B) criteria specified above.

Basins	Monitoring Well (A)	Monitoring Well (B)
7th & 8th Street	8TH-1/2	8TH-2/1
Banana & Hickory	BH-1/2	BH-2/1
Brooks	BRK-1/1	BRK-2/1

Basins	Monitoring Well (A)	Monitoring Well (B)
Ely	ELY-3	Ely MW2
RP3	RP3-1/1	Southridge JHS
Turner	T-1/2	T-2/2
Victoria & San Sevaine	SSV-2 & VCT-1/1	VCT-2/2
Declez	DCZ-1/1	DCZ-2

3. Recharge Operations

IEUA's GWR staff records the daily volumes of water routed to the recharge basins. The 7th & 8th St, Banana, Brooks, Declez, RP3, San Sevaine, and Victoria Basins received recycled water this quarter. Table 3-1 lists the volumes of recycled water and diluent water (imported water and/or local runoff/storm flow) captured during the most recent four quarters at the basins that have initiated recharge using recycled water.

4. Operational Problems & Preventive or Corrective Actions

No operational problems were encountered this quarter; therefore, no corrective actions were necessary for the following: Regional Water Recycling Facilities - RP-1 & RP-4 and recharge operations.

Although IEUA did not encounter operational problems in 4Q25, IEUA encountered issues that prevented monitoring at specific wells during 4Q25. The following summarizes the issues:

- Pomona Well 34 and California Speedway – Infield Well had pump motor issues that were not resolved this quarter.
- DCZ-1/1 is undergoing well rehabilitation to correct turbidity issues.

5. Certification of Non-Pumping in the Buffer Zones

Watermaster has certified that there was no reported pumping of groundwater in 4Q25 for domestic or municipal use from the buffer zones that extend 500 feet and 6 months underground travel time from the 7th & 8th St, Banana, Brooks, Declez, Ely, Hickory, RP3, San Sevaine, Turner, Victoria Basins. In fact, there are no domestic or municipal production wells within the buffer zones of these aforementioned recharge sites.

IEUA continues to work with the San Bernardino County Department of Environmental Health Services (SBCDEHS) to prevent the drilling and construction of new drinking water wells within the buffer zones. SBCDEHS has initiated control over production well permitting within the buffer zones of all recharge sites through the use of buffer zone maps that utilize the same land coordinate system (Township/ Range/ Section/ 40-acre Parcel) that is used in the permitting process. SBCDEHS reviews new well permit applications, in part, by checking the proposed location of a new drinking water well against recharge basin location maps and parcel lists, both provided by IEUA. The maps and lists show township/range/section parcels (40-acre parcels) that abut recharge basins and their 500-foot buffers.

If a proposed well falls within an abutting parcel, SBCDEHS will review the well location using maps of the basins and buffer zones. If the well falls too near the buffer zone boundary for SBCDEHS to determine the relationship of the proposed well location to the buffer boundary, SBCDEHS will defer to IEUA for a prompt field review of the proposed well location. The field review may include contacting and having the well applicant identify the exact location of the proposed well casing. To conduct a detailed field review, SBCDEHS will contact and provide the IEUA Groundwater Recharge Coordinator with a copy of the well permit application and a timeline for the completion of IEUA's review. Following the review,

IEUA will notify SBCDEHS of its findings in writing. IEUA will also notify the DDW and the Regional Board of well permit applications that it recommends should be declined due to well locations determined to fall with a 500-foot buffer zone.

6. MVWD ASR Project

Reporting for the Monte Vista Water District (MVWD) Aquifer Storage and Recovery (ASR) project was allowed by the Regional Board to be included under IEUA/Watermaster Phase I Groundwater Recharge Order No. R8-2005-0033 and subsequent permit updates. In April 2007, MVWD, Watermaster, and IEUA entered into an agreement to report the MVWD ASR project groundwater injection/recovery volumes and TIN/TDS mass balance in the recharge program quarterly reports. Initial injection began in June 2007. Injection activities have been periodic since the program began in 2007. There was no injection activity during 4Q25. Table 6-1 summarizes the monthly volumes and TIN/TDS of injected and recovered water for the last year (1Q25 to 4Q25) and the mass balance of TIN/TDS from the injection-recovery cycles.

7. Exceedance Summary Table

The table below summarizes the recycled water, diluent water, and monitoring well exceedances from 4Q25.

Sample Type	Site	Exceedance
RW	RW Blend	Primary MCL (4.0 ng/L) – PFOA Secondary MCL (3 TON) – Odor (this will remain until next annual sampling)
RW	001B Effluent	Primary MCL (4.0 ng/L) – PFOA Secondary MCL (3 TON) – Odor (this will remain until next annual sampling)
Diluent – Stormwater	Declez Channel @ Declez Basin	Primary MCL (4.0 ng/L) – PFOA Primary MCL (800 µg/L) – Hexavalent Chromium
Diluent – Stormwater	San Sevaine Creek @ San Sevaine 1 Basin	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS Secondary MCL (3 TON) - Odor
Diluent – Stormwater	West Fontana Channel @ Banana Basin	Secondary MCL (3 TON) - Odor
Well	8TH-1/1	Secondary MCL (5 NTU) – Turbidity
Well	8TH-1/2	Secondary MCL (5 NTU) – Turbidity
Well	8TH-2/1	Primary MCL (10 mg/L) – Nitrate as N
Well	8TH-2/2	Secondary MCL (5 NTU) – Turbidity
Well	Alcoa MW1	Secondary MCL (500 mg/L) - TDS
Well	Alcoa MW3	Primary MCL (10 mg/L) – Nitrate as N Secondary MCL (200 µmhos/cm) - EC Secondary MCL (500 mg/L) - TDS
Well	Bishop of SB Corp-Dom	Primary MCL (10 mg/L) – Nitrate as N Secondary MCL (500 mg/L) - TDS

Sample Type	Site	Exceedance
Well	BRK-1/2	Primary MCL (10 mg/L) – Nitrate as N
Well	BRK-2/2	Primary MCL (10 mg/L) – Nitrate as N
Well	Ely Basin MW2 Walnut St.	Secondary MCL (200 µmhos/cm) – EC Secondary MCL (500 mg/L) - TDS Primary MCL (10 mg/L) – Nitrate as N
Well	RP3-1/1	Secondary MCL (50 µg/L) – Manganese Secondary MCL (5 NTU) – Turbidity
Well	Southridge JHS	Primary MCL (10 mg/L) – Nitrate as N Secondary MCL (200 µmhos/cm) - EC Secondary MCL (500 mg/L) – TDS
Well	SSV-2	Secondary MCL (5 NTU) – Turbidity

Table 2-1a
Recycled Water Monitoring: RP-1 & RP-4 Effluent Water Quality for October 2025
(Recycled Water Quality Specifications A.5, A.7, A.8, & A.9)

	RP-1 Effluent (001B Effluent)										RP-4 Effluent									
	Turbidity [1,2,7]	TOC	NO_3-N	TN	TIN [3]	pH [7]	EC [7]	TDS [3]	Hardness	Coliform [1,2,4]	Turbidity [1,2,7]	TOC	NO_3-N	TN	TIN [3]	pH [7]	EC [7]	TDS [3]	Hardness	Coliform [1,2,4]
Unit	NTU	mg/L	mg/L	mg/L	mg/L	unit	µhmo/cm	mg/L	mg/L	mpn/100mL	NTU	mg/L	mg/L	mg/L	mg/L	unit	µhmo/cm	mg/L	mg/L	mpn/100mL
Limits	2;5;10	16 [5]		10 / 5 [6]		6<pH<9				2.2;23;240	2;5;10	16 [5]		10 / 5 [6]		6<pH<9				2.2;23;240
10/01/25	0.7	5.9	4.3	5.0	4.3	6.9	750			<1	0.4	5.9	5.6		5.6	7.1	763			<1
10/02/25	0.7	6.1				6.9	785			<1	0.4	5.8				7.0	764			<1
10/03/25	0.7	5.8				6.9	789			<1	0.4	5.6				7.0	765			<1
10/04/25	0.7	6.0				6.9	794			1	0.4	5.5				7.0	766			<1
10/05/25	0.6	6.4	5.0	5.8	5.0	6.9	801	438	151	<1	0.4	5.8	4.7	5.2	4.7	7.1	767	404	125	<1
10/06/25	0.6	6.3				6.9	750			<1	0.4	5.8				7.2	768			<1
10/07/25	0.6	6.3				6.8	756			<1	0.4	6.0				7.4	769			<1
10/08/25	0.5	6.1	4.7	5.2	4.7	6.8	778			<1	0.4	5.6	4.7		4.7	7.3	770			<1
10/09/25	0.5	5.7				6.8	783			1	0.4	5.1				7.3	771			<1
10/10/25	0.5	5.7				6.8	788			<1	0.4	5.0				7.4	772			<1
10/11/25	0.5	5.8				6.9	790			<1	0.4	5.0				7.4	773			<1
10/12/25	0.6	6.0	4.7	5.4	4.7	6.9	783	460		<1	0.4	5.1	4.0	4.2	4.0	7.4	774	410		<1
10/13/25	0.6	6.1				6.8	768			<1	0.4	5.5				7.5	775			<1
10/14/25	0.7	6.0				6.7	758			<1	0.5	5.5				7.5	776			<1
10/15/25	0.7	5.9	5.0	5.3	5.0	6.7	704			<1	0.4	5.4	5.1		5.1	7.4	777			<1
10/16/25	0.7	6.0				6.7	734			<1	0.4	5.4				7.4	778			<1
10/17/25	0.7	6.0				6.8	764			<1	0.4	5.2				7.4	779			1
10/18/25	0.7	6.2				6.8	762			<1	0.4	5.3				7.4	780			<1
10/19/25	0.7	6.4	4.5	5.1	4.5	6.8	761	456		<1	0.4	5.6	3.6	4.2	3.6	7.4	781	416		<1
10/20/25	0.8	6.5				6.8	745			<1	0.4	5.4				7.4	782			<1
10/21/25	0.9	6.6				6.8	784			<1	0.4	5.2				7.4	783			<1
10/22/25	1.3	6.5	4.7	5.3	4.7	7.0	814			<1	0.4	4.9	4.2		4.2	7.4	784			<1
10/23/25	1.2	6.4				6.9	782			<1	0.4	5.4				7.4	785			1
10/24/25	0.8	6.1				6.9	828			<1	0.5	5.3				7.4	786			<1
10/25/25	0.8	6.3				7.0	822			<1	0.5	5.3				7.4	787			<1
10/26/25	0.8	6.6	4.5	5.3	4.6	6.9	769	346		<1	0.5	5.6	3.8	4.4	3.8	7.4	788	404		<1
10/27/25	0.8	6.5				6.9	779			<1	0.5	5.6				7.4	789			<1
10/28/25	0.7	6.5				6.8	750			<1	0.5	5.7				7.4	790			<1
10/29/25	0.7	6.1	5.1	6.0	5.1	6.8	711			<1	0.5	5.2	4.7		4.7	7.3	791			<1
10/30/25	0.7	6.0				6.8	742			<1	0.5	5.4				7.3	792			<1
10/31/25	0.8	6.1				6.8	745			<1	0.5	5.2				7.3	793			<1
Avg	0.7	6.2	4.7	5.4	4.7	6.8	770	425	151	<1	0.4	5.4	4.5	4.5	4.5	7.3	778	409	125	<1
Min	0.5	5.7	4.3	5.0	4.3	6.7	704	346	151	<1	0.4	4.9	3.6	4.2	3.6	7.0	763	404	125	<1
Max	1.3	6.6	5.1	6.0	5.1	7.0	828	460	151	1	0.5	6.0	5.6	5.2	5.6	7.5	793	416	125	1

Note: **Bolded characters signify an exceedance of a permit limitation**

Blank cells indicate that analysis was not run for a constituent on that particular date. The data presented meets/exceeds the frequency of analysis specified under the discharge permit for these facilities.

[1] Turbidity and coliform must meet water quality standards for disinfected tertiary treated recycled water, as specified in NPDES No. CA8000409, Order No. R8-2009-0021.

[2] Turbidity limits: 2 NTU average daily; 5 NTU no more than 5% of day; 10 NTU at any time. Coliform limits: 2.2 MPN/100mL 7-day median; 23 MPN/100mL in no more than 1 sample per month; 240 MPN/100mL at any time.

[3] TDS and TIN limits are based on the 12-month running average of the combined effluent from all plants, which are presented in Table 2-2.

[4] Monthly average for coliform is based on "non-detect" values equal to 2. Determination of "less than" is dependent on the number of "non-detect" occurrences more than half the days in the month.

[5] TOC shall not exceed 16 mg/L for more than two consecutive samples and an average of the last 4 sample results. TOC compliance can be met at a point prior to reaching the regional groundwater table, including lysimeters.

[6] DDW limit is 10 mg/L and compliance is evaluated in recycled water samples. RWQCB limit is 5 mg/L and compliance can be evaluated using applied correction factor of alternative monitoring plans, which are presented in Table 2-5.

[7] These values based on continuous monitoring data generated by the Supervisory Control and Data Acquisition (SCADA) system.

Table 2-1b
Recycled Water Monitoring: RP-1 & RP-4 Effluent Water Quality for August 2025
(Recycled Water Quality Specifications A.5, A.7, A.8, & A.9)

	RP-1 Effluent (001B Effluent)										RP-4 Effluent									
	Turbidity [1,2,7]	TOC	NO_3-N	TN	TIN [3]	pH [7]	EC [7]	TDS [3]	Hardness	Coliform [1,2,4]	Turbidity [1,2,7]	TOC	NO_3-N	TN	TIN [3]	pH [7]	EC [7]	TDS [3]	Hardness	Coliform [1,2,4]
Unit	NTU	mg/L	mg/L	mg/L	mg/L	unit	µhmo/cm	mg/L	mg/L	mpn/100mL	NTU	mg/L	mg/L	mg/L	mg/L	unit	µhmo/cm	mg/L	mg/L	mpn/100mL
Limits	2;5;10	16 [5]		10 / 5 [6]		6<pH<9				2.2;23;240	2;5;10	16 [5]		10 / 5 [6]		6<pH<9				2.2;23;240
11/01/25	0.7	6.2				6.8	756			<1	0.5	5.2				7.4	697			<1
11/02/25	0.7	6.2	6.0	6.6	6.0	6.8	748	384	153	1	0.4	5.5	4.8	5.0	4.8	7.4	698	356	148	1
11/03/25	0.6	6.5				6.7	746			<1	0.5	5.4				7.3	699			<1
11/04/25	0.7	6.4				6.8	757			<1	0.4	5.7				7.2	700			<1
11/05/25	0.7	6.0	6.4	6.7	6.4	6.8	769			2	0.4	5.3	5.0		5.0	7.2	701			<1
11/06/25	0.6	6.1				6.8	774			<1	0.4	5.4				7.3	702			<1
11/07/25	0.6	5.9				6.8	778			<1	0.4	5.2				7.2	703			<1
11/08/25	0.6	6.1				6.8	793			<1	0.4	5.4				7.2	704			<1
11/09/25	0.7	6.5	5.7	6.3	5.8	6.8	773	448		<1	0.4	5.8	4.3	5.0	4.3	7.2	705	428		<1
11/10/25	0.7	6.4				6.8	752			1	0.4	5.4				7.1	706			<1
11/11/25	0.7	6.4				6.8	773			<1	0.5	5.7				7.0	707			<1
11/12/25	0.7	6.6	4.8	5.7	4.8	6.6	772			<1	0.5	5.7	4.1		4.1	7.0	708			<1
11/13/25	0.8	6.7				6.9	838			1	0.5	5.7				7.0	709			<1
11/14/25	0.7	6.8				6.9	845			<1	0.5	5.3				7.0	710			<1
11/15/25	0.7	6.6				6.7	818			<1	0.6	5.6				6.9	711			<1
11/16/25	0.6	6.1	3.3	4.2	3.3	6.7	742	374		<1	0.5	5.7	4.7	5.0	4.7	6.9	712	412		<1
11/17/25	1.0	6.2				6.8	780			<1	0.5	5.7				7.0	713			<1
11/18/25	1.1	6.2				6.7	773			1	0.5	5.7				7.2	714			<1
11/19/25	0.8	6.9	6.1	7.0	6.1	6.7	798			<1	0.5	6.8	4.2		4.2	7.2	715			<1
11/20/25	0.8	6.5				6.8	871			<1	0.5	5.5				7.2	716			<1
11/21/25	0.7	6.0				6.7	759			<1	0.5	5.2				7.1	717			<1
11/22/25	0.8	6.4				6.8	751			<1	0.5	5.4				7.2	718			<1
11/23/25	0.9	7.1	4.5	5.6	4.5	6.8	768	440		<1	0.5	5.8	4.5	5.3	4.6	7.2	719	436		<1
11/24/25	0.9	7.0				6.8	760			<1	0.5	5.8				7.1	720			<1
11/25/25	1.0	6.8				6.8	752			<1	0.5	5.8				7.1	721			<1
11/26/25	0.9	6.8				6.8	739			<1	0.5	5.6				7.1	722			<1
11/27/25	0.9	6.7	4.8	6.0	5.0	6.8	745			1	0.5	5.6				7.2	723			<1
11/28/25	0.9	6.4				6.8	728			1	0.5	5.5				7.2	724			<1
11/29/25	0.9	6.6				6.8	704			<1	0.5	5.7				7.2	725			1
11/30/25	1.0	7.0	5.6	6.4	5.8	6.8	699	448		<1	0.5	6.0	4.0	4.6	4.0	7.2	726	448		<1
Avg	0.8	6.5	5.2	6.1	5.3	6.8	769	419	153	<1	0.5	5.6	4.5	5.0	4.5	7.1	711	416	148	<1
Min	0.6	5.9	3.3	4.2	3.3	6.6	699	374	153	<1	0.4	5.2	4.0	4.6	4.0	6.9	697	356	148	<1
Max	1.1	7.1	6.4	7.0	6.4	6.9	871	448	153	2	0.6	6.8	5.0	5.3	5.0	7.4	726	448	148	1

Note: **Bolded characters signify an exceedance of a permit limitation** NA: Lab disposed of sample before running total hardness

Blank cells indicate that analysis was not run for a constituent on that particular date. The data presented meets/exceeds the frequency of analysis specified under the discharge permit for these facilities.

[1] Turbidity and coliform must meet water quality standards for disinfected tertiary treated recycled water, as specified in NPDES No. CA8000409, Order No. R8-2009-0021.

[2] Turbidity limits: 2 NTU average daily; 5 NTU no more than 5% of day; 10 NTU at any time. Coliform limits: 2.2 MPN/100mL 7-day median; 23 MPN/100mL in no more than 1 sample per month; 240 MPN/100mL at any time.

[3] TDS and TIN limits are based on the 12-month running average of the combined effluent from all plants, which are presented in Table 2-2.

[4] Monthly average for coliform is based on "non-detect" values equal to 2. Determination of "less than" is dependent on the number of "non-detect" occurrences more than half the days in the month.

[5] TOC shall not exceed 16 mg/L for more than two consecutive samples and an average of the last 4 sample results. TOC compliance can be met at a point prior to reaching the regional groundwater table, including lysimeters.

[6] DDW limit is 10 mg/L and compliance is evaluated in recycled water samples. RWQCB limit is 5 mg/L and compliance can be evaluated using applied correction factor of alternative monitoring plans

[7] These values based on continuous monitoring data generated by the Supervisory Control and Data Acquisition (SCADA) system.

Table 2-1c
Recycled Water Monitoring: RP-1 & RP-4 Effluent Water Quality for September 2025
(Recycled Water Quality Specifications A.5, A.7, A.8, & A.9)

	RP-1 Effluent (001B Effluent)										RP-4 Effluent									
	Turbidity [1,2,7]	TOC	NO_3-N	TN	TIN [3]	pH [7]	EC [7]	TDS [3]	Hardness	Coliform [1,2,4]	Turbidity [1,2,7]	TOC	NO_3-N	TN	TIN [3]	pH [7]	EC [7]	TDS [3]	Hardness	Coliform [1,2,4]
Unit	NTU	mg/L	mg/L	mg/L	mg/L	unit	µhmo/cm	mg/L	mg/L	mpn/100mL	NTU	mg/L	mg/L	mg/L	mg/L	unit	µhmo/cm	mg/L	mg/L	mpn/100mL
Limits	2;5;10	16 [5]		10 / 5 [6]		6<pH<9				2.2;23;240	2;5;10	16 [5]		10 / 5 [6]		6<pH<9				2.2;23;240
12/01/25	1.0	7.0				6.8	668			<1	0.5	5.6				7.1	766			<1
12/02/25	1.0	6.6				6.8	699			<1	0.5	5.8				7.0	767			1
12/03/25	0.9	6.8	5.8	6.7	5.8	6.8	810			<1	0.4	5.5	4.8		4.9	7.0	768			<1
12/04/25	0.7	6.8				6.7	788			<1	0.4	5.5				7.0	769			<1
12/05/25	0.7	6.6				6.8	787			<1	0.5	5.4				6.9	770			<1
12/06/25	0.8	6.5				6.8	785			1	0.5	5.6				6.9	771			<1
12/07/25	0.8	6.7	5.6	6.5	5.7	6.5	779	444	154	<1	0.5	6.0	4.4	5.1	4.4	6.9	772	422	136	1
12/08/25	0.8	6.5				6.8	764			<1	0.5	5.9				7.1	773			<1
12/09/25	0.7	6.4				6.8	787			4	0.5	5.8				7.0	774			<1
12/10/25	0.7	6.2	4.9	5.9	4.9	7.0	807			<1	0.5	5.7	1.5		1.6	7.0	775			4
12/11/25	0.7	6.2				7.0	844			1	0.5	5.6				7.0	776			<1
12/12/25	0.7	6.3				6.9	837			<1	0.6	5.6				7.0	777			<1
12/13/25	0.7	6.0				6.9	826			<1	0.5	5.6				7.0	778			<1
12/14/25	0.8	6.0	4.5	5.6	4.6	6.9	802	446		<1	0.5	5.6	2.2	3.3	2.2	7.0	779	440		1
12/15/25	0.8	6.1				6.9	793			2	0.5	5.7				7.0	780			<1
12/16/25	0.7	6.3				6.8	843			<1	0.5	5.6				7.1	781			<1
12/17/25	0.7	6.3	3.7	4.8	3.8	6.7	904			<1	0.5	5.6	3.0		3.0	7.0	782			<1
12/18/25	0.7	5.8				6.7	925			<1	0.5	4.6				7.0	783			<1
12/19/25	0.7	6.3				6.8	889			2	0.6	5.5				7.0	784			<1
12/20/25	0.6	6.5				6.8	862			<1	0.6	5.5				7.0	785			<1
12/21/25	0.6	6.8	3.6	4.8	3.7	6.8	791	424		1	0.6	5.8	1.9	2.8	1.9	7.0	786	436		1
12/22/25	0.7	6.9				6.8	813			1	0.6	6.2				7.0	787			<1
12/23/25	0.8	6.8				6.8	786			<1	0.6	5.9				7.0	788			<1
12/24/25	0.8	6.7	4.1	5.1	4.2	6.7	734			<1	0.7	6.0				7.0	789			<1
12/25/25	0.7	5.7				6.7	652			<1	0.6	5.7				7.0	790			<1
12/26/25	0.6	6.0				6.7	687			<1	0.6	5.9				7.0	791			<1
12/27/25	0.7	6.1				6.7	698			<1	0.6	6.1				7.0	792			<1
12/28/25	0.7	6.5	4.5	5.6	4.5	6.8	712	390		<1	0.6	6.4	0.7	1.7	0.7	7.0	793	432		<1
12/29/25	0.7	6.4				6.8	714			<1	0.6	6.4				7.1	794			<1
12/30/25	1.2	6.4				6.7	715			<1	0.6	6.1				6.9	795			2
12/31/25	1.8	6.5	4.3	5.5	4.3	6.7	725			<1	0.6	6.0				7.0	796			<1
Avg	0.8	6.4	4.6	5.6	4.6	6.8	781	426	154	<1	0.5	5.7	2.6	3.2	2.7	7.0	781	433	136	<1
Min	0.6	5.7	3.6	4.8	3.7	6.5	652	390	154	<1	0.4	4.6	0.7	1.7	0.7	6.9	766	422	136	<1
Max	1.8	7.0	5.8	6.7	5.8	7.0	925	446	154	4	0.7	6.4	4.8	5.1	4.9	7.1	796	440	136	4

Note: **Bolded characters signify an exceedance of a permit limitation**

Blank cells indicate that analysis was not run for a constituent on that particular date. The data presented meets/exceeds the frequency of analysis specified under the discharge permit for these facilities.

[1] Turbidity and coliform must meet water quality standards for disinfected tertiary treated recycled water, as specified in NPDES No. CA8000409, Order No. R8-2009-0021.

[2] Turbidity limits: 2 NTU average daily; 5 NTU no more than 5% of day; 10 NTU at any time. Coliform limits: 2.2 MPN/100mL 7-day median; 23 MPN/100mL in no more than 1 sample per month; 240 MPN/100mL at any time.

[3] TDS and TIN limits are based on the 12-month running average of the combined effluent from all plants, which are presented in Table 2-2.

[4] Monthly average for coliform is based on "non-detect" values equal to 2. Determination of "less than" is dependent on the number of "non-detect" occurrences more than half the days in the month.

[5] TOC shall not exceed 16 mg/L for more than two consecutive samples and an average of the last 4 sample results. TOC compliance can be met at a point prior to reaching the regional groundwater table, including lysimeters.

[6] DDW limit is 10 mg/L and compliance is evaluated in recycled water samples. RWQCB limit is 5 mg/L and compliance can be evaluated using applied correction factor of alternative monitoring plans

[7] These values based on continuous monitoring data generated by the Supervisory Control and Data Acquisition (SCADA) system.

Table 2-2
Recycled Water Monitoring: Agency-Wide Flow-Weighted TIN & TDS (mg/L)
(Recycled Water Quality Specifications A.6)

	TIN		TDS	
Date	**Monthly**	**12-Mo. Run Avg.**	**Monthly**	**12-Mo. Run Avg.**
Jan-25	6.2	5.5	445	469
Feb-25	6.4	5.7	464	468
Mar-25	5.9	5.8	476	467
Apr-25	5.7	5.9	482	467
May-25	5.7	6.0	479	467
Jun-25	6.3	6.0	475	467
Jul-25	6.0	6.0	481	468
Aug-25	6.0	6.0	477	470
Sep-25	5.7	6.0	475	473
Oct-25	5.8	6.0	451	472
Nov-25	5.4	5.9	455	470
Dec-25	6.1	5.9	476	470
Avg	5.9	5.9	470	469
Min	5.4	5.5	445	467
Max	6.4	6.0	482	473
Limit		8.0		550

Date source: IEUA NPDES monthly self-monitoring report (MRP No. R8-2009-0021).
Per the Regional Board, TDS is calculated using the flow-weighted averages based on discharged effluent flows and recycled water flows; TIN is calculated using the flow-weighted averages based on discharged effluent flows only.
The data reported above will supersede any information submitted for previous quarters. Agency-wide TIN & TDS were in compliance with permit limits at all times.

Table 2-3a
Recycled Water Monitoring - RW Blend (RP1/RP-4): Primary & Secondary Maximum Contaminant Levels
(Recycled Water Quality Specifications A.1, A.2, A.3, A.4 & A.15)

Constituent	1Q25	2Q25	3Q25	4Q25	4Q Run. Avg.[1]	Limit	Unit	Method
Inorganic Chemicals								
Aluminum	112	163	126	<25	106	1000	µg/L	EPA 200.8
Antimony	<1	<1	<1	<1	<1	6	µg/L	EPA 200.8
Arsenic	<2	<2	<2	<2	<2	10	µg/L	EPA 200.8
Asbestos	NR	NR	NR	NR	<0.19	7	MFL	EPA 100.2
Barium	16	13	16	27	18	1000	µg/L	EPA 200.8
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 200.8
Cadmium	<0.25	<0.25	<0.25	<0.25	<0.25	5	µg/L	EPA 200.8
Chromium	<2	<2	<2	<2	<2	50	µg/L	EPA 200.8
Chromium VI [2]	0.6	0.3	0.4	0.5	0.4	10	µg/L	EPA 218.6
Cyanide	<20	<20	<20	<20	<20	150	µg/L	OIA-1677, DW
Fluoride	0.2	0.2	0.2	0.2	0.2	2	mg/L	EPA 300.0
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	2	µg/L	EPA 245.1
Nickel	3	3	3	2	3	100	µg/L	EPA 200.8
Perchlorate	<1	<1	<1	<1	<1	6	µg/L	EPA 314/331.0
Selenium	<2	<2	<2	<2	<2	50	µg/L	EPA 200.8
Thallium	<1	<1	<1	<1	<1	2	µg/L	EPA 200.8
Volatile Organic Chemicals (VOCs)								
Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	600	µg/L	EPA 524.2
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
1,1-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	10	µg/L	EPA 524.2
Dichloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	300	µg/L	EPA 524.2
Monochlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	70	µg/L	EPA 524.2
Methyl-tert-butyl ether	<0.5	<0.5	<0.5	<0.5	<0.5	13	µg/L	EPA 524.2
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	100	µg/L	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Tetrachloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Toluene	<0.5	0.6	0.6	0.6	0.6	150	µg/L	EPA 524.2
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	200	µg/L	EPA 524.2
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Trichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	<0.5	150	µg/L	EPA 524.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1200	µg/L	EPA 524.2
Vinyl Chloride	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
m,p-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	1750 [3]	µg/L	EPA 524.2
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5		µg/L	EPA 524.2
1,2,3-Trichloropropane (added 7/2017)	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	µg/L	CASRL 524M-TCP
Non-Volatile Synthetic Organic Chemicals (SOCs)								
Alachlor (Alanex)	<0.1	<0.1	<0.1	<0.1	<0.1	2	µg/L	EPA 525.2
Atrazine	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2
Bentazon	<2	<2	<2	<2	<2	18	µg/L	EPA 515.4
Benzo(a)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	µg/L	EPA 525.2
Carbofuran	<2	<2	<2	<2	<2	18	µg/L	EPA 531.2
Chlordane	<2	<2	<2	<2	<2	0.1	µg/L	EPA 505/508.1
2,4-D	<0.4	<0.4	<0.4	<0.4	<0.4	70	µg/L	EPA 515.4
Dalapon	4	4	4	5	4	200	µg/L	EPA 515.4
Dibromochloropropane	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	µg/L	EPA 504.1/524.3
Di(2-ethylhexyl)adipate	<0.5	<0.5	<0.5	<0.5	<0.5	400	µg/L	EPA 525.2
Di(2-ethylhexyl)phthalate	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 525.2
Dinoseb	<0.4	<0.4	<0.4	<0.4	<0.4	7	µg/L	EPA 515.4
Diquat	<4	<4	<3.5	<3.6	<4	20	µg/L	EPA 549.2
Endothall	<45	<45	<20	<20	<33	100	µg/L	EPA 548.1
Endrin	<0.2	<0.2	<0.2	<0.2	<0.2	2	µg/L	EPA 505/508.1
Ethylene Dibromide	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	µg/L	EPA 504.1/524.3
Glyphosate	<120	<25	<25	<25	<49	700	µg/L	EPA 547
Heptachlor	<0.2	<0.2	<0.2	<0.2	<0.2	0.01	µg/L	EPA 505/508.1
Heptachlor Epoxide	<0.2	<0.2	<0.2	<0.2	<0.2	0.01	µg/L	EPA 505/508.1

Table 2-3a
Recycled Water Monitoring - RW Blend (RP1/RP-4): Primary & Secondary Maximum Contaminant Levels
(Recycled Water Quality Specifications A.1, A.2, A.3, A.4 & A.15)

Constituent	1Q25	2Q25	3Q25	4Q25	4Q Run. Avg.[1]	Limit	Unit	Method
Hexachlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2/508.1
Hexachlorocyclopentadiene	<0.5	<0.5	<0.5	<0.5	<0.5	50	µg/L	EPA 525.2
Lindane	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	µg/L	EPA 505/508.1
Methoxychlor	<0.2	<0.2	<0.2	<0.2	<0.2	30	µg/L	EPA 505/508.1
Molinate	<0.5	<0.5	<0.5	<0.5	<0.5	20	µg/L	EPA 525.2/508.1
Oxamyl	<2	<2	<2	<2	<2	50	µg/L	EPA 531.2
Pentachlorophenol	<0.2	<0.2	<0.2	<0.2	<0.2	1	µg/L	EPA 515.4
Picloram	<0.6	<0.6	<0.6	<0.6	<0.6	500	µg/L	EPA 515.4
PCB 1016	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1221	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1232	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1242	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1248	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1254	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1260	<10	<4	<4	<10	<7	0.5	µg/L	EPA 505/508.1
Simazine	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 525.2
Thiobencarb	<0.5	<0.5	<0.5	<0.5	<0.5	70	µg/L	EPA 525.2
Toxaphene	<20	<20	<20	<20	<20	3	µg/L	EPA 505/508.1
2,3,7,8-TCDD (Dioxin)	<5	<5	<5	<5	<5	30	pg/L	EPA 1613
2,4,5-TP (Silvex)	<0.2	<0.2	<0.2	<0.2	<0.2	50	µg/L	EPA 515.4
Per- and Poly-fluoroalkyl Substances ***(new Federal MCL effective June 25, 2024 are blue & italicized)****								
Perfluorooctanoic acid (PFOA)**	**4.5**	**5.5**	**6.4**	**4.6**	**5.2**	*4.0** / 5.1 (NL)	ng/L	EPA 537.1
Perfluorooctanesulfonic acid (PFOS)	<2	<2	<2	<2	<2	*4.0** / 6.5 (NL)	ng/L	EPA 537.1
Perfluorohexanesulfonic acid (PFHxS)	<2	<2	<2	<2	<2	*10**	ng/L	EPA 537.1
Perfluorononanoic Acid (PFNA)	<2	<2	<2	<2	<2	*10**	ng/L	EPA 537.1
Hexafluoropropylene oxide dimer acid	<2	<2	<2	<2	<2	*10**	ng/L	EPA 537.1
PFHxS, PFNA, HFPO-DA, PFBS	<1	<1	<1	<1	<1	*1**	unitless	EPA 537.1
Action Level Chemicals								
Copper	3.0	3.5	3.6	5.7	3.4	1300	µg/L	EPA 200.8
Lead	<0.5	<0.5	<0.5	<0.5	<0.5	15	µg/L	EPA 200.8
Radionuclides								
Combined Radium-226 and Radium 228	<3	<3	<3	<3	<3	5	pCi/L	EPA 903.0
Gross Alpha Particle Activity	<3	<3	<3	<3	<3	15	pCi/L	EPA 900.0/SM7110C
Tritium	<300	<300	<300	<300	<300	20,000	pCi/L	EPA 906
Strontium-90	<2	<2	<2	<2	<2	8	pCi/L	EPA 905
Gross Beta Particle Activity	20	19	22	14	19	50	pCi/L	EPA 900.0
Uranium	<1	<1	<1	<1	<1	20	pCi/L	EPA 200.8
Secondary Maximum Contaminant Level Chemicals								
Aluminum	163	126	126	<25	110	200	µg/L	EPA 200.8
Copper	3.5	3.6	3.6	5.7	4	1000	µg/L	EPA 200.8
Corrosivity	-0.6	-0.1	-1.0	-0.5	-0.6	Non-Cor.	SI	SM 2330B
Foaming Agents (MBAS)[4]	NR	NR	<0.1	NR	<0.1	0.5	mg/L	S5540C/EPA 425.1
Iron[4]	24	54	50	17	36	300	µg/L	EPA 200.7
Manganese	6	13	6	9	8	50	µg/L	EPA 200.8
Methyl-tert-butyl ether (MTBE)	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Odor--Threshold[4]	NR	NR	35	NR	**15**	3	TON	SM 2150B
Silver	<0.25	<0.25	<0.25	<0.25	<0.25	100	µg/L	EPA 200.8
Thiobencarb	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2
Zinc	32	28	25	32	23	5000	µg/L	EPA 200.8
Miscellaneous Regulated Constituents								
Oil & Grease[5]	<1	1	<2	<1	--	1	mg/L	EPA 1664
Disinfection Byproducts								
Bromate	<0.005	<0.005	<0.005	0.005	<0.005	0.010	mg/L	EPA 300.1/317
Chlorite	<0.01	<0.01	<0.02	<0.01	<0.01	1	mg/L	EPA 300.0
Alternative Compliance Point Data	DCZ-LYS-25 DCZ-LYS-25 1Q25	DCZ-LYS-25 DCZ-LYS-25 2Q25	DCZ-LYS-25 DCZ-LYS-25 3Q25	DCZ-LYS-25 DCZ-LYS-25 4Q25	<==TTHMs <==HAA5			
Total Trihalomethanes (TTHMs)	<2	<2	<2	<2	<2	80	µg/L	EPA 524.2
Total Haloacetic Acids (HAA5)	<1	<1	<0.5	<0.5	<1	60	µg/L	SM 6251B/EPA 552.3

NR: Not required this quarter

[1] Non-detect (ND) is considered to be half the detection limit (DL) for the 4-quarter running average calculation. The reported 4-quarter running average value, if less than DL, will be based on highest DL found in the data set.

[2] As of September 11, 2017 the MCL for hexavalent chromium that was established in 2014 is no longer in effect; the State Board plans on establishing a new MCL in the near future.

[3] The sum of m,p-Xylene and o-Xylene is used to calculate compliance for the Total Xylenes limit

[4] 4-quarter running average is calculated based on the four most recent results. Monitoring is required annually. However, if monitoring takes place more frequently than required, those results will be reported.

[5] Oil & Grease compliance determination is not based on 4-quarter running average. Compliance is evaluated based on an individual sample result.

Bold & yellow highlight signifies an exceedance of a limit in the Order. Explained in further detail in the report text.

Table 2-3b
Recycled Water Monitoring - RP-1 (001B Effluent): Primary & Secondary Maximum Contaminant Levels
(Recycled Water Quality Specifications A.1, A.2, A.3, A.4 & A.15)

Constituent	1Q25	2Q25	3Q25	4Q25	4Q Run. Avg.[1]	Limit	Unit	Method
Inorganic Chemicals								
Aluminum	<25	114	145	135	105	1000	µg/L	EPA 200.8
Antimony	<1	<1	<1	<1	<1	6	µg/L	EPA 200.8
Arsenic	<2	<2	<2	<2	<2	10	µg/L	EPA 200.8
Asbestos	NR	NR	NR	NR	<0.19	7	MFL	EPA 100.2
Barium	26	13	14	17	17	1000	µg/L	EPA 200.8
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 200.8
Cadmium	<0.25	<0.25	<0.25	<0.25	<0.25	5	µg/L	EPA 200.8
Chromium	<2	<2	<2	<2	<2	50	µg/L	EPA 200.8
Chromium VI [2]	0.5	0.3	0.3	0.3	0.3	10	µg/L	EPA 218.6
Cyanide	<20	<20	<20	<20	<20	150	µg/L	OIA-1677, DW
Fluoride	0.2	0.2	0.2	0.2	0.2	2	mg/L	EPA 300.0
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	2	µg/L	EPA 245.1
Nickel	3	3	3	3	3	100	µg/L	EPA 200.8
Perchlorate	<1	<1	<1	<1	<1	6	µg/L	EPA 314/331.0
Selenium	<2	<2	<2	<2	<2	50	µg/L	EPA 200.8
Thallium	<1	<1	<1	<1	<1	2	µg/L	EPA 200.8
Volatile Organic Chemicals (VOCs)								
Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	600	µg/L	EPA 524.2
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
1,1-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	10	µg/L	EPA 524.2
Dichloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	300	µg/L	EPA 524.2
Monochlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	70	µg/L	EPA 524.2
Methyl-tert-butyl ether	<0.5	<0.5	<0.5	<0.5	<0.5	13	µg/L	EPA 524.2
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	100	µg/L	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Tetrachloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Toluene	2.1	0.9	0.9	0.9	1.2	150	µg/L	EPA 524.2
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	200	µg/L	EPA 524.2
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Trichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	<0.5	150	µg/L	EPA 524.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1200	µg/L	EPA 524.2
Vinyl Chloride	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
m,p-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	1750 [3]	µg/L	EPA 524.2
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5		µg/L	EPA 524.2
1,2,3-Trichloropropane (added 7/2017)	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	µg/L	CASRL 524M-TCP
Non-Volatile Synthetic Organic Chemicals (SOCs)								
Alachlor (Alanex)	<0.1	<0.1	<0.1	<0.1	<0.1	2	µg/L	EPA 525.2
Atrazine	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2
Bentazon	<2	<2	<2	<2	<2	18	µg/L	EPA 515.4
Benzo(a)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	µg/L	EPA 525.2
Carbofuran	<2	<2	<2	<20	<7	18	µg/L	EPA 531.2
Chlordane	<2	<2	<2	<2	<2	0.1	µg/L	EPA 505/508.1
2,4-D	<0.4	<0.4	<0.4	<0.4	<0.4	70	µg/L	EPA 515.4
Dalapon	3	3	3	4	3	200	µg/L	EPA 515.4
Dibromochloropropane	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	µg/L	EPA 504.1
Di(2-ethylhexyl)adipate	<0.5	<0.5	<0.5	<0.5	<0.5	400	µg/L	EPA 525.2
Di(2-ethylhexyl)phthalate	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 525.2
Dinoseb	<0.4	<0.4	<0.4	<0.4	<0.4	7	µg/L	EPA 515.4
Diquat	<4	<4	<3.6	<3.5	<4	20	µg/L	EPA 549.2
Endothall	<45	<45	<20	<20	<33	100	µg/L	EPA 548.1
Endrin	<0.2	<0.1	<0.2	<0.2	<0.2	2	µg/L	EPA 505/508.1
Ethylene Dibromide	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	µg/L	EPA 504.1/524.3
Glyphosate	<120	<25	<25	<25	<49	700	µg/L	EPA 547
Heptachlor	<0.2	<0.1	<0.2	<0.2	<0.2	0.01	µg/L	EPA 505/508.1
Heptachlor Epoxide	<0.2	<0.1	<0.2	<0.2	<0.2	0.01	µg/L	EPA 505/508.1

Table 2-3b
Recycled Water Monitoring - RP-1 (001B Effluent): Primary & Secondary Maximum Contaminant Levels
(Recycled Water Quality Specifications A.1, A.2, A.3, A.4 & A.15)

Constituent	1Q25	2Q25	3Q25	4Q25	4Q Run. Avg.[1]	Limit	Unit	Method
Hexachlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2
Hexachlorocyclopentadiene	<0.5	<0.5	<0.5	<0.5	<0.5	50	µg/L	EPA 525.2
Lindane	<0.2	<0.1	<0.2	<0.2	<0.2	0.2	µg/L	EPA 505/508.1
Methoxychlor	<0.2	<0.1	<0.2	<0.2	<0.2	30	µg/L	EPA 505/508.1
Molinate	<0.5	<0.5	<0.5	<0.5	<0.5	20	µg/L	EPA 525.2
Oxamyl	<2	<2	<2	<20	<7	50	µg/L	EPA 531.2
Pentachlorophenol	<0.2	<0.2	<0.2	<0.2	<0.2	1	µg/L	EPA 515.4
Picloram	<0.6	<0.6	<0.6	<0.6	<0.6	500	µg/L	EPA 515.4
PCB 1016	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1221	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1232	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1242	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1248	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1254	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
PCB 1260	<10	<5	<4	<10	<7	0.5	µg/L	EPA 505/508.1
Simazine	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 525.2
Thiobencarb	<0.5	<0.5	<0.5	<0.5	<0.5	70	µg/L	EPA 525.2
Toxaphene	<20	<25	<20	<20	<21	3	µg/L	EPA 505/508.1
2,3,7,8-TCDD (Dioxin)	<5	<5	<5	<5	<5	30	pg/L	EPA 1613
2,4,5-TP (Silvex)	<0.2	<0.2	<0.2	<0.2	<0.2	50	µg/L	EPA 515.4
Per- and Poly-fluoroalkyl Substances ***(new Federal MCL effective June 25, 2024 are blue & italicized)****								
Perfluorooctanoic acid (PFOA)	3.5	**6.1**	**6.3**	3.2	**4.8**	*4.0** / 5.1 (NL)	ng/L	EPA 537.1
Perfluorooctanesulfonic acid (PFOS)	<2	<2	<2	<2	<2.0	*4.0** / 6.5 (NL)	ng/L	EPA 537.1
Perfluorohexanesulfonic acid (PFHxS)	<2	<2	<2	<2	<2	*10**	ng/L	EPA 537.1
Perfluorononanoic Acid (PFNA)	<2	<2	<2	<2	<2	*10**	ng/L	EPA 537.1
Hexafluoropropylene oxide dimer acid	<2	<2	<2	<2	<2	*10**	ng/L	EPA 537.1
PFHxS, PFNA, HFPO-DA, PFBS	<1	<1	<1	<1	<1	*1**	unitless	EPA 537.1
Action Level Chemicals								
Copper	5	3	<3	3.3	3.2	1300	µg/L	EPA 200.8
Lead	<0.5	<0.5	<0.5	<0.5	<0.5	15	µg/L	EPA 200.8
Radionuclides								
Combined Radium-226 and Radium 228	<3	<3	<3	<3	<3	5	pCi/L	EPA 903.0
Gross Alpha Particle Activity	<3	<3	<3	<3	<3	15	pCi/L	EPA 900.0/SM7110C
Tritium	<300	<300	<300	<300	<300	20,000	pCi/L	EPA 906
Strontium-90	<2	<2	<2	<2	<2	8	pCi/L	EPA 905
Gross Beta Particle Activity	15	19	21	15	17	50	pCi/L	EPA 900.0
Uranium	<1	<1	<1	<1	<1	20	pCi/L	EPA 200.8
Secondary Maximum Contaminant Level Chemicals								
Aluminum	114	145	145	135	134	200	µg/L	EPA 200.8
Copper	3.3	<3	<3	3.3	3.1	1000	µg/L	EPA 200.8
Corrosivity	-0.5	0.0 (Non-Cor.)	-0.2 (Non-Cor.)	-0.1 (Non-Cor.)	-0.2	Non-Cor.	SI	SM 2330B
Foaming Agents (MBAS)[4]	NR	NR	<1	NR	<1	0.5	mg/L	S5540C/EPA 425.1
Iron[4]	47	52	51	59	52	300	µg/L	EPA 200.7
Manganese	7	8	4	21	10	50	µg/L	EPA 200.8
Methyl-tert-butyl ether (MTBE)	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Odor--Threshold[4]	NR	NR	6	NR	**7**	3	TON	SM 2150B
Silver	<0.25	<0.25	<0.25	<0.25	<0.25	100	µg/L	EPA 200.8
Thiobencarb	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2
Zinc	46	26	20	14	21	5000	µg/L	EPA 200.8
Miscellaneous Regulated Constituents								
Oil & Grease[5]	<1	<1.3	<1	<1	--	1	mg/L	EPA 1664
Disinfection Byproducts								
Bromate	<0.005	<0.005	<0.005	0.012	<0.007	0.010	mg/L	EPA 300.1/317
Chlorite	<0.01	<0.02	<0.01	<0.01	<0.01	1	mg/L	EPA 300.0

NR: Not required this quarter

[1] Non-detect (ND) is considered to be half the detection limit (DL) for the 4-quarter running average calculation. The reported 4-quarter running average value, if less than DL, will be based on highest DL found in the data set.

[2] As of September 11, 2017 the MCL for hexavalent chromium that was established in 2014 is no longer in effect; the State Board plans on establishing a new MCL in the near future.

[3] The sum of m,p-Xylene and o-Xylene is used to calculate compliance for the Total Xylenes limit

[4] 4-quarter running average is calculated based on the four most recent results. Monitoring is required annually. However, if monitoring takes place more frequently than required, those results will be reported.

[5] Oil & Grease compliance determination is not based on 4-quarter running average. Compliance is evaluated based on an individual sample result.

Bold & yellow highlight signifies an exceedance of a limit in the Order. Explained in further detail in the report text.

Table 2-4a

Recycled Water Monitoring - RW Blend (RP1/RP-4): Remaining Priority Pollutants, EDCs & Pharmaceuticals, and Unregulated Chemicals

(Monitoring & Reporting Program)

Constituent	4Q25	Unit	Method
Volatile Organic Chemicals (VOCs)			
Acrolein	NR	µg/L	EPA 624
Acrylonitrile	NR	µg/L	EPA 624
Bromoform	<0.5	µg/L	EPA 524.2/624
Chlorodibromomethane	3.3	µg/L	EPA 524.2/624
Chloroethane	<0.5	µg/L	EPA 524.2/624
2-Chloroethylvinylether	NR	µg/L	EPA 524.2/624
Chloroform	92	µg/L	EPA 524.2/624
Dichlorobromomethane	24	µg/L	EPA 524.2/624
Methyl Bromide	<0.5	µg/L	EPA 524.2/624
Methyl Chloride	<0.5	µg/L	EPA 524.2/624
Acid Extractibles			
2-Chlorophenol	NR	µg/L	EPA 625
2,4-Dichlorophenol	NR	µg/L	EPA 625
2,4-Dimethylphenol	NR	µg/L	EPA 625
2-Methyl-4,6-dinitrophenol	NR	µg/L	EPA 625
2,4-Dinitrophenol	NR	µg/L	EPA 625
2-Nitrophenol	NR	µg/L	EPA 625
4-Nitrophenol	NR	µg/L	EPA 625
4-Chloro-3-methylphenol	NR	µg/L	EPA 625
Phenol	NR	µg/L	EPA 625
2,4,6-Trichlorophenol	NR	µg/L	EPA 625
Base/Neutral Extractibles			
Acenaphthene	NR	µg/L	EPA 625
Acenaphthylene	NR	µg/L	EPA 625
Anthracene	NR	µg/L	EPA 625
Benzidine	NR	µg/L	EPA 625
Benzo(a)anthracene	NR	µg/L	EPA 625
Benzo(b)fluoranthene	NR	µg/L	EPA 625
Benzo(g,h,i)perylene	NR	µg/L	EPA 625
Benzo(k)fluoranthene	NR	µg/L	EPA 625
Bis(2-chloroethoxy)methane	NR	µg/L	EPA 625
Bis(2-chloroethyl)ether	NR	µg/L	EPA 625
Bis(2-chloroisopropyl)ether	NR	µg/L	EPA 625
4-Bromophenyl phenyl ether	NR	µg/L	EPA 625
Butyl benzyl phthalate	NR	µg/L	EPA 625
2-Chloronaphthalene	NR	µg/L	EPA 625
4-Chlorophenyl phenyl ether	NR	µg/L	EPA 625
Chrysene	NR	µg/L	EPA 625
Dibenzo(a,h)anthracene	NR	µg/L	EPA 625
1,3-Dichlorobenzene	NR	µg/L	EPA 625
3,3-Dichlorobenzidine	NR	µg/L	EPA 625
Diethyl phthalate	NR	µg/L	EPA 625
Dimethyl phthalate	NR	µg/L	EPA 625
Di-n-butyl phthalate	NR	µg/L	EPA 625
2,4-Dinitrotoluene	NR	µg/L	EPA 625
2,6-Dinitrotoluene	NR	µg/L	EPA 625
Di-n-octyl phthalate	NR	µg/L	EPA 625
Azobenzene	NR	µg/L	EPA 625
Fluoranthene	NR	µg/L	EPA 625
Fluorene	NR	µg/L	EPA 625
Hexachlorobutadiene	NR	µg/L	EPA 625
Hexachlorocyclopentadiene	NR	µg/L	EPA 625
Hexachloroethane	NR	µg/L	EPA 625
Indeno(1,2,3-cd)pyrene	NR	µg/L	EPA 625
Isophorone	NR	µg/L	EPA 625
Naphthalene	NR	µg/L	EPA 625
Nitrobenzene	NR	µg/L	EPA 625
N-Nitroso-di-n-propylamine	NR	µg/L	EPA 625
N-Nitrosodiphenylamine	NR	µg/L	EPA 625
Phenanthrene	NR	µg/L	EPA 625
Pyrene	NR	µg/L	EPA 625

NR: Not Required (Annual Requirement,Phase II FOF, Attachement A, Page 26, Item 19)

Constituent	4Q25	Unit	Method
Pesticides			
Aldrin	<0.2	µg/L	EPA 508.1/608
BHC, alpha isomer	<0.2	µg/L	EPA 508.1/608
BHC, beta isomer	<0.2	µg/L	EPA 508.1/608
BHC, delta isomer	<0.2	µg/L	EPA 508.1/608
4,4'-DDT	<0.2	µg/L	EPA 508.1/608
4,4'-DDE	<0.2	µg/L	EPA 508.1/608
4,4'-DDD	<0.2	µg/L	EPA 508.1/608
Dieldrin	<0.2	µg/L	EPA 508.1/608
Endosulfan I	<0.2	µg/L	EPA 508.1/608
Endosulfan II	<0.2	µg/L	EPA 508.1/608
Endosulfan Sulfate	<0.2	µg/L	EPA 508.1/608
Chemicals w/ State Notification Levels (NLs)				NL
Boron	0.1	mg/L	EPA 200.7	1
n-butylbenzene	<0.5	µg/L	EPA 524.2	260
sec-butylbenzene	<0.5	µg/L	EPA 524.2	260
tert-butylbenzene	<0.5	µg/L	EPA 524.2	260
Carbon disulfide	<0.5	µg/L	EPA 524.2	160
Chlorate [1] (RW Blend /DCZ-LYS-25)	381 / <20	µg/L	EPA 300.0	800
2-Chlorotoluene	<0.5	µg/L	EPA 524.2	140
4-Chlorotoluene	<0.5	µg/L	EPA 524.2	140
Diazinon	<0.5	µg/L	EPA 525.2	1.2
Dichlorodifluoromethane (Freon 12)	<0.5	µg/L	EPA 524.2	1000
1,4 - Dioxane	0.3	µg/L	EPA 522	1
Ethylene glycol	<10	mg/L	EPA 8015B	14
Formaldehyde	35	µg/L	EPA 556	100
HMX	<10	µg/L	EPA 8330A	350
Isopropylbenzene	<0.5	µg/L	EPA 524.2	770
Manganese	9	µg/L	EPA 200.8	500
Methyl isobutyl ketone (MIBK)	<2	µg/L	EPA 524.2	120
Naphthalene	<0.5	µg/L	EPA 525.2/524.2	17
N-Nitrosodiethylamine (NDEA)	<2	ng/L	EPA 521	10
N-Nitrosodimethylamine (NDMA)	2.4	ng/L	EPA 521	10
N-Nitrosodi-n-propylamine (NDPA)	<2	ng/L	EPA 521	10
Propachlor	<0.5	µg/L	EPA 525.2	90
N-propylbenzene	<0.5	µg/L	EPA 524.2	200
RDX	<10	µg/L	EPA 8330A	200
Tertiary butyl alcohol	<2	µg/L	EPA 524.2	12
1,2,4–trimethylbenzene	<0.5	µg/L	EPA 524.2	330
1,3,5-trimethylbenzene	<0.5	µg/L	EPA 524.2	330
2,4,6-Trinitrotoluene	<10	µg/L	EPA 8330A	1
Vanadium	<5	µg/L	EPA 200.8	50
Perfluorooctanoic acid (PFOA) [2]	**4.6**	ng/L	EPA 537.1	5.1
Perfluorooctanesulfonic acid (PFOS)	<2	ng/L	EPA 537.1	6.5
Health-based and performance indicator CECs for Surface Application [3]				**RP3-1/1**
1,4 - Dioxane	0.3	µg/L	EPA 522	0.2
N-nitrosodimethylamine (NDMA)	2.4	ng/L	EPA 521	<2
N-Nitrosomorphline	3.1	ng/L	EPA 521	2.7
Perfluorooctanoic acid (PFOA)	4.6	ng/L	EPA 537.1	4.1
Perfluorooctanesulfonic acid (PFOS)	<2	ng/L	EPA 537.1	1.3
Gemfibrozil	<5	ng/L	LC-MS-MS	<5
Iohexol	6700	ng/L	LC-MS-MS	<1000
Sucralose	71600	ng/L	LC-MS-MS	10900
Sulfamethoxazole	<10	ng/L	LC-MS-MS	24.6
ER-α (reported in avg BEQ/MTL)	ND	ng/L	Indigo Biosciences	ND
AhR (reported in avg BEQ/MTL)	0.682	ng/L	Indigo Biosciences	0.340

Bold & yellow highlight signifies an exceedance of a notification level

[1] Pursuant to the GRRP regulations, recharge water may be monitored at a montioring well or lysimeter in lieu of recycled water for DDW-specified chemicals having notification levels.

[2] PFOA is being analyzed weekly for the exceedance of the NL and is reported in Section 2A of this report

[3] Monitoring results for performance indicator CECs and surrogates shall be used to evaluate the operational performance and effectiveness of the treatment process in removing CECs and shall be compared to monitoring results from well RP3-1/1 to further assess treatment performance.

Table 2-4b

Recycled Water Monitoring - RP-1 (001B Effluent): Remaining Priority Pollutants, EDCs & Pharmaceuticals, and Unregulated Chemicals

(Monitoring & Reporting Program)

Constituent	4Q25	Unit	Method
Volatile Organic Chemicals (VOCs)			
Acrolein	NR	µg/L	EPA 624
Acrylonitrile	NR	µg/L	EPA 624
Bromoform	<0.5	µg/L	EPA 524.2/624
Chlorodibromomethane	3.6	µg/L	EPA 524.2/624
Chloroethane	<0.5	µg/L	EPA 524.2/624
2-Chloroethylvinylether	NR	µg/L	EPA 524.2/624
Chloroform	81	µg/L	EPA 524.2/624
Dichlorobromomethane	21	µg/L	EPA 524.2/624
Methyl Bromide	<0.5	µg/L	EPA 524.2/624
Methyl Chloride	<0.5	µg/L	EPA 524.2/624
Acid Extractibles			
2-Chlorophenol	NR	µg/L	EPA 625
2,4-Dichlorophenol	NR	µg/L	EPA 625
2,4-Dimethylphenol	NR	µg/L	EPA 625
2-Methyl-4,6-dinitrophenol	NR	µg/L	EPA 625
2,4-Dinitrophenol	NR	µg/L	EPA 625
2-Nitrophenol	NR	µg/L	EPA 625
4-Nitrophenol	NR	µg/L	EPA 625
4-Chloro-3-methylphenol	NR	µg/L	EPA 625
Phenol	NR	µg/L	EPA 625
2,4,6-Trichlorophenol	NR	µg/L	EPA 625
Base/Neutral Extractibles			
Acenaphthene	NR	µg/L	EPA 625
Acenaphthylene	NR	µg/L	EPA 625
Anthracene	NR	µg/L	EPA 625
Benzidine	NR	µg/L	EPA 625
Benzo(a)anthracene	NR	µg/L	EPA 625
Benzo(b)fluoranthene	NR	µg/L	EPA 625
Benzo(g,h,i)perylene	NR	µg/L	EPA 625
Benzo(k)fluoranthene	NR	µg/L	EPA 625
Bis(2-chloroethoxy)methane	NR	µg/L	EPA 625
Bis(2-chloroethyl)ether	NR	µg/L	EPA 625
Bis(2-chloroisopropyl)ether	NR	µg/L	EPA 625
4-Bromophenyl phenyl ether	NR	µg/L	EPA 625
Butyl benzyl phthalate	NR	µg/L	EPA 625
2-Chloronaphthalene	NR	µg/L	EPA 625
4-Chlorophenyl phenyl ether	NR	µg/L	EPA 625
Chrysene	NR	µg/L	EPA 625
Dibenzo(a,h)anthracene	NR	µg/L	EPA 625
1,3-Dichlorobenzene	NR	µg/L	EPA 625
3,3-Dichlorobenzidine	NR	µg/L	EPA 625
Diethyl phthalate	NR	µg/L	EPA 625
Dimethyl phthalate	NR	µg/L	EPA 625
Di-n-butyl phthalate	NR	µg/L	EPA 625
2,4-Dinitrotoluene	NR	µg/L	EPA 625
2,6-Dinitrotoluene	NR	µg/L	EPA 625
Di-n-octyl phthalate	NR	µg/L	EPA 625
Azobenzene	NR	µg/L	EPA 625
Fluoranthene	NR	µg/L	EPA 625
Fluorene	NR	µg/L	EPA 625
Hexachlorobutadiene	NR	µg/L	EPA 625
Hexachlorocyclopentadiene	NR	µg/L	EPA 625
Hexachloroethane	NR	µg/L	EPA 625
Indeno(1,2,3-cd)pyrene	NR	µg/L	EPA 625
Isophorone	NR	µg/L	EPA 625
Naphthalene	NR	µg/L	EPA 625
Nitrobenzene	NR	µg/L	EPA 625
N-Nitroso-di-n-propylamine	NR	µg/L	EPA 625
N-Nitrosodiphenylamine	NR	µg/L	EPA 625
Phenanthrene	NR	µg/L	EPA 625
Pyrene	NR	µg/L	EPA 625

NR: Not Required (Annual Requirement,Phase II FOF, Attachement A, Page 26, Item 19)

Constituent	4Q25	Unit	Method	NL	
Pesticides					
Aldrin	NR	µg/L	EPA 508.1/608		
BHC, alpha isomer	<0.2	µg/L	EPA 508.1/608		
BHC, beta isomer	<0.2	µg/L	EPA 508.1/608		
BHC, delta isomer	<0.2	µg/L	EPA 508.1/608		
4,4'-DDT	<0.2	µg/L	EPA 508.1/608		
4,4'-DDE	<0.2	µg/L	EPA 508.1/608		
4,4'-DDD	<0.2	µg/L	EPA 508.1/608		
Dieldrin	<0.2	µg/L	EPA 508.1/608		
Endosulfan I	<0.2	µg/L	EPA 508.1/608		
Endosulfan II	<0.2	µg/L	EPA 508.1/608		
Endosulfan Sulfate	<0.2	µg/L	EPA 508.1/608		
Chemicals w/ State Notification Levels (NLs)				NL	
Boron	0.1	mg/L	EPA 200.7	1	
n-butylbenzene	<0.5	µg/L	EPA 524.2	260	
sec-butylbenzene	<0.5	µg/L	EPA 524.2	260	
tert-butylbenzene	<0.5	µg/L	EPA 524.2	260	
Carbon disulfide	<0.5	µg/L	EPA 524.2	160	
Chlorate [1] (001B Eff /DCZ-LYS-25)	607 / <20	µg/L	EPA 300.0	800	
2-Chlorotoluene	<0.5	µg/L	EPA 524.2	140	
4-Chlorotoluene	<0.5	µg/L	EPA 524.2	140	
Diazinon	<0.5	µg/L	EPA 525.2	1.2	
Dichlorodifluoromethane (Freon 12)	<0.5	µg/L	EPA 524.2	1000	X
1,4 - Dioxane	0.3	µg/L	EPA 522	1	
Ethylene glycol	<10	mg/L	EPA 8015B	14	
Formaldehyde	38	µg/L	EPA 556	100	X
HMX	<20	µg/L	EPA 8330A	350	X
Isopropylbenzene	<0.5	µg/L	EPA 524.2	770	X
Manganese	21	µg/L	EPA 200.8	500	
Methyl isobutyl ketone (MIBK)	<2	µg/L	EPA 524.2	120	
Naphthalene	<0.5	µg/L	EPA 524.2	17	
N-Nitrosodiethylamine (NDEA)	<2	ng/L	EPA 521	10	
N-Nitrosodimethylamine (NDMA)	4.2	ng/L	EPA 521	10	
N-Nitrosodi-n-propylamine (NDPA)	<2	ng/L	EPA 521	10	
Propachlor	<4	µg/L	EPA 525.2	90	
N-propylbenzene	<0.5	µg/L	EPA 524.2	200	
RDX	<20	µg/L	EPA 8330A	200	
Tertiary butyl alcohol	<2	µg/L	EPA 524.2	12	
1,2,4–trimethylbenzene	<0.5	µg/L	EPA 524.2	330	
1,3,5-trimethylbenzene	<0.5	µg/L	EPA 524.2	330	
2,4,6-Trinitrotoluene	<20	µg/L	EPA 8330A	1	
Vanadium	<5	µg/L	EPA 200.8	50	
Perfluorooctanoic acid (PFOA) [2]	3.2	ng/L	EPA 537.1	5.1	
Perfluorooctanesulfonic acid (PFOS)	<2	ng/L	EPA 537.1	6.5	
Health-based and performance indicator CECs for Surface Application [3]				**RP3-1/1**	X
1,4 - Dioxane	0.3	µg/L	EPA 522	0.2	
N-nitrosodimethylamine (NDMA)	4.2	ng/L	EPA 521	<2	
N-Nitrosomorphline	6.1	ng/L	EPA 521	2.7	
Perfluorooctanoic acid (PFOA)	3.2	ng/L	EPA 537.1	4.1	X
Perfluorooctanesulfonic acid (PFOS)	<2	ng/L	EPA 537.1	1.3	
Gemfibrozil	<5	ng/L	LC-MS-MS	<5	
Iohexol	56300	ng/L	LC-MS-MS	<1000	
Sucralose	69600	ng/L	LC-MS-MS	10900	
Sulfamethoxazole	<10	ng/L	LC-MS-MS	25	
ER-α (reported in avg BEQ/MTL)	ND	ng/L	Indigo Biosciences	ND	
AhR (reported in avg BEQ/MTL)	0.731	ng/L	Indigo Biosciences	0.34	

Bold & yellow highlight signifies an exceedance of a notification level

[1] Pursuant to the GRRP regulations, recharge water may be monitored at a montioring well or lysimeter in lieu of recycled water for DDW-specified chemicals having notification levels.

[2] PFOA is being analyzed weekly for the exceedance of the NL and is reported in Section 2A of this report

[3] Monitoring results for performance indicator CECs and surrogates shall be used to evaluate the operational performance and effectiveness of the treatment process in removing CECs and shall be compared to monitoring results from well RP3-1/1 to further assess treatment performance.

Table 2-6
RWC, TOC Average, and TN Compliance Summary

Basin	SUP Start Date	SUP End Date	SUP Report Submittal	RWC Limit (120-MRA)	Months in Operation (Dec 2025)	Month	RWC_{Avg} (120-MRA)	TOC_{Avg} Limit [1] (mg/L)	Max TOC_{Avg} (20-wk avg)	Max TOC_{Avg} in mg/L (20-wk avg) Compliance	Max TOC_{Avg} in mg/L (4-sample avg)	Max TOC_{Avg} (4-sample avg) Compliance	Max TN in mg/L (2-sample avg)	TN 10 mg/L DDW Limit [2] Compliance	Recharged Water Monitoring Plan
7th & 8th Street	Sep-07	Dec-10	05/23/11	50%	220	Oct-25	25%	2.0	0.4	Met	0.4	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 93% (based on 10-year average reduction from 2014 to 2023 at 8TH-1/1) and TN reduction of 75%
						Nov-25	25%	2.0	0.4	Met	0.4	Met	6.4	Met	
						Dec-25	25%	2.0	0.4	Met	0.4	Met	6.1	Met	
Banana	Jul-05	Jan-06	10/27/06	50%	246	Oct-25	30%	1.7	0.4	Met	0.4	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 93% (based on 10-year average reduction from 2014 to 2023 at BH-1/2) and TN reduction of 47%
						Nov-25	30%	1.7	0.4	Met	0.4	Met	6.4	Met	
						Dec-25	29%	1.7	0.4	Met	0.4	Met	6.1	Met	
Brooks	Aug-08	Dec-09	07/29/10	50%	209	Oct-25	12%	4.2	0.5	Met	0.5	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 92% (based on 10-year average reduction from 2014 to 2023 at BRK-1/1) and TN reduction of 83%.
						Nov-25	12%	4.2	0.5	Met	0.5	Met	6.4	Met	
						Dec-25	12%	4.2	0.5	Met	0.5	Met	6.1	Met	
Declez	Dec-15	Sep-16	05/21/18	initial 20%	121	Oct-25	7%	7.1	2.4	Met	2.4	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 62% and TN reduction of 91%
						Nov-25	7%	7.1	2.3	Met	2.2	Met	6.4	Met	
						Dec-25	7%	7.1	2.3	Met	2.2	Met	6.1	Met	
Ely [3]	RW initiated Sep-99	NA	NA	50%	316	Oct-25	19%	2.6	0.9	Met	0.9	Met	5.6	Met	**Alternative monitoring:** *Weekly* RP-1 RW sample with TOC reduction of 86% (based on 10-year average reduction from 2009 to 2018 at Ely MW1) and TN reduction of 52%
						Nov-25	19%	2.6	0.9	Met	0.9	Met	6.6	Met	
						Dec-25	19%	2.6	0.9	Met	1.0	Met	6.6	Met	
Hickory	Sep-05	Feb-06	02/15/07	50%	244	Oct-25	13%	3.8	0.4	Met	0.4	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 93% (based on 10-year average reduction from 2014 to 2023 at BH-1/2) and TN reduction of 27%
						Nov-25	13%	3.8	0.4	Met	0.4	Met	6.4	Met	
						Dec-25	13%	3.8	0.4	Met	0.4	Met	6.1	Met	
RP3	Jun-09	Jun-10	12/15/10	50%	199	Oct-25	28%	1.8	0.7	Met	0.7	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 88% and TN reduction of 31%
						Nov-25	28%	1.8	0.7	Met	0.7	Met	6.4	Met	
						Dec-25	29%	1.7	0.7	Met	0.7	Met	6.1	Met	
San Sevaine 1-3	Aug-20	Sep-21	02/08/22	50%	65	Oct-25	18%	2.8	0.5	Met	0.5	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 92% and TN reduction of 34%
						Nov-25	18%	2.8	0.5	Met	0.5	Met	6.4	Met	
						Dec-25	18%	2.8	0.5	Met	0.5	Met	6.1	Met	
Turner 1&2	Dec-06	May-07	07/03/08	24%	229	Oct-25	23%	2.2	1.9	Met	1.9	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 70%; TN reduction of 87%
						Nov-25	23%	2.2	1.8	Met	1.8	Met	6.4	Met	
						Dec-25	22%	2.3	1.8	Met	1.7	Met	6.1	Met	
Turner 3&4	Dec-06	May-07	07/03/08	45%	229	Oct-25	24%	2.1	0.9	Met	0.9	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 85% ; TN reduction of 87%
						Nov-25	24%	2.1	0.9	Met	0.9	Met	6.4	Met	
						Dec-25	24%	2.1	0.9	Met	0.9	Met	6.1	Met	
Victoria	Sep-10	Jul-11	02/08/12	50%	184	Oct-25	25%	2.0	0.6	Met	0.6	Met	5.7	Met	**Alternative monitoring:** *Weekly* RW Blend with TOC reduction of 91% (based on 10-year average reduction from 2014 to 2023 at VCT-1/1) and TN reduction of 82%
						Nov-25	24%	2.1	0.6	Met	0.5	Met	6.4	Met	
						Dec-25	24%	2.1	0.5	Met	0.5	Met	6.1	Met	

SUP - Start-Up Period 120-MRA - The recycled water contribution (RWC) limit and the RWC avg are based on 120-month running average

TOC 20-week average and 4-sample averages are pursuant to Title 22 §60320.118(c): "Analytical results of the TOC monitoring performed pursuant to subsection (a) shall not exceed 0.5 mg/L divided by the RMA RWC"

[1] TOC_{Avg} limit is 0.5 mg/L divided by the RWC_{Avg}. Compliance is determined by checking that monthly TOC_{Avg} does not exceed the TOC_{Avg} limit. If the TOC_{Avg} limit is exceeded, the monthly TOC_{Avg} will be bolded.

[2] TN limit is 10 mg/L based on a two-sample average of the RW Blend and 001B Effluent.

[3] Ely Basin receives 001B Effluent, which is RP-1 effluent only. All other basins receive RW Blend, which is a blend of RP-1 & RP-4 recycled water.

Table 2-7a
Diluent Water Monitoring*: Local Runoff/ Stormwater

Constituent	Stormwater Declez Channel @ Declez Basin 11/18/25	Stormwater Etiwanda Creek @ Etiwanda Debris Basin 11/17/25	Stormwater San Sevaine Creek @ San Sevaine 1 Basin 11/17/25	Stormwater West Fontana Channel @ Banana Basin 11/18/25	Max Level to Trigger Source Water Evaluation	Unit	Method
NO_2-N	<0.05	<0.05	<0.05	<0.05	1	mg/L	EPA 300.0
NO_3-N	0.1	0.6	1.2	0.8	10	mg/L	EPA 300.0
TDS	306	182	108	96	1000	mg/L	SM 2540C
Total Coliform	<1.8	920	>1600	>16000	-	mpn/100ml	SM 9221B
Oil & Grease	<4	<4	<4	<4	-	mg/L	EPA 1664A
Inorganic Chemicals							
Aluminum	206	<25	296	441	1000	µg/L	EPA 200.7
Antimony	<1	<1	<1	<1	6	µg/L	EPA 200.8
Arsenic	<2	<2	<2	<2	10	µg/L	EPA 200.8
Asbestos	<0.34	<0.17	<0.34	<0.34	7	MFL	EPA 100.2
Barium	31	33	19	24	1000	µg/L	EPA 200.8
Beryllium	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 200.8
Cadmium	<0.25	<0.25	<0.25	<0.25	5	µg/L	EPA 200.8
Chromium	34.8	< 0.5	1.3	2.6	50	µg/L	EPA 200.8
Chromium VI	**33.0**	<0.4	0.8	1.9	10	µg/L	EPA 218.6
Cyanide	<20	<20	<20	<20	150	µg/L	ASTM D7284/OIA-1677
Fluoride	0.29	0.19	<0.10	0.13	2	mg/L	SM 4500-F C
Mercury	<0.5	<0.5	<0.5	<0.5	2	µg/L	EPA 245.2
Nickel	3	2	1	2	100	µg/L	EPA 200.8
Perchlorate	2	<1	<1	<1	6	µg/L	EPA 314
Selenium	<2	<2	<2	<2	50	µg/L	EPA 200.8
Thallium	<1	<1	<1	<1	2	µg/L	EPA 200.8
Volatile Organic Chemicals (VOCs)							
Benzene	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	600	µg/L	EPA 524.2
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
1,1-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	10	µg/L	EPA 524.2
Dichloromethane	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	300	µg/L	EPA 524.2
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	70	µg/L	EPA 524.2
Methyl Tert-butyl ether (MTBE)	<0.5	<0.5	<0.5	<0.5	13	µg/L	EPA 524.2
Styrene	<0.5	<0.5	<0.5	<0.5	100	µg/L	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Tetrachloroethylene	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Toluene	<0.5	<0.5	<0.5	<0.5	150	µg/L	EPA 524.2
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	200	µg/L	EPA 524.2
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Trichloroethylene	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	150	µg/L	EPA 524.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.5	<0.5	<0.5	<0.5	1200	µg/L	EPA 524.2
Vinyl Chloride	<0.5	<0.5	<0.5	<0.5	0.5	µg/L	EPA 524.2
Total Xylenes	<0.5	<0.5	<0.5	<0.5	1750	µg/L	EPA 524.2
1,2,3-Trichloropropane	<0.001	<0.001	<0.001	<0.001	0.005	µg/L	CASRL 524M-TCP
Non-Volatile Synthetic Organic Chemicals (SOCs)							
Alachlor (Alanex)	<0.1	<0.1	<0.1	<0.1	2	µg/L	EPA 508.1/525.2
Atrazine	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2
Bentazon	<2	<2	<2	<2	18	µg/L	EPA 515.4
Benzo(a)pyrene	<0.1	<0.1	<0.1	<0.1	0.2	µg/L	EPA 525.2
Carbofuran	<2	<2	<20	<2	18	µg/L	EPA 531.2
Chlordane	<0.5	<0.5	<2	<2	0.1	µg/L	EPA 505/508.1
2,4-D	<0.4	<0.4	0.6	<0.4	70	µg/L	EPA 515.4
Dalapon	<0.4	<0.4	<0.4	<0.4	200	µg/L	EPA 515.4
Dibromochloropropane	<0.01	<0.01	<0.01	<0.01	0.2	µg/L	EPA 504.1/EPA 524.3
Di(2-ethylhexyl)adipate	<0.5	<0.5	<0.5	<0.5	400	µg/L	EPA 525.2
Di(2-ethylhexyl)phthalate	<0.5	<0.5	0.6	0.7	4	µg/L	EPA 525.2
Dinoseb	<0.4	<0.4	<0.4	<0.4	7	µg/L	EPA 515.4
Diquat	<8	<3.6	<3.6	<4	20	µg/L	EPA 549.2
Endothall	<20	<20	<20	<20	100	µg/L	EPA 548.1
Endrin	<0.2	<0.2	<0.2	<0.2	2	µg/L	EPA 505/508.1
Ethylene Dibromide	<0.02	<0.02	<0.02	<0.02	0.05	µg/L	EPA 504.1
Glyphosate	<25	<25	<25	<25	700	µg/L	EPA 547
Heptachlor	<0.2	<0.2	<0.2	<0.2	0.01	µg/L	EPA 505/508.1
Heptachlor Epoxide	<0.2	<0.2	<0.2	<0.2	0.01	µg/L	EPA 505/508.1
Hexachlorobenzene	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 525.2/EPA508.1
Hexachlorocyclopentadiene	<0.5	<0.5	<0.5	<0.5	50	µg/L	EPA 525.2/EPA508.1
Lindane	<0.2	<0.2	<0.2	<0.2	0.2	µg/L	EPA 505/508.1
Methoxychlor	<0.2	<0.2	<0.2	<0.2	30	µg/L	EPA 505/508.1
Molinate	<0.5	<0.5	<0.5	<0.5	20	µg/L	EPA 525.2

Table 2-7a
Diluent Water Monitoring*: Local Runoff/ Stormwater

Constituent	Stormwater Declez Channel @ Declez Basin 11/18/25	Stormwater Etiwanda Creek @ Etiwanda Debris Basin 11/17/25	Stormwater San Sevaine Creek @ San Sevaine 1 Basin 11/17/25	Stormwater West Fontana Channel @ Banana Basin 11/18/25	Max Level to Trigger Source Water Evaluation	Unit	Method
Oxamyl	<2	<2	<20	<2	50	µg/L	EPA 531.2
Pentachlorophenol	<0.2	<0.2	<0.2	<0.2	1	µg/L	EPA 515.4
Picloram	<0.6	<0.6	<0.6	<0.6	500	µg/L	EPA 515.4
PCB 1016	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
PCB 1221	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
PCB 1232	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
PCB 1242	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
PCB 1248	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
PCB 1254	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
PCB 1260	<10	<2	<2	<10	0.5	µg/L	EPA 505/508.1
Simazine	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 525.2
Thiobencarb	<0.5	<0.5	<0.5	<0.5	70	µg/L	EPA 525.2
Toxaphene	<20	<20	<20	<20	3	µg/L	EPA 505/508.1
2,3,7,8-TCDD (Dioxin)	<50	<25	<25	<25	30	pg/L	EPA 1613
2,4,5-TP (Silvex)	<0.2	<0.2	<0.2	<0.2	50	µg/L	EPA 515.4
Disinfection Byproducts							
Total Trihalomethanes (TTHMs)	<0.5	<0.5	<0.5	<0.5	80	µg/L	EPA 524.2/624
Total Haloacetic Acids (HAA5)	5.3	<0.5	7.1	2.1	60	µg/L	SM 6251B/EPA 552.3
Bromate	0.010	<0.005	0.009	0.007	0.01	mg/L	EPA 300.1/317
Chlorite	<0.01	<0.01	<0.01	<0.01	1	mg/L	EPA 300.0
Action Level Chemicals							
Copper	11	2	5	12	1300	µg/L	EPA 200.8
Lead	<0.5	<0.5	<0.5	1.4	15	µg/L	EPA 200.8
Radionuclides							
Combined Radium-226 & Radium 228	<3	<3	<3	<3	5	pCi/L	EPA 903.0
Gross Alpha Particle Activity	<3	<3	<3	<3	15	pCi/L	EPA 900.0/SM7110C
Tritium	<300	<300	<300	<300	20,000	pCi/L	EPA 906.0
Strontium-90	<3	<3	<3	<3	8	pCi/L	EPA 905.0
Gross Beta Particle Activity	28	3	4	3	50	pCi/L	EPA 900.0
Uranium	<1	<1	<1	<1	20	pCi/L	EPA 200.8
Chemicals w/ State Notification Levels							
Boron	<0.1	<0.1	<0.1	<0.1	1	mg/L	EPA 200.7
n-butylbenzene	<0.5	<0.5	<0.5	<0.5	260	µg/L	EPA 524.2
sec-butylbenzene	<0.5	<0.5	<0.5	<0.5	260	µg/L	EPA 524.2
tert-butylbenzene	<0.5	<0.5	<0.5	<0.5	260	µg/L	EPA 524.2
Carbon disulfide	<0.5	<0.5	<0.5	<0.5	160	µg/L	EPA 524.2
Chlorate	457	<200	373	126	800	µg/L	EPA 300.0
2-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	140	µg/L	EPA 524.2
4-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	140	µg/L	EPA 524.2
Diazinon	<0.5	<0.5	<0.5	<0.5	1.2	µg/L	EPA 525.2
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	<0.5	1000	µg/L	EPA 524.2
1,4 - Dioxane	<15	<15	<15	<15	1	µg/L	EPA 522
Ethylene glycol	<10	<10	<10	<10	14	mg/L	EPA 8015B/504.1
Formaldehyde	28	4	10	8	100	µg/L	EPA 556
HMX	<50	<50	<50	<50	350	µg/L	EPA 8330A
Isopropylbenzene	<0.5	<0.5	<0.5	<0.5	770	µg/L	EPA 524.2
Manganese	7	<1	7	15	500	µg/L	EPA 200.8
Methyl isobutyl ketone (MIBK)	<2	<2	<2	<2	120	µg/L	EPA 524.2
Naphthalene	<0.5	<0.5	<0.5	<0.5	17	µg/L	EPA 524.2
N-Nitrosodiethylamine (NDEA)	<2	<2	<2	<2	10	ng/L	EPA 521
N-nitrosodimethylamine (NDMA)	<2	<2	<2	<2	10	ng/L	EPA 521
N-Nitrosodi-n-propylamine (NDPA)	<2	<2	<2	<2	10	ng/L	EPA 521
PFOA	**5.5**	<2.0	**8.3**	3.7	*4.0*** / 5.1 (NL)	ng/L	EPA 537.1
PFOS	2.8	<2.0	**4.6**	2.5	*4.0*** / 5.1 (NL)	ng/L	EPA 537.1
Propachlor	<0.5	<0.5	<0.5	<0.5	90	µg/L	EPA 525.2
N-propylbenzene	<0.5	<0.5	<0.5	<0.5	200	µg/L	EPA 524.2
RDX	<50	<50	<50	<50	0.3	µg/L	EPA 8330A
Tertiary butyl alcohol	<0.5	<0.5	<0.5	<0.5	12	µg/L	EPA 524.2
1,2,4 –trimethylbenzene	<0.5	<0.5	<0.5	<0.5	330	µg/L	EPA 524.2
1,3,5-trimethylbenzene	<0.5	<0.5	<0.5	<0.5	330	µg/L	EPA 524.2
2,4,6-Trinitrotoluene	<50	<50	<50	<50	1	µg/L	EPA 8330A
Vanadium	8	<5	<5	<5	50	µg/L	EPA 200.8
Secondary Maximum Contaminant Level Chemicals***							
Aluminum	206	<25	296	441	--	µg/L	EPA 200.8
Corrosivity	2.6	0.1	-1.2	0.7	--	SI	SM 2330B
Foaming Agents (MBAS)	<0.1	<0.1	<0.1	0.1	--	mg/L	SM 5540C/EPA 425.1
Iron	154	20	305	470	--	µg/L	EPA 200.7
Manganese	7	<1	7	15	--	µg/L	EPA 200.7
Odor--Threshold	1.4	3	4	4	--	TON	SM 2150B
Silver	<0.25	<0.25	<0.25	<0.25	--	µg/L	EPA 200.7
Thiobencarb	<0.5	<0.5	<0.5	<0.5	--	µg/L	EPA 525.2
Zinc	22	1	12	36	--	µg/L	EPA 200.7

* Diluent monitoring is monitored per the schedule identified in the CDPH-approved Diluent Water Monitoring Plan

** New Federal MCL effective June 25, 2024 are italicized

*** Max level to trigger source water evaluation do not apply to secondary (aesthetic) MCLs

NA: Not available at time of reporting

Bold & yellow highlight signifies an exceedance of the maximum level to trigger a source water evaluation.

Table 2-7b

Diluent Water Monitoring: State Water Project - Silverwood Lake

Constituent	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Unit
Silica	10.4	9.4	8.8	7.8	7.0	6.2	9.6	10.6	11.0	11.0	11.2	10.7	mg/L
Calcium	17	17	18	20	19	20	19	18	15	15	16	18	mg/L
Magnesium	10	10	11	11	11	11	11	10	8	9	12	13	mg/L
Sodium	37	40	43	41	38	42	41	36	25	33	54	61	mg/L
Potassium	2.3	2.5	2.6	2.6	2.5	2.8	2.8	2.5	1.9	2.1	2.9	3.3	mg/L
Carbonate	0	0	0	0	0	0	0	0	0	0	0	0	mg/L
Bicarbonate	85	87	90	96	95	94	94	89	81	82	84	88	mg/L
Sulfate	22	23	25	29	31	33	32	25	16	15	20	26	mg/L
Chloride	50	57	61	53	46	55	55	45	32	46	85	97	mg/L
Nitrate	1.4	1.4	1.4	1.0	0.9	0.4	1.0	0.5	0.3	0.4	0.5	1.3	mg/L
Fluoride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/L
Total Dissolved Solids	192	204	216	213	203	217	218	192	150	173	244	274	mg/L
Total Hardness as $CaCO_3$	81	85	90	103	94	95	100	88	74	77	89	106	mg/L
Total Alkalinity as $CaCO_3$	70	71	74	79	78	77	77	73	66	67	69	72	mg/L
Free Carbon Dioxide	2.5	1.9	1.8	1.0	1.8	0.9	2.1	1.3	1.7	1.2	1.5	1.8	mg/L
pH	7.76	7.88	7.92	8.20	7.95	8.25	7.88	8.07	7.89	8.04	7.96	7.91	unit
Specific Conductance	353	380	401	369	372	404	402	354	268	316	466	520	µmho/cm
Color	5	--	--	10	--	--	10	--	--	10	--	--	CU
Turbidity	1.00	0.75	1.70	1.20	1.20	0.72	0.99	1.5	1.2	1.5	1.0	1.2	NTU
Temperature	11	9	10	13	16	20	23	23	25	22	18	13	°C
Bromide	0.16	0.18	0.19	0.15	0.13	0.16	0.15	0.13	0.09	0.14	0.28	0.31	mg/L
Total Organic Carbon	2.87	2.95	3.44	4.00	4.56	4.10	3.78	3.72	3.00	2.74	2.52	2.74	mg/L

Table 2-8
Summary of Wells in Groundwater Monitoring Networks

BASIN	CBWM_ID	OWNER/LOCAL NAME	SEPARATION DISTANCE (feet)	SCREENED INTERVAL(S) (feet bgs)	CASING DIAMETER (inches)	STATUS	TYPE
Hickory and Banana Basins	600490	Fontana Water Company - F7a[3]	3330 upgradient	590-1000	18	Active	Municipal
	--	Fontana Water Company - F7b[5]	3100 upgradient	600-990	20	Active	Municipal
	600660	California Speedway - Infield Well	2070 downgradient	NA	NA	Active	Industrial
	3601365	California Speedway 2	2780 downgradient	451-455, 491-603, & 664-780	20	Active	Industrial
	3600371	Reliant Energy - East Well	4070 downgradient	434-467, 500-513, 553-580, 593-652, & 825-847	20	Active	Industrial
	601002	Inland Empire Utilities Agency - BH-1/2	340 downgradient	435-475	4	Active	Monitoring
	--	Inland Empire Utilities Agency - BH-2/1[6]	4635 downgradient	560-600	4	Active	Monitoring
Turner Basins	600453	City Of Ontario - 29	2810 downgradient	400-1095	18	Active	Municipal
	600585	City of Ontario - 38[1]	4600 crossgradient	500-1010	16	Active	Municipal
	600998	Inland Empire Utilities Agency - T-1/2	50 downgradient	380-400	4	Active	Monitoring
	601000	Inland Empire Utilities Agency - T-2/2	50 downgradient	392-412	4	Active	Monitoring
Declez Basin	300208	Jurupa Community Services District - 19	8900 downgradient	230-390	18	Active	Municipal
	300207	Jurupa Community Services District - 17	5240 downgradient	259-290, & 300-400	NA	Active	Municipal
	300200	Jurupa Community Services District - 13	5730 downgradient	220-446	16-34	Active	Municipal
	300484	Inland Empire Utilities Agency - DCZ-1/1	50 downgradient	155-175	4	Active	Monitoring
	--	Inland Empire Utilities Agency - DCZ-2	4,100 downgradient	240-270	4	Active	Monitoring
RP3 Basins	600492	Fontana Water Company - F23a	7900 upgradient	450-740	18	Active	Municipal
	600477	Inland Empire Utilities Agency - Southridge JHS	5500 downgradient	NA	NA	Active	Monitoring
	600848	Alcoa - Offsite MW1	9480 downgradient	NA	NA	Active	Monitoring
	600850	Alcoa - Offsite MW3	4725 downgradient	NA	NA	Active	Monitoring
	601040	Inland Empire Utilities Agency - RP3-1/1	100 downgradient	215-235	4	Active	Monitoring
Jurupa Basin	Not currently planned for recharge						
7th & 8th Street Basins	600493	City of Ontario No. 35	9695 downgradient	580-1020	18-36	Active	Municipal
	601036	Inland Empire Utilities Agency - 8TH-1/1	150 downgradient	495-535	4	Active	Monitoring
	601037	Inland Empire Utilities Agency - 8TH-1/2	150 downgradient	595-645	4	Active	Monitoring
	601038	Inland Empire Utilities Agency - 8TH-2/1	2460 downgradient	465-505	4	Active	Monitoring
	601039	Inland Empire Utilities Agency - 8TH-2/2	2460 downgradient	576-616	4	Active	Monitoring
Brooks Basins	1901719	City of Pomona P-10	1983 downgradient	295-784	20	Active	Municipal
	1904001	City of Pomona P-34	2550 downgradient	363-367,380-400, 419-427	20	Active	Municipal
	601050	Inland Empire Utilities Agency - BRK-1/1	144 downgradient	310-350	4	Active	Monitoring
	601051	Inland Empire Utilities Agency - BRK-1/2	144 downgradient	520-560	4	Active	Monitoring
	601048	Inland Empire Utilities Agency - BRK-2/1	1305 downgradient	320-360	4	Active	Monitoring
	601049	Inland Empire Utilities Agency - BRK-2/2	1305 downgradient	560-600	4	Active	Monitoring
San Sevaine Basins	600905	Cucamonga Valley Water District No. 39	8300-13170 downgradient	750-870, 940-960, 970-1060, & 1080-1130,	20	Active	Municipal
	601115	Inland Empire Utilities Agency - SS-1/1	~39-116 downgradient	640-680	4	Active	Monitoring
	--	Inland Empire Utilities Agency - SSV-2	200 downgradient	370-395	4	Active	Monitoring
	600462	Unitex 91090	~1601 downgradient	NA	NA	Active	Private Domestic
Victoria Basin	600905	Cucamonga Valley Water District No. 39	4329 downgradient	750-870, 940-960, 970-1060, & 1080-1130,	20	Active	Municipal
	601033	Cucamonga Valley Water District No. 43[2]	8300 downgradient	650-800	32-42	Active	Municipal
	601117	Inland Empire Utilities Agency - VCT-1/1	~39-116 downgradient	570-610	4	Active	Monitoring
	--	Inland Empire Utilities Agency - VCT-2/2	~ 2000 downgradient	570-610	4	Active	Monitoring
Ely Basin	--	Inland Empire Utilities Agency - Ely-3[4]	100 downgradient	246-306	4	Active	Monitoring
	601004	Ely Basin MW-2, Walnut Well (Casing 2)	3050 downgradient	290 - 310	4	Active	Monitoring
	3600975	Riverside Drive Well (43840-CWW)	6046 downgradient	NA	NA	Active	Private Irrigation
	600134	Bishop Of San Bernardino Corp. - DOM	6500 downgradient	NA	NA	Active	Private Domestic

Notes:

NA = Data not available
CBWM ID = Chino Basin Water Master well identification number
bgs = below ground surface

[1] = Ontario Well No. 38 replaced Ontario Well No. 19, which is inactive
[2] = Cucamonga Valley Water District No. 43 replaced CVWD Well Nos. 35 & 36, which are inactive.
[3] = Fontana Water Company Well 7A replaced Fontana Water Company Well 37A (1Q18)
[4] = Inland Empire Utilities Agency Ely-3 replaced Ely Basin MW-1, Philadelphia Well (Casing 3)
[5] =Fontana Water Company Well 7B sampled when Fontana Water Company Well 7A is out of service
[6] = Inland Empire Utilities Agency BH-2/1 replaced Reliant Energy, East Well

Table 2-9

Groundwater Monitoring Well Results (Quarterly)

Sample Location		Date	TOC (mg/L)	Total Coliform (MPN/100mL)	pH	EC (µmho/cm)	Al (µg/L)	Color (units)	Cu (µg/L)	Corrosivity Index (SI)	Foaming Agents (mg/L)	Fe (µg/L)	Mn (µg/L)	MTBE (µg/L)	Odor Threshold (TON)	Ag (µg/L)	Thiobencarb (µg/L)	Turbidity (NTU)	Zn (µg/L)	TDS (mg/L)	Cl (mg/L)	Hardness (mg $CaCO_3$/L)	Na (mg/L)	SO_4 (mg/L)	Nitrogen, Total (mg/L)	NO_2-N (mg/L)	NO_3-N (mg/L)	Dissolved Oxygen (mg/L)
Banana & Hickory	Fontana Water Co. - F7a	12/01/25	<0.3	<1.1	7.7	357	<25	<5	<3	0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.6	<2	218	8	157	20	12	3.1	<0.05	3.1	8.5
	California Speedway 2	10/01/25	<0.3	11	7.8	436	<25	<5	<3	0.4	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.1	<2	272	20	187	19	22	6.3	<0.05	6.3	4.8
	BH-1/2*	11/04/25	0.3	<1.1	8.1	481	<25	<5	<3	0.6	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.4	<2	290	48	197	24	28	1.0	<0.05	1.0	8.2
	BH-2/1*	11/13/25	<0.3	<1.1	7.7	580	<25	<5	<3	0.2	<0.1	<15	2	<0.5	<1	<0.25	<0.5	0.1	7	408	75	249	21	31	3.8	<0.05	3.8	8.9
	BH-2/2*	11/13/25	<0.3	<1.1	7.6	377	<25	<5	<3	0.0	<0.1	<15	2	<0.5	<1	<0.25	<0.5	0.1	<2	240	18	161	20	14		<0.05	6.4	9.2
Turner	Ontario Well No. 29	10/22/25	<0.3	<1.1	7.3	344	<25	<5	<3	-0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.2	<2	204	8	135	23	12	1.9	<0.05	1.9	7.9
	Ontario Well No. 38	10/22/25	<0.3	<1.1	7.5	320	<25	<5	<3	-0.1	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	154	7	131	20	7	2.0	<0.05	2.0	8.4
	T-1/2*	12/04/25	<0.3	<1.1	7.6	474	<25	<5	<3	-0.1	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	1.0	<2	284	74	132	47	8	<0.6	<0.05	<0.1	3.0
	T-2/2*	11/04/25	0.3	<1.1	7.9	517	<25	<5	<3	0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	1.9	<2	324	54	140	55	31	1.2	<0.05	1.2	1.6
RP3	Alcoa MW1*	12/08/25	0.5	<1.1	7.9	894	<25	<5	<3	0.6	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.3	<2	***726***	184	341	30	26	4.4	<0.05	4.4	8.1
	Alcoa MW3*	12/08/25	0.3	<1.1	7.5	***1040***	<25	<5	<3	0.4	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	***582***	160	378	53	57	13.3	<0.05	***13.3***	8.2
	Fontana Water Co. - F23a	12/01/25	<0.3	<1.1	7.7	384	<25	<5	<3	0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.3	2	216	13	157	20	19	5.7	<0.05	5.7	8.2
	Southridge JHS*	11/05/25	<0.3	4	7.5	***927***	<25	<5	<3	0.4	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	1.1	5	***564***	82	328	54	69	15.4	<0.05	***15.4***	7.2
	RP3-1/1*	11/10/25	0.6	<1.1	7.2	692	<25	<5	17.8	-0.4	<0.1	<15	***298***	<0.5	<1	<0.25	<0.5	***7.8***	3	396	101	135	86	40		<0.05		0.3
7th & 8th Street	Ontario Well No. 35	10/22/25	<0.3	<1.1	7.4	346	<25	<5	<3	-0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	172	7	139	24	19	3.4	<0.05	3.4	6.9
	8TH-1/1*	10/23/25	<0.3	<1.1	7.8	321	<25	5	<3	-0.1	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	***12.0***	<2	194	34	112	23	13	1.9	<0.05	1.9	6.7
	8TH-1/2*	10/23/25	<0.3	<1.1	7.6	525	<25	5	<3	0.1	<0.1	<15	37	<0.5	<1	0.44	<0.5	***16.7***	<2	314	65	221	18	28	1.1	<0.05	1.1	4.4
	8TH-2/1*	10/27/25	<0.3	<1.1	7.7	545	<25	<5	<3	0.3	<0.1	<15	2	<0.5	<1	<0.25	<0.5	1.0	<2	276	32	238	18	27	14.9	<0.05	***14.9***	9.1
	8TH-2/2*	10/27/25	<0.3	<1.1	8.0	438	<25	10	<3	0.3	<0.1	<15	8	<0.5	<1	<0.25	<0.5	***13.9***	<2	256	50	185	16	26	1.8	<0.05	1.8	5.3
Brooks	Pomona Well No. 10	10/02/25	<0.3	<1.1	7.5	498	<25	<5	<3	0.0	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	272	40	230	13	34	5.7	<0.05	5.7	8.0
	BRK-1/1*	11/06/25	<0.3	<1.1	7.9	480	<25	<5	<3	0.4	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.3	<2	284	33	173	33	33	5.6	<0.05	5.6	10.3
	BRK-1/2*	11/06/25	<0.3	<1.1	7.8	656	<25	<5	<3	0.5	<0.1	<15	<1	<0.5	1	<0.25	<0.5	0.1	<2	450	29	300	15	55	20.8	<0.05	***20.8***	10.7
	BRK-2/1*	11/03/25	<0.3	<1.1	7.9	548	<25	<5	<3	0.6	<0.1	<15	2	<0.5	<1	<0.25	<0.5	0.7	<2	364	41	259	11	37	6.6	<0.05	6.6	8.2
	BRK-2/2*	11/03/25	<0.3	<1.1	8.4	409	<25	<5	<3	0.7	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.3	<2	248	10	139	32	24	10.7	<0.05	***10.7***	6.7
Ely	Ely Basin MW2 Walnut St.*	12/04/25	0.4	<1.1	7.5	***1028***	<25	<5	<3	0.5	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.1	<2	***684***	88	426	35	65	30.4	<0.05	***30.4***	7.0
	Ely-3*	10/30/25	0.6	<1.1	7.5	514	<25	<5	<3	-0.4	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.3	<2	236	78	120	60	28	<0.6	<0.05	0.4	3.2
	Riverside Well (43840-CWW)*	10/20/25	<0.3	2	7.8	547	<25	<5	<3	0.5	<0.1	<15	5	<0.5	<1	<0.25	<0.5	<0.1	20	326	31	239	21	28	8.0	<0.05	8.0	7.6
	Bishop of SB Corp. - DOM	10/20/25	<0.3	<1.1	7.6	882	<25	<5	<3	0.6	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	31	***530***	40	390	24	66	21.0	<0.05	***21.0***	7.3
Victoria & San Sevaine	SS-1/1*	11/12/25	<0.3	<1.1	7.3	324	<25	<5	<3	-0.5	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	1.1	<2	220	32	131	18	20	3.2	<0.05	3.2	8.4
	SSV-2*	11/12/25	<0.3	<1.1	7.5	492	<25	15	<3	-0.1	<0.1	<15	2	<0.5	<1	<0.25	<0.5	***28.0***	<2	328	65	165	43	25	1.2	<0.05	1.2	5.8
	VCT-1/1*	12/01/25	0.3	<1.1	7.5	537	<25	<5	<3	0.0	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	1.5	<2	332	68	207	24	33	<0.6	<0.05	0.3	3.6
	VCT-2/2*	12/01/25	<0.3	68.3	8.0	377	<25	<5	<3	0.4	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.2	2	224	20	156	20	15	6.4	<0.05	6.4	9.0
	CVWD Well No. 39	10/02/25	<0.3	<1.1	7.8	278	<25	<5	<3	0.0	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	186	6	108	19	10		<0.05	3.1	8.1
	CVWD Well No. 43	10/02/25	<0.3	<1.1	7.6	358	<25	<5	<3	0.0	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.1	<2	212	13	150	20	15	4.0	<0.05	4.0	8.4
	Unitex 91090*	11/05/25	<0.3	11.0	7.7	475	<25	<5	<3	0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	276	52	202	16	28	1.8	<0.05	1.8	6.7
Declez	JCSD Well No. 13	10/01/25	<0.3	<1.1	7.8	662	<25	<5	<3	0.5	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	0.1	<2	442	69	266	28	31	8.6	<0.05	8.6	7.1
	JCSD Well No. 17	10/01/25	<0.3	<1.1	8.0	660	<25	<5	<3	0.6	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	340	51	226	30	35	7.8	<0.05	7.8	6.4
	JCSD Well No. 19	10/01/25	<0.3	<1.1	7.3	570	<25	<5	<3	-0.2	<0.1	<15	<1	<0.5	<1	<0.25	<0.5	<0.1	<2	238	18	151	27	17	5.4	<0.05	5.4	7.9
	DCZ-2*	12/03/25	<0.3	<1.1	7.9	591	<25	<5	<3	0.4	<0.1	<15	3	<0.5	<1	<0.25	<0.5	1.3	165	372	76	210	39	39	6.2	<0.05	6.2	8.3
	Detection Limit		0.3	1			25	5	3.0		0.10	15	1	1	1	0.25	0.50	0.1	2		2	1	5	2	0.6	0.05	0.1	
	Primary Maximum Contaminant Level						1000		1300					13			70									1	10	
	Secondary Maximum Contaminant Level				6.5-8.5	900	200	15	1000		0.5	300	50	5	3	100	1	5	5000	500	250			250			

Blank cells indicate that analysis was not run for a constituent on that particular date. On certain dates, supplemental analysis was conducted on several monitoring wells. On those occasions, a full set of analysis was not necessary and only parameters of interest were analyzed.

* Total dissolved metals reported for these wells. The remaining wells report total recoverable metals values.

Table 3-1
Diluent & Recycled Water Recharge Volume (Acre-Feet)

	Diluent Water																				Recycled Water									
	Imported Water										Local Runoff / Storm Flow																			
Date	7th & 8th St.	Banana	Brooks	Declez	Ely	Hickory	RP3	San Sevaine	Turner	Victoria	7th & 8th St.	Banana	Brooks	Declez	Ely	Hickory	RP3	San Sevaine	Turner	Victoria	7th & 8th St.	Banana	Brooks	Declez	Ely	Hickory	RP3	San Sevaine	Turner	Victoria
Jan-25	0	0	0	0	0	0	0	0	0	0	53	21	11	57	0	8	21	38	90	13	333	39	94	161	0	39	186	305	275	93
Feb-25	0	0	0	0	0	0	0	0	0	0	293	21	86	156	0	66	143	330	272	95	205	53	38	32	0	0	91	122	74	36
Mar-25	0	0	0	0	0	0	0	0	0	0	257	20	62	159	0	54	123	200	300	85	211	26	55	56	0	26	81	116	78	51
1Q25 Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**603**	**61**	**159**	**372**	**0**	**128**	**287**	**568**	**662**	**193**	**750**	**118**	**187**	**248**	**0**	**64**	**358**	**543**	**427**	**179**
Apr-25	0	0	0	0	0	0	0	0	0	0	12	1	9	17	24	13	0	7	160	8	227	79	81	157	181	79	262	175	164	103
May-25	0	0	0	0	0	0	0	0	0	0	11	3	7	74	29	15	31	33	48	24	293	75	120	113	204	75	193	118	231	113
Jun-25	0	0	0	0	0	0	0	0	0	0	4	1	2	57	103	6	0	5	31	4	255	80	80	127	15	80	84	137	308	132
2Q25 Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**27**	**5**	**18**	**148**	**156**	**34**	**31**	**45**	**239**	**36**	**775**	**233**	**281**	**397**	**400**	**233**	**540**	**431**	**704**	**349**
Jul-25	0	0	0	0	0	0	0	0	0	0	7	0	12	15	93	0	0	0	25	1	270	78	73	175	91	78	116	107	226	138
Aug-25	0	0	0	0	0	0	0	0	0	0	7	0	0	17	62	0	0	0	37	2	338	81	34	192	185	81	128	120	67	152
Sep-25	0	0	0	0	0	0	0	0	0	0	6	0	0	16	14	0	0	0	27	2	233	55	40	182	201	55	176	417	153	134
3Q25	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**12**	**48**	**169**	**0**	**0**	**0**	**89**	**5**	**841**	**214**	**148**	**549**	**477**	**214**	**420**	**644**	**447**	**424**
Oct-25	0	0	0	0	0	0	0	0	0	0	133	12	25	76	241	21	11	44	65	19	182	35	13	92	151	35	967	440	86	65
Nov-25	0	0	0	0	0	0	0	0	0	0	192	51	144	106	329	46	283	296	213	116	83	13	0	61	23	29	929	228	27	7
Dec-25	0	0	0	0	0	0	0	0	18	0	129	35	108	81	264	54	221	410	227	118	81	14	0	78	77	9	926	246	33	0
4Q25	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18**	**0**	**453**	**98**	**277**	**264**	**834**	**121**	**515**	**750**	**505**	**253**	**346**	**62**	**13**	**231**	**251**	**73**	**2822**	**913**	**146**	**73**

Table 6-1
MVWD ASR Project - TIN/TDS Mass Balance

	ASR Well No. 4									
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
1Q25	Jan-25	0.0	0.4	200	151	13.0	400	(2,677)	(47,220)	(1,311,621)
	Feb-25	0.0	0.4	200	55	13.0	400	(2,732)	(48,097)	(1,338,598)
	Mar-25	0.0	0.4	200	93	13.0	400	(2,824)	(49,584)	(1,384,347)
2Q25	Apr-25	0.0	0.3	210	91	13.0	400	(2,915)	(51,040)	(1,429,158)
	May-25	0.0	0.3	210	68	13.0	400	(2,984)	(52,138)	(1,462,920)
	Jun-25	0.0	0.3	210	68	13.0	400	(3,051)	(53,224)	(1,496,347)
3Q25	Jul-25	0.0	0.3	260	131	13.0	400	(3,182)	(55,325)	(1,561,005)
	Aug-25	0.0	0.3	260	156	13.0	400	(3,339)	(57,835)	(1,638,221)
	Sep-25	0.0	0.3	260	124	13.0	400	(3,463)	(59,824)	(1,699,424)
4Q25	Oct-25	0.0	0.3	190	34	13.0	400	(3,497)	(60,365)	(1,716,074)
	Nov-25	0.0	0.3	190	0	13.0	400	(3,497)	(60,365)	(1,716,074)
	Dec-25	0.0	0.3	190	0	13.0	400	(3,497)	(60,365)	(1,716,074)

	ASR Well No. 30									
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
1Q25	Jan-25	0.0	0.4	200	0	12.0	250	(562)	(60,074)	(687,037)
	Feb-25	0.0	0.4	200	68	12.0	250	(629)	(61,073)	(707,861)
	Mar-25	0.0	0.4	200	97	12.0	250	(726)	(62,504)	(737,675)
2Q25	Apr-25	0.0	0.3	210	0	12.0	250	(726)	(62,504)	(737,675)
	May-25	0.0	0.3	210	0	12.0	250	(726)	(62,504)	(737,675)
	Jun-25	0.0	0.3	210	0	12.0	250	(726)	(62,504)	(737,675)
3Q25	Jul-25	0.0	0.3	260	0	12.0	250	(726)	(62,504)	(737,675)
	Aug-25	0.0	0.3	260	0	12.0	250	(726)	(62,504)	(737,675)
	Sep-25	0.0	0.3	260	0	12.0	250	(726)	(62,504)	(737,675)
4Q25	Oct-25	0.0	0.3	190	238	12.0	250	(964)	(66,025)	(811,028)
	Nov-25	0.0	0.3	190	130	12.0	250	(1,094)	(67,956)	(851,254)
	Dec-25	0.0	0.3	190	0	12.0	250	(1,094)	(67,956)	(851,254)

	ASR Well No. 32									
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
1Q25	Jan-25	0.0	0.4	200	94	12.0	330	(2,662)	(49,756)	(700,779)
	Feb-25	0.0	0.4	200	19	12.0	330	(2,681)	(50,038)	(708,538)
	Mar-25	0.0	0.4	200	102	12.0	330	(2,783)	(51,551)	(750,160)
2Q25	Apr-25	0.0	0.3	210	77	12.0	330	(2,861)	(52,697)	(781,670)
	May-25	0.0	0.3	210	106	12.0	330	(2,967)	(54,268)	(824,855)
	Jun-25	0.0	0.3	210	96	12.0	330	(3,063)	(55,690)	(863,978)
3Q25	Jul-25	0.0	0.3	260	85	12.0	330	(3,148)	(56,946)	(898,525)
	Aug-25	0.0	0.3	260	92	12.0	330	(3,240)	(58,312)	(936,084)
	Sep-25	0.0	0.3	260	0	12.0	330	(3,240)	(58,312)	(936,084)
4Q25	Oct-25	0.0	0.3	190	102	12.0	330	(3,342)	(59,826)	(977,706)
	Nov-25	0.0	0.3	190	168	12.0	330	(3,510)	(62,308)	(1,045,973)
	Dec-25	0.0	0.3	190	120	12.0	330	(3,630)	(64,088)	(1,094,919)

The injected water is WFA-treated water, which meets CCR Title 22 drinking wate

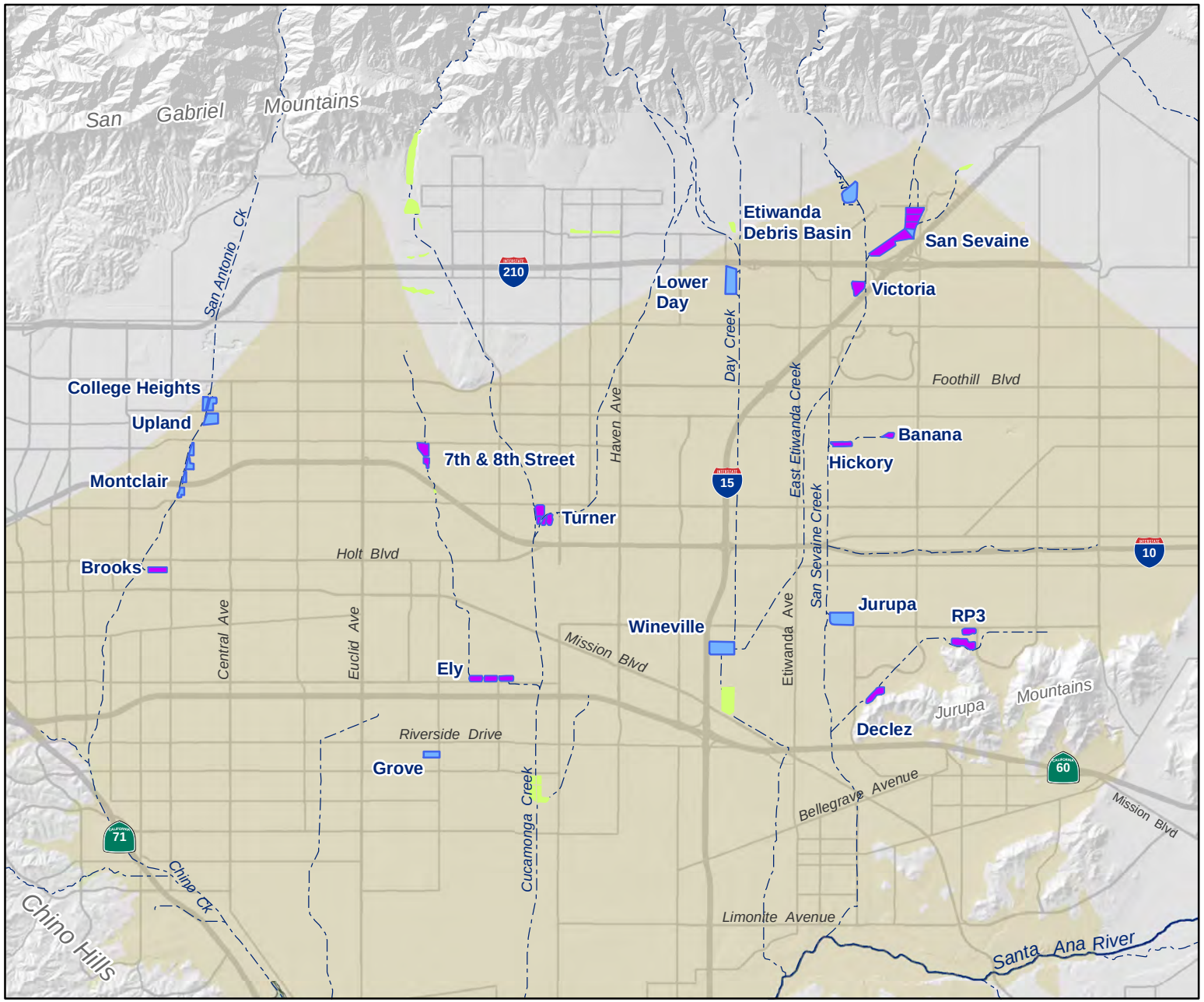
Cells shaded in grey reflect most recent lab values.

Table 6-1
MVWD ASR Project - TIN/TDS Mass Balance

		ASR Well No. 33								
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
1Q25	Jan-25	0.0	0.4	200	588	12.0	320	(2,650)	(88,389)	(1,385,919)
	Feb-25	0.0	0.4	200	498	12.0	320	(3,148)	(95,767)	(1,582,662)
	Mar-25	0.0	0.4	200	512	12.0	320	(3,660)	(103,342)	(1,784,676)
2Q25	Apr-25	0.0	0.3	210	581	12.0	320	(4,241)	(111,942)	(2,013,984)
	May-25	0.0	0.3	210	632	12.0	320	(4,872)	(121,296)	(2,263,425)
	Jun-25	0.0	0.3	210	673	12.0	320	(5,545)	(131,257)	(2,529,067)
3Q25	Jul-25	0.0	0.3	260	710	12.0	320	(6,255)	(141,765)	(2,809,280)
	Aug-25	0.0	0.3	260	771	12.0	320	(7,026)	(153,182)	(3,113,736)
	Sep-25	0.0	0.3	260	707	12.0	320	(7,734)	(163,653)	(3,392,954)
4Q25	Oct-25	0.0	0.3	190	725	12.0	320	(8,459)	(174,392)	(3,679,338)
	Nov-25	0.0	0.3	190	606	12.0	320	(9,065)	(183,363)	(3,918,566)
	Dec-25	0.0	0.3	190	707	12.0	320	(9,772)	(193,823)	(4,197,484)

The injected water is WFA-treated water, which meets CCR Title 22 drinking wate
Cells shaded in grey reflect most recent lab values.

		Total Project (All Wells)			
			Mass Balance		
	Date		Storage (AF)	TIN (kg)	TDS (kg)
1Q25	Jan-25		(8,551)	(245,439)	(4,085,356)
	Feb-25		(9,190)	(254,975)	(4,337,660)
	Mar-25		(9,994)	(266,982)	(4,656,858)
2Q25	Apr-25		(10,743)	(278,183)	(4,962,487)
	May-25		(11,549)	(290,205)	(5,288,876)
	Jun-25		(12,386)	(302,676)	(5,627,068)
3Q25	Jul-25		(13,311)	(316,541)	(6,006,485)
	Aug-25		(14,331)	(331,834)	(6,425,716)
	Sep-25		(15,163)	(344,293)	(6,766,138)
4Q25	Oct-25		(16,262)	(360,608)	(7,184,146)
	Nov-25		(17,166)	(373,993)	(7,531,867)
	Dec-25		(17,993)	(386,232)	(7,859,731)



Recharge Basins in the Recycled Water Groundwater Recharge Program

Recharge Basins in the Recycled Water Groundwater Recharge Program (Active Recycled Water Recharge)

Non-Program Basins

Chino Groundwater Basin

Rivers and Streams

N

S

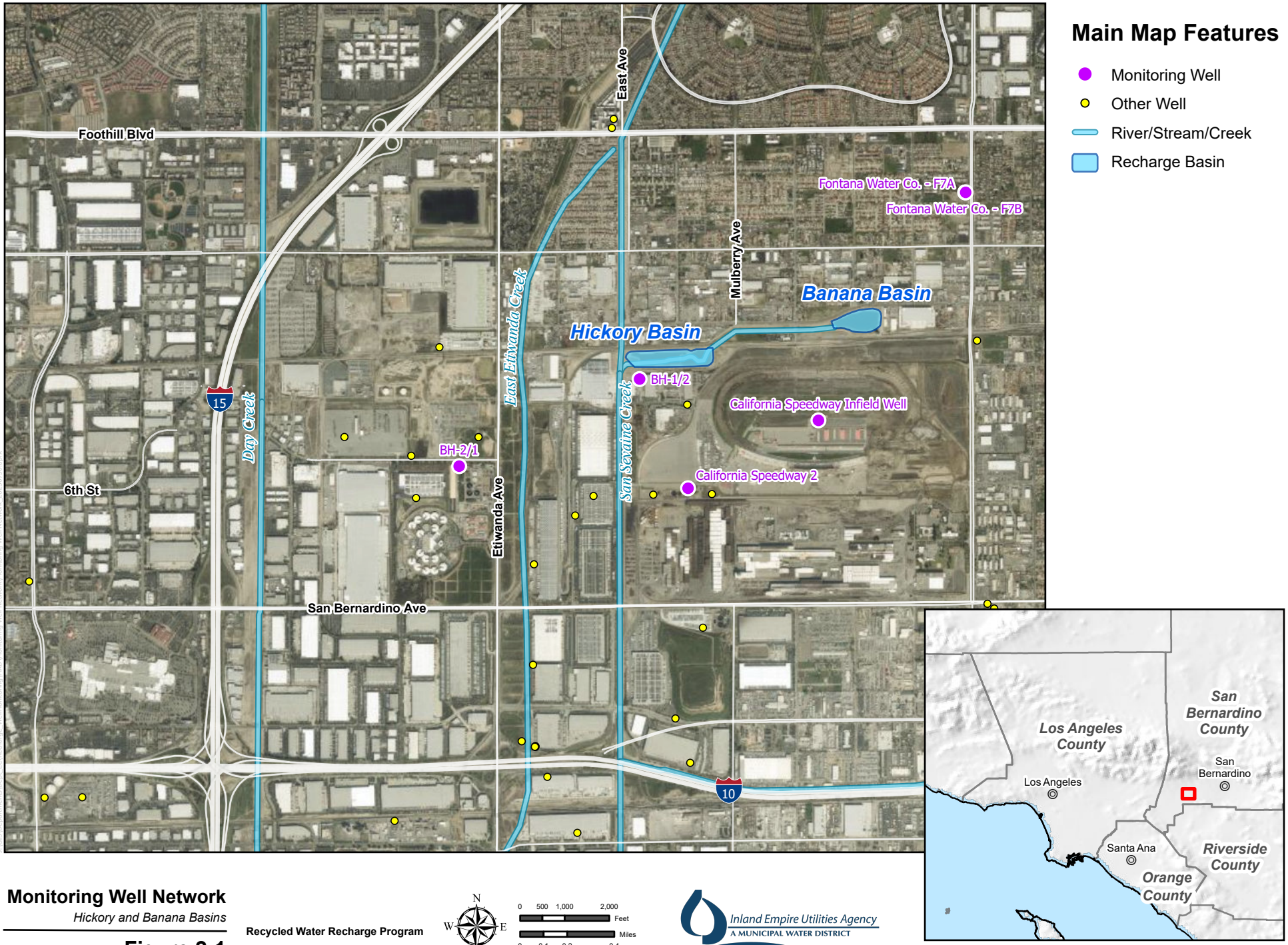
0 2 4 Miles

0 4 8 Kilometers

Chino Basin Recycled Water Groundwater Recharge Program

Basin Locations

Figure 1-1



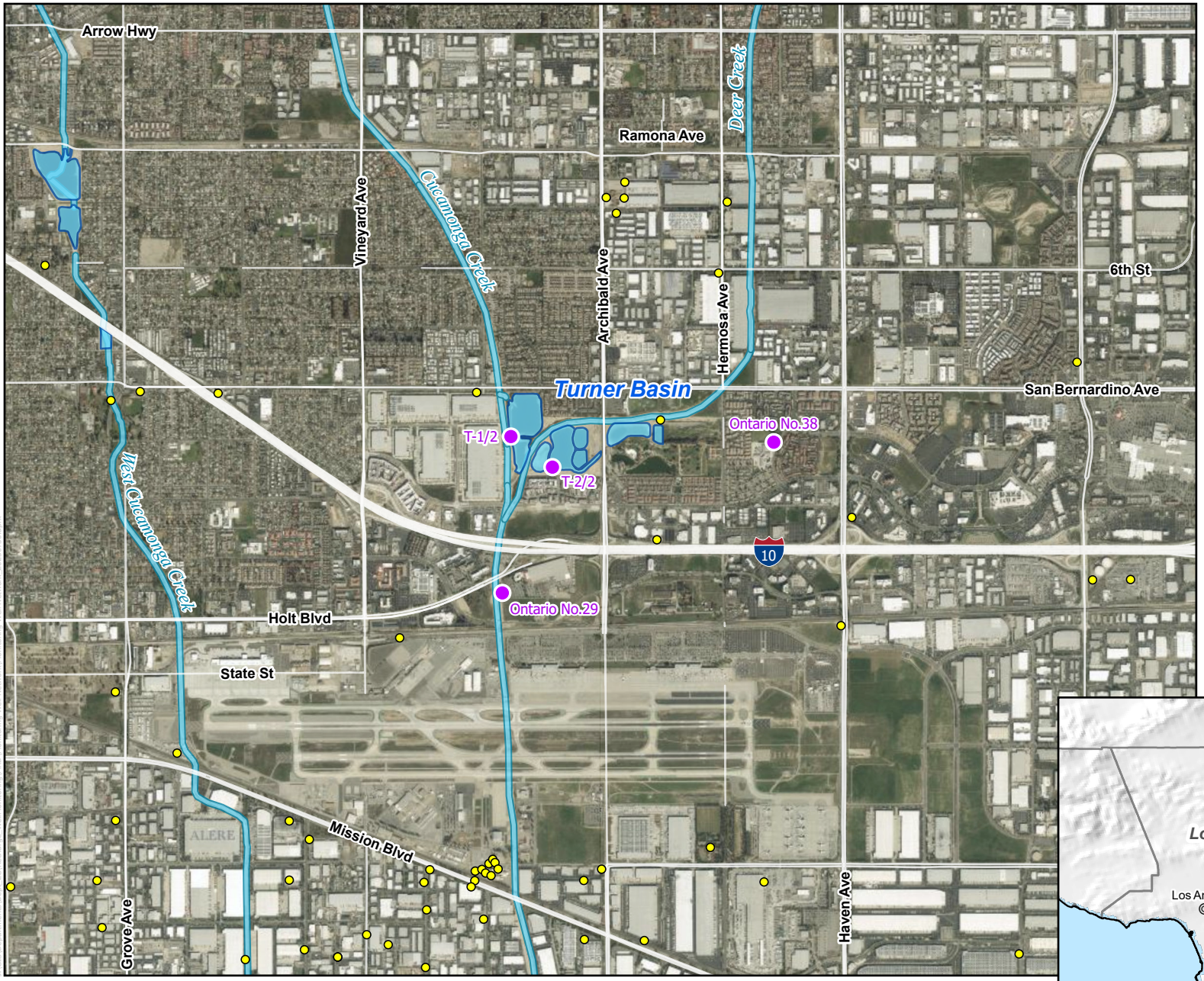
Monitoring Well Network

Hickory and Banana Basins

Recycled Water Recharge Program

Figure 2-1

Date:8/6/2025



Main Map Features

- Monitoring Well
- Other Well
- River/Stream/Creek
- Recharge Basin

Monitoring Well Network

Turner Basin

Figure 2-2

Recycled Water Recharge Program

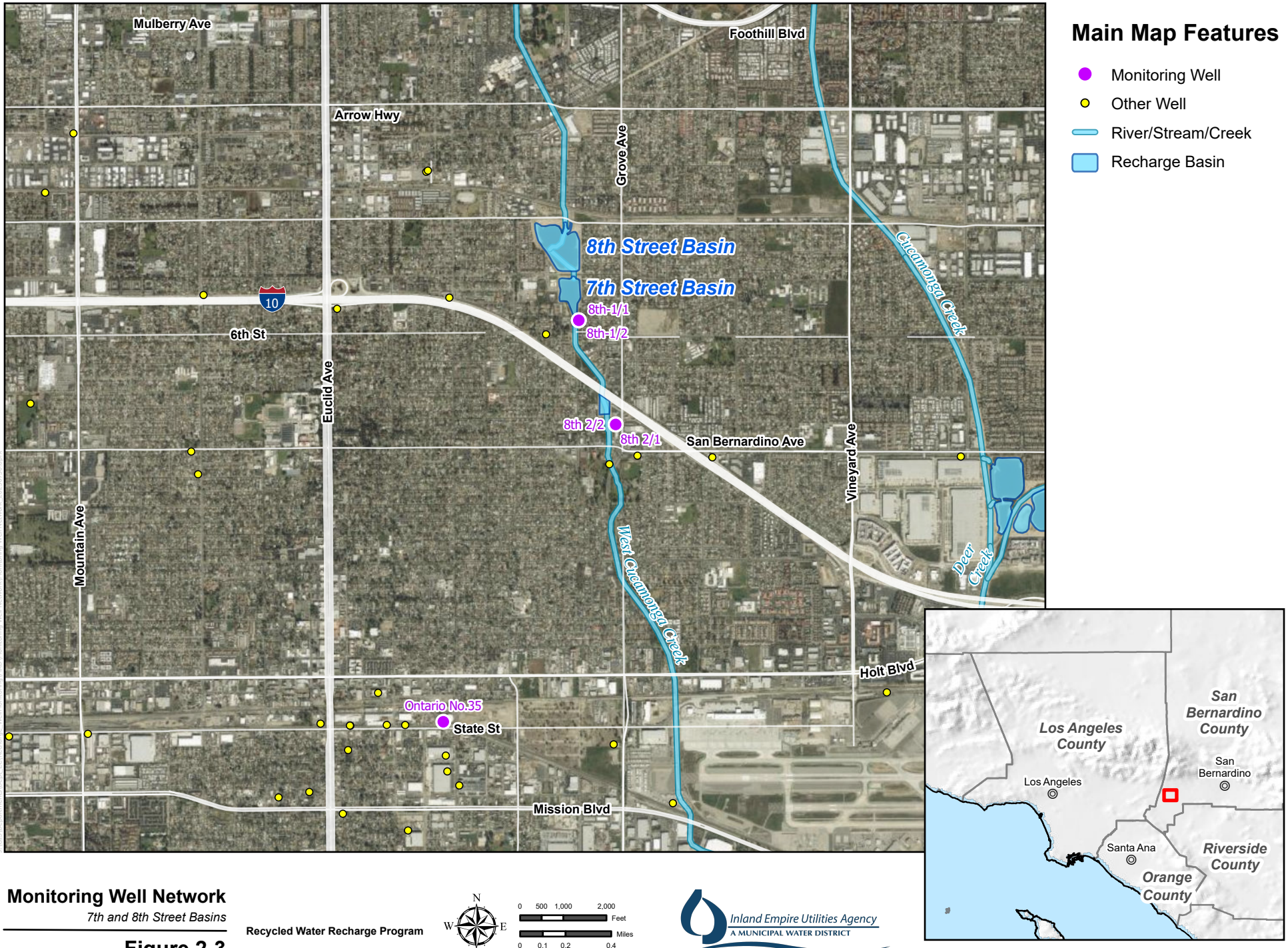
N W E S

0 500 1,000 2,000 Feet

0 0.1 0.2 0.4 Miles

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:8/5/2025



Monitoring Well Network

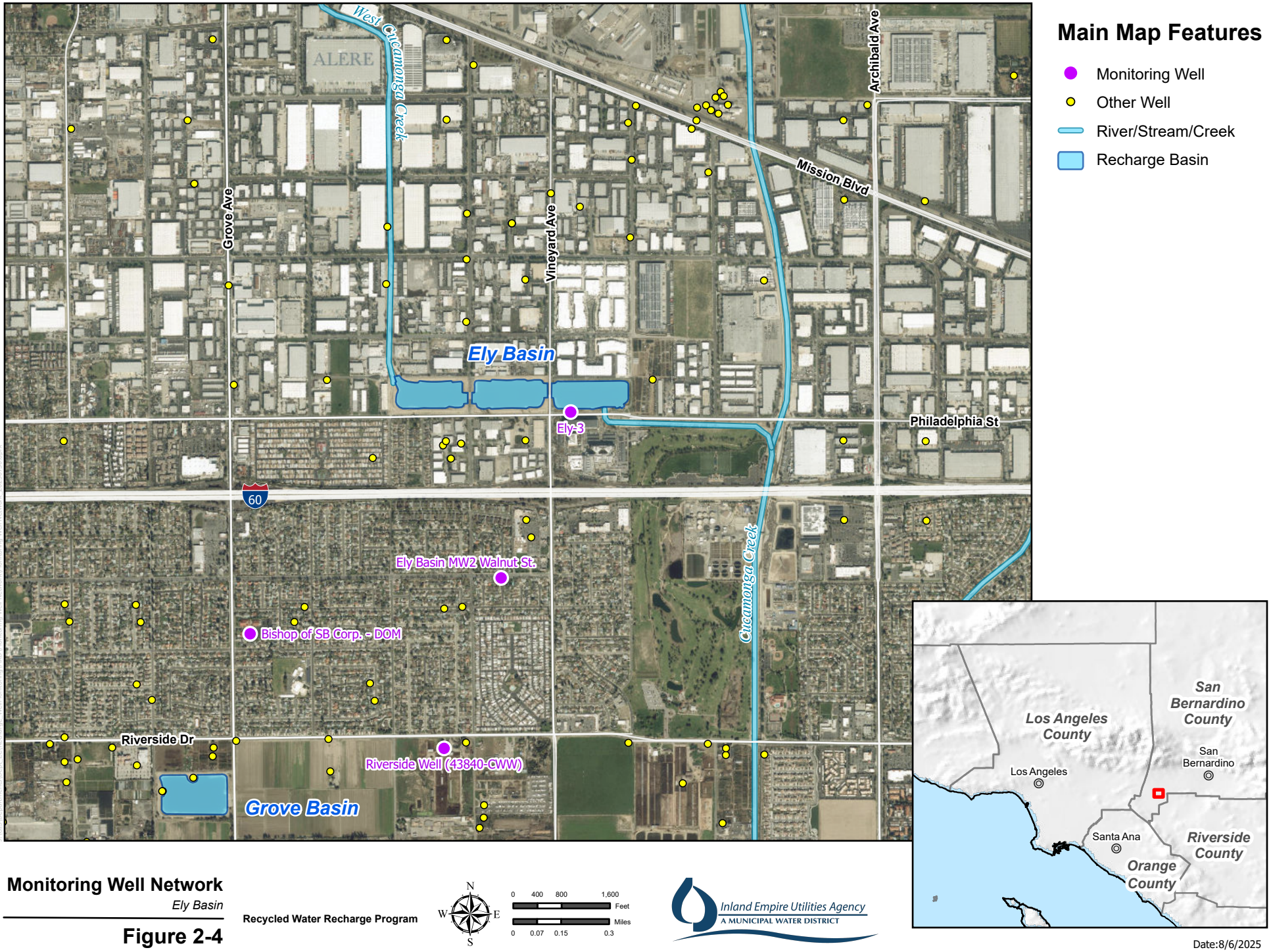
7th and 8th Street Basins

Figure 2-3

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:8/5/2025



Monitoring Well Network

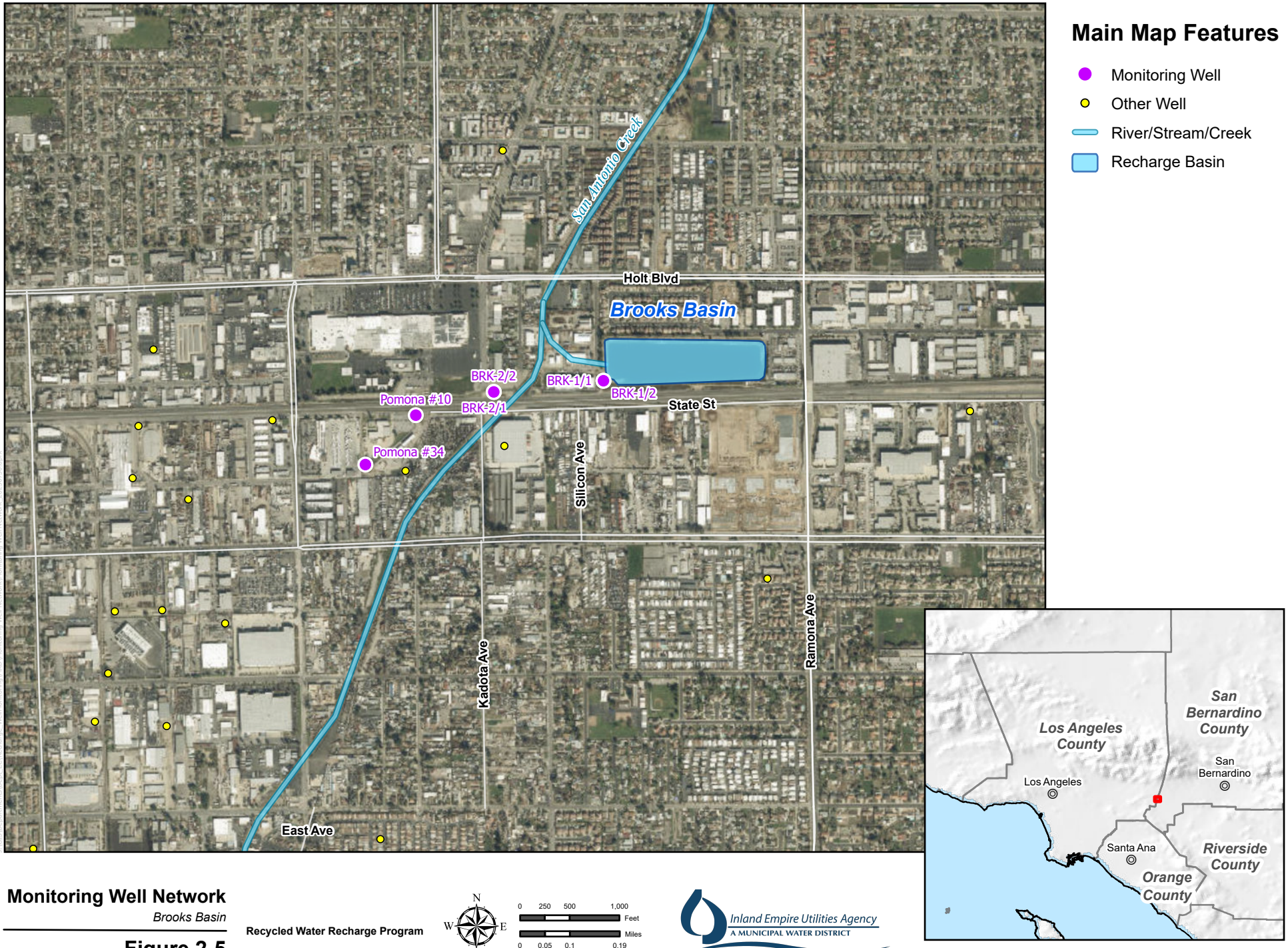
Ely Basin

Figure 2-4

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:8/6/2025



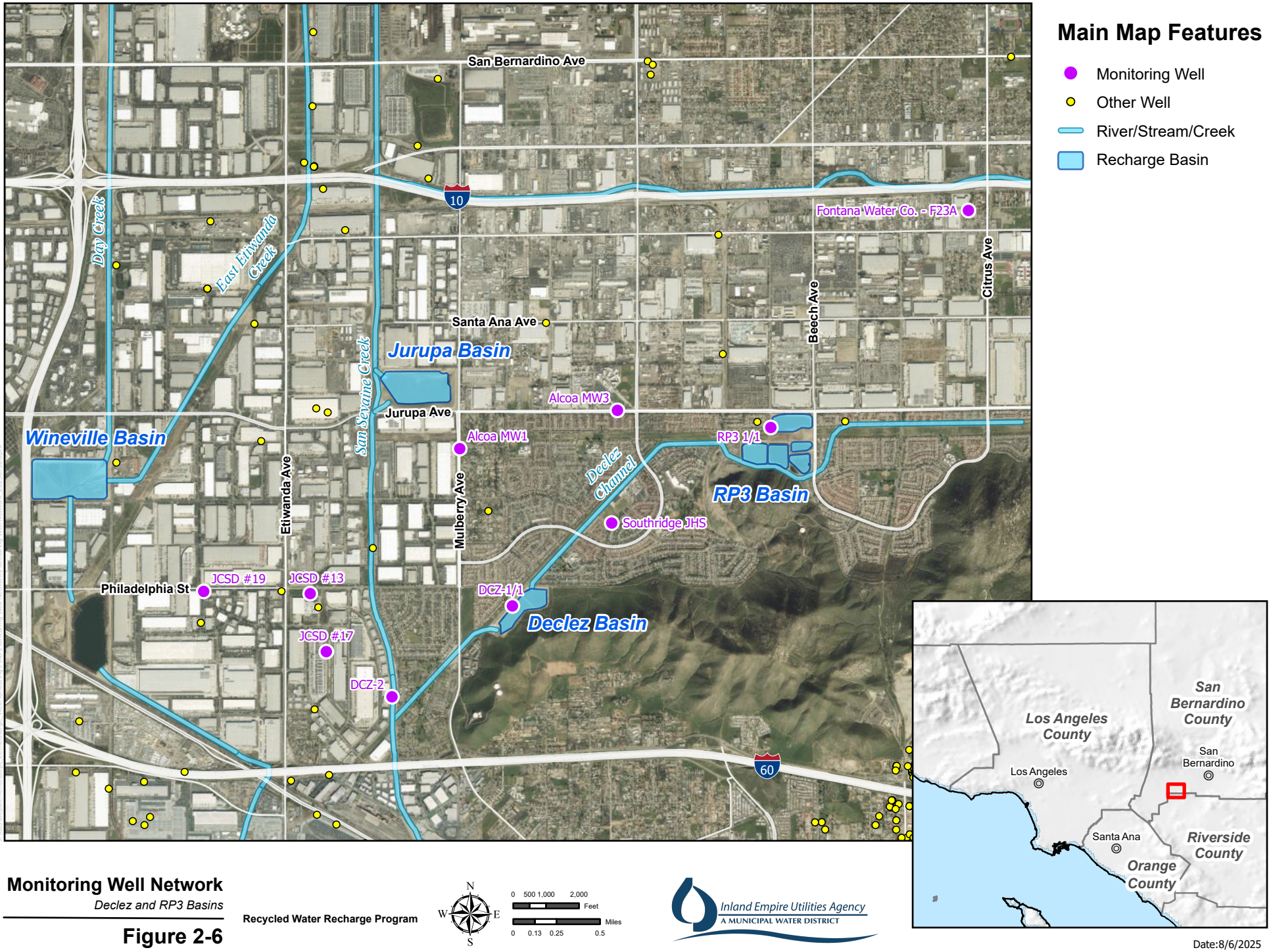
Monitoring Well Network

Brooks Basin

Figure 2-5

Recycled Water Recharge Program

Date:8/5/2025



Monitoring Well Network

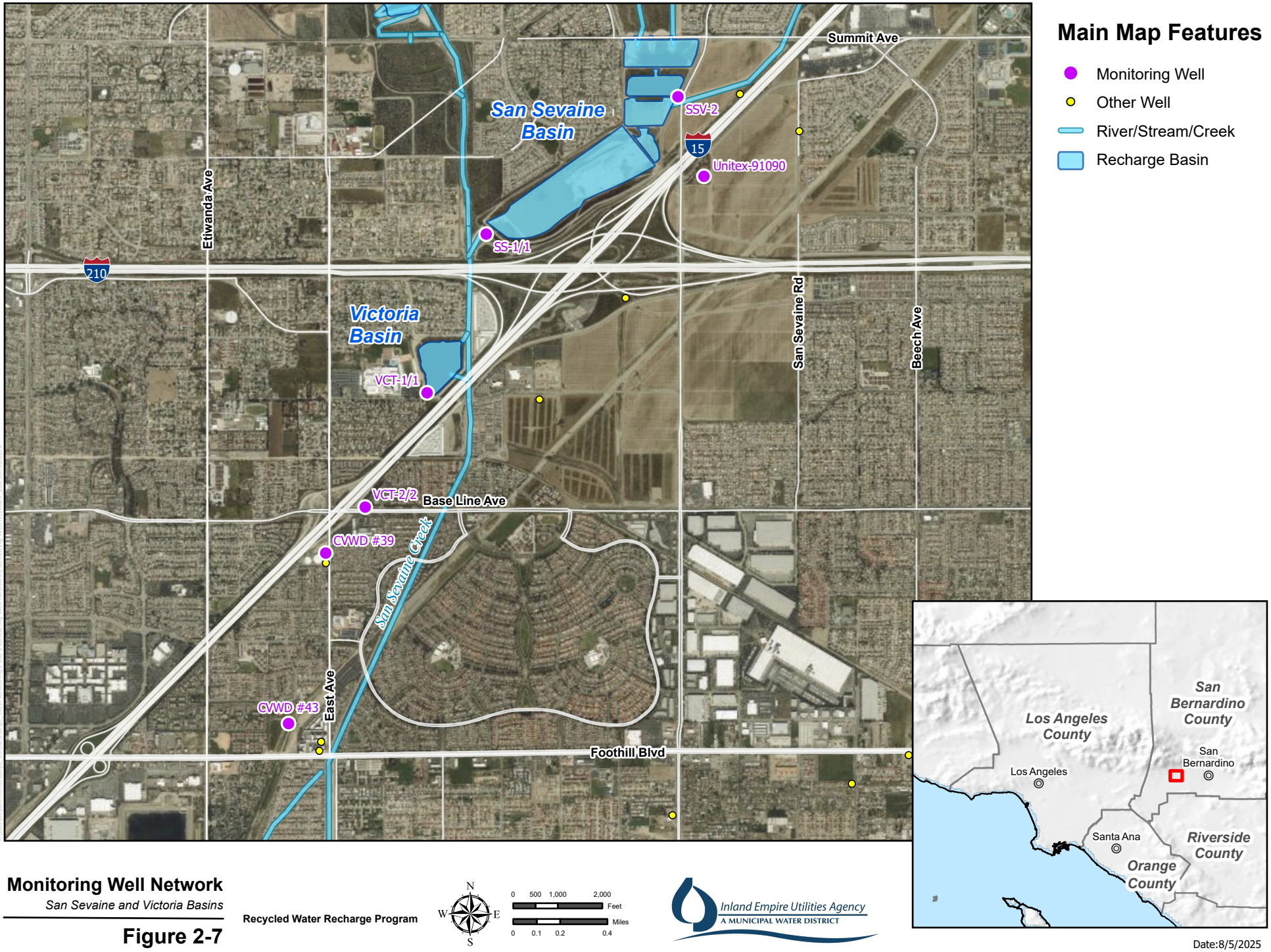
Declez and RP3 Basins

Figure 2-6

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:8/6/2025



Monitoring Well Network

San Sevaine and Victoria Basins

Figure 2-7

Recycled Water Recharge Program