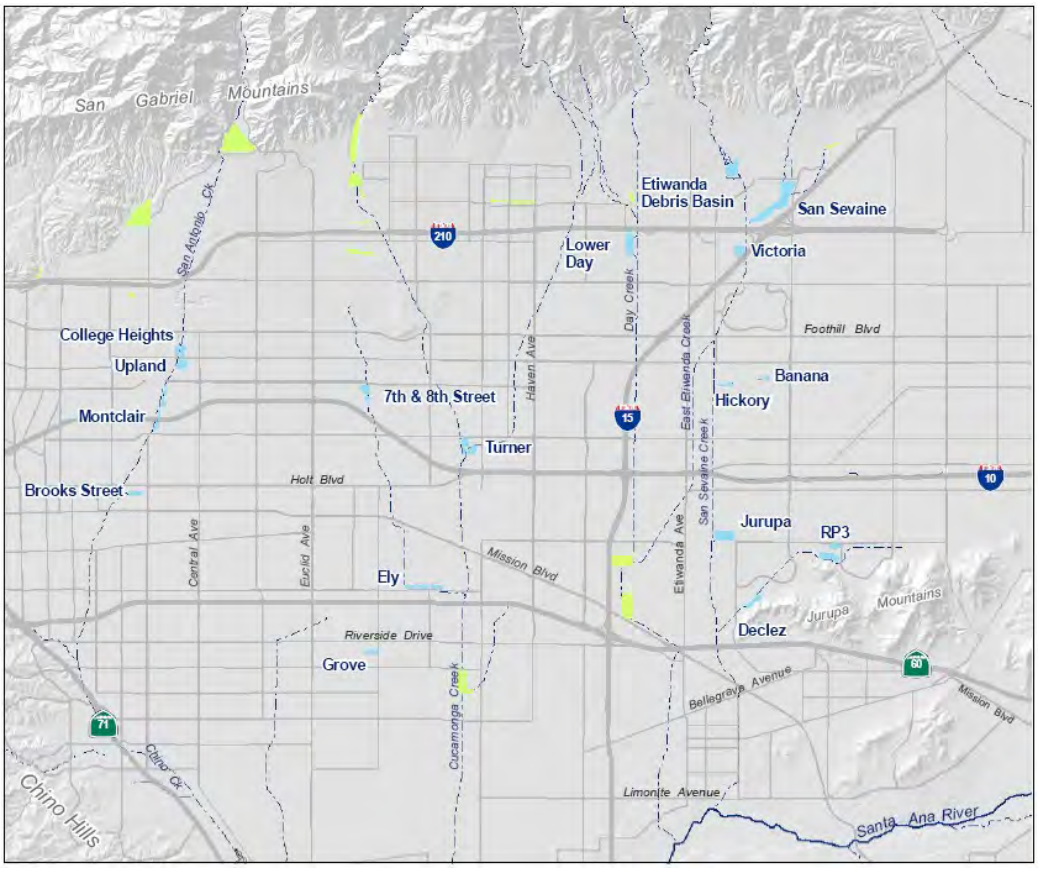
Chino Basin Recycled Water Groundwater Recharge Program

2024

Annual Report



May 1, 2025

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Chino Basin Watermaster
Partners in Basin Management

Pietro Cambiaso
Manager of Compliance & Sustainability

Todd Corbin
General Manager

May 1, 2025

Regional Water Quality Control Board, Santa Ana Region
Attention: Ms. Jayne Joy
3737 Main Street, Suite 500
Riverside, California 92501-3348

Subject: Transmittal of the Annual Report for 2024
Chino Basin Recycled Water Groundwater Recharge Program

Dear Ms. Joy:

The Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (CBWM) hereby submit the *2024 Annual Report* for the *Recycled Water Groundwater Recharge Program*. The IEUA and CBWM have been implementing the recycled water and groundwater recharge program and reporting on the status pursuant with the requirements for the following orders:

- California Regional Water Quality Control Board, Santa Ana Region. Order No. R8-2007-0039. Water Recycling Requirements for IEUA and CBWM. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, June 29, 2007.
- California Regional Water Quality Control Board, Santa Ana Region. Order No. R8-2009-0057 Amending Order No. R8-2007-0039 for IEUA and CBWM. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, October 23, 2009.

ACTIVITIES, FINDINGS, AND CONCLUSIONS

The following bullets summarize the principal activities, findings, and conclusions of the *Recycled Water Groundwater Recharge Program* for 2024:

- The total program recharge for the calendar year 2024 was 49,448 acre-feet (AF). Of this total recharge, 11,524 AF was storm water and dry weather flows (including well pump to waste recharge); 14,344 AF was recycled water; and 23,590 AF was imported water.
- During the calendar year 2024, recycled water quality monitoring was conducted in accordance with Monitoring and Reporting Program No. R8-2007-0039. No primary or secondary maximum contaminant limits (MCLs) or notification levels (NLs) were exceeded, with the exceptions of the primary MCLs for 1,2,3-trichloropropane (1,2,3-TCP) and perfluorooctanoic acid (PFOA) and secondary MCL for odor."
- No corrective actions were necessary for RP-1 and RP-4. No unit process changes occurred during 2024.

- An assessment of water chemistry, water levels, and recharge ratios at the monitoring wells demonstrates in-aquifer blending of recycled water, diluent water, and native groundwater occurred at the following basins: 8th Street, Banana, Hickory, Brooks, Ely, Turner, Victoria, and RP3. For 8th Street, Banana, Hickory, and Brooks Basins, blending was observed to be occurring in both the groundwater mound and downgradient monitoring wells.
- At the end of 2024, the volume-based 120-month running average recycled water contributions (RWCs), inclusive of groundwater underflow, by basin were: 8th Street - 23%; Banana - 34%; Brooks - 13%; Declez 7%, Ely - 26%, Hickory - 15%, RP3 - 29%; San Sevaine - 18%; Turner Basin Cells 1&2 - 21%; Turner Basin Cells 3&4 – 24%; and Victoria - 27%. These basins are all in compliance with their maximum RWC limits.
- CBWM has verified in the Recycled Water Groundwater Recharge Quarterly Monitoring Reports that there was no reported pumping of groundwater in 2024 for domestic or municipal use from zones that extend 500 feet and 6-months underground travel time from the 8th Street, Banana, Brooks, Declez, Ely, Hickory, Turner, RP3, San Sevaine, and Victoria recharge sites.
- Sufficient data exist to estimate approximate arrival times of recycled water at several monitoring wells based on the observed trends in EC, TDS, and chloride concentrations. The following lists the recharge basins, the corresponding monitoring wells, and the estimated recycled water arrival times in months: 8TH-1/1 (22 months) 8TH-2/2 (123 months) for 8th Street Basin; BRK-1/1 (5 months), BRK-1/2 (17 months) and BRK-2/1 (28 months) for Brooks Basin; Philadelphia Well (13 months) for Ely Basin, BH-1/2 (2 months) for Hickory Basin; California Speedway Infield Well (29 months) and Speedway 2 (83 months) for Banana Basin; T-1/2 (3.2 months) for Turner Cell 1; T-2/2 (13 months) and Ontario Well No. 25 (48 months) for Turner Cell 4; VCT-1/1 (7.5 months) for Victoria Basin, DCZ-1/1 (21 months), RP3-1 (3.3 months) for RP3 Basin Cell 1, and SSV-2 (4.9 months) for San Sevaine Basin 2. Other monitoring wells have not yet shown definitive variations in EC, TDS, and chloride that would signal arrival of recycled water at these well sites.
- Comparison of the pre-recharge groundwater elevation contour map (Fall 2003) with the most recent groundwater elevation contour map (Spring 2022) indicates that for areas near the recharge basins, there were minor regional changes in groundwater elevation, but the recharge program has not significantly changed groundwater flow directions. The 2022 groundwater elevations measured in the program monitoring wells have generally changed less than the contour interval (25 feet) used in the past regional groundwater elevation maps. The only significant differences in groundwater flow direction between the 2003 through 2022 maps are: 1) the mound at 8th Street, shifted from a south-southwest direction between 2003 and 2012 to which a more westward direction between 2012 and 2016; and 2) a large mound at the Turner Basin influencing the contour at the basin in 2018. For 8th Street Basin, the difference may indicate the 8th Street Basin downgradient monitoring well location (8TH-2) is not appropriately located to characterize downgradient recharge water quality. Other differences include a deeper and larger area pumping depression has developed in the vicinity of the Chino Desalter well field (area of hydraulic control) and a smaller pumping depression has developed in Pomona west of Brooks Basin. Some changes in the contouring style/methodology are evident between the 2003 and 2022 contour maps. For example, the groundwater contours in the area north of Victoria and San Sevaine Basins have not been interpreted since the 2008 contour map.

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 fines and imprisonment.

Executed on the 1st day of May 2025 in the Cities of Chino and Rancho Cucamonga.

Pietro Cambiaso
Manager of Compliance & Sustainability

Todd Corbin
General Manager

Chino Basin Recycled Water Groundwater Recharge Program

2024 Annual Report

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Inland Empire Utilities Agency

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May 1, 2025

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1 INTRODUCTION

This is the 2024 Annual Report for the Chino Basin Recycled Water Groundwater Recharge Program. Inland Empire Utilities Agency (IEUA), Chino Basin Watermaster (CBWM), 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. The recharge program is part of a comprehensive program to enhance water supply reliability and improve the groundwater quality in local drinking water wells throughout the Chino Groundwater Basin by increasing the recharge of storm water, imported water and recycled water. Figure 1-1 is a location map of the recharge basin locations used in the Recycled Water Groundwater Recharge Program. Recharge operations for 8th Street, Banana, Brooks, Ely, Hickory, RP3, Turner, San Sevaine, and Victoria Basins have previously been summarized in the four 2024 quarterly monitoring reports to the California Regional Board Water Quality Control Board Santa Ana Region (Regional Board) for these basins where recharge of recycled water has been initiated.

In calendar year 2024, 49,448 acre-feet (AF) of water were recharged in the Chino Basin, this includes: 11,524 AF of storm water and dry weather flows (including pump to waste recharge), 14,334 AF of recycled water, and 23,590 AF of imported water. The reported recharge volumes for supplemental water (imported and recycled) include the application of a reduction factor to the metered volumes to account for evaporative losses.

1.1 Requirements of Order No. R8-2007-0039

This Recycled Water Groundwater Recharge Program is subject to the requirements in the following documents issued by the Regional Board:

- Order No. R8-2007-0039 Water Recycling Requirements for IEUA and CBWM, Chino Basin Recycled Water Groundwater Recharge Program, Phase I and Phase II Projects, San Bernardino County, June 29, 2007;
- Monitoring and Reporting Program No. R8-2007-0039 for IEUA and CBWM, Chino Basin Recycled Water Groundwater Recharge Program Phase I and Phase II Projects, San Bernardino County, June 29, 2007;
- Order No. R8-2009-0057 Amending Order No. R8-2007-0039 for IEUA and CBWM, Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, October 23, 2009; and
- Revised Monitoring and Reporting Program No. R8-2007-0039 for IEUA and CBWM. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, October 27, 2010.

The Monitoring and Reporting Program (MRP) in the Order No. R8-2007-0039 describes the requirements for the Annual Reports. The following is an excerpt from Section VI of the MRP:

3. The annual report shall include the following:

    a. A list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures. The report shall restate, for the record, the laboratories used by the users to monitor compliance with this Order and their status of certification. Upon request by Regional Board staff, the users shall also provide a summary of performance.

    b. A mass balance to ensure that blending is occurring in the aquifer at each recharge basin. Recharge water groundwater flow paths shall be determined annually from groundwater elevation contours and compared to the flow and transport model's flow paths, travel of recharge waters, including leading edge of the recharged water plume, any anticipated changes. The flow and transport model shall be updated to match as closely as possible the actual flow patterns observed within the aquifer if the flow paths have significantly changed.

    c. A summary of corrective actions taken as a result of violations, suspensions of recharge, detections of monitored constituents and any observed trends, information on the travel of the recycled water (estimated location of the leading edge), description of any changes in operation of any unit processes or facilities, and description of any anticipated changes, including any impacts on other unit processes.

    d. A summary of calibration records for equipment, such as pH meters, flow meters, turbidity meters, and lysimeters.

    e. All downgradient public drinking water systems. A summary discussion on whether domestic drinking water wells extracted water within the buffer zone defined by the area less than 500 feet and 6 months underground travel time from the recharge basins, including the actions/measures that were undertaken to prevent reoccurrence. If there were none, a statement to that effect shall be written.

    f. A summary of the results and recommendations of any tracer testing conducted during the past year.

4. At least one year after the blended recharged water has reached at least one groundwater monitoring well, the users shall submit a report to the CDHS and Regional Board evaluating the compliance with the minimum underground retention time, distance to the nearest point of extraction, blending, and the maximum RWC requirements. The annual report shall include water quality data on turbidity, coliform, total nitrogen, dissolved oxygen, regulated contaminants, TOC, and non-regulated contaminants compliance.

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

On June 18, 2014, the State Water Resources Control Board – Division of Drinking Water (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.

The DDW GRRP regulations required that all GRRPs permitted prior to June 18, 2014 submit a report to the DDW and the Regional Board to assess compliance of the existing permit with the GRRP requirements. The IEUA submitted the Compliance Assessment Report (CAR) for the Chino Basin Recycled Water Groundwater Recharge Program on June 18, 2015, and began additional monitoring and reporting in 3Q15. IEUA submitted a revised CAR to DDW in December 2018. The DDW provided comments on the CAR in July 2019. The IEUA responded to the DDW comments in November 2019.

1.3 Organization of the Annual Report

The remainder of this report describes the requirements of the annual report per the MRP in Order R8-2007-0039 and is organized as follows:

- Section 2 – Recycled Water Quality Monitoring discusses compliance with recycled water production specifications and other water quality requirements.
- Section 3 – Groundwater Recharge Monitoring discusses the blending and movement of recycled water recharge in the groundwater basin.
- Section 4 – References includes supporting information consulted in performing the analyses described herein and in preparing this report.

2 RECYCLED WATER QUALITY MONITORING

2.1 Recycled Water Quality Specifications

During 2024, recycled water quality monitoring was conducted in accordance with the required frequency for all parameters specified in MRP No. R8-2007-0039. All monitoring data and compliance results for 2024 are included in the quarterly monitoring reports submitted to the Regional Board (IEUA 2024a, 2024b, 2024c, 2025).

2.1.1 Detections and Compliance with Narrative Limits

Recycled Water Specifications A.5 though A.9 are narrative limits in the Order No. R8-2008-0039. The 2024 recycled water quality monitoring data and associated limits for specifications A.5 through A.9 are shown in Tables 2-1 and 2-2 of the quarterly monitoring reports.

Table 2-1 of the quarterly reports presents monitoring and compliance data for the narrative permit limits in Order R8-2008-0039 for pH, turbidity, total nitrogen (TN), total inorganic nitrogen (TIN), total organic carbon (TOC), and total dissolved solids (TDS). The monitoring and compliance for the parameters in Table 2-1 of the quarterly monitoring reports is based on the analysis of the two separate recycled water sources, Regional Plant No. 1 (RP-1) and Regional Plant No. 4 (RP-4) sampled at the IEUA National Pollutant Discharge Elimination System (NPDES) permit monitoring locations (M-001B/REC-001 and REC-002) at their respective facilities. In accordance with MRP No. R8-2007-0039, the required monitoring frequency for turbidity and pH is continuous; total inorganic nitrogen, total nitrogen, and total organic carbon is weekly; and total dissolved solids is monthly. Compliance with the TN limit of 5 mg/L can also be met at the lysimeters or at locations specified in alternative monitoring plans (Table 2-5 of quarterly reports). During 2024, there were no exceedances of the narrative limits for turbidity, TDS, TIN, pH, or TOC.

Table 2-2 of the quarterly report presents IEUA's Agency-wide 12-month running average for TDS and TIN as required by the NPDES permit No. R8-2021-0041. During 2024, there were no exceedances of the agency-wide 12-month running average for TDS and TIN.

2.1.2 Detections and Compliance with Regulated and Non-regulated Contaminants

Recycled Water Specifications A.1 through A.3 and A.15 of Order No. R8-2007-0039 are limits based on primary maximum contaminant levels (MCLs), secondary MCLs, and Action Levels established by the Environmental Protection Agency (EPA). The monitoring for compliance of these parameters is based on the analysis of a sample collected at a recycled water sampling point along the distribution pipeline. The sample point was the RP-4 1299 Pressure Zone Pump Station, as it represents a mixture of recycled water from both RP-1 and RP-4 (RW Blend). During the Compliance Assessment Report (CAR) review, DDW identified that 001B effluent must be sampled and reported independently of the RW Blend.

The 2024 recycled water quality monitoring data and associated limits for Recycled Water Specifications A.1 through A.3 are shown in Table 2-3a (RW Blend) and Table 2-3b (001B

Effluent) of the quarterly monitoring reports. Compliance determination for these constituents is based on 4-quarter running averages. In accordance with MRP No. R8-2007-0039, the required monitoring frequency for constituents with primary MCLs is quarterly and constituents with secondary MCLs is annually. During 2024, with the exceptions of 1,2,3-Trichloropropane, PFOA and odor, the 4-quarter running average concentrations for constituents with primary MCLs, secondary MCLs, and action levels did not exceed compliance limits(see Section 2.5).

Non-regulated contaminants include the remaining priority pollutants, endocrine disrupting chemicals & pharmaceuticals, and unregulated chemicals. These constituents do not have associated limits; however, they require annual monitoring in accordance with MRP No. R8-2007-0039 (Table II. Recycled Water Monitoring). Several non-regulated contaminants are sampled and reported more frequently than the required annual frequency due to having the same analysis methods used to monitor compounds with primary MCLs. Additionally, in accordance with Title 22, Division 4, Chapter 3. Article 5.1 §60320.120(b) the monitoring frequency of recycled water for chemicals with State notification levels (NLs) increased from annually to quarterly. The non-regulated contaminants monitoring data for recycled water can be found in Table 2-4a (RW Blend) and Table 2-4b (001B Effluent) of the quarterly monitoring report.

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. Compliance for TTHMs and HAA5 were consistently met throughout 2024 at the selected compliance lysimeters.

2.2 Groundwater Quality Monitoring

Groundwater quality data is collected at designated monitoring wells, and at the nearest down gradient potable water supply well near recharge basins utilizing recycled water. Location maps for wells monitored for the recharge program are presented on Figures 2-1 through 2-7 for Hickory & Banana, Turner, 7th & 8th Street, Ely, Brooks, Declez & RP3, and San Sevaine & Victoria Basins, 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. At the monitoring wells specified in Condition No. 19 in the Phase I Findings of Fact (FOF) of Order No. R8-2005-0033 and Condition No. 25 in the Phase II FOF of Order No. R8-2007-0039, quarterly and annual groundwater sampling for specific constituents are specified in Condition No. 27 of the Phase II FOF.

The 2014 GRRP regulations require two downgradient monitoring wells to be monitored quarterly for Priority 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 be monitored quarterly for Priority Toxic Pollutants.

All quarterly groundwater quality data collected at the monitoring wells is reported in Table 2-9a and 2-9b of the quarterly monitoring reports. Annual monitoring well data for 2024 can be found in Table 2-9b in the 4Q24 report. Section 2.5 of this report describes any exceedances of a primary or secondary MCL, or the presence of total coliform in groundwater samples during 2024, and the notification to the DDW.

Groundwater quality monitoring results can be used to assess background or baseline conditions, to estimate the time of arrival of recharge waters and the percentage of recycled water at a monitoring well, and to access the impacts of recharged water on down-gradient groundwater supplies. Section 3.2 and Section 3.4 of this report describe how the groundwater quality monitoring results are used for these purposes in more detail.

2.3 Laboratory Certifications and Test Methods

Water quality samples collected for the recycled water recharge program are analyzed by either the IEUA, Eurofins Eaton Analytical (EEA) laboratories, or Weck Laboratories. These laboratories are DDW Environmental Laboratory Accreditation Program (ELAP) certified, pursuant to the California Environmental Laboratory Improvement Act. The IEUA laboratory certification is valid through October 2024, the EEA laboratory certification is valid through June 2025 and the Weck laboratory certification is valid through March 2026.

To ensure the quality and reliability of test measurements and results, specific programs and procedures have been developed by both the IEUA and EEA. The 2024 Annual Laboratory QA/QC Data Summary Report was also submitted to the Regional Board as an attachment in IEUA's 2024 Annual NPDES Report.

2.4 Calibration Summary

The field parameters of temperature, pH, conductivity, dissolved oxygen, oxidation/reduction potential were recorded during monitoring well sampling using an AquaTroll 500 Multiparameter Meter. This instrument utilizes a flow-cell to allow water to flow through the meter chamber without exposure to the atmosphere. Field analytical instruments used throughout this project were maintained and calibrated each day of use. Calibration was conducted according to instructions provided by the instrument manufacturer.

2.5 Violations, Suspensions, and Corrective Actions

There were no exceedances for the parameters analyzed during 2024 in the following categories: primary MCLs for inorganic chemicals; volatile organic compounds (VOCs), *with the exception of 1,2,3-Trichloropropane (1,2,3-TCP)*; non-volatile synthetic organic chemicals (SOCs); radionuclides; disinfection byproducts; action levels for lead and copper; notification level chemicals (NLs), *with the exception of Perfluorooctanoic acid (PFOA)*; secondary MCLs for required constituents; and oil and grease. Exceedances of 1,2,3-TCP and PFOA are described below.

1,2,3-TCP in Recycled Water

In September 2019, 1,2,3-TCP was detected above the MCL of 0.005 µg/L at both the RW Blend and 001B Effluent recycled water locations. Accelerated weekly sampling for 1,2,3-TCP was continued until 1,2,3-TCP was not detected above the MCL in 2Q21. During 2Q22, 1,2,3-TCP was detected again above the MCL at both the RW Blend and 001B Effluent. A confirmation sample was collected within 72 hours of notification of the first results, and in accordance with the following requirements of §60320.112(d)(2), weekly sampling began on 06/18/21.

- §60320.112(d)(2), "the GRRP shall initiate weekly monitoring for the contaminant until the running four-week average no longer exceeds the contaminant's MCL."
- §60320.112(d)(2)(A) states that "If the running four-week average exceeds the contaminant's MCL, 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 Department and Regional Board no later than 45 days following the quarter in which the exceedance occurred."

The 1,2,3-TCP concentration in the recycled water continued to exceed the MCL after accelerated monitoring was implemented. A corrective action report to address these exceedances were submitted to the Regional Board on February 13, 2020. Following a meeting with DDW and Regional Board on July 15, 2021, DDW requested that a revised correction action report be prepared and submitted. On August 12, 2021, a revised corrective action report was submitted to DDW and Regional Board.

IEUA has been actively implementing corrective actions, which includes: evaluations of monitoring wells, lysimeters, source control, and the analysis method; and an investigation of disinfection byproducts. IEUA has contracted with Trussell Technologies on October 5, 2021 to assist with the investigation of 1,2,3-TCP and possible mitigation measures. The objective of this study is to have 1,2,3-TCP designated as a disinfection byproduct applicable to IEUA's recycled water groundwater recharge only. The project team identified the potential strategies to carry out the 1,2,3-TCP investigation.

- A 1,2,3-TCP method assessment plan was submitted to DDW and Regional Board for their review and comment on March 22, 2022.
- The last set of comments from the DDW was received on April 27, 2022.
- Trussell Technologies revised the plan, and the plan was re-submitted for review on June 13, 2022.
- On September 16, 2022, IEUA received an email from DDW asking if the IEUA was using the Drinking Water and Radiation Laboratories (DWRL) laboratory method DWRL_123TCP with detection limits comparable to the notification levels for the method assessment plan.
- IEUA Compliance staff has confirmed that the DWRL method has been incorporated and the revised plan was submitted to DDW on June 6, 2023.

In a meeting held on April 2, 2024, IEUA and Trussell Technologies presented the method assessment results. Additionally, preliminary results from running 1,2,3-TCP analysis through a

longer GC column was presented, which showed that the compound that was previously reported as 1,2,3-TCP was not 1,2,3-TCP. Since this does not deviate from SRL-524 method (current approved method for drinking water analysis), IEUA plans to use the longer gas chromatography (GC) column for analysis moving forward. The next step would be to formally demonstrate that the compound is not 1,2,3-TCP so we can resolve the past reported results that exceeded the MCL. The expected time to complete this additional study is approximately one year. The test plan for this phase of the study has been reviewed and approved by the DDW and testing started in 4Q24.

PFOA in Recycled Water

In August 2019, the NL for PFOA was lowered from 14 ng/L to 5.1 ng/L and the NL for Perfluorooctanesulfonic acid (PFOS) was lowered from 13 ng/L to 6.5 ng/L. PFOS concentrations have never exceeded the NL in the recycled water. However, since the NLs were 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."

IEUA continued to exceed the four-week average after implementing accelerated monitoring. The corrective actions report was submitted to the DDW and 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. At time of reporting, IEUA is awaiting the reevaluation of the request to reduce the PFOA monitoring frequency from weekly to monthly. During an August 5, 2021 meeting, the DDW and the Regional Board requested additional information and a revised PFOA Corrective Actions Report, which was submitted to both regulatory agencies on November 3, 2021.

A follow-up meeting took place on February 28, 2022 and the DDW requested additional information on dry weather flow diversions. A revised PFOA Corrective Actions Report was submitted to the DDW and Regional Board on May 2, 2022.

In a meeting on January 17, 2024, IEUA provided DDW staff with an update on the PFOA Corrective Actions Report. An updated PFOA Corrective Actions Report with the University of California Irvine (UCI) PFAS Research Project, a sewershed-scale analysis of PFAS in wastewater from domestic, commercial, and industrial sewerage system users; and 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 PFOA and PFOS of 4 ng/L that became effective June 25, 2024.

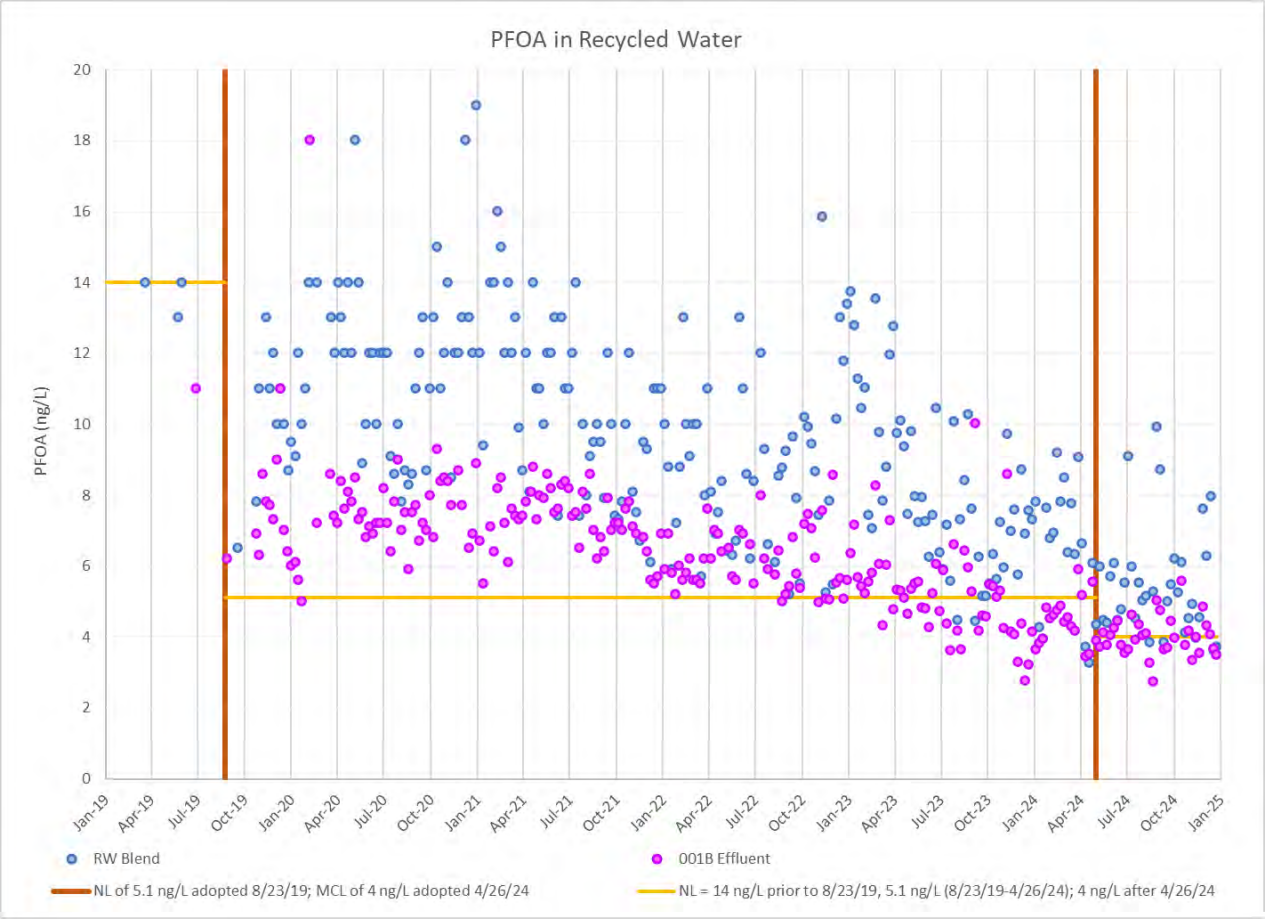
The table below shows weekly results of PFOA in recycled water for 2024. The chart below shows the trend in PFOA in recycled water from 2019 to 2024. As shown in the tables and chart below, there is a decreasing trend in PFOA concentrations sampled at RW Blend and 001B Effluent approximately starting in April 2021. Despite this decreasing trend, the PFOA concentrations sampled at RW Blend and 001B Effluent in 2024 continued to exceed the NL of 5.1 ng/L and MCL of 4 ng/L.

Date	RW Blend (ng/L)	4-sample avg (ng/L)
01/03/24	7.8	7.4
01/10/24	4.3	6.7
01/17/24	4.0	5.8
01/24/24	7.6	5.9
01/31/24	6.8	5.7
02/07/24	6.9	6.3
02/14/24	9.2	7.6
02/21/24	7.8	7.7
02/28/24	8.5	8.1
03/06/24	6.4	8.0
03/13/24	7.8	7.6
03/20/24	6.3	7.2
03/27/24	9.1	7.4
04/03/24	6.6	7.5
04/10/24	3.7	6.4
04/17/24	3.3	5.7
04/24/24	6.1	4.9
05/01/24	4.4	4.4
05/08/24	6.0	4.9
05/15/24	4.5	5.2
05/22/24	4.4	4.8
05/29/24	5.7	5.1
06/05/24	6.1	5.2
06/12/24	4.5	5.2
06/19/24	4.8	5.3
06/26/24	5.5	5.2
07/03/24	9.1	6.0
07/10/24	6.0	6.3

Date	001B Eff (ng/L)	4-sample avg (ng/L)
01/03/24	3.7	3.4
01/10/24	3.8	3.7
01/17/24	4.0	3.9
01/24/24	4.8	4.1
01/31/24	4.5	4.3
02/01/24	4.6	4.5
02/14/24	4.8	4.7
02/21/24	4.9	4.7
02/28/24	4.4	4.7
03/06/24	4.5	4.6
03/13/24	4.3	4.5
03/20/24	4.2	4.4
03/27/24	5.9	4.7
04/03/24	5.2	4.9
04/10/24	3.4	4.7
04/17/24	3.5	4.5
04/25/24	5.5	4.4
05/01/24	3.9	4.1
05/08/24	3.7	4.2
05/15/24	4.1	4.3
05/22/24	3.8	3.9
05/29/24	4.0	3.9
06/05/24	4.2	4.0
06/12/24	4.5	4.1
06/19/24	3.8	4.1
06/26/24	3.5	4.0
07/03/24	3.7	3.9
07/10/24	4.6	3.9

Date	RW Blend (ng/L)	4-sample avg (ng/L)
07/17/24	4.5	6.3
07/24/24	5.5	6.3
07/31/24	5.0	5.3
08/07/24	5.2	5.1
08/14/24	3.9	4.9
08/21/24	5.3	4.8
08/28/24	9.9	6.0
09/04/24	8.7	6.9
09/11/24	3.9	6.9
09/18/24	5.0	6.9
09/25/24	5.5	5.8
10/02/24	6.2	5.1
10/09/24	5.3	5.5
10/16/24	6.1	5.8
10/23/24	4.1	5.4
10/30/24	4.5	5.0
11/06/24	4.9	4.9
11/13/24	4.0	4.4
11/20/24	4.6	4.5
11/27/24	7.6	5.3
12/04/24	6.3	5.6
12/12/24	8.0	6.6
12/18/24	3.6	6.4
12/24/24	3.7	5.4

Date	001B Eff (ng/L)	4-sample avg (ng/L)
07/17/24	3.9	3.9
07/24/24	4.3	4.1
07/31/24	4.0	4.2
08/07/24	4.1	4.1
08/14/24	3.3	3.9
08/21/24	2.7	3.5
08/28/24	5.0	3.8
09/04/24	4.8	3.9
09/11/24	3.7	4.0
09/18/24	3.7	4.3
09/25/24	4.4	4.1
10/02/24	4.0	3.9
10/09/24	-	-
10/16/24	5.6	4.4
10/23/24	3.8	4.4
10/30/24	4.2	4.4
11/06/24	3.3	4.2
11/13/24	4.0	3.8
11/20/24	3.6	3.8
11/27/24	4.9	3.9
12/04/24	4.3	4.2
12/11/24	4.1	4.2
12/18/24	3.7	4.2
12/24/24	3.5	3.9



During 2024, there were exceedances of limits for constituents sampled at groundwater monitoring wells adjacent to recharge basins receiving recycled water. These exceedances were primarily for secondary MCLs, and some for primary MCLs, and total coliform presence. The DDW is required to be notified within 48 hours of receiving exceedances results of primary MCL or presence of coliform at active municipal drinking water wells. Exceedances of primary MCLs and coliform presence at non-drinking monitoring wells and all secondary MCL exceedances are not required for reporting to the DDW but are reported in the quarterly reports.

As required in MRP R8-2007-0039 Section V.2 the DDW were notified when necessary. There were no exceedances or coliform presence at active municipal drinking water wells and therefore, notification to DDW was not required during calendar year 2024. The following describes the exceedances detected at non-drinking water wells during 2024 quarterly

<u>Primary MCL Exceedances in Groundwater</u>

- NO_3-N samples collected from monitoring wells at 7th & 8th Street, Banana & Hickory, Brooks, Ely, and RP3 Basins were detected above the primary MCL of 10 mg/L. The NO_3-N concentrations at these wells range from 11 to 23 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 in Groundwater

- TDS was higher than its secondary MCL of 500 mg/L at Alcoa MW1, Alcoa MW1 and Southridge JHS. EC was higher than its secondary MCL of 900 µmhos/cm at Alcoa MW3 and Southridge JHS. The wells near the RP3 Basins are located in areas where the TDS and EC concentrations in groundwater are historically elevated. The distribution of TDS concentrations observed at wells in the Chino Basin is summarized in Watermaster's State of the Basin Reports.

The table below summarizes the recycled water, diluent water, and monitoring well exceedances from 2024.

Sample Type	Site	Exceedance
RW	RW Blend	Primary MCL (0.005 µg/L) – 1,2,3-Trichloropropane Primary MCL (4.0 ng/L) – PFOA Secondary MCL (3 TON) – Odor
RW	001B Effluent	Primary MCL (0.005 µg/L) – 1,2,3-Trichloropropane Primary MCL (4.0 ng/L) – PFOA Secondary MCL (3 TON) – Odor
Diluent-Stormwater Local Runoff	Cucamonga Creek @ Turner 1&2	Primary MCL (1000 µg/L) - Aluminum NL (5.1 ng/L) – PFOA* Primary MCL (4.0 ng/L) – PFOA
Diluent-Stormwater Local Runoff	Deer Creek @ Turner 3&4	Primary MCL (1000 µg/L) - Aluminum NL (5.1 ng/L) – PFOA* NL (6.5 ng/L) – PFOS* NL (5.1 ng/L) – PFOA*
Diluent-Local Runoff	Declez Channel @ Declez	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS Notification Level (800 ug/L)– Chlorate Notification Level (6 ug/L)– Perchlorate
Diluent-Local Runoff	San Sevaine Creek @ Hickory	Primary MCL (4.0 ng/L) – PFOA
Diluent-Local Runoff	W Cucamonga Creek @ Ely	Primary MCL (4.0 ng/L) – PFOA
Well	Alcoa MW1	Secondary MCL (200 µmhos/cm) - EC Secondary MCL (500 mg/L) – TDS Secondary MCL (5 NTU) – Turbidity
Well	Alcoa MW3	Primary MCL (10 mg/L) – NO_3-N Secondary MCL (200 µmhos/cm) - EC Secondary MCL (500 mg/L) - TDS
Well	BRK-1/1	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS

Well	BRK-1/2	Primary MCL (6 µg/L) – Perchlorate Primary MCL (0.2 µg/L) - Bromochloropropane
Well	BRK-2/1	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS Primary MCL (10 µg/L) – Hexavalent Chromium Primary MCL (10 ng/L) – NO_3-N
Well	BRK-2/2	Primary MCL (4.0 ng/L) – PFOA Primary MCL (10 mg/L) – NO_3-N
Well	Bishop of SB Corp	Primary MCL (10 mg/L) – NO_3-N Secondary MCL (500 mg/L) – TDS
Well	DCZ-2	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS
Well	ELY-3	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS
Well	Ely Basin MW2 Walnut St.	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS Primary MCL (10 mg/L) – NO_3-N
Well	SS-1/1	Primary MCL (4.0 ng/L) – PFOS
Well	SSV-2	Secondary MCL (500 mg/L) – TDS Secondary MCL (5 NTU) – Turbidity
Well	Southridge JHS	Primary MCL (10 mg/L) – NO_3-N Secondary MCL (200 µmhos/cm) - EC Secondary MCL (500 mg/L) – TDS
Well	T-1/2	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS
Well	T-2/2	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS
Well	VCT-1/1	Primary MCL (4.0 ng/L) – PFOA Primary MCL (4.0 ng/L) – PFOS

*PFOA and PFOS sampled prior to the adoption of the new MCL on June 25, 2024.

2.6 Unit Process Changes and Anticipated Impact on Water Quality

No unit process changes occurred during the 2024 calendar year, therefore there was no impact on water quality.

2.7 Summary of Chemical Usage

A summary of treatment chemicals used on a monthly basis at RP-1 and RP-4 during the 2024 calendar year is presented in Table 2-1.

3 GROUNDWATER RECHARGE MONITORING

3.1 Summary of Recharge Operations

Groundwater recharge using recycled water has been initiated in 8th Street, Banana, Brooks, Declez, Ely, Hickory, RP3, Turner, San Sevaine, and Victoria Basins. During 2024, IEUA's recycled water recharge totaled 14,334 AF. The table below summarizes the volume of recycled water recharged during 2024 at each basin, and the percent of the total recycled water recharged in the year. The table shows the distribution of recharge amongst the recharge sites.

Basin	2024 Recycled Water Recharge (AF)	Percent of 2024 Recycled Water Recharge
8TH	961	7%
Banana	569	4%
Brooks	763	5%
Declez	807	6%
Ely	789	6%
Hickory	1,390	10%
RP3	4,587	32%
San Sevaine	1,511	11%
Turner 1&2	1,074	7%
Turner 3&4	566	4%
Victoria	1,318	9%
Total	14,334	100%

The 2024 calendar year include annual program recharge of 49,448 acre-feet (AF), which includes 11,524 AF of storm water and dry weather flows (including well pump to waste recharge); 14,334 AF of recycled water; and 23,590 AF of imported water. Appendix A of this report contains the monthly groundwater recharge summaries for all sites in the recycled water groundwater recharge program. Monthly recharge volumes, including diluent and recycled water volumes are presented in the quarterly monitoring reports (IEUA, 2024a, 2024b, 2024c, and 2025), but are repeated in this section's discussion of RWC (recycled water contribution) management plans. Delivered recharge volumes have been reduced from the metered volume by an evaporation losses factor calculated by CBWM on all supplemental water recharge (imported water and recycled water).

3.2 In-Aquifer Blending of Recycled Water

Section VI.B.3.b of the MRP requires the annual report include:

> A mass balance to ensure that blending is occurring in the aquifer at each recharge basin.

In-aquifer blending of recycled water recharge is shown two ways. The first is the mass balance of relative volumes of the recharge water sources - recycled water and diluent water, including storm water / local runoff, groundwater underflow, and imported water - presented in the RWC

Management Plans. The second is by comparison of relative concentrations of water quality parameters that have distinct concentrations in both the background (or baseline) groundwater and the recycled water used for recharge, such as EC, TDS, and chloride.

While both these methods are appropriate, they should be used together as evidence of in-aquifer blending. They are appropriate as the velocity of the horizontal groundwater flow away from the recharge site is slower than the velocity of the vertical recharge percolation. This velocity difference results in the development of the groundwater mound of recharged water beneath a recharge site. In-aquifer blending occurs as the accumulating water sources comprising the mound dissipate away from the basin. As discussed in section 3.2.2, blending is evidenced by water quality concentration changes in the monitoring wells located down gradient from the recharge sites. Location maps for wells monitored for the recharge program are presented on Figures 2-1 through 2-7. As discussed in section 3.2.1, the volume-based percentage of recycled water recharged expresses the reasonably anticipated blending as recharge moves towards distant monitoring wells. Actual blending, however, will likely be greater (expressed as a lower percentage of recycled water) as the recharged water blends with groundwater.

3.2.1 Evidence of Blending Based on Volume

Each basin's 120-month running average RWC (a volume-based percentage) expresses a reasonably expected long-term blend as all recharged waters sources move and mix towards distant monitoring wells. The 2024 monthly recharge volumes by water type are presented in Appendix A and in the historical recharge column of the RWC Management Plans (Appendix B). RWC management plans and calculation of a 120-month running average RWC are discussed in more detail in Section 3.3. The running average RWC calculation is equal to:

Recycled Water 120-Month Total Volume / (Recycled Water + Diluent Water 120-Month Total Volume)

As documented in Appendix B, the (volume-based) running average RWC at the end of December 2024 for basins having initiated recycled water recharge are listed below:

Basin	RWC Limit	120-Mo. Running Avg. RWC
8th Street	50%	22%
Banana	50%	32%
Brooks	50%	12%
Ely	50%	19%
Declez	20%	7%
Hickory	50%	15%
RP3	50%	28%
San Sevaine	50%	16%
Turner 1&2	24%	23%
Turner 3&4	45%	23%
Victoria	50%	25%

Recycled water and diluent water are typically recharged in distinct batches. However, there can be blending of local runoff with recycled water as it is delivered to the basins, or as storm water enters a basin already containing some recycled water. Variations in the delivery period of diluent water and recycled water provide for level of blending. Dilution with groundwater is accounted for by the utilization of groundwater underflow in the calculation of running average RWC.

To be conservative, the start of including groundwater underflow as a diluent water source in the RWC calculation is either 1) October 2009 (the date the permit amendment was adopted allowing for its use) or 2) the first month of a basin's recycled water recharge (if after October 2009). The underflow estimation method was documented in Appendix G of the 2009 Annual Report for the Recycled Water Groundwater Recharge Program (IEUA and CBWM, 2010a). Variations in the delivery period of diluent water and recycled water provide for varying levels of blending. For basins that share the flow path of groundwater underflow, the underflow volume is used for both basins as the travel time between these basins exceeds that required for drinking water wells, and thus any upstream blend has become groundwater again upon reaching the downstream basin. Conservatively, the underflow calculation was made using only the upper-most sediments (upper model layer), and thus does not include potential mixing of recycled water recharge with groundwater in the deeper sediments (lower model layer). Modeled Chino Basin groundwater flow vectors from 2014 were reviewed and support the underflow estimates made using 2009 flow vectors.

In a letter dated June 18, 2015, the DDW approved the request to increase the maximum average RWC limit to 50% at all the basins except for Turner Basins and San Sevaine Basin 5. The determination for Turner Basin was based upon EC and chloride data at the mound monitoring well that suggested only the recent arrival of recycled water at the mound monitoring well in the latter half of 2014 and would require additional data to confirm that evidence of blending has occurred. For San Sevaine Basin 5, recycled water arrival at the mound monitoring well (SS-1) based on EC and chloride data were inconclusive for determining its arrival during the 2011 to 2014 operational period. Recycled water recharge at San Sevaine 5 was suspended in 2014 due to poor infiltration rates and resulting maintenance issues. However, in August 2020, recycled water recharge resumed at the San Sevaine site at San Sevaine 2. Based on the 2020/21 Start-Up Period performance (IEUA and CBWM, 2022), an RWC limit of 50% was determined for San Sevaine 1, 2, and 3, and superseded the 29% limit initially determined for San Sevaine 5.

3.2.2 Evidence of Blending Based on Water Quality

Time-series graphs of EC, TDS, and chloride were prepared for monitoring wells adjacent to the recharge sites to help identify the occurrence of blending within the aquifer. The graphs depicting trends in EC, TDS, and chloride are presented in Appendix C. The graphed data is tabulated in prior quarterly monitoring reports. The method is employed as a simple approximate mass balance method as an illustration that blending is occurring. It is not intended to provide a precise blend, but to show changes occurring. The method includes an assumption that the recharge of stormwater and the imported water are of similar EC and chloride as the groundwater. In general, background (or baseline) groundwater concentrations of EC, TDS, and chloride are much lower than recycled water used for recharge. That blending occurs can be gauged based on how these concentrations change with time and for how long the change persists. The degree of blending

can be estimated based on the proportional relationship of the recycled water EC (and chloride) and the background groundwater EC (and chloride).

In the following recharge site discussion, Table 3-1 provides the estimated 2024 ranges of peak percent blend of recycled water observed at wells showing EC and chloride increases associated with recycled water recharge. For these wells, the mass-balance blends in Table 3-1 are estimated by taking the concentration difference between the annual peak monitoring well groundwater concentration and the groundwater background (or baseline) then dividing by the difference between the recycled water concentration and the groundwater background (or baseline). The background groundwater EC data in Table 3-1 are the approximate well water concentration prior to recycled water recharge. The recycled water date in Table 3-1 is the current calendar year average concentration of the blended RP-1 and RP-4 recycled water. The ranges discussed in the paragraph come from Table 3-1 and are presented as the percent based on EC to the percent based on chloride, respectively.

8th Street Basin Area

For the 8th Street Basin Area, in the shallower monitoring well (8TH-1/1) there was an increase in chloride concentrations from mid-2009 to late 2015 supporting the arrival or recycled water recharged in 2007. This initial arrival represents an approximate 22-month travel time for recharge in the north portion of 8th Street Basin to percolate to the water table and travel to 8TH-1/1. In 2015, the 8TH-1/1 monitoring well groundwater EC, TDS, and chloride concentrations were the highest since the initiation of recycled water recharge at the 8th Street Basin. The highest historical percent blend of recycled water in the groundwater mound at 8TH-1/1 during 2015 was approximately 79% to 98% based on EC and chloride concentrations. In 2024, the highest recycled water blend at the well 8th-1/1 was between 50% and 54%.

In the deeper casing (8TH-1/2), there were slight increases in the EC, TDS, and chloride concentrations from mid-2011 to 2021 after trending downward from when the well was constructed in 2007 through 2011. The 2011 increases suggest recycled water recharge after the start up in 2007 and 2008 may have started to arrive in the deeper casing after a travel time of roughly 46 months. From 2011 through 2023, 8TH-1/2 groundwater EC, TDS, and chloride concentrations continued a gradual rise, suggesting that the movement of recycled water downward at this location may be blending with underflow at a generally steady rate. As the TDS and EC data are within historical, pre-recycled water recharge concentrations, continued monitoring of these two water quality parameters at the deeper casing is needed to identify with certainty the arrival and blending of recycled water at this depth. The highest chloride concentration in 2024 at 8TH-1/2 was 66 mg/L which was greater than the lowest background concentration of 13 mg/L. However, recycled water arrival would be confirmed should EC and TDS continue to rise significantly above the 2011 baseline concentrations (460 µmhos/cm and 300 mg/L, respectively) at this location and depth. The highest percent blend of recycled water in the groundwater mound at 8TH-1/2 during 2024 if confirmed would be approximately 50% to 54%.

Between 2007 and 2018, there was insufficient indication from 8TH-2/2 data to identify a recycled monitoring of the deeper well casing. 8TH-2 was suspended in the third quarter of 2015 and resumed in the second quarter of 2017. In 2019, chloride concentrations trended upwards to a historical high (62 mg/L) but has since gradually decreased to 51 mg/L in 2024. The 2019-2021 increased chloride may suggest the arrival of recycled water after 123 months. The EC and TDS

trends would also be expected to increase with the arrival of recycled water. EC concentrations illustrate an increasing trend in 2019-2024 timed with the upward chloride trend but has not exceed background levels.

Banana & Hickory Basins Area

Beginning in early 2008 and plateauing in mid-2009, the deeper casing of monitoring well BH-1 (BH-1/2) located adjacent to Hickory Basin demonstrated significant changes in EC, TDS, and chloride (a 110-mg/L difference in TDS). These changes are attributed to the initiation and continued recharge of recycled water at Hickory and Banana Basins. In 2010 through 2014, generally consistent EC, TDS, and chloride concentrations of the groundwater at BH-1/2 were observed and suggest a stabilized RWC with historical operations at Hickory and Banana Basins. Through 2015 and into 2016, EC, TDS, and chloride data again increased to historically high levels (another 130 mg/L increase in TDS). In 2020, concentrations remained stable but slightly lower than the peak of 2016. In 2021 through 2022, concentrations began a gradual decrease but in 2023 concentrations increased slightly. In 2024, the highest percent blend of recycled water within the groundwater mound at BH-1/2 reached approximately 55% to 73%.

Since initiation of recycled water recharge in 2005, the California Speedway Infield Well, south of Banana Basin, showed gradual increases in EC, TDS, and chloride concentrations through 2018 (194-mg/L TDS and 48 mg/L chloride differences). The gradual increase is to be expected with gradual blending as groundwater moves away from the basin (compared with the slightly higher TDS variation at the basin area mound of BH-1). Minimum travel time from Banana Basin to the California Speedway Infield Well based on Infield Well data is approximately 29 months. In 2023, the California Infield Well was out of service and is not expected to be placed back in service.

For downgradient well California Speedway No. 2, EC, TDS, and chloride concentrations generally remained the same from 2005 through mid-2012. In April 2012, a slight increasing trend in concentration trend began and continued through 2021. While small, the change supports a recycled water arrived at this well in April 2012, an approximately 6.5-year travel time. In 2021, the highest percent blend of recycled water in the groundwater mound at the California Speedway Well No. 2 reached approximately 48 to 19%. In 2022 through 2024, EC, TDS, and chloride concentrations remained stable and returned to background levels that were observed in 2006.

For downgradient well Reliant East, the EC, TDS, and chloride data do not suggest a definitive arrival of recycled water recharge despite slight increases in the monitored parameters observed in 2015 and 2016. Continued observation of the Reliant well would be needed to evaluate whether it is being impacted by recycled water recharge. Unfortunately, in 2018 the NRG facility closed and the well is no longer operational. IEUA has developed a new well site at IEUA Regional Plant 4 that will replaced the Reliant well for downgradient monitoring and will be in service in 2025.

Ontario Well No. 20 was taken out of service in 2015 and is no longer monitored. Fontana Water Company 37A (located 2,240 feet up gradient of Banana Basin) was taken out of service in 2016 and in 2018 was replaced for monitoring with Fontana Water Company 7A. Due to its location up gradient of Banana Basin, neither well is expected to show a recycled water component. However, EC and TDS concentrations had gradually increased in well 37A between 2005 and 2017. Well 7A has had stable chloride, EC, and TDS trends since monitoring began in 2018.

Brooks Basin Area

For the Brooks Basin area, monitoring wells are located at the basin (BRK-1) and down gradient of the basin (BRK-2). Water quality monitoring of the deeper casing (BRK-1/2 and BRK-2/2) was suspended in the second quarter of 2015 and resumed in second quarter 2017. Monitoring was resumed at these deeper wells to track a peak change in the parameters being sampled.

Brooks Basin recycled water recharge began in September 2008. EC, TDS, and chloride concentrations at BRK-1/1 show seasonal increases and decreases through its history, likely related to recharge activity. From 2013 to 2017, concentration increases of 150 mg/L for TDS and 60 mg/L for chloride were observed and attributed to the presence of recycled water at BRK-1/1. The highest percent blend of recycled water in the groundwater mound at the recharge basin during 2023 was approximately 64% to 65% at BRK-1/1. The historical data shows that blending occurs in the aquifer beneath Brooks Basin. In the deeper casing (BRK-1/2), a notable yet gradual increases in EC, TDS, and chloride began in January 2010 and continued through 2017 and have been stabile from 2018-2023. Concentration increases of 108 mg/L for TDS and 10 mg/L for chloride have been observed and are attributed to the presence of recycled water at BRK-1/2. In 2024, the percent blend of recycled water at BRK-1/2 is approximately 54% to 14%.

The chloride concentrations at BRK-2/1 show a 35-mg/L stepped increase in 2011 that returned to background levels in 2013. In 2015, chloride concentrations in BRK-2/1 increased sharply to historical highs (approximately 20 mg/L higher than the prior high in 2012) and remained just above 80 mg/L through 2018. Chloride concentrations returned to background levels in 2019 before sharply increasing again in 2020, then remained stable though 2024. These chloride pulses mimic similar chloride increase at mound well BRK-1/1 but delayed. These pulses are interpreted to indicate the arrival of recycled water at BRK-2/1.

For downgradient well BRK-2/2, the EC, TDS, and chloride data are relatively stable from 2007 to 2018 and begin a slight increase in 2019, then became relatedly stable through 2024. While these trends do not definitively suggest an arrival of recycled water recharge, continued observation of the BRK-2/2 is needed to evaluate whether recycled water recharge is impacting it.

Ely Basin Area

Groundwater in the area directly south of Ely Basin (south of the 60 Freeway) is on the northern perimeter of a portion of the Chino Groundwater Basin with high TDS and nitrate concentrations. Groundwater in this area has TDS concentrations between 500 and 1,000 mg/L, as is typical of the Chino Basin areas with a long irrigation history (CBWM & IEUA, 2003). Recycled water has been recharged at Ely Basin since 1999. Quarterly sampling of the Ely area monitoring wells began in 2007, when the site was incorporated in the program's recharge permit.

For Ely Basin, monitoring wells are located at the basin (Philadelphia well) and downgradient (Walnut well and Riverside well). Historical recycled water recharge is estimated to have traveled to and beyond the three monitoring wells directly downgradient of Ely Basin due to the basin's recharge history and the wells proximity to the basin (0.0 miles, 0.5 mile and 1.0 mile for the Philadelphia, Walnut, and Riverside wells, respectively).

The late 2014 sample results at the Philadelphia well show EC and chloride at historical high levels nearly equal to that of recycled water. Due to drought conditions in 2014, recycled water

was the predominant recharge source water at Ely Basin, nearly 2,000 AF more than the volume recharged in 2013. From 2015 to 2018, the EC, TDS and chloride concentrations at the Philadelphia well decreased slightly but remained well above pre-2014 levels. During 2018, the highest percent blend of recycled water in the recharge mound groundwater at the Philadelphia well reached approximately 85% to 100%. In 2019, the Philadelphia well remained out of service. In 2020, an evaluation indicated the well casing is damaged, thus requiring a new well to be installed. In late 2023, IEUA completed the installation of a new monitoring well (Ely-3) to replace the damaged Philadelphia well.

At the downgradient Walnut and Riverside wells, the high background concentrations of EC, TDS, and chloride make it difficult to identify the arrival of lower concentration storm water and recycled water. The EC, TDS, and chloride concentrations at the Walnut well have historically been at 1.5 to 2 times the concentrations found in recycled water. It is thus difficult to attribute variations in concentration with recharge activity at Ely Basin. A more definitive indicator of the arrival of recycled water to the Walnut well that could help estimate travel time would be similar trends of EC, TDS, and chloride concentrations observed at the Philadelphia well in 2014 to 2018. As of 2024, such a trend has not been observed.

Further down gradient of the Walnut well, the EC, TDS, and chloride of groundwater at the Riverside well are relatively stable but exhibited a gradual increase in concentration between 2007 and 2014 followed by a slight decrease in 2015. These concentrations have been fairly stable from 2016 to 2024. The results do not indicate any direct seasonal changes from recycled water or diluent water recharge at Ely Basin.

Turner Basin Area

The Turner Basin area monitoring well T-1/2 (at Turner 1) has historical and temporal variations in EC, TDS, and chloride (100 to 200 mg/L for TDS) that can be attributed to cycles of recycled water recharge. For the 5 years after the Turner 1 recycled water start-up period (2006-2007), recycled water deliveries had been limited, and thus EC, TDS, and chloride concentrations decreased towards background levels. However, with the drought conditions of 2014-2018, a larger volume of recycled water was delivered in this period than prior years. The rapid fluctuations in TDS, EC, and chloride concentrations at T-1 indicate recharge water moves quickly away from the Turner 1 Basin. Recycled water recharge at Turner 1 has been insignificant in 2019 through 2024 as recharge is following the sites RWC management plan. During 2024, EC, TDS, and chloride continue to decline and even drop below historic background levels.

At monitoring well T-2/2 (at Turner 4), the EC, TDS, and chloride concentrations arrivals due to recharge are delayed several months. The slower and smaller relative concentration changes (compared to Turner 1's monitoring well T-1/2) suggests that recharge from Turner 4 is more laterally distributed when it reaches the groundwater table. This is consistent with the slower recharge rates observed at Turner 4. In 2019, concentrations of EC, TDS, and chloride concentration increased at the deeper well casing T-2/2 at Turner 4 following recharge in late-2018. During 2023 the highest percent blend of recycled water in the groundwater mound at the Turner 4 Basin was approximately 39% to 52%. The T-1/2 and T-2/2 EC, TDS, and chloride data periodically indicate blend ratios of near 100% when recharge is near 100% recycled water. At other times of less recycled water recharge, the data show recycled water beneath the Turner Basins is blending in the aquifer with groundwater and other recharge source waters.

Downgradient from the Turner Basins, Ontario Well No. 25 showed a slight increase in EC (75 µmhos/cm), TDS (40 mg/L), and chloride (10 mg/L) above background levels that suggest recycled water arrival in July 2010. From mid-2010 through 2016, the EC, TDS and chloride concentrations in Ontario Well No. 25 have remained relatively constant. Declines towards background concentrations were observed by the end of 2017 and 2018. Estimated travel time based on these water quality data is approximately 48 months. As of 2019, Ontario Well No. 25 has been classified by DDW as inactive.

Downgradient Ontario Well No. 29 in January 2009 through 2010 showed a slight stepped increase in TDS and chloride concentration similar in magnitude to the gradual rise at Ontario Well No. 25. However, the increases at Ontario Well No. 29 are within the range of background data. These changes are not definitive changes that would correlate with groundwater recharge using recycled water. Ontario Well No. 29 was not sampled from October 2010 to October 2012 because the well was out of commission. The 2013 through 2024 Well No. 29's concentration data are lower than the wells' peak values in 2010 and are within background concentrations. Additional data from future monitoring are required to assess the arrival and occurrence of recycled water at Ontario Well No. 29.

RP3 Basin Area

For the RP3 Basins area, the initiation of recycled water recharge occurred in June 2009. The 2009 through 2012 variations in water quality concentrations from the RP3-1 monitoring wells were difficult to draw conclusions from regarding the percent recycled water. The variations were likely due to purging of higher TDS and chloride water from the soil and groundwater beneath the basin. After basin maintenance and increase in storm water and diluent water recharge due to wet winter conditions, the EC, TDS, and chloride concentrations at RP3-1 were at historical lows in the summer of 2012. Use of the 2012 low concentrations as the baseline conditions has since been used to estimate the blend of recycled water beneath the RP3 Basins. During 2024, the percent blend of recycled water in the groundwater at well RP3-1/1 was 86% and 99% (EC and chloride based).

Downgradient well ALCOA MW-3 has higher EC, TDS, and chloride concentrations than ALCOA MW-1. ALCOA MW-3 and -1 are approximately 4,600 feet and 9,200 feet distant from RP3 Basins, respectively. In 2021, ALCOA MW-3 groundwater continued to show fluctuating EC, TDS, and chloride concentrations, though these fluctuations were generally smoother and of smaller magnitude than previous years. This behavior continues to suggest higher salt content water moving past the well site. From 2017 through 2024, the peaks of the EC, TDS, and chloride appear to have stepped above the prior range of variation. These higher concentrations exceed that of recycled water and is thus not an indication of the arrival of recycled water at this location. More data is required to evaluate the arrival of recycled water at ALCOA MW-3.

Downgradient well ALCOA MW-1 shows seasonal (summer through early fall) spikes in EC, TDS, and chloride from 2011 through 2024. These spikes of high concentrations are greater in magnitude than their respective concentrations in recycled water, and thus are likely due to higher salt content water moving past the well. EC, TDS, and chloride concentrations show an acute increase to historical highs during the summer and early fall of 2020. Though concentrations fell during two subsequent samplings, levels remain well above historical background values. Determining the source of this spike will require further observation. The background

concentrations at ALCOA MW-1 are similar to that of recycled water. More data is required to correlate the arrival of recycled water recharge at ALCOA MW-1.

The Southridge Junior JHS well is located approximately 5,200 feet down gradient of the RP3 Basins. The Southridge JHS well water quality data showed a slight but gradual decrease in EC, TDS, and chloride concentrations since quarterly sampling began in 2009 through 2024. The TDS, EC, and chloride background concentrations (2009 through 2013 data) at the Southridge JHS well are slightly higher than that of recycled water. As such, recharge mixing of groundwater, recycled water, stormwater and imported water arriving at this well location would appear as a lowering of concentrations. Alternatively, it could increase as higher salinity upgradient groundwater moves southward. The slight variations in the water quality data do not suggest that a blend of recycled water recharge has reached the downgradient Southridge JHS well from the RP3 recharge site.

Declez Basin Area

Recycled water recharge at Declez Basin began in December 2015 and was voluntarily suspended in September 2016 after its Start-Up Period. Recycled water recharge resumed in April 2018 after completion of a downgradient monitoring well DCZ-2. In t018, The spiked nature of EC, TDS, and chloride concentrations at DCZ-1/1appear to be similar to the fluctuations observed at the upstream ALCOA monitoring wells and not like the smooth data trends of the Southridge JHS well. The suggests the spikes are not related to recycled water contribution to Declez basin. Regardless, the DCZ-1/1 groundwater EC, TDS, and chloride concentrations are significantly lower than these upstream monitoring wells. In December 2017, increased TDS, EC, and chloride concentrations at DCZ-1/1 are preliminarily interpreted as arrival of recycled water at DCZ-1/1 (a 23-month travel time). The resumption of recycled water recharge in April 2018 allowed confirmation of the travel time based on a second correlation of increased EC and chloride in November 2019. The 2019 confirmation resulted in a 21-month travel time. The 21- and 23-months travel times are within the precision of quarterly sampling. To be conservative from a compliance perspective, 21 months will be considered the travel time. During 2024, the DCZ-1/1 well was out of service. At DCZ-2, the EC, TDS, and chloride concentrations continue on a gradual upward trend suggesting the arrival of recycled water. The percent blend of recycled water in the groundwater at DCZ-2 was estimated at approximately 36% to 44% based on EC and chloride.

San Sevaine Basin Area

Monitoring of San Sevaine Basin area wells began in late 2009. Initiation of recycled water recharge began at San Sevaine 5 in July 2010 and was suspended voluntarily in September 2014 to develop plans to mitigate poor infiltration rates and midgefly control. The solution was to build a pipeline to the San Sevaine 1, 2, and 3 Basins, which facilitated the resumption of recycled water delivery in August 2020. A pump station was also constructed to pump stormwater captured in Basin 5 through the recycled water pipeline to the Basins 1, 2, and 3.

A modified start-up protocol was prepared to repeat the San Sevaine Start-up Period testing using Basin 2. Since basins 1, 2, and 3 are adjacent to one another and only separated at the surface by dirt berms, the data collected for basin 2 is representative of basins 1, 2, and 3. The modified start-up period of recycled water recharge in San Sevaine 2 occurred from August 2020 through September 2021. A new monitoring well (SSV-2) was installed at Basin 2. SS-1, SSV-2, and

United 91090 are used as the nearest downgradient wells to monitor for recycled water arrival at these locations

Since the initiation and end of recycled water recharge in San Sevaine 5 (2010-2014), EC and chloride concentrations declined gradually through 2015, stabilized through 2019, gradually increased above background concentrations through 2020, and declined towards background concentrations in 2021. These increases occurred prior to resumed recycled water recharge at San Sevaine 2 in August 2021 and are therefore unrelated to 2021 recharge. It is possible that these increases may be related to the initial recharge of recycled water at Basin 5. If so, this would suggest an approximate 9-year travel time from Basin 5 to groundwater at monitoring well SS-1.

The San Sevaine Modified Recycled Water Recharge Start-Up Protocol used a new mound monitoring well (SSV-2) that was installed in mid-2018 at San Sevaine 2. For SSV-2, the initial EC, TDS, and chloride concentrations measured since Fall 2018 are generally stable and in line with baseline values measured at Unitex 91090, though exhibit minor fluctuation over the 2018-2020 sampling window. A sharp increase in EC, TDS, and chloride concentrations were observed in SSV-2 in January 2021 and indicates the arrival of recycled water at the monitoring well after 4.9 months of travel time (IEUA & CBWM, 2022). During 2024, the highest percent blend of recycled water in the groundwater at SSV-2 was estimated at approximately 22% to 18%.

The Unitex 91090 monitoring well continues to show slight increases in concentrations of EC, TDS, and chloride. The values began to increase in the summer of 2021 and continued to gradually increase through 2024. These increases indicated that recycled water has arrived and suggests a 1-year travel time from Basin 2 to the Unitex 91090 well.

Victoria Basins Area

Monitoring of Victoria Basin area wells began in February 2010 and initiation of recycled water recharge began at Victoria Basin in September 2010. Victoria Basin mound monitoring well VCT-1/1 showed a steady increase in EC, TDS, and chloride concentrations beginning in May 2011 that continued into early 2016. These values stabilize in mid to late 2016 at values typical of recycled water. Parameters followed a declining trend through mid-2019 and then experienced a brief rebound in mid-2020 before continuing to decline to mid-2019 levels. Mound monitoring well VCT-1/1 water quality data support a travel time of approximately 7.5 months. During 2024, the percent blend of recycled water in the groundwater mound at Victoria Basin was approximately 66% to 77% at VCT-1/1. Downgradient wells VCT-2 and CVWD No. 39 have not shown any EC, TDS, or chloride variations that would indicate arrival of recycled water.

3.3 RWC Management Plan

The RWC Management Plan is a necessary tool to demonstrate how IEUA and CBWM will meet the maximum RWC limits established during the start-up period of a recharge site. A basin's volume based RWC must be in compliance with its RWC limit. Volume-based RWC is a calculation of the percent recycled water infiltrated compared to all recharge and is based on a 120-month rolling average. Appendix B contains the RWC Management Plans for 8th Street, Banana, Brooks, Ely, Hickory, RP3, San Sevaine, Turner Basin 1&2, Turner Basin 3&4, Victoria, and Declez Basins. While the plans contain calculations for up to 120 months of historical data; however, the RWC Management Plans graphs (Appendix B) only display the previous 5 years (60 months) of historical recharge and 10 years (120 months) of forecast (planned) data.

Historical data not contained in the current report appendices are contained in prior annual reports.

The RWC Management Plans include two parts. Part 1 displays the historical operation of the basin. Part 2 is the planned optimal operation. The historical portion of a basin's RWC Management Plan shows actual diluent water (storm water and imported water) and actual recycled water recharge volumes. The planned section includes projections of average stormwater diluent water recharge and maximized recycled water recharge deliveries. Storm water projections are updated annually and represent a basin's historical monthly stormwater recharge average. For a conservative approach to the RWC forecast, future recharge of imported water is not used in the RWC Plan.

In 2009, IEUA and CBWM received a permit amendment from the Regional Board Order No. R8-2009-0057 that allowed a change from a 60-month to a 120-month RWC averaging period and for the inclusion of a fraction of groundwater underflow as a diluent water source in the RWC calculation. The RWC Management Plans included underflow beginning in October 2009 for basins that had already receiving recycled water at the time the permit amendment was issued allowing accounting of underflow. For basins that started recycled water recharge after the 2009 permit amendment, the use of underflow in the RWC calculation begins upon the month of recycled water recharge initiation. IEUA reviewed 2019 groundwater flow data, similar to that reviewed in 2009 when the underflow estimates were made and determined the underflow estimates are still valid. For basins that share the flow path of groundwater underflow, the underflow volume is used for both basins as the travel time between these basins exceeds that required for drinking water wells, and thus any upstream blend has become groundwater again upon reaching the downstream basin. Victoria and San Sevaine Basins share a common underflow as do RP3 and Declez Basins.

Forecasts for recycled water are made by determining a basin's optimal monthly capacity and then subtracting the average monthly stormwater. Thus, the RWC Plan includes the maximum possible recharge and is thus a conservatively high estimate of future RWC. The conservative calculations do not include months of no recharge during future basin maintenance. Should the forecasted recycled water volume cause a basin RWC prediction to exceed its RWC limit, the basin capacity number is sequentially reduced until the RWC limit is no longer exceeded. Turner 1, Turner 4, Declez, and San Sevaine are basins whose RWC Plans include a recycled water recharge capacity less than the basin's maximum capacity. These basins each have an RWC limit of less than 50%. No basins are forecasted to exceed their RWC limit with the forecasted estimates of average diluent water.

Table 3-2 lists the volume-based RWC at the end of the year for the most recent eleven years (2014-2024) for each basin. The recharge sites are all in compliance with their maximum RWC limits. Based on future projections of diluent recharge, the RWC Management Plans show that recycled water deliveries for each basin can continue to be made and remain in compliance with their RWC limits.

3.4 Buffer Zone/Travel Time Compliance

Section VI.B.3.e of the M&RP requires the annual report to include the following:

A summary discussion on whether domestic drinking water wells extracted water within the buffer zone defined by the area less than 500 feet and 6 months underground travel time from the recharge basins, including the actions/measures that were undertaken to prevent reoccurrence. If there were none, a statement to that effect shall be written.

As stated in the cover letters of the 2024 quarterly monitoring reports, CBWM has certified that there was no reported pumping of groundwater in 2024 for domestic or municipal use from the zones that extend 500 feet and 6 months underground travel time from the 8th Street, Banana, Brooks, Ely, Hickory, RP3, San Sevaine, Turner, and Victoria Basins. In fact, there are no domestic or municipal production wells in the buffer zones of these recharge sites.

3.4.1 Recharge Water Arrival Times

As documented in prior annual reports and the basin start-up period reports, sufficient data exist to estimate arrival times of recycled water at monitoring wells: 8TH-1/1 and 8TH-1/2 for 8th Street Basin; BRK-1/1, BRK-1/2, and BRK-2/1 for Brooks Basin; BH-1/2 for Hickory Basin; California Speedway Infield Well for Banana Basin; T-1/2 and T-2/2 for Turner 1 and Turner 4 Basins, respectively; Ontario Well No. 25 for Turner 4 Basin; SSV-2 at San Sevaine Basin, VCT-1/1 for Victoria Basin, RP3-1/1 and RP3-1/2 for RP3 Basins, and DCZ-1/1 for Declez Basin. The evaluations of arrival time are based on the water chemistry data presented in Appendix C and basin operations data. Arrival times can be determined from notable increases in EC, TDS, and/or chloride concentrations above background, excluding variations in these parameter concentrations unrelated to recharge.

8th Street Basin Area

The recycled water travel time at the 8th Street Basin through the vadose zone is estimated through the evaluation of the increasing trend in EC, TDS, and chloride concentrations from July 2009 through 2016. Recharge of recycled water began at 8th Street Basin on September 7, 2007; thus, the travel-time estimate for 8TH-1/1 is approximately 660 days (22 months). Downgradient monitoring well 8TH-2 does not yet show conclusive indication of recycled water arrival. Water quality sampling of the deeper casing of 8TH-2 (8TH-2/2) was suspended in mid-2015 but added back into the program in second quarter of 2017. Sampling of 8TH-2/2 will continue until a long-term trend of influence from recharge activity is identified. From 2018 through 2019, chloride concentrations at 8TH-2/2 increased to greater than background concentrations before beginning a slight decline in late-2019. This increase in chloride coincided with a slight increase in EC levels, though there was no discernible increase in TDS. It is still too early to determine whether recycled water has arrived, but it is worth highlighting that there is a minimum ten-year travel time to this well. Parameters at this well will continue to be monitored in 2025.

Banana & Hickory Basins Area

Travel time from Hickory Basin through the vadose zone and along groundwater flow paths to monitoring well BH-1/2 was documented in the 2008 Annual Report at approximately 59 days. (IEUA and CBWM, 2009). The California Speedway Infield Well began a gradual increase in EC, TDS, and chloride in late 2007. The travel time to the California Speedway Infield Well from Banana Basin is estimated as 890 days (29 months) based on a stepped increase in EC, TDS, and Chloride concentrations between October 9, 2007 and January 7, 2008. The modeled travel

time to the California Speedway Infield Well estimated in the first Title 22 Engineering Report was 682 days (22 months) (CH2MHill, 2003).

Travel time from the Banana & Hickory Basins to California Speedway No. 2 is estimated at 83 months (6.9 years) based on a gradual increased trend in EC, TDS, and chloride concentrations that began in July 2012 and has continued through 2021. As presented in the 2015 Annual Report, these parameters were relatively stable from 2006 to 2012 (IEUA and CBWM, 2016). Speedway No. 2 is located about one half mile south of Hickory Basin. Based on the groundwater flow direction, the increased trend in EC, TDS, and chloride concentrations was due to the arrival of recharged recycled water from Banana Basin. A travel time estimate was not modeled for Speedway No. 2 in the Phase I Title 22 Engineering report (CH2MHill, 2003). The upgradient monitoring well FWC-37A (removed from service in 2017) showed a gradual increasing trend in chloride (10 mg/L), EC, and TDS (40 mg/L) from 2006 through mid-2014, which leveled off through mid-2017. As an upgradient well, these increases are a local trend not associated with recycled water recharge activities at Banana & Hickory Basins. The trend at Speedway No. 2 is however interpreted as a recycled water arrival due to its relatively stable concentrations during that period of 2006 to 2012. When taken out of service in 2017, the downgradient monitoring well, Reliant East, had not yet shown definitive variations in EC, TDS, and chloride that would signal arrival of recycled water. The Reliant East well owner closed their power generating station and the well is no longer available for sampling. IEUA has developed a new well site at IEUA Regional Plant 4 that will replaced the Reliant well for downgradient monitoring and will be in service in 2025.

Brooks Basin Area

Travel time from Brooks Basin through the vadose zone to the shallow casing of mound monitoring well BRK-1/1 located at the basin is approximately 150 days (5 months) based on trends in EC, TDS, and chloride data documented from 2009 data (IEUA and CBWM, 2010b) The chloride increased from background concentration to over 80 mg/L in January, February, and March 2009 are indicative of the arrival of recycled water. Evaluation of 2010 through 2015 EC, TDS, and chloride data indicate recycled water arrived at the deeper casing (BRK-1/2) in January 2010 for a travel time of approximately 526 days (17 months).

At the downgradient monitoring well BRK-2, an increase in chloride concentration at BRK-2/1 was observed from 2011 through 2012, again in 2015 through 2018, and once more in 2020 through 2021. Similar peak increases in chloride concentration were observed in BRK-1/1 are similar to increases in chloride concentration in BRK-2/1 18 months later. The BRK-1/1 chloride trend is added to the BRK-2/1 trend for comparison (Appendix C). The initial peak increase in chloride concentration at BRK-2/2 suggested a recycled water travel time of approximately 28 months (2.3 years). Chloride, EC, and TDS concentrations at BRK-2/2 continue to be consistent with background concentrations, which suggests that recycled water has not arrived at this well.

Ely Basin Area

Groundwater in the Ely Basin area has high background TDS and nitrate concentrations from a history of irrigation. Due to lack of background monitoring prior to recharge of recycled water at Ely Basin and the variations observed in EC, TDS, and chloride concentrations at the Philadelphia, Walnut, and Riverside wells, the arrival times are difficult to determine. Recycled water recharge began in 1999 and thus it is estimated that recycled water has already arrived and

traveled beyond these wells. For the Philadelphia Well, peak EC, TDS, and chloride concentrations observed in late 2014 correlate with peak recycled water deliveries to Ely Basin 13 month prior and thus indicated a 13-month travel time to the Philadelphia well. In 2019, the well pump became stuck in the well and was not operational. In 2020, an evaluation indicated the well casing is damaged, thus requiring a new well to be installed. In 2023, a new monitoring well (Ely-3) was installed to replace the damaged Philadelphia well.

Turner Basin Area

Travel time from Turner Basins through the vadose zone to the groundwater is approximately 10 to 12 months for both the Turner 1 (T-1/2) and Turner 4 (T-2/2) well sites. The initial rise in EC, TDS, and chloride concentrations at T-1/2 suggested a 3-month travel time; however, the decline in EC, TDS, and chloride concentration during the summer of 2008 following a suspension in recycled water recharge in the Turner Basins suggested a longer travel time of approximately 10 months. At T-2/2, the EC, TDS, and chloride concentrations increased significantly from background concentrations in the summer of 2007 and indicated an (initial) 11-month travel time. Both monitoring wells have two casings, with the shallower being designated /1 and the deeper being designated /2. T-1/1 is not currently sampled as it was constructed above the water table for future mound sampling needs, T-2-1 sampling was suspended in 2015 due to sampling results similar to T-2-2. Original modeling (CH2MHill, 2003) for the Turner recharge site predicted a 109-day (9-month) travel time to each of these wells. Decrease in EC, TDS, and chloride concentrations at T-1/2 indicate that recycled water recharged during the start-up period migrated away from this location after the high-volume recharge start-up period ended in 2007.

The travel time from Turner Basins to downgradient Ontario Well No. 25 is approximately 1,475 days (48 months) (IEUA and CBWM, 2011). Downgradient monitoring well, Ontario Well No. 29, has not yet shown variations in EC, TDS, and chloride that could signal arrival of recycled water at these well sites. Data collected in 2022 from Well 29 are consistent with the prior data interpretations. No data was obtained from Well 25 due to it being inactive since mid-2019.

RP3 Basin Area

Travel time from RP3 Basin (cell 1) through the vadose zone to the shallower casing of mound monitoring well RP3-1/1 (located at on the west side of cell 1) was initially interpreted in the 2009 Annual Report (IEUA and CBWM, 2010a) to be approximately 14 days based on observation of EC changes. However, 2009 through 2010 data and RP3 Basin Start-Up Period Report (IEUA & CBWM, 2010d) findings indicate the earlier data did not represent the arrival of recycled water but was instead evidence of vadose zone flushing (IEUA and CBWM, 2010c). The EC and water level trends support a travel time estimate of approximately 99 days. While the background EC prior to recycled water recharge was 1,000 to 1,100 µmhos/cm, initiation of storm water recharge operations at cell 1 in February 2009 appears to have pushed the higher EC water from the vadose zone raising the well water EC to 1,400 µmhos/cm. Recycled water recharge began on June 2, 2009 and a 400-µmhos/cm decrease in EC was observed in this mound monitoring well by August 25, 2009. The approximately 99-day travel time to the well is corroborated by the hydrograph of well casing RP3-1/1 (Appendix D), which shows an approximately +90-day delay between the mid-September 2010 recharge low and the mid-December 2010 water level low. Arrival of recycled water was also observed as chloride concentration increased in both the shallow (RP3-1/1) and the deep (RP3-1/2) casings in the summer of 2010, approximately 12 months after initiation of the recycled water recharge in the basin. The longer time to observe a chloride response is likely due to the purged of the vadose zone.

With the exception of ALCOA MW-1, data collected in 2021 are consistent with the prior data interpretations for the RP3 region monitoring wells. The water quality data from downgradient monitoring well ALCOA MW-1 (about 9,200 feet from RP3) illustrates a prominent increase in EC, TDS, and chloride concentrations from historical highs during the summer and early fall of 2020. Though concentrations fell during two subsequent samplings, levels remained above historical background values. As the chloride concentration peaked 260 mg/L greater than that of recycled water chloride, further observation and investigation may be required to better determine the source of this spike and arrival of recycled water. ALCOA MW-3 (about 4,600 feet from RP3) show gradual increasing trends in chloride concentrations. These increases in chloride concentrations are not indicators of recycled water arrival at both wells, as they are located at different distances and flow directions from RP3. The Southridge well water quality data have been on a downward trend throughout its entire sampling history from 2009 through 2024, and do not indicate arrival of recycled water recharge.

Declez Area

Travel time to the Declez Basin mound monitoring well is approximately 23 months as evidenced by a stepped increase in EC, TDS, and chloride above historical background levels beginning in approximately December 2017 following initial recycled water deliveries in January 2016. Downgradient monitoring well DCZ-2 shows a slight increase in EC, TDS, and chloride concentration beginning in February 2020, but remains similar to background concentrations. Continued monitoring and observation at DCZ-2 will help confirm the arrival of recycled water.

San Sevaine & Victoria Basins Area

San Sevaine Basins lie directly upgradient of Victoria Basin, and thus these two sites are considered together. Travel time from recharge at San Sevaine Basin 5 to the water table is complicated by recharge activities at the other San Sevaine Basins. San Sevaine Basins 1, 2,

and 3 are located upgradient from San Sevaine Basin 5. The hydrograph of SS-1 is complimented with recharge of both San Sevaine Basin 5 (storm water and previously recycled water) and the combined San Sevaine Basins 1, 2, and 3 (recycled water, stormwater, and imported water). The basins within the San Sevaine site appear to have different impacts on the timing on changes in SS-1 well water levels (varying from 2 to 4 months), making the timing of water quality impacts from San Sevaine recharge complicated and warranting further data collection.

Due to operational and maintenance limitations, recharge of recycled water was discontinued in San Sevaine Basin 5 in 2014. San Sevaine Basin 5 remains an active basin for stormwater capture and recharge, however, the basin is used largely to store water prior to transferring to other basins. The San Sevaine Basin 5 mound monitoring well showed a spike in chloride in the second half of 2019, which dropped in subsequent sampling in 2021 but remained above baseline levels. This spike coincided with a more sustained increase in EC and, to a lesser extent, TDS. These trends will continue to be monitored to see if their duration matches the limited historical recycled water deliver to San Sevaine Basin 5.

A modified Start-Up Period for San Sevaine Basins began with recycled water deliveries in August 2020. A new mound monitoring well, SSV-2, was previously installed adjacent San Sevaine 2 Basin as part of the Modified Start-Up Protocol and has been sampled quarterly since September 2018 and monthly since August 2020. Background water quality data collected prior to and during the start-up period from SSV-2 were generally stable and similar to those observed at nearby well Unitex 91090. From December 2020 through October 2022, monthly sampling events detected notable increases in EC, TDS, and chloride concentrations at SSV-2. Though this rise represents the arrival of recycled water at the mound monitoring well, more observation is needed to identify the peak concentrations possible. To allow the modified San Sevaine Start-Up Period to occur, on June 1, 2019 the nearby cross-gradient well Unitex 91090 was removed temporarily from potable service pending results of monthly monitoring for arrival of recycled water indicators. Recycled water indictors were detected at the well Unitex 91090 in the summer of 2021 indicating a travel time of approximately 1-year.

For Victoria Basin, mound monitoring well VCT-1/1 water quality data (EC, TDS, and chloride) support a travel time of approximately 7.5 months. The time is based on the initiation of recycled water recharge on September 2, 2010 and the beginning of a steady rise in EC, TDS, and chloride (starting with the May 19, 2011 sample) through 2016. As of 2024, there is no convincing observation of recycled water arrival at wells VCT-2 and CVWD-39.

3.4.2 Leading Edge of Recycled Water in Aquifer

The leading edges of groundwater containing a component of recycled water were evaluated for the various recharge sites using monitoring well data. Such data include groundwater elevations changes and changes in EC, TDS, and/or chloride concentrations. Water quality data were discussed in Section 3.2 and Section 3.4.1. Appendix D contains basin-specific water level hydrographs, with discussion in Section 3.5.2 of water level mounding due to recycled water recharge. Location maps for wells monitored for the recharge program are presented in Figures 2-1 through 2-7. Evaluation of basin-specific water chemistry and water level data indicate recycled water recharge has passed the first monitoring wells of 8th Street, Banana, Brooks, Ely, Hickory, Turner Basins, San Sevaine, Victoria, and RP3 Basins. Several production wells used for monitoring near the recharge basins show water quality changes from background

concentrations that would be associated with recycled water recharge, specifically, California Speedway Infield Well and Speedway 2 for Banana & Hickory Basins and Ontario Well No. 25 for Turner 4. CBWM certifies on a quarterly basis that no pumping for drinking water purposes took place in the buffer zones extending 500 feet laterally and 6 months of underground travel time from each of the recharge sites using recycled water and further specifies there are no domestic or municipal production wells in the buffer zones of these recharge sites.

3.4.3 Tracer Test Results

No tracer tests were conducted in 2024, nor are any planned for the current program.

3.5 Groundwater Elevations

Section VI.B.3.b of the M&RP requires the annual report to include a discussion of groundwater elevations and flow paths:

> Recharge water groundwater flow paths shall be determined annually from groundwater elevation contours and compared to the flow and transport model's flow paths, travel of recharge waters, including leading edge of the recharged water plume, any anticipated changes. The flow and transport model shall be updated to match as closely as possible the actual flow patterns observed within the aquifer if the flow paths have significantly changed.

3.5.1 Current Groundwater Elevations

Groundwater elevations from the recharge program monitoring wells and many other wells are used by CBWM to periodically prepare groundwater elevation contours of the Chino groundwater basin. Groundwater contour maps were prepared for 1997, 2000, 2003, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, and 2022. These groundwater elevation maps from the CBWM's *Biennial State of the Basin Reports* are presented in Appendix E. The Spring 2022 elevation contour map will be used for discussion in this report.

A comparison of the pre-recharge elevation (contour map (Fall 2003) with the most recent post program start-up groundwater contour map (Spring 2022) indicates several things. First, regional changes in groundwater elevation near the recharge basins are present, but trends from enhanced recharge (apart from 8th and Turner Basins) are not generally evident using the 25-foot contour interval of the maps, indicating that the recharge program has not significantly impacted regional groundwater flow directions. A significant difference in groundwater flow direction between the 2003 and 2022 maps are the mound at 8th Street, which between 2012 and 2020 had a more westward direction as opposed to a south-southwest direction in 2013. This difference may indicate the 8th Street Basin downgradient monitoring well location (8TH-2) is not appropriately located to characterize downgradient recharge water quality. Recharge mounds at basins (such as that around the Turner Basin) are evident on the regional map and by well hydrographs of monitoring wells (Appendix D). In general, these seasonal mounds are within the 25-foot contour interval of the maps. Since 2008, a deeper and larger area pumping depression has developed around the Chino Desalter (hydraulic control) well field as noted by the 550-foot elevation contour wrapping to the to the west to indicate recharge flow from the Santa Ana River. Also, during this time, the regional pumping depression in the Pomona area west of Brooks Basin has become smaller and narrower. There are some changes in the contouring style/methodology between the 2003 and 2022 maps. For example, the groundwater contours in the area north of

Victoria and San Sevaine Basins were interpreted for the 2003 map but were not interpreted for the 2010 through 2022 maps.

3.5.2 Water Level Trends in Monitoring Wells

Appendix D contains groundwater elevation hydrographs for wells constructed for the monitoring program. Location maps for wells monitored for the recharge program are presented on Figures 2-1 through 2-7. Plotted on each hydrograph is the daily volume of water captured at the nearest recharge site. These hydrographs can be used to identify local increases in groundwater elevations and their correlation with local recharge. Generally, the hydrographs are from mound monitoring wells at recharge basins or the closest monitoring well downgradient of the recharge basin.

8th Street Basin Area

The hydrographs of the 8th Street Basin mound monitoring well (8TH-1) show relatively stable long-term groundwater elevations from 2008 through 2020 that seasonally fluctuate between 635 to 680 feet above mean sea level (MSL). In 2021, 8TH-1/2 water levels declined about 7 feet and reached 635 feet MSL, the lowest elevation since 2009. There is an approximate 4-month delay and strong correlation between basin recharge and groundwater elevations in both 8TH-1/1 and 8TH-1/2, indicating relatively rapid recharge of surface water to the underlying aquifer. The hydrograph for downgradient well 8TH-2 shows about a 10-foot increasing water level trend between 2008 and 2013, which then stabilizes at approximately 635 feet MSL between 2014 and 2020. In 2021, 8TH-2 water levels also decline to near prior low levels of 2009. Short duration downward water level spikes of the 8TH-2 hydrograph are indicative of nearby groundwater pumping activities. In 2024, the downward trend is most likely due to brief drought conditions and drying of the basin for maintenance activities.

Brooks Basin Area

BRK-1/1 water levels have remained within a 30-foot range through their history, ranging from 607 and 632 feet MSL. The hydrographs for the Brooks Basin mound monitoring well (BRK-1/1) show relatively small (no more than 2-foot) seasonal water level fluctuations and broader more annual trends. Groundwater levels at the mound well generally decreased from 2008 through 2009, stabilized from 2010 through 2013, decreased from 2014 through mid-2016, stabilized from mid-2016 through 2021 and gradually decreased in 2022. The downward trends are perhaps due to brief drought conditions and a decrease in stormwater recharge or other nearby groundwater stresses. In 2024, the increase in level is most likely attributed to recharge of imported water in the Montclair basins to the north.

At the deeper casing, BRK-1/2 groundwater elevations typically follow the long-term trend of BRK-1/1 but 20-feet lower and with increased seasonal fluctuations from nearby pumping. BRK-1/2 water levels range between 585 and 615 feet MSL.

The hydrographs of downgradient (intermediate) monitoring well BRK-2 show similar groundwater elevation trends as BRK-1/2, suggesting water levels of these two casings are influenced more by regional groundwater changes than by Brooks Basin recharge. BRK-2 casings have larger seasonal fluctuations and pumping influences than BRK-1/2, as BRK-2 is closer to the pumping centers in the City of Pomona. BRK-2 also shows an increase in level in 2024 most likely attributed to the recharge of imported water at the Montclair basins.

Banana & Hickory Basins Area

The hydrograph for the Banana & Hickory Basins mound monitoring well (BH-1) shows seasonal water level fluctuations between approximately 680 and 690 feet MSL and generally stable through the 15 years of data shown. From 2008 through 2019, the BH-1/2 hydrograph shows relatively stable water levels with 5 to 10-foot seasonal fluctuations. However, from 2020 through 2022, the hydrograph shows a gradual decrease in water levels to 5 feet below its prior historic low. From 2022 through 2024, the hydrograph again shows an increase back to historic levels. The peak and trough seasonal fluctuations appear delayed between 3 and 4 months from peak recharge activities. Impacts on water elevations due to recharge at Hickory and Banana Basins are muted and delayed due to the over 400-foot depth to the water table at this location.

Ely Basin Area

Ely Basin has received recycled water recharge since 1999, 6 years prior to the currently permitted regional recharge program. In 2011, IEUA installed a transducer in MW-1 (aka the Philadelphia well) and began recording water levels. Since 2011, the long-term water-level trend near Ely Basins is stable but fluctuates +/- 5 to 20 feet in response to recharge. In January 2015, the water level transducer malfunctioned and several months of water level data were lost. In late 2018, it was discovered that MW-1 was damaged and could not be repaired and was permanently out of service. Ely-3 was constructed to replace Philadelphia well and 2024 water level data for Ely-3 is consistent with historical and seasonal water level data at Philadelphia well.

Turner Basin Area

The hydrographs for the two Turner Basin monitoring wells, T-1/2 and T-2/2, show general long term 40-foot increase in water levels between 2008 and 2017 followed by a long term 30-foot decline from 2018 to 2022. For these two sites, the annual winter highs and summer lows show 10 to 20-foot differences, suggesting recharge at Turner Basins has a positive local impact on regional water levels. The peak water levels are delayed about 1 to 2 months from periods of higher volume recharge.

RP3 Basin Area

The hydrographs of the RP3 Basin mound monitoring well, RP3-1, shows a good correlation with recharge activity at the basin. In 2008 and 2009, the water elevation varied by no more than 2 to 3 feet with recharge activity. However, recharge volume started to increase in June 2009 at RP3 Basins when recycled water and storm water were delivered from Jurupa Basin to RP3 Basins. From 2009 through 2011, water levels at RP3-1 rose approximately 20 feet. A similarly dramatic decrease in groundwater elevation occurred in late 2012 when the RP3 Basin was offline for maintenance. In 2013, water levels rebounded 5 to 10 feet upwards with renewed recharge. Water levels at RP3 fell about 12 feet through most of 2014 due in part to the low rainfall and stormwater recharge in that year. In mid-2015, IEUA completed the Wineville pipeline extension to RP3 and began delivering recycled water at an increased rate to all cells at the RP3 site. This resulted in water levels in both the shallow and deep RP3-1 casings rising and falling up to 15 feet as recharge activity increased and decreased. In 2018, water levels remained about 10 feet higher than pre-recycled water recharge. The groundwater level fluctuations in 2019 can be attributed to the suspension of basin recharge for basin maintenance purposes, and the dramatic rise and fall

in water levels from 2020 through 2024 correspond to the resumption of normal recharge operations at the basin.

Declez Basin Area

The long-term water level trend at the Declez recharge mound well site has been relatively stable between 2008 and 2020, fluctuating between 698 and 722 feet MSL. The DCZ-1 data generally shows 10 to 15 feet seasonal variations, with the water level responding within days of stormwater recharge. Recycled water recharge was initiated at Declez Basin during its start-up period of December 2015 through September 2016. With that initiation, the seasonal water level highs increased by about 5 feet. Recycled water delivery to Declez Basin stopped in September 2016 and resumed in April 2018 upon completion of downgradient monitoring well DCZ-2. The DCZ-2 hydrograph does not yet have sufficient water level data to estimate the influence of Declez Basin recharge at that well site.

San Sevaine Basins Area

Monitoring well SS-1 was installed in spring 2010 for monitoring recycled water recharge at San Sevaine 5. The recharge history of San Sevaine 5 alone does not correlate well with SS-1 water levels. However, imported water recharge in San Sevaine Basins 1 and 2 during 2011 and 2017 does appear to correlate with SS-1 water level changes beneath San Sevaine 5. The hydrograph for San Sevaine 5 includes recharge for both San Sevaine 5 and the combined Basins San Sevaine 1, 2, and 3. For data between 2010 and April 2011, the hydrograph for the San Sevaine 5 Basin mound monitoring well (SS-1) shows a water level decrease of 5 feet, and a steep recovery in July 2011 approximately 2 months after the initiation of imported water recharge in San Sevaine 1 and 2 in May 2011. Thus, it appears to be an approximately 2-month delay to the well for recharge at San Sevaine 1 and 2 and an approximately 4-month delay for recharge at San Sevaine 5. Similarly, between 2013 and mid-2017, the SS-1 water levels showed a steady decline, due in part to the low rainfall and low stormwater recharge in the 2015 winter. A small upward change in water level began in June 2017 following imported water recharge in late 2016. A similar water level increase continued through mid-2018 following the 2017 imported water charge in San Sevaine 1 and 2. Recycled water recharge at San Sevaine 5 has not occurred since May 2014 due to low basin infiltration rates and operating constraints.

Recycled Water recharge resumed at the upper three San Sevaine Basins in August 2020 and appear to have sustained water levels in SS-1 between 2020 and 2021. The operation of the San Sevaine 5 pump station for delivery of stormwater to the upper most San Sevaine Basins should also have a positive influence on water levels at SS-1.

Monitoring well SSV-2 was installed in late 2018 at San Sevaine 2 Basin and its initial hydrography is included in this annual report. The level sensor for this well failed and data were lost from January 2019 through April 2022. The short water elevation history shows a downward trend during a pause in recharge activity. After April 2022, increase groundwater level can be attributed to an increase of basin recharge activities especially the recharge of imported water during 2023-2024.

Victoria Basin Area

The hydrograph for the Victoria Basin mound monitoring well (VCT-1/1) shows seasonal variations of up to 30 feet between the summer low levels and the winter high levels. Water level peaked in early 2019 due to wet winter conditions and increased groundwater recharge during this period. The water level peaks are generally 6 to 9 months delayed from times of higher volume recharge.

The hydrograph for the Victoria Basin downgradient (intermediate) monitoring well (VCT-2/2) shows relative stable water elevations from 2010 through 2019 within the elevations 750 to 765 feet MSL. From 2020 through 2022, the well's water elevations declined to historic lows in the low 740s. Seasonally, the hydrograph shows 5- to 8-foot water level fluctuations. The existing water level data set does not correlate definitively with recharge activities at the Victoria Basin. While water level and recharge volumes rise and fall annually, comparison of a longer duration data set is required to determine their correlation with certainty. Water level data at VCT-2/2 was not collected from 2014 to 2015, from mid-2016 to late 2016, and from mid-2022 to late 2024, due to onsite Caltrans construction, level-logger malfunction and maintenance.

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TABLES

Table 2-1
Summary of Treatment Chemical Usage at RP-1 and RP-4

	RP-1 (Flow)		RP-1 (Tertiary)		RP-4		
	Ferric Chloride	Sodium Hypochlorite	Aluminum Sulfate	Sodium Hypochlorite	Ferric Chloride	Aluminum Sulfate	Sodium Hypochlorite
Month	Gal.	Gal.	Gal.	Gal.	Gal.	Gal.	Gal.
Jan-24	19,900	0	5,200	106,902	0	15	24,189
Feb-24	23,000	0	6,300	104,959	0	0	28,989
Mar-24	21,450	0	8,500	111,890	0	33	27,583
Apr-24	21,300	0	7,000	109,421	0	17	27,176
May-24	20,400	0	7,400	108,559	0	22	29,019
Jun-24	18,800	0	10,700	105,016	0	0	27,904
Jul-24	18,500	0	6,500	112,086	0	0	31,639
Aug-24	20,100	0	9,600	111,961	0	0	31,364
Sep-24	22,900	0	8,000	108,952	0	0	27,051
Oct-24	22,100	0	7,700	104,456	0	9	31,568
Nov-24	20,300	0	6,300	117,431	0	0	29,308
Dec-24	20,800	0	8,600	98,068	0	0	29,939
Total	249,550	0	91,800	1,299,701	0	97	345,729

Table 3-1
Evidence of Recycled Water Blending Based on Water Quality at Monitoring Wells Based on EC and Chloride in 2024

Basin	Well	2024 Recycled Water EC (µmhos/cm)	Groundwater Background EC (µmhos/cm)	Peak EC at Well (µmhos/cm)	Mass-Balance Blend (max) (% Recycled Water)	2024 Recycled Water Cl (mg/L)	Groundwater Background Cl (mg/L)	Peak Cl at Well (mg/L)	Mass-Balance Blend (max) (% Recycled Water)
8th Street	8TH-1/1	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	8TH-1/2	786	255	522	50%	112	13	66	54%
	8TH-2/1	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	8TH-2/2	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
Banana & Hickory	BH-1/2	786	360	594	55%	112	10	84	73%
	California Speedway Infield	Well out of service during 2024				Well out of service during 2024			
	California Speedway No. 2	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	Fontana Water Co. 37A and 7A	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
Brooks	BRK-1/1	786	367	638	65%	112	11	84	72%
	BRK-1/2	786	535	671	54%	112	16	29	14%
	BRK-2/1	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	BRK-2/2	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
Ely	Ely MW1 (Philadelphia Well) and Ely-3	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	Ely MW 2 (Walnut Well)	Well impacted by regionally high TDS concentration				Well impacted by regionally high TDS concentration			
	Riverside Well	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
Turner	T-1/2	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	T-2/2	786	350	436	20%	112	9	39	29%
	Ontario No. 29	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
RP-3	RP3-1/1	786	475	744	86%	112	20	111	99%
	Alcoa MW3	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	Alcoa MW1	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	Southridge JHS	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
San Sevaine & Victoria	SS-1	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	SSV-2	786	303	409	22%	112	38	51	18%
	Unitex 91090	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	VCT-1/1	786	330	632	66%	112	38	95	77%
	VCT-2/2	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	CVWD No. 39	Well out of service during 2024				Well out of service during 2024			
Declez	DCZ-1	Well out of service during 2024				Well out of service during 2024			
	DCZ-2	786	484	594	36%	112	34	68	44%
	JCSD Well No. 13	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	JCSD Well No. 17	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			
	JCSD Well No. 19	Inconclusive evidence of recycled water				Inconclusive evidence of recycled water			

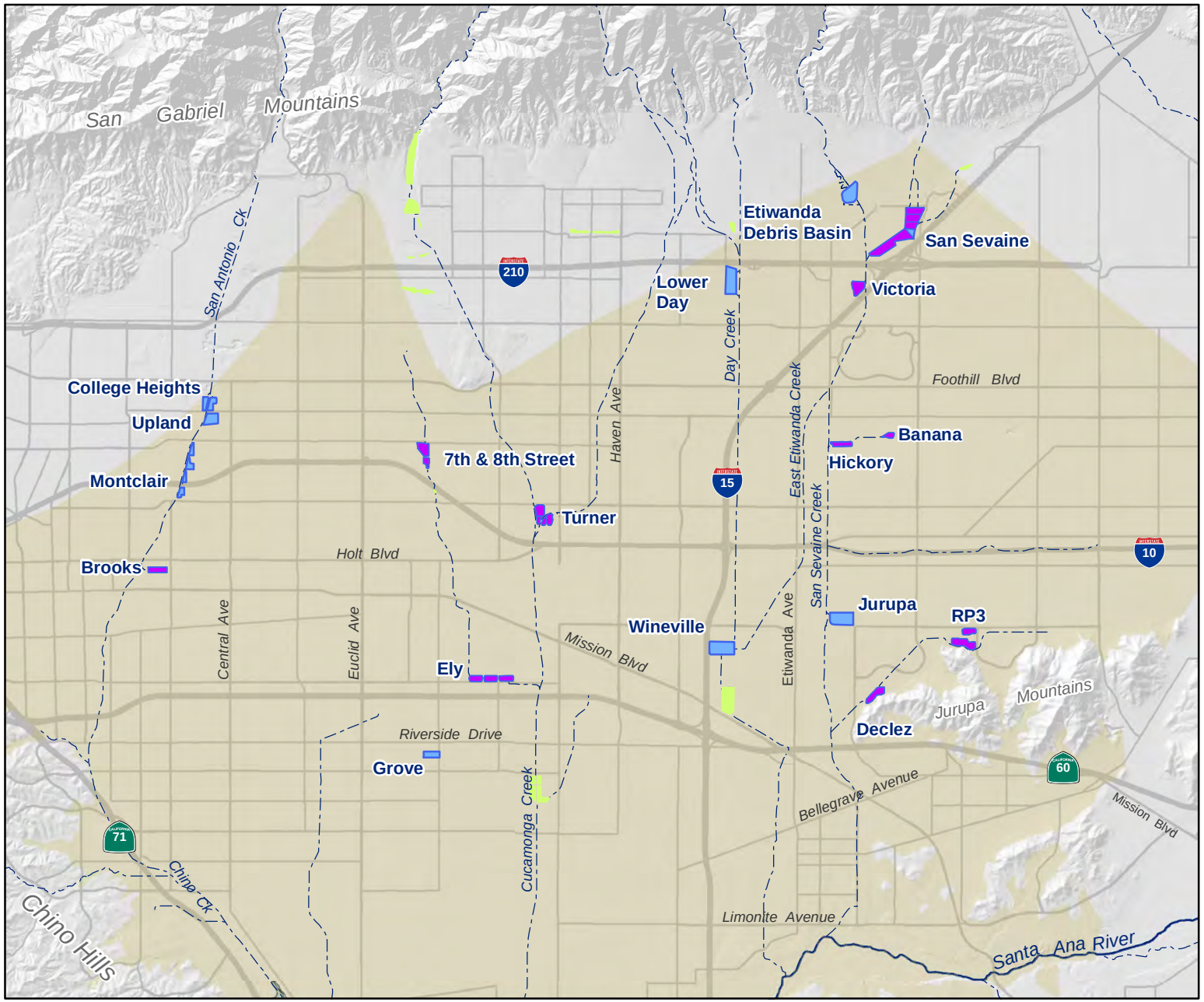
Table 3-2
Volume-Based RWC Actuals by Basin
(10-Year History)

Basin	Owner	RW Start Up	Start-Up Limit	Approved Limit [1]	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
8th Street	SBCFCD	2007-10	28%	50%	22%	21%	23%	22%	22%	23%	23%	24%	24%	22%	23%
Banana	SBCFCD	2005	36%	50%	34%	37%	36%	36%	36%	35%	35%	34%	33%	34%	34%
Brooks	CBWCD	2008-09	42%	50%	18%	17%	18%	18%	17%	15%	14%	14%	14%	12%	13%
Declez	SBCFCD	2015-16	20%	20%	1%	2%	10%	7%	7%	7%	8%	8%	7%	7%	7%
Ely	CBWCD	2006	29%	50%	21%	22%	22%	22%	23%	22%	25%	25%	26%	26%	26%
Hickory	SBCFCD	2005	36%	50%	26%	27%	24%	22%	22%	19%	19%	19%	19%	17%	15%
RP3	IEUA	2009-10	50%	50%	13%	14%	17%	17%	16%	17%	20%	22%	25%	27%	29%
San Sevaine	SBCFCD	2020-21 [2]	50%	50%	5%	6%	8%	7%	6%	5%	7%	12%	18%	16%	18%
Turner 1&2	SBCFCD	2006-07	24%	24%	11%	15%	19%	22%	23%	23%	24%	23%	24%	22%	21%
Turner 3&4	SBCFCD	2006-07	45%	45%	25%	28%	24%	23%	25%	24%	25%	26%	25%	23%	24%
Victoria	SBCFCD	2010-11	50%	50%	28%	30%	29%	30%	28%	27%	28%	27%	27%	27%	27%

(1) In a letter dated June 18, 2015, the DDW approved IEUA's request to increase the maximum average RWC limit to 50% at all the basins except for Turner Basins and San Sevaine Basin which DDW stated required additional data for consideration of approval.

(2) A modified San Sevaine Start-up was completed in 2021 for the upper basins (San Sevaine 1, 2, an 3) resulting in an RWC limit of 50%. The limit replaces the initial 29% limit for San Sevaine 5 basin which is no longer used for recycled water recharge.

FIGURES



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

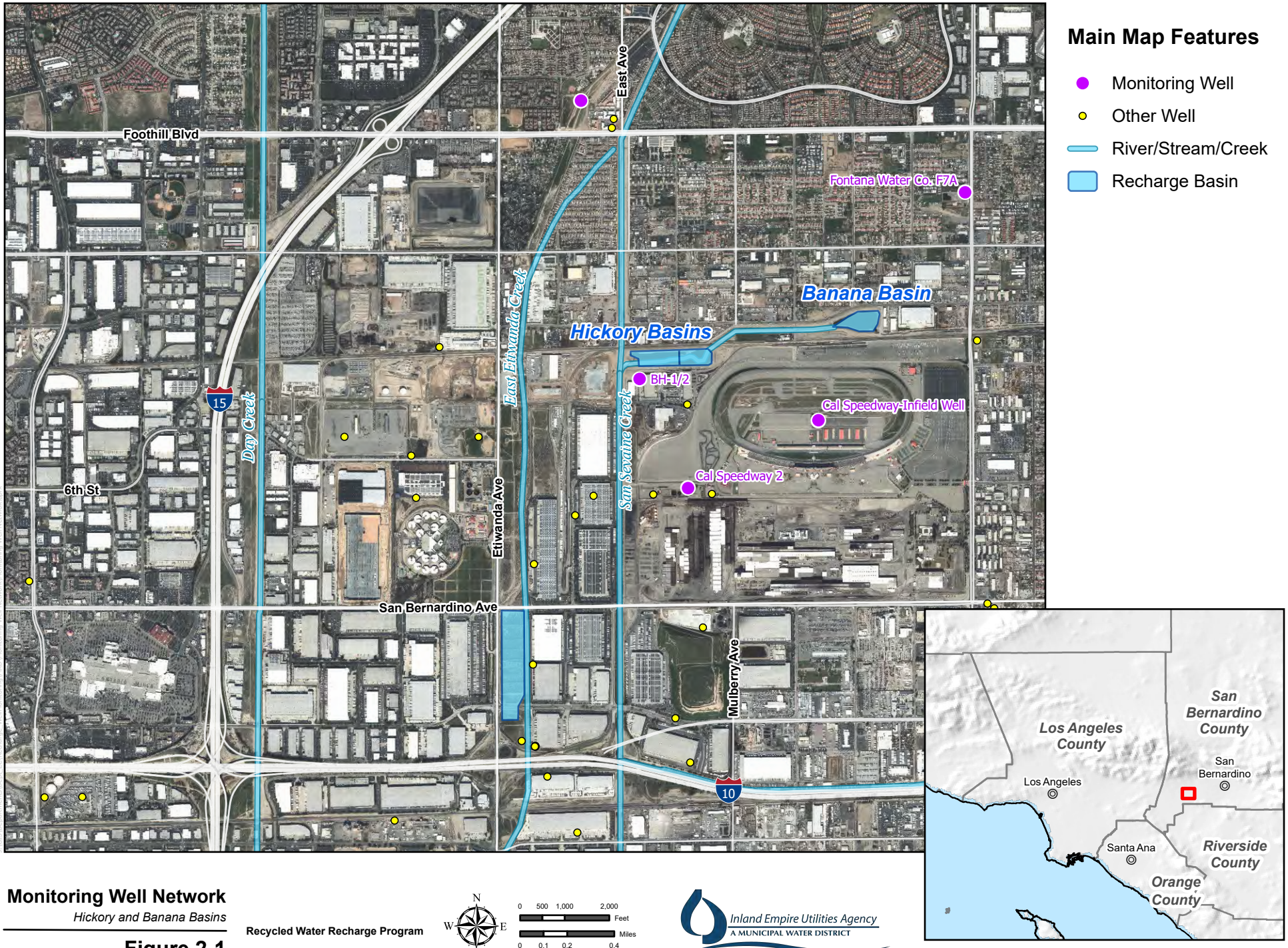
0 2 4 Miles

0 4 8 Kilometers

Chino Basin Recycled Water Groundwater Recharge Program

Basin Locations

Figure 1-1



Monitoring Well Network

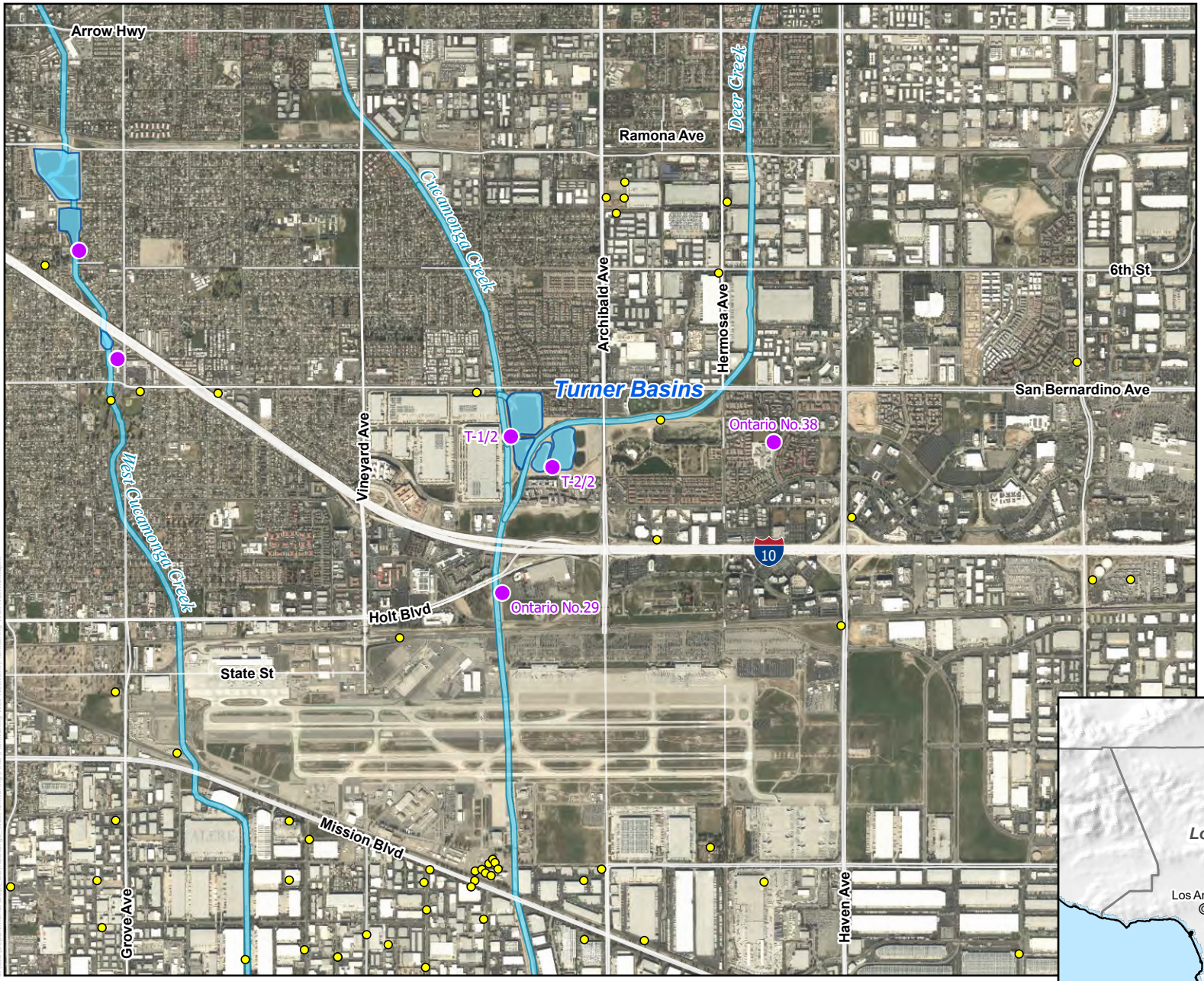
Hickory and Banana Basins

Figure 2-1

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/2/2024



Main Map Features

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

Monitoring Well Network

Turner Basins

Figure 2-2

Recycled Water Recharge Program

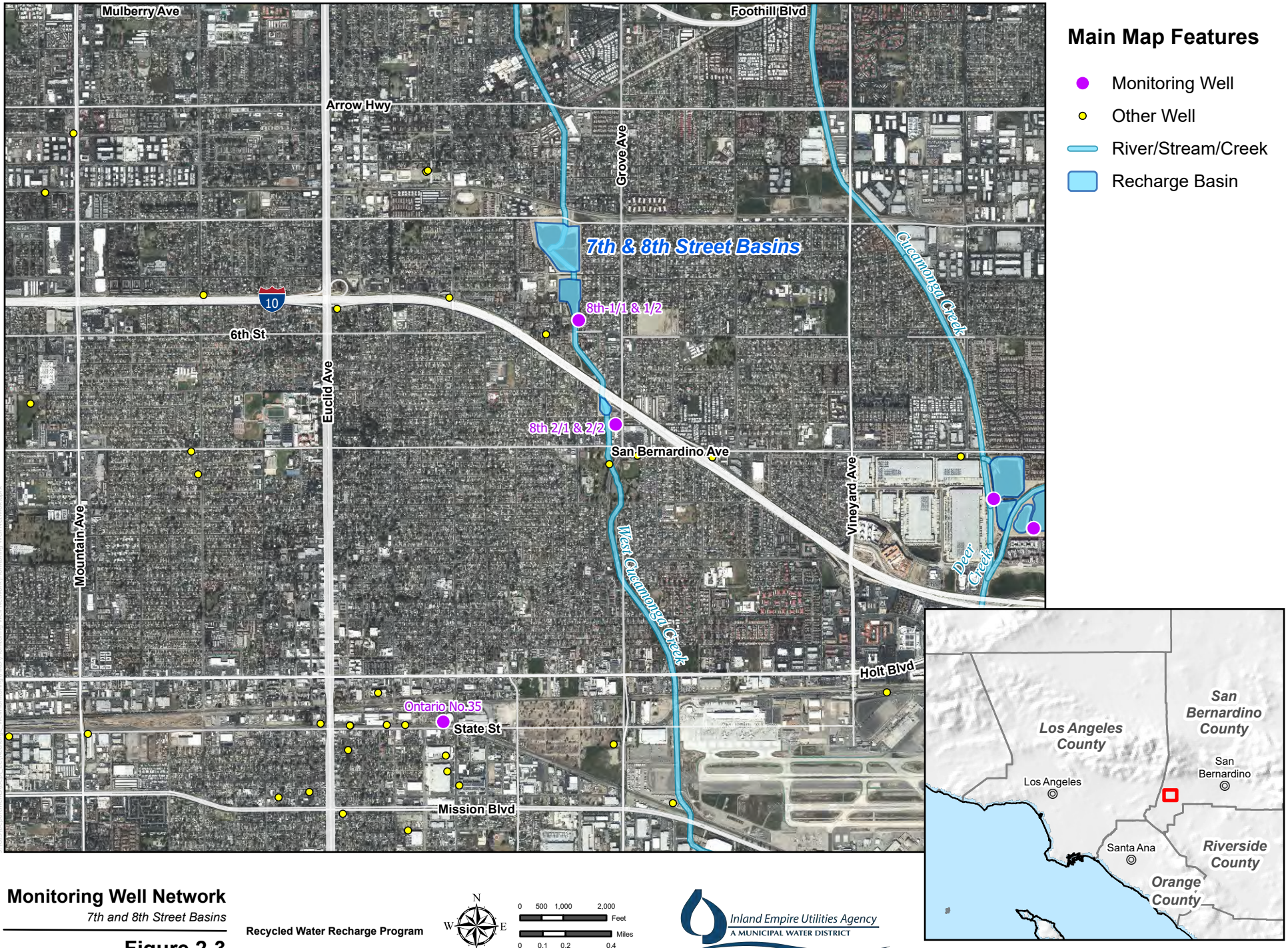
N W E S

0 500 1,000 2,000 Feet

0 0.1 0.2 0.4 Miles

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/2/2024



Monitoring Well Network

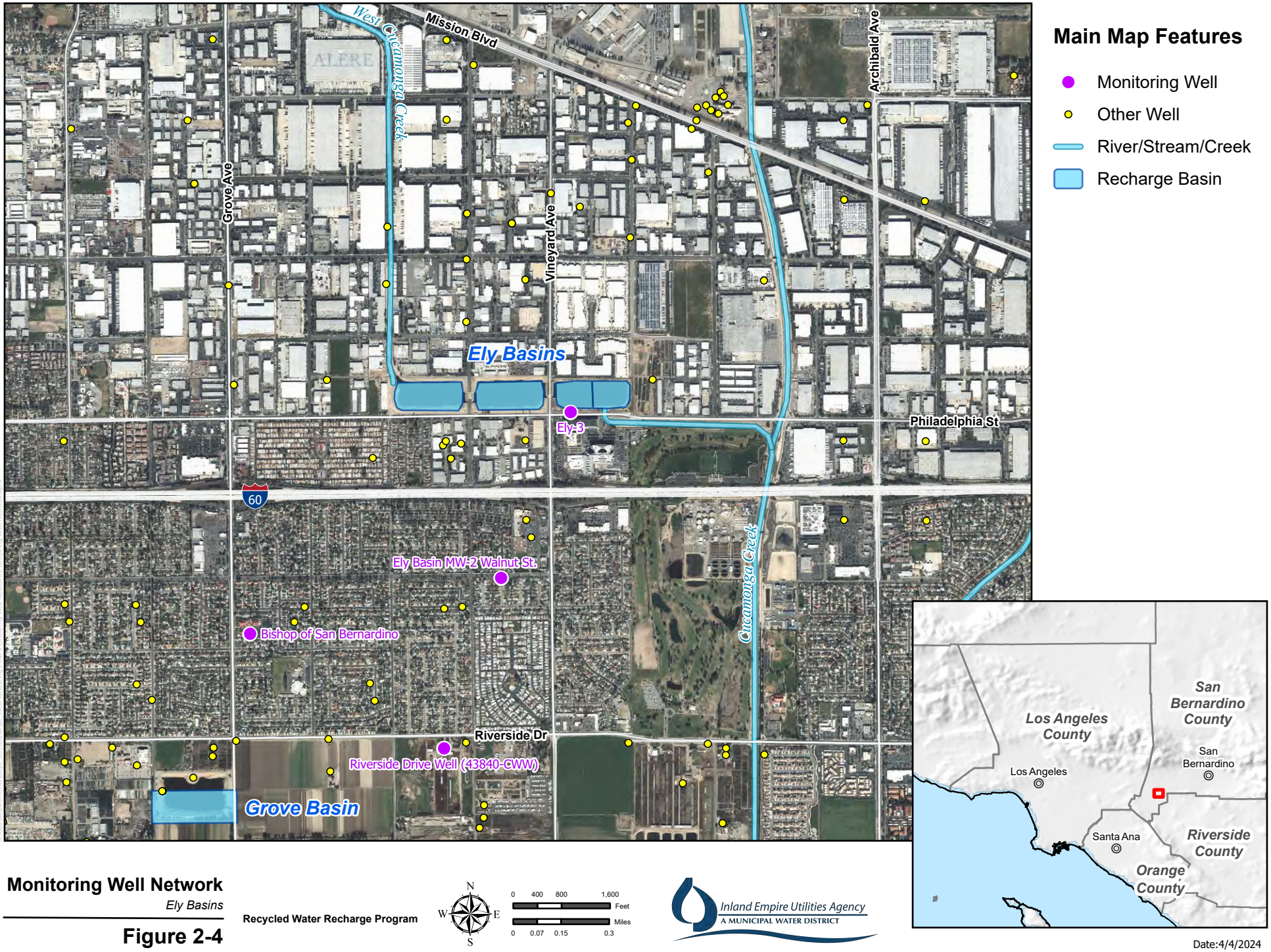
7th and 8th Street Basins

Figure 2-3

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/2/2024



Monitoring Well Network

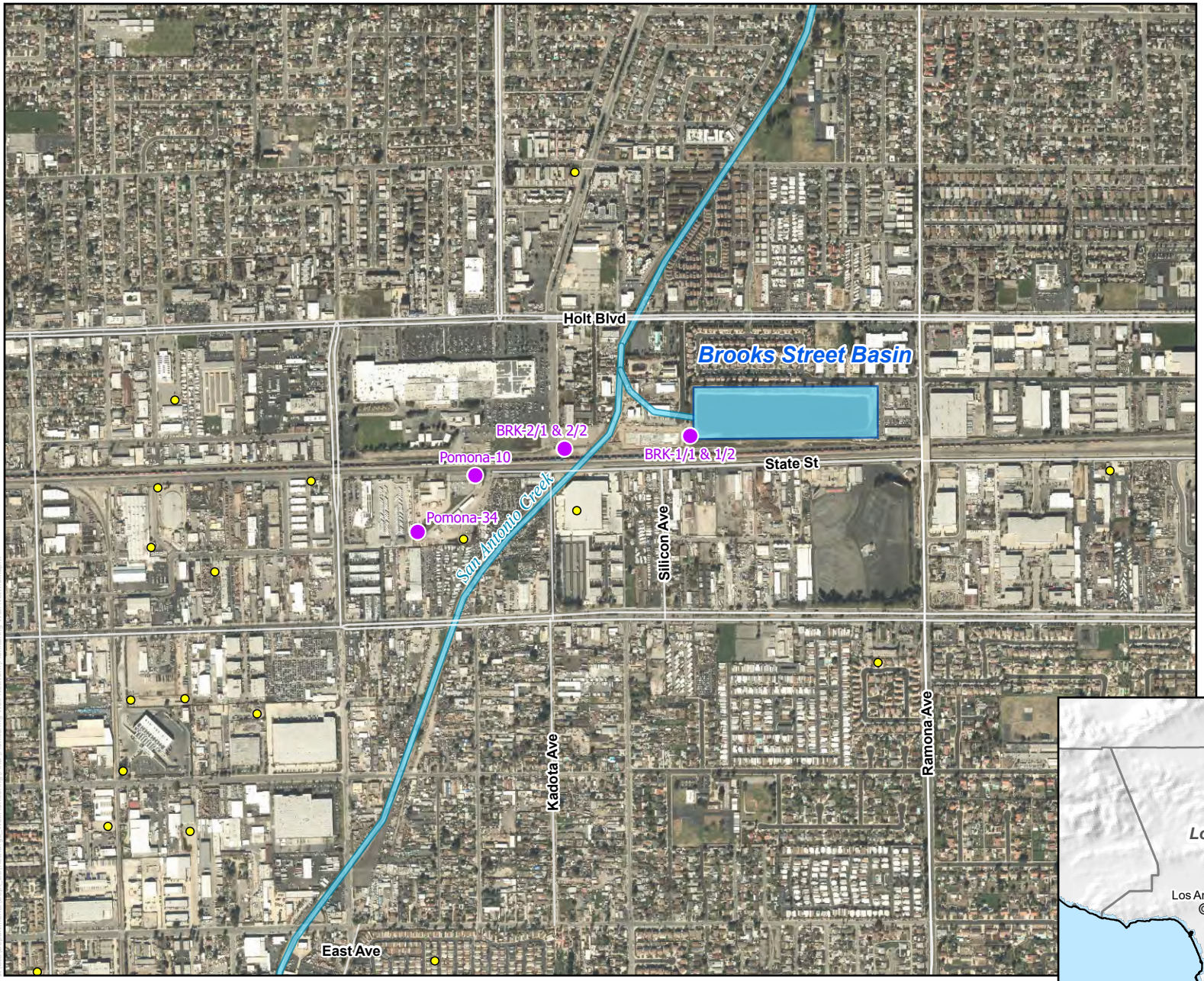
Ely Basins

Figure 2-4

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/4/2024



Main Map Features

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

Monitoring Well Network

Brooks Street Basin

Figure 2-5

Recycled Water Recharge Program

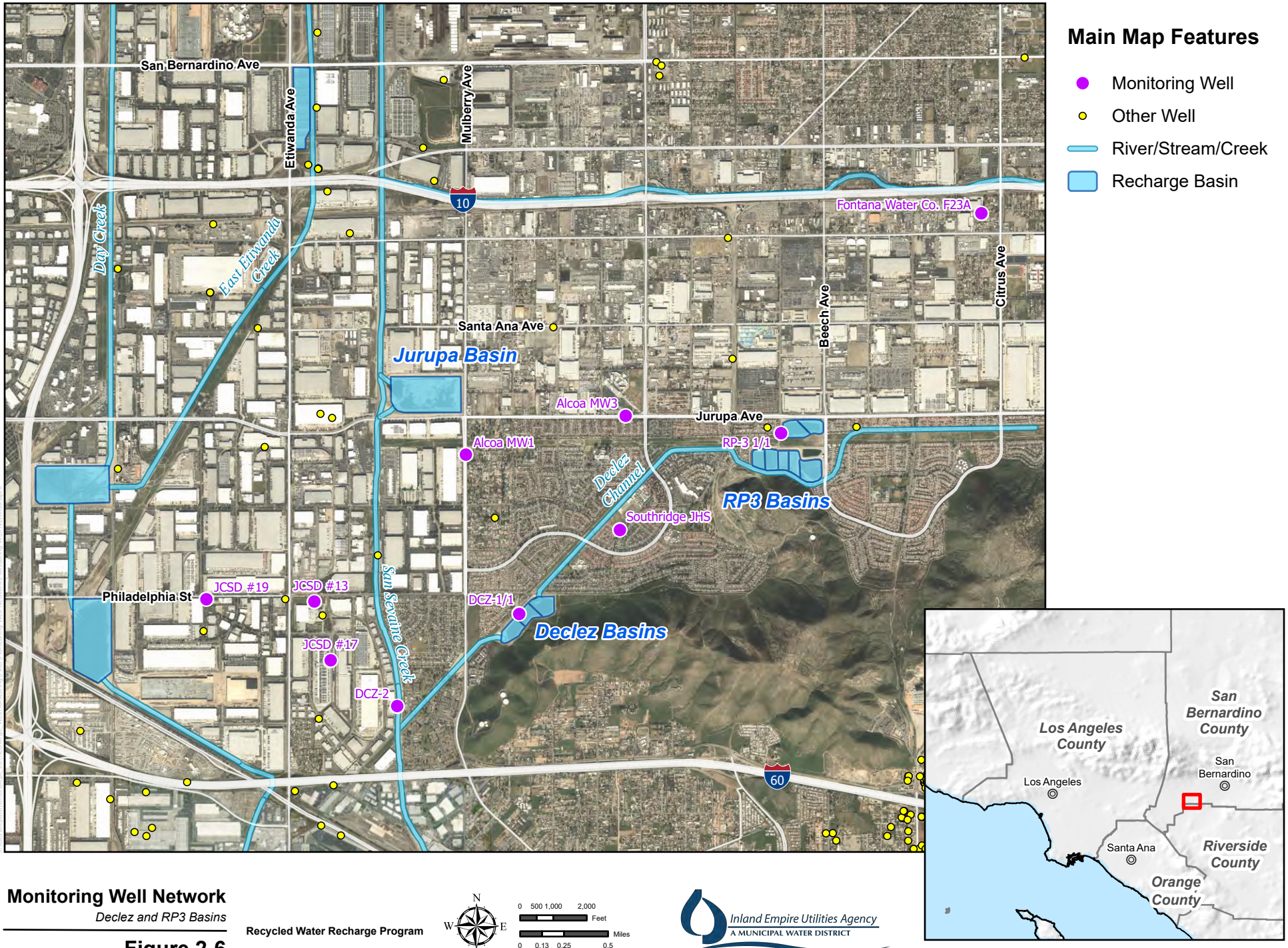
N S W E

0 250 500 1,000 Feet

0 0.05 0.1 0.19 Miles

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/4/2024



Monitoring Well Network

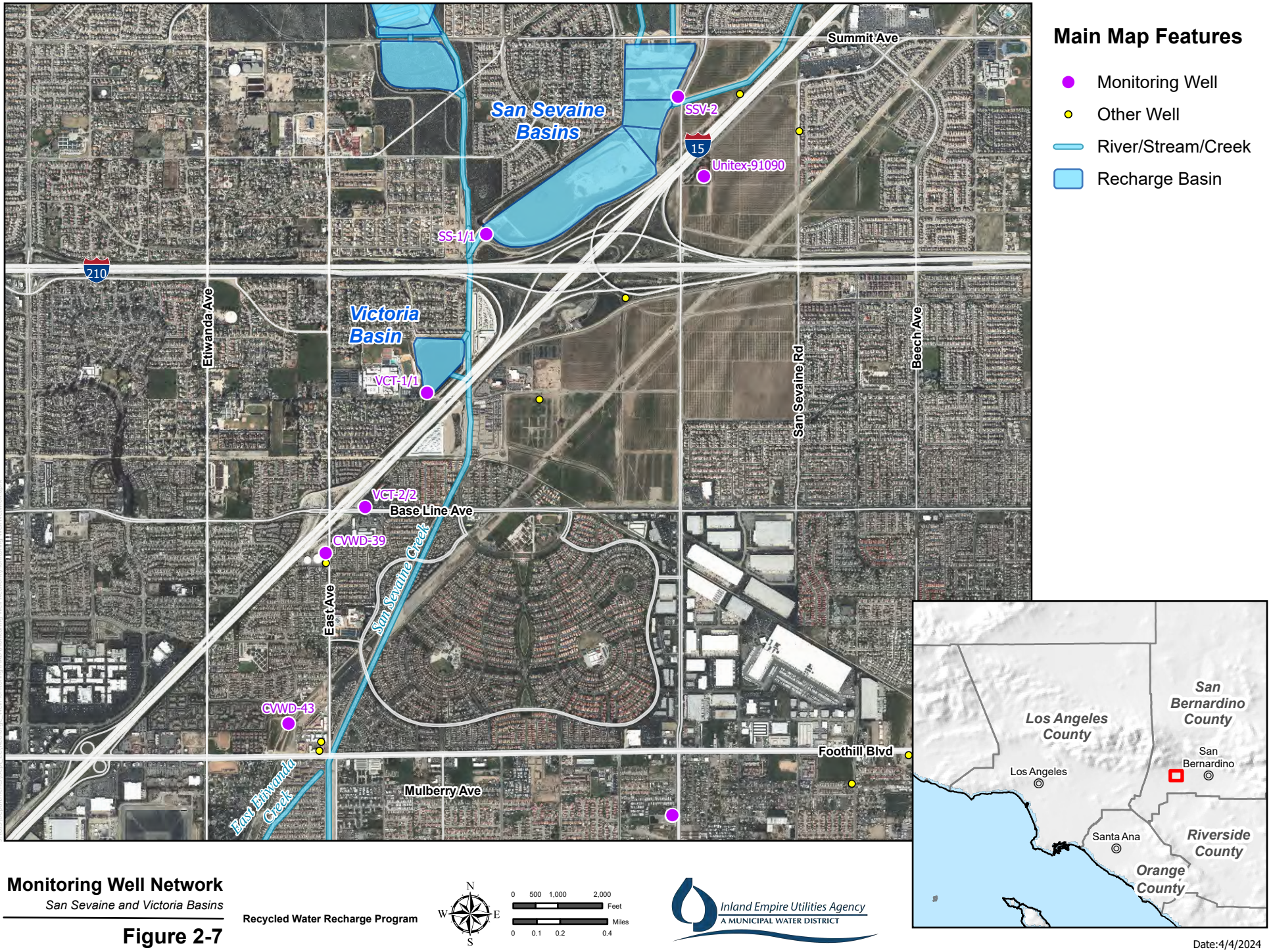
Declez and RP3 Basins

Figure 2-6

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/4/2024



Monitoring Well Network

San Sevaine and Victoria Basins

Figure 2-7

Recycled Water Recharge Program

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date:4/4/2024

APPENDIX A

MONTHLY GROUNDWATER RECHARGE SUMMARIES

SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - January 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.7**	**0.0**	**0.0**	N	N	MZ-1
Upland	**45.0**	**0.0**	**0.0**	N	N	**466.5**
Montclair 1, 2, 3 & 4	**227.4**	**0.0**	**0.0**	N	N	AF***
Brooks	**78.6**	**0.0**	**0.0**	**34.8**	**(0.5)**	
West Cucamonga Channel Drainage System						
8th Street	**136.1**	**0.0**	**0.0**	**22.2**	**(0.3)**	
7th Street	**22.6**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**258.7**	**0.0**	**0.0**	**0.0**	**0.0**	
Minor Drainage						
Grove	**55.6**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**82.9**	**0.0**	**0.0**	**55.3**	**(0.8)**	
Turner 3 & 4	**57.1**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**1,349.9**
Lower Day	**37.9**	**140.1**	**(2.1)**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**78.3**	**(1.2)**	X	**0.0**	
Victoria	**92.1**	**0.0**	**0.0**	**30.4**	**(0.5)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**87.1**	**74.1**	**(1.1)**	**154.5**	**(2.3)**	
San Sevaine 5	**54.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**48.1**	**0.0**	**0.0**	**52.5**	**(0.8)**	
Banana	**42.3**	**0.0**	**0.0**	**28.9**	**(0.4)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**119.9**	**0.0**	**0.0**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**90.4**	**0.0**	**0.0**	**385.2**	**(5.8)**	**848.9**
RP3 Cell 2	**39.4**	**0.0**	**0.0**	**0.0**	**0.0**	AF***
Declez	**149.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Non-Replenishment Recharge**						
MZ1: Upland (Upland)	**(4.8)**					
MZ1: Upland (Montclair)	**(6.0)**					
MZ1: MVWD (Montclair)	**(89.3)**					
MZ3: None						
		292.5	**(4.4)**	**763.8**	**(11.4)**	January
Month Total = 2,665.3 AF	**1,624.8**	**288.1**		**752.4**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**36,669.3**	**(1,269.8)**	**9,477.5**	**(317.3)**	Fiscal Year
Since July 1, 2023 = 50,430.4 AF	**5,870.7**	**35,399.5**		**9,160.2**		to Date
Calendar Year Delivery (with evaporation)		**292.5**	**(4.4)**	**763.8**	**(11.4)**	Calendar Year
Since January 1, 2024 = 2,665.3 AF	**1,624.8**	**288.1**		**752.4**		to Date

SW : Storm Water, LR : Local Runoff (& reported Pump-to-Waste**), IW : Imported Water (MWD or other), RW : Recycled Water

X : Turnouts not available - to be installed during future projects.

N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - February 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**34.3**	**0.0**	**0.0**	N	N	MZ-1
Upland	**368.0**	**0.0**	**0.0**	N	N	**1,628.4**
Montclair 1, 2, 3 & 4	**738.0**	**0.0**	**0.0**	N	N	AF***
Brooks	**271.5**	**0.0**	**0.0**	**0.0**	**0.0**	
West Cucamonga Channel Drainage System						
8th Street	**158.9**	**0.0**	**0.0**	**0.0**	**0.0**	
7th Street	**67.5**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**527.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Minor Drainage						
Grove	**102.8**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**159.8**	**0.0**	**0.0**	**54.8**	**(0.8)**	
Turner 3 & 4	**198.9**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**2,856.2**
Lower Day	**364.1**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**198.8**	**0.0**	**0.0**	X	**0.0**	
Victoria	**213.2**	**0.0**	**0.0**	**11.9**	**(0.2)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**463.2**	**0.0**	**0.0**	**113.4**	**(1.7)**	
San Sevaine 5	**323.4**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**127.6**	**0.0**	**0.0**	**0.0**	**0.0**	
Banana	**72.7**	**0.0**	**0.0**	**0.0**	**0.0**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**223.2**	**0.0**	**0.0**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**314.7**	**0.0**	**0.0**	**51.7**	**(0.8)**	**907.9**
RP3 Cell 2	**68.3**	**0.0**	**0.0**	**0.0**	**0.0**	AF***
Declez	**178.1**	**0.0**	**0.0**	**0.0**	**0.0**	
Non-Replenishment Recharge**						
MZ1: Upland (Montclair)	**(5.5)**					
MZ1: Upland (Upland)	**(4.3)**					
MZ2: None						
MZ3: None						
		0.0	**0.0**	**231.8**	**(3.5)**	February
Month Total = 5,392.5 AF	**5,164.2**	**0.0**		**228.3**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**36,669.3**	**(1,269.8)**	**9,709.3**	**(320.8)**	Fiscal Year
Since July 1, 2023 = 55,822.9 AF	**11,034.9**	**35,399.5**		**9,388.5**		to Date
Calendar Year Delivery (with evaporation)		**292.5**	**(4.4)**	**995.6**	**(14.9)**	Calendar Year
Since January 1, 2024 = 8,057.8 AF	**6,789.0**	**288.1**		**980.7**		to Date

SW : Storm Water, LR : Local Runoff (& reported Pump-to-Waste**), IW : Imported Water (MWD or other), RW : Recycled Water

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N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

Printed: Apr. 01, 25 v.1

SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - March 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**28.5**	**272.7**	**(4.1)**	N	N	MZ-1
Upland	**84.9**	**0.0**	**0.0**	N	N	**916.8**
Montclair 1, 2, 3 & 4	**208.9**	**0.0**	**0.0**	N	N	AF***
Brooks	**140.9**	**0.0**	**0.0**	**0.0**	**0.0**	
West Cucamonga Channel Drainage System						
8th Street	**125.3**	**0.0**	**0.0**	**22.6**	**(0.3)**	
7th Street	**48.6**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**457.3**	**0.0**	**0.0**	**0.0**	**0.0**	
Minor Drainage						
Grove	**61.6**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**227.8**	**0.0**	**0.0**	**38.4**	**(0.6)**	
Turner 3 & 4	**43.9**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**2,319.0**
Lower Day	**96.5**	**135.9**	**(2.0)**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**191.2**	**0.0**	**0.0**	X	**0.0**	
Victoria	**223.7**	**0.0**	**0.0**	**18.6**	**(0.3)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**366.3**	**0.0**	**0.0**	**127.7**	**(1.9)**	
San Sevaine 5	**142.9**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**128.8**	**0.0**	**0.0**	**64.2**	**(1.0)**	
Banana	**71.9**	**0.0**	**0.0**	**55.1**	**(0.8)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**329.6**	**0.0**	**0.0**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**183.2**	**0.0**	**0.0**	**94.0**	**(1.4)**	**995.8**
RP3 Cell 2	**43.2**	**0.0**	**0.0**	**12.1**	**(0.2)**	AF***
Declez	**191.2**	**0.0**	**0.0**	**18.2**	**(0.3)**	
Non-Replenishment Recharge**						
MZ1: Montclair (Upland)	**(6.2)**					
MZ1: Upland (Upland)	**(5.0)**					
MZ2: None	**0.0**					
MZ3: None	**0.0**					
		408.6	**(6.1)**	**450.9**	**(6.8)**	March
Month Total = 4,231.6 AF	**3,385.0**	**402.5**		**444.1**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**37,077.9**	**(1,275.9)**	**10,160.2**	**(327.6)**	Fiscal Year
Since July 1, 2023 = 60,054.5 AF	**14,419.9**	**35,802.0**		**9,832.6**		to Date
Calendar Year Delivery (with evaporation)		**701.1**	**(10.5)**	**1,446.5**	**(21.7)**	Calendar Year
Since January 1, 2024 = 12,289.4 AF	**10,174.0**	**690.6**		**1,424.8**		to Date

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N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - April 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**38.2**	**313.3**	**(13.2)**	N	N	MZ-1
Upland	**19.9**	**0.0**	**0.0**	N	N	**764.9**
Montclair 1, 2, 3 & 4	**49.0**	**254.0**	**(10.7)**	N	N	AF***
Brooks	**27.2**	**0.0**	**0.0**	**0.0**	**0.0**	
West Cucamonga Channel Drainage System						
8th Street	**52.3**	**0.0**	**0.0**	**24.2**	**(1.0)**	
7th Street	**21.7**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**78.4**	**0.0**	**0.0**	**0.0**	**0.0**	
Minor Drainage						
Grove	**16.7**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**68.5**	**0.0**	**0.0**	**95.2**	**(4.0)**	
Turner 3 & 4	**22.9**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**1,073.4**
Lower Day	**68.9**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**150.3**	**44.4**	**(1.9)**	X	**0.0**	
Victoria	**45.9**	**0.0**	**0.0**	**109.7**	**(4.6)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**98.3**	**30.2**	**(1.3)**	**169.5**	**(7.1)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**8.1**	**0.0**	**0.0**	**89.0**	**(3.7)**	
Banana	**28.3**	**0.0**	**0.0**	**140.1**	**(5.9)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**53.9**	**0.0**	**0.0**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**46.1**	**0.0**	**0.0**	**274.8**	**(11.5)**	**657.6**
RP3 Cell 2	**0.0**	**0.0**	**0.0**	**32.6**	**(1.4)**	AF***
Declez	**53.8**	**0.0**	**0.0**	**48.9**	**(2.1)**	
Non-Replenishment Recharge**						
MZ1: Montclair (Upland)	**(5.6)**					
MZ1: Upland (Upland)	**(4.4)**					
MZ2: None	**0.0**					
MZ3: None	**0.0**					
		641.9	**(27.1)**	**984.0**	**(41.3)**	April
Month Total = 2,495.9 AF	**938.4**	**614.8**		**942.7**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**37,719.8**	**(1,303.0)**	**11,144.2**	**(368.9)**	Fiscal Year
Since July 1, 2023 = 62,550.4 AF	**15,358.3**	**36,416.8**		**10,775.3**		to Date
Calendar Year Delivery (with evaporation)		**1,343.0**	**(37.6)**	**2,430.5**	**(63.0)**	Calendar Year
Since January 1, 2024 = 14,785.3 AF	**11,112.4**	**1,305.4**		**2,367.5**		to Date

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N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - May 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.0**	**0.0**	**0.0**	N	N	MZ-1
Upland	**15.3**	**179.3**	**(7.5)**	N	N	**2,773.8**
Montclair 1, 2, 3 & 4	**27.7**	**2,566.9**	**(107.8)**	N	N	AF***
Brooks	**15.2**	**0.0**	**0.0**	**55.1**	**(2.3)**	
West Cucamonga Channel Drainage System						
8th Street	**16.0**	**0.0**	**0.0**	**2.6**	**(0.1)**	
7th Street	**24.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**19.2**	**0.0**	**0.0**	**0.0**	**0.0**	
Minor Drainage						
Grove	**4.4**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**3.2**	**0.0**	**0.0**	**162.7**	**(6.8)**	
Turner 3 & 4	**7.6**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**1,586.4**
Lower Day	**12.5**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**43.9**	**248.4**	**(10.4)**	X	**0.0**	
Victoria	**17.0**	**0.0**	**0.0**	**173.7**	**(7.3)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**59.6**	**498.0**	**(20.9)**	**138.3**	**(5.8)**	
San Sevaine 5	**1.1**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**17.7**	**0.0**	**0.0**	**240.4**	**(10.1)**	
Banana	**0.0**	**0.0**	**0.0**	**103.0**	**(4.3)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**1.7**	**15.4**	**(0.6)**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**33.3**	**20.9**	**(0.9)**	**475.7**	**(20.0)**	**642.9**
RP3 Cell 2	**13.5**	**0.0**	**0.0**	**0.0**	**0.0**	AF***
Declez	**5.2**	**0.0**	**0.0**	**0.0**	**0.0**	
Non-Replenishment Recharge**, Basin (Discharger)						
MZ1: Montclair (Upland)	**(6.0)**					
MZ1: Upland (Upland)	**(4.6)**					
MZ2: none	**0.0**					
MZ3: none	**0.0**					
		3,528.9	**(148.1)**	**1,351.5**	**(56.7)**	May
Month Total = 5,003.1 AF	**327.5**	**3,380.8**		**1,294.8**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**41,248.7**	**(1,451.1)**	**12,495.7**	**(425.6)**	Fiscal Year
Since July 1, 2023 = 67,553.5 AF	**15,685.8**	**39,797.6**		**12,070.1**		to Date
Calendar Year Delivery (with evaporation)		**4,871.9**	**(185.7)**	**3,782.0**	**(119.7)**	Calendar Year
Since January 1, 2024 = 19,788.4 AF	**11,439.9**	**4,686.2**		**3,662.3**		to Date

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS
Water Delivered* and Evaporation** (AF) - June 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.0**	**0.0**	**0.0**	N	N	MZ-1
Upland	**4.3**	**36.2**	**(1.5)**	N	N	**2,735.3**
Montclair 1, 2, 3 & 4	**6.0**	**2,696.2**	**(113.2)**	N	N	AF***
Brooks	**0.0**	**0.0**	**0.0**	**117.1**	**(4.9)**	
West Cucamonga Channel Drainage System						
8th Street	**5.4**	**0.0**	**0.0**	**0.0**	**0.0**	
7th Street	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**2.7**	**0.0**	**0.0**	**68.1**	**(2.9)**	
Minor Drainage						
Grove	**1.8**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**4.1**	**0.0**	**0.0**	**154.6**	**(6.5)**	
Turner 3 & 4	**9.2**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**1,402.9**
Lower Day	**0.8**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.6**	**343.9**	**(14.4)**	X	**0.0**	
Victoria	**0.8**	**0.0**	**0.0**	**172.5**	**(7.2)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**9.3**	**370.0**	**(15.5)**	**111.7**	**(4.7)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**0.0**	**0.0**	**0.0**	**212.9**	**(8.9)**	
Banana	**0.0**	**0.0**	**0.0**	**91.3**	**(3.8)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**0.0**	**19.0**	**(0.8)**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**0.0**	**22.6**	**(0.9)**	**427.3**	**(17.9)**	**551.2**
RP3 Cell 2	**12.1**	**0.0**	**0.0**	**0.0**	**0.0**	AF***
Declez	**2.3**	**0.0**	**0.0**	**0.0**	**0.0**	
Non-Replenishment Recharge**						
MZ1: Montclair (Upland)	**(6.0)**					
MZ1: Upland (Upland)	**(4.3)**					
MZ2: none						
MZ3: none						
		3,487.9	**(146.3)**	**1,355.5**	**(56.8)**	June
Month Total = 4,689.4 AF	**49.1**	**3,341.6**		**1,298.7**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**44,736.6**	**(1,597.4)**	**13,851.2**	**(482.4)**	Fiscal Year
Since July 1, 2023 = 72,242.9 AF	**15,734.9**	**43,139.2**		**13,368.8**		to Date
Calendar Year Delivery (with evaporation)		**8,359.8**	**(332.0)**	**5,137.5**	**(176.5)**	Calendar Year
Since January 1, 2024 = 24,477.8 AF	**11,489.0**	**8,027.8**		**4,961.0**		to Date

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS
Water Delivered* and Evaporation** (AF) - July 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.0**	**0.0**	**0.0**	N	N	MZ-1
Upland	**4.3**	**428.9**	**(18.0)**	N	N	**3,281.9**
Montclair 1, 2, 3 & 4	**6.0**	**2,857.6**	**(120.0)**	N	N	AF***
Brooks	**2.7**	**0.0**	**0.0**	**131.6**	**(5.5)**	
West Cucamonga Channel Drainage System						
8th Street	**4.6**	**0.0**	**0.0**	**0.0**	**0.0**	
7th Street	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**8.4**	**0.0**	**0.0**	**10.5**	**(0.4)**	
Minor Drainage						
Grove	**6.2**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**1.4**	**0.0**	**0.0**	**75.3**	**(3.2)**	
Turner 3 & 4	**11.7**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**1,441.2**
Lower Day	**0.7**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**295.0**	**(12.4)**	X	**0.0**	
Victoria	**1.8**	**0.0**	**0.0**	**235.2**	**(9.9)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**0.3**	**473.4**	**(19.9)**	**113.0**	**(4.7)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**0.0**	**0.0**	**0.0**	**271.6**	**(11.4)**	
Banana	**0.0**	**0.0**	**0.0**	**30.2**	**(1.3)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**0.0**	**25.1**	**(1.1)**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**0.0**	**0.0**	**0.0**	**459.3**	**(19.3)**	**502.1**
RP3 Cell 2	**7.1**	**0.0**	**0.0**	**0.5**	**0.0**	AF***
Declez	**1.6**	**0.0**	**0.0**	**0.0**	**0.0**	
Non-Replenishment Recharge**						
MZ1: Montclair (Upland)	**(6.0)**					
MZ1: Upland (Upland)	**(4.3)**					
MZ2: Turner 1 (CVWD)	**(1.4)**					
MZ3: None						
		4,080.0	**(171.4)**	**1,327.2**	**(55.7)**	July
Month Total = 5,225.2 AF	**45.10**	**3,908.6**		**1,271.5**		

All Sources	SW/LR	Imported		Recycled Water		
Fiscal Year Delivery (with evaporation)		**4,080.0**	**(171.4)**	**1,327.2**	**(55.7)**	Fiscal Year
Since July 1, 2024 = 5,225.2 AF	**45.1**	**3,908.6**		**1,271.5**		to Date
Calendar Year Delivery (with evaporation)		**4,080.0**	**(171.4)**	**9,656.9**	**(293.8)**	Calendar Year
Since January 1, 2024 = 15,292.0 AF	**2,020.3**	**3,908.6**		**9,363.1**		to Date

SW : Storm Water, LR : Local Runoff (& reported Pump-to-Waste**), IW : Imported Water (MWD or other), RW : Recycled Water

X : Turnouts not available - to be installed during future projects.

N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS
Water Delivered* and Evaporation** (AF) - August 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.0**	**259.2**	**(10.9)**	N	N	MZ-1
Upland	**2.1**	**186.9**	**(7.8)**	N	N	**2,804.0**
Montclair 1, 2, 3 & 4	**6.2**	**2,388.1**	**(100.3)**	N	N	AF***
Brooks	**1.2**	**0.0**	**0.0**	**81.4**	**(3.4)**	
West Cucamonga Channel Drainage System						
8th Street	**9.6**	**0.0**	**0.0**	**0.0**	**0.0**	
7th Street	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**0.6**	**0.0**	**0.0**	**59.5**	**(2.5)**	
Minor Drainage						
Grove	**1.3**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**5.1**	**0.0**	**0.0**	**117.0**	**(4.9)**	
Turner 3 & 4	**9.4**	**0.0**	**0.0**	**0.0**	**0.0**	**MZ-2**
Day Creek Channel Drainage System						**1,317.6**
Lower Day	**1.5**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**309.1**	**(13.0)**	X	**0.0**	
Victoria	**1.6**	**0.0**	**0.0**	**171.4**	**(7.2)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**0.0**	**455.9**	**(19.1)**	**60.1**	**(2.5)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**0.0**	**16.0**	**(0.7)**	**166.0**	**(7.0)**	
Banana	**0.0**	**0.0**	**0.0**	**18.4**	**(0.8)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**0.0**	**37.1**	**(1.6)**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,3, & 4	**0.0**	**0.0**	**0.0**	**464.8**	**(19.5)**	**550.2**
RP3 Cell 2	**7.5**	**0.0**	**0.0**	**43.7**	**(1.8)**	AF***
Declez	**2.4**	**0.0**	**0.0**	**0.0**	**0.0**	
Non-Replenishment Recharge**						
MZ1: Montclair (Upland)	**(6.2)**					
MZ1: Upland (Upland)	**(2.1)**					
MZ1:	**0.0**					
MZ2:	**0.0**					
		3,652.3	**(153.4)**	**1,182.3**	**(49.7)**	August
Month Total = 4,671.7 AF	**40.2**	**3,498.9**		**1,132.6**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**7,732.3**	**(324.8)**	**2,509.5**	**(105.4)**	Fiscal Year
Since July 1, 2024 = 9,896.9 AF	**85.3**	**7,407.5**		**2,404.1**		to Date
Calendar Year Delivery (with evaporation)		**7,732.3**	**(324.8)**	**10,839.2**	**(343.5)**	Calendar Year
Since January 1, 2024 = 19,963.7 AF	**2,060.5**	**7,407.5**		**10,495.7**		to Date

SW : Storm Water, LR : Local Runoff (& reported Pump-to-Waste**), IW : Imported Water (MWD or other), RW : Recycled Water

X : Turnouts not available - to be installed during future projects.

N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS
Water Delivered* and Evaporation** (AF) September 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.0**	**312.7**	**(13.1)**	N	N	MZ-1
Upland	**0.6**	**240.9**	**(10.1)**	N	N	**2,728.2**
Montclair 1, 2, 3 & 4	**6.3**	**2,231.9**	**(93.7)**	N	N	AF***
Brooks	**1.1**	**0.0**	**0.0**	**43.3**	**(1.8)**	
West Cucamonga Channel Drainage System						
8th Street	**17.0**	**0.0**	**0.0**	**0.0**	**0.0**	
7th Street	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**3.5**	**0.0**	**0.0**	**15.7**	**(0.7)**	
Minor Drainage						
Grove	**2.7**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**6.7**	**0.0**	**0.0**	**55.8**	**(2.3)**	
Turner 3 & 4	**6.6**	**0.0**	**0.0**	**58.4**	**(2.5)**	**MZ-2**
Day Creek Channel Drainage System						**1,158.0**
Lower Day	**1.1**	**0.0**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**360.4**	**(15.1)**	X	**0.0**	
Victoria	**0.8**	**0.0**	**0.0**	**65.1**	**(2.7)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**0.0**	**470.5**	**(19.8)**	**75.7**	**(3.2)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**0.0**	**0.0**	**0.0**	**84.9**	**(3.6)**	
Banana	**0.0**	**0.0**	**0.0**	**9.4**	**(0.4)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**0.0**	**14.9**	**(0.6)**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1, 2R, 3, & 4	**0.0**	**29.4**	**(1.2)**	**1,024.0**	**(43.0)**	**1,225.4**
RP3 Cell 2M	**2.5**	**0.0**	**0.0**	**21.9**	**(0.9)**	AF***
Declez	**7.9**	**0.0**	**0.0**	**168.6**	**(7.1)**	
Non-Replenishment Recharge**						
MZ1: Upland (Upland)	**(0.6)**					
MZ1: Montclair (Upland)	**(6.3)**					
MZ1:	**0.0**					
MZ2 & MZ3: None						
		3,660.7	**(153.6)**	**1,622.8**	**(68.2)**	September
Month Total = 5,111.6 AF	**49.9**	**3,507.1**		**1,554.6**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**11,393.0**	**(478.4)**	**4,132.3**	**(173.6)**	Fiscal Year
Since July 1, 2024 = 15,008.5 AF	**135.2**	**10,914.6**		**3,958.7**		to Date
Calendar Year Delivery (with evaporation)		**11,393.0**	**(478.4)**	**12,462.0**	**(411.7)**	Calendar Year
Since January 1, 2024 = 25,075.3 AF	**2,110.4**	**10,914.6**		**12,050.3**		to Date

SW : Storm Water, LR : Local Runoff (& reported Pump-to-Waste**), IW : Imported Water (MWD or other), RW : Recycled Water

X : Turnouts not available - to be installed during future projects.

N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - October 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.5**	**418.6**	**(17.6)**	N	N	MZ-1
Upland	**7.4**	**130.0**	**(5.5)**	N	N	**2,379.7**
Montclair 1, 2, 3 & 4	**22.2**	**1,610.7**	**(67.6)**	N	N	AF***
Brooks	**4.5**	**0.0**	**0.0**	**59.4**	**(2.5)**	
West Cucamonga Channel Drainage System						
8th Street	**48.2**	**0.0**	**0.0**	**187.2**	**(7.9)**	
7th Street	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**31.1**	**0.0**	**0.0**	**112.2**	**(4.7)**	
Minor Drainage						
Grove	**2.7**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**6.8**	**0.0**	**0.0**	**57.9**	**(2.4)**	
Turner 3 & 4	**31.6**	**0.0**	**0.0**	**189.4**	**(8.0)**	**MZ-2**
Day Creek Channel Drainage System						**1,538.7**
Lower Day	**1.9**	**0.7**	**0.0**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**313.7**	**(13.2)**	X	**0.0**	
Victoria	**3.8**	**0.0**	**0.0**	**117.5**	**(4.9)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**3.2**	**469.1**	**(19.7)**	**105.8**	**(4.4)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**0.5**	**0.0**	**0.0**	**154.6**	**(6.5)**	
Banana	**6.2**	**0.0**	**0.0**	**17.2**	**(0.7)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**20.7**	**22.2**	**(0.9)**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,2R,3, & 4	**0.0**	**24.2**	**(1.0)**	**627.5**	**(26.4)**	**883.9**
RP3 Cell 2M	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	AF***
Declez	**28.9**	**0.0**	**0.0**	**173.3**	**(7.3)**	
Non-Replenishment Recharge**						
MZ1: Upland (Upland)	**(1.0)**					
MZ1: Montclair (Upland)	**(6.9)**					
MZ2: None						
MZ3: None						
		2,989.2	**(125.5)**	**1,802.0**	**(75.7)**	October
Month Total = 4,802.3 AF	**212.3**	**2,863.7**		**1,726.3**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**14,382.2**	**(603.9)**	**5,934.3**	**(249.3)**	Fiscal Year
Since July 1, 2024 = 19,810.8 AF	**347.5**	**13,778.3**		**5,685.0**		to Date
Calendar Year Delivery (with evaporation)		**14,382.2**	**(603.9)**	**14,264.0**	**(487.4)**	Calendar Year
Since January 1, 2024 = 29,877.6 AF	**2,322.7**	**13,778.3**		**13,776.6**		to Date

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X : Turnouts not available - to be installed during future projects.

N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - November 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**1.1**	**20.6**	**(0.3)**	N	N	MZ-1
Upland	**18.2**	**0.0**	**0.0**	N	N	**1,509.0**
Montclair 1, 2, 3 & 4	**27.5**	**912.2**	**(13.7)**	N	N	AF***
Brooks	**4.8**	**0.0**	**0.0**	**153.8**	**(2.3)**	
West Cucamonga Channel Drainage System						
8th Street	**75.9**	**0.0**	**0.0**	**324.2**	**(4.9)**	
7th Street	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**17.1**	**0.0**	**0.0**	**250.8**	**(3.8)**	
Minor Drainage						
Grove	**0.3**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**6.1**	**0.0**	**0.0**	**83.5**	**(1.3)**	
Turner 3 & 4	**71.9**	**0.0**	**0.0**	**119.4**	**(1.8)**	**MZ-2**
Day Creek Channel Drainage System						**1,880.6**
Lower Day	**4.3**	**521.7**	**(7.8)**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**161.0**	**(2.4)**	X	**0.0**	
Victoria	**2.3**	**0.0**	**0.0**	**147.8**	**(2.2)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**6.5**	**333.7**	**(5.0)**	**133.0**	**(2.0)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**18.6**	**0.0**	**0.0**	**29.3**	**(0.4)**	
Banana	**30.9**	**0.0**	**0.0**	**16.9**	**(0.3)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**66.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,2R,3, & 4	**0.0**	**13.8**	**(0.2)**	**207.3**	**(3.1)**	**529.6**
RP3 Cell 2M	**0.0**	**0.0**	**0.0**	**10.4**	**(0.2)**	AF***
Declez	**7.2**	**0.0**	**0.0**	**183.7**	**(2.8)**	
Non-Replenishment Recharge**						
MZ1: Upland (Upland)	**(1.3)**					
MZ1: Montclair (Upland)	**(6.9)**					
MZ2: None						
MZ3: None						
		1,963.0	**(29.4)**	**1,660.1**	**(25.1)**	November
Month Total = 3,919.2 AF	**350.6**	**1,933.6**		**1,635.0**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**16,345.2**	**(633.3)**	**7,594.4**	**(274.4)**	Fiscal Year
Since July 1, 2024 = 23,730.0 AF	**698.1**	**15,711.9**		**7,320.0**		to Date
Calendar Year Delivery (with evaporation)		**16,345.2**	**(633.3)**	**15,924.1**	**(512.5)**	Calendar Year
Since January 1, 2024 = 33,796.8 AF	**2,673.3**	**15,711.9**		**15,411.6**		to Date

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N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - December 2024

Drainage System / Basin	SW/LR Delivered	Imported Delivered	Imported Evaporation	Recycled Water Delivered	Recycled Water Evaporation	Management Zone Subtotals
San Antonio Channel Drainage System						
College Heights	**0.0**	**0.0**	**0.0**	N	N	MZ-1
Upland	**1.4**	**10.5**	**(0.2)**	N	N	**560.5**
Montclair 1, 2, 3 & 4	**7.4**	**44.0**	**(0.7)**	N	N	AF***
Brooks	**2.9**	**0.0**	**0.0**	**111.0**	**(1.7)**	
West Cucamonga Channel Drainage System						
8th Street	**2.6**	**0.0**	**0.0**	**398.1**	**(6.0)**	
7th Street	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	
Ely 1, 2, & 3	**3.5**	**0.0**	**0.0**	**291.9**	**(4.4)**	
Minor Drainage						
Grove	**1.4**	N	N	N	N	
Cucamonga and Deer Creek Channel Drainage Systems						
Turner 1 & 2	**0.8**	**0.0**	**0.0**	**160.1**	**(2.4)**	
Turner 3&4, 5&8	**19.7**	**0.0**	**0.0**	**213.8**	**(3.2)**	**MZ-2**
Day Creek Channel Drainage System						**1,205.7**
Lower Day	**1.1**	**47.2**	**(0.7)**	X	**0.0**	AF***
Etiwanda Channel Drainage System						
Etiwanda Debris	**0.0**	**0.0**	**0.0**	X	**0.0**	
Victoria	**0.8**	**0.0**	**0.0**	**113.0**	**(1.7)**	
San Sevaine Channel Drainage System (MZ-2)						
San Sevaine 1, 2, 3, & 4	**0.0**	**39.4**	**(0.6)**	**252.2**	**(3.8)**	
San Sevaine 5	**0.0**	**0.0**	**0.0**	X	X	
West Fontana Channel System						
Hickory	**0.0**	**0.0**	**0.0**	**78.8**	**(1.2)**	
Banana	**0.0**	**0.0**	**0.0**	**78.8**	**(1.2)**	
San Sevaine Channel Drainage System (MZ-3)						
Jurupa	**14.5**	**0.0**	**0.0**	**0.0**	**0.0**	
Declez Channel Drainage System						MZ-3
RP3 Cells 1,2R,3, & 4	**0.0**	**0.0**	**0.0**	**150.0**	**(2.3)**	**475.8**
RP3 Cell 2M	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	AF***
Declez	**2.7**	**0.0**	**0.0**	**236.9**	**(3.6)**	
Non-Replenishment Recharge**						
MZ1: Upland (Upland)	**(1.4)**					
MZ1: Montclair (Upland)	**(7.4)**					
MZ2: None						
MZ3: None						
		141.1	**(2.2)**	**2,084.6**	**(31.5)**	December
Month Total = 2,242.0 AF	**50.0**	**138.9**		**2,053.1**		
All Sources	**SW/LR**	**Imported**		**Recycled Water**		
Fiscal Year Delivery (with evaporation)		**16,486.3**	**(635.5)**	**9,679.0**	**(305.9)**	Fiscal Year
Since July 1, 2024 = 25,972.0 AF	**748.1**	**15,850.8**		**9,373.1**		to Date
Calendar Year Delivery (with evaporation)		**16,486.3**	**(635.5)**	**18,008.7**	**(544.0)**	Calendar Year
Since January 1, 2024 = 36,038.8 AF	**2,723.3**	**15,850.8**		**17,464.7**		to Date

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N : No turnout planned for installation.

* : Water volume delivered to a recharge basin. Data are preliminary based on the data available at the time of this report preparation.

** : Evaporation losses applied per Watermaster (4.2% April through October and 1.5% November through March).

*** : Management Zone Subtotals have deducted from them evaporation and any Non-Replenishment Recharge (recharge originating from well water pumped to waste discharges and water recharged for storage agreements.

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APPENDIX B

RWC MANAGEMENT PLANS

RWC Management Plan for 8th Street Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/2019	Jul '18	130	6	58	310	374	45,222	93	12,321	57,543	21%	HISTORICAL
	Aug '18	131	6	0	310	316	45,523	147	12,340	57,863	21%	
	Sep '18	132	6	0	310	316	45,824	249	12,589	58,413	22%	
	Oct '18	133	68	0	310	378	46,187	188	12,777	58,963	22%	
	Nov '18	134	115	0	310	426	46,475	283	13,060	59,535	22%	
	Dec '18	135	164	0	310	474	46,597	251	13,311	59,908	22%	
	Jan '19	136	280	0	310	590	47,152	245	13,556	60,708	22%	
	Feb '19	137	319	0	310	629	47,324	0	13,556	60,879	22%	
	Mar '19	138	275	0	310	585	47,888	277	13,833	61,721	22%	
	Apr '19	139	11	0	310	321	48,194	364	14,197	62,391	23%	
	May '19	140	135	0	310	445	48,623	333	14,530	63,153	23%	
	Jun '19	141	6	0	310	316	48,940	434	14,963	63,903	23%	
2019/20	Jul '19	142	6	0	310	316	49,237	280	15,243	64,480	24%	
	Aug '19	143	4	0	310	314	49,518	71	15,290	64,808	24%	
	Sep '19	144	3	572	310	886	50,386	128	15,418	65,803	23%	
	Oct '19	145	3	250	310	563	50,565	58	15,476	66,040	23%	
	Nov '19	146	111	126	310	547	50,709	54	15,396	66,105	23%	
	Dec '19	147	180	0	310	490	50,586	0	15,303	65,889	23%	
	Jan '20	148	5	0	310	315	50,204	68	15,269	65,472	23%	
	Feb '20	149	19	0	310	329	49,745	64	15,333	65,078	24%	
	Mar '20	150	160	0	310	470	49,833	0	15,219	65,051	23%	
	Apr '20	151	120	0	310	430	49,746	11	15,129	64,876	23%	
	May '20	152	9	0	310	320	49,722	84	15,014	64,736	23%	
	Jun '20	153	3	0	310	313	49,692	162	14,874	64,565	23%	
2020/21	Jul '20	154	3	0	310	313	49,665	186	14,841	64,506	23%	
	Aug '20	155	3	0	310	313	49,640	113	14,849	64,488	23%	
	Sep '20	156	3	0	310	313	49,607	135	14,806	64,413	23%	
	Oct '20	157	8	0	310	318	49,526	114	14,632	64,158	23%	
	Nov '20	158	45	0	310	355	49,383	70	14,539	63,922	23%	
	Dec '20	159	58	0	310	368	48,942	0	14,519	63,461	23%	
	Jan '21	160	137	0	310	448	48,970	0	14,352	63,321	23%	
	Feb '21	161	30	0	310	340	48,723	0	14,269	62,992	23%	
	Mar '21	162	94	0	310	404	48,568	25	14,271	62,838	23%	
	Apr '21	163	11	0	310	321	48,555	96	14,185	62,740	23%	
	May '21	164	10	0	310	320	48,313	0	13,942	62,256	22%	
	Jun '21	165	6	0	310	316	47,973	0	13,740	61,713	22%	
2021/2022	Jul '21	166	9	0	310	320	47,782	0	13,652	61,434	22%	
	Aug '21	167	6	0	310	316	47,555	1	13,607	61,163	22%	
	Sep '21	168	18	0	310	329	47,406	287	13,893	61,298	23%	
	Oct '21	169	31	0	310	342	47,394	286	14,179	61,573	23%	
	Nov '21	170	6	0	310	316	47,262	394	14,572	61,834	24%	
	Dec '21	171	458	0	310	768	47,644	101	14,674	62,318	24%	
	Jan '22	172	31	0	310	341	47,618	273	14,920	62,537	24%	
	Feb '22	173	36	0	310	346	47,500	270	15,190	62,690	24%	
	Mar '22	174	134	0	310	444	47,353	156	15,346	62,699	24%	
	Apr '22	175	42	0	310	352	47,172	224	15,535	62,707	25%	
	May '22	176	8	0	310	318	47,155	232	15,512	62,667	25%	
	Jun '22	177	9	0	310	319	47,143	129	15,453	62,595	25%	
2022/2023	Jul '22	178	9	0	310	320	47,132	309	15,624	62,756	25%	
	Aug '22	179	6	0	310	316	47,117	169	15,793	62,910	25%	
	Sep '22	180	76	0	310	386	47,160	18	15,687	62,846	25%	
	Oct '22	181	50	0	310	360	47,181	195	15,572	62,753	25%	
	Nov '22	182	212	0	310	522	47,327	57	15,381	62,708	25%	
	Dec '22	183	285	0	310	595	47,333	4	15,282	62,615	24%	
	Jan '23	184	174	0	310	484	47,437	3	15,055	62,492	24%	
	Feb '23	185	209	0	310	520	47,556	8	14,836	62,393	24%	
	Mar '23	186	229	0	310	539	47,720	0	14,596	62,317	23%	
	Apr '23	187	10	0	310	320	47,707	81	14,526	62,232	23%	
	May '23	188	126	0	310	437	47,790	93	14,398	62,187	23%	
	Jun '23	189	143	0	310	453	47,920	161	14,288	62,208	23%	

RWC Management Plan for 8th Street Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/2024	Jul '23	190	136	0	310	446	48,043	23	14,125	62,168	23%	ACTUAL
	Aug '23	191	283	0	310	593	48,313	7	14,014	62,327	22%	
	Sep '23	192	66	13	310	388	48,380	58	13,922	62,303	22%	
	Oct '23	193	37	0	310	347	48,369	73	13,756	62,125	22%	
	Nov '23	194	73	0	310	383	48,392	125	13,632	62,024	22%	
	Dec '23	195	114	113	310	537	48,573	38	13,549	62,122	22%	
	Jan '24	196	159	0	310	469	48,705	22	13,462	62,167	22%	
	Feb '24	197	226	0	310	537	48,872	0	13,374	62,247	21%	
	Mar '24	198	174	0	310	484	48,995	22	13,371	62,365	21%	
	Apr '24	199	74	0	310	384	48,990	23	13,373	62,363	21%	
	May '24	200	40	0	310	350	49,004	3	13,310	62,314	21%	
	Jun '24	201	5	0	310	316	48,985	0	13,258	62,244	21%	
2024/2025	Jul '24	202	5	0	310	315	48,965	0	13,250	62,215	21%	
	Aug '24	203	10	0	310	320	48,959	0	13,242	62,202	21%	
	Sep '24	204	17	0	310	327	48,962	0	13,210	62,173	21%	
	Oct '24	205	48	0	310	358	49,011	179	13,390	62,400	21%	
	Nov '24	206	76	0	310	386	48,941	319	13,709	62,650	22%	
	Dec '24	207	3	0	310	313	48,590	392	14,101	62,691	22%	
	Jan '25	208	53	0	310	363	48,533	328	14,430	62,962	23%	
	Feb '25	209	3	0	310	314	48,494	229	14,658	63,152	23%	
	Mar '25	210	137		310	447	48,589	110	14,768	63,357	23%	PLANNED
	Apr '25	211	68		310	378	48,632	180	14,948	63,580	24%	
	May '25	212	44		310	354	48,619	210	15,158	63,777	24%	
	Jun '25	213	21		310	331	48,628	230	15,388	64,016	24%	
2025/26	Jul '25	214	26		310	336	48,610	220	15,608	64,218	24%	
	Aug '25	215	26		310	336	48,632	220	15,805	64,437	25%	
	Sep '25	216	26		310	336	48,582	220	15,965	64,547	25%	
	Oct '25	217	44		310	354	48,587	210	16,162	64,749	25%	
	Nov '25	218	87		310	397	48,655	160	16,227	64,882	25%	
	Dec '25	219	210		310	520	48,779	40	16,108	64,887	25%	
	Jan '26	220	147		310	457	48,677	100	16,149	64,826	25%	
	Feb '26	221	167		310	477	48,751	80	16,023	64,774	25%	
	Mar '26	222	137		310	447	48,688	110	15,973	64,661	25%	
	Apr '26	223	68		310	378	48,722	180	15,958	64,680	25%	
	May '26	224	44		310	354	48,694	210	15,964	64,658	25%	
	Jun '26	225	21		310	331	48,710	230	15,898	64,608	25%	
2026/27	Jul '26	226	26		310	336	48,732	220	15,859	64,591	25%	
	Aug '26	227	26		310	336	48,750	220	15,811	64,561	24%	
	Sep '26	228	26		310	336	48,771	220	15,783	64,554	24%	
	Oct '26	229	44		310	354	48,780	210	15,708	64,488	24%	
	Nov '26	230	87		310	397	48,785	160	15,640	64,425	24%	
	Dec '26	231	210		310	520	48,632	40	15,559	64,191	24%	
	Jan '27	232	147		310	457	48,456	100	15,659	64,115	24%	
	Feb '27	233	167		310	477	48,523	80	15,705	64,228	24%	
	Mar '27	234	137		310	447	48,638	110	15,639	64,277	24%	
	Apr '27	235	68		310	378	48,649	180	15,539	64,188	24%	
	May '27	236	44		310	354	48,677	210	15,565	64,242	24%	
	Jun '27	237	21		310	331	48,661	230	15,597	64,258	24%	
2027/28	Jul '27	238	26		310	336	48,582	220	15,816	64,398	25%	
	Aug '27	239	26		310	336	48,004	220	15,840	63,844	25%	
	Sep '27	240	26		310	336	47,740	220	15,929	63,669	25%	
	Oct '27	241	44		310	354	47,533	210	15,935	63,468	25%	
	Nov '27	242	87		310	397	47,617	160	15,995	63,612	25%	
	Dec '27	243	210		310	520	47,824	40	15,824	63,648	25%	
	Jan '28	244	147		310	457	47,850	100	15,825	63,675	25%	
	Feb '28	245	167		310	477	47,932	80	15,824	63,756	25%	
	Mar '28	246	137		310	447	47,927	110	15,926	63,852	25%	
	Apr '28	247	68		310	378	47,983	180	16,106	64,088	25%	
	May '28	248	44		310	354	48,020	210	16,309	64,329	25%	
	Jun '28	249	21		310	331	47,976	230	16,539	64,515	26%	
2028/29	Jul '28	250	26		310	336	47,937	220	16,666	64,603	26%	
	Aug '28	251	26		310	336	47,957	220	16,739	64,697	26%	
	Sep '28	252	26		310	336	47,977	220	16,710	64,687	26%	
	Oct '28	253	44		310	354	47,953	210	16,732	64,685	26%	
	Nov '28	254	87		310	397	47,925	160	16,609	64,534	26%	
	Dec '28	255	210		310	520	47,971	40	16,398	64,369	25%	
	Jan '29	256	147		310	457	47,838	100	16,253	64,091	25%	
	Feb '29	257	167		310	477	47,686	80	16,333	64,019	26%	
	Mar '29	258	137		310	447	47,548	110	16,166	63,714	25%	
	Apr '29	259	68		310	378	47,605	180	15,982	63,587	25%	
	May '29	260	44		310	354	47,514	210	15,859	63,373	25%	
	Jun '29	261	21		310	331	47,529	230	15,656	63,184	25%	

RWC Management Plan for 8th Street Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	262	26		310	336	47,549	220	15,596	63,144	25%	PLANNED
	Aug '29	263	26		310	336	47,571	220	15,745	63,316	25%	
	Sep '29	264	26		310	336	47,021	220	15,838	62,859	25%	
	Oct '29	265	44		310	354	46,812	210	15,989	62,802	25%	
	Nov '29	266	87		310	397	46,662	160	16,096	62,758	26%	
	Dec '29	267	210		310	520	46,692	40	16,136	62,828	26%	
	Jan '30	268	147		310	457	46,834	100	16,168	63,003	26%	
	Feb '30	269	167		310	477	46,983	80	16,185	63,167	26%	
	Mar '30	270	137		310	447	46,959	110	16,295	63,254	26%	
	Apr '30	271	68		310	378	46,908	180	16,464	63,371	26%	
	May '30	272	44		310	354	46,942	210	16,590	63,532	26%	
	Jun '30	273	21		310	331	46,960	230	16,658	63,618	26%	
2030/31	Jul '30	274	26		310	336	46,983	220	16,693	63,676	26%	
	Aug '30	275	26		310	336	47,006	220	16,799	63,805	26%	
	Sep '30	276	26		310	336	47,029	220	16,885	63,914	26%	
	Oct '30	277	44		310	354	47,065	210	16,981	64,046	27%	
	Nov '30	278	87		310	397	47,108	160	17,071	64,179	27%	
	Dec '30	279	210		310	520	47,259	40	17,111	64,371	27%	
	Jan '31	280	147		310	457	47,269	100	17,211	64,480	27%	
	Feb '31	281	167		310	477	47,406	80	17,291	64,698	27%	
	Mar '31	282	137		310	447	47,449	110	17,376	64,825	27%	
	Apr '31	283	68		310	378	47,506	180	17,461	64,967	27%	
	May '31	284	44		310	354	47,541	210	17,671	65,211	27%	
	Jun '31	285	21		310	331	47,556	230	17,901	65,456	27%	
2031/32	Jul '31	286	26		310	336	47,572	220	18,121	65,693	28%	
	Aug '31	287	26		310	336	47,592	220	18,340	65,932	28%	
	Sep '31	288	26		310	336	47,600	220	18,273	65,872	28%	
	Oct '31	289	44		310	354	47,612	210	18,196	65,809	28%	
	Nov '31	290	87		310	397	47,693	160	17,963	65,656	27%	
	Dec '31	291	210		310	520	47,445	40	17,901	65,346	27%	
	Jan '32	292	147		310	457	47,562	100	17,728	65,290	27%	
	Feb '32	293	167		310	477	47,692	80	17,538	65,230	27%	
	Mar '32	294	137		310	447	47,695	110	17,492	65,188	27%	
	Apr '32	295	68		310	378	47,721	180	17,449	65,170	27%	
	May '32	296	44		310	354	47,758	210	17,426	65,184	27%	
	Jun '32	297	21		310	331	47,770	230	17,528	65,297	27%	
2032/33	Jul '32	298	26		310	336	47,787	220	17,439	65,225	27%	
	Aug '32	299	26		310	336	47,806	220	17,490	65,296	27%	
	Sep '32	300	26		310	336	47,757	220	17,692	65,449	27%	
	Oct '32	301	44		310	354	47,751	210	17,708	65,458	27%	
	Nov '32	302	87		310	397	47,626	160	17,811	65,436	27%	
	Dec '32	303	210		310	520	47,551	40	17,847	65,398	27%	
	Jan '33	304	147		310	457	47,524	100	17,944	65,469	27%	
	Feb '33	305	167		310	477	47,482	80	18,017	65,499	28%	
	Mar '33	306	137		310	447	47,390	110	18,127	65,517	28%	
	Apr '33	307	68		310	378	47,448	180	18,225	65,673	28%	
	May '33	308	44		310	354	47,365	210	18,343	65,708	28%	
	Jun '33	309	21		310	331	47,244	230	18,411	65,655	28%	
2033/34	Jul '33	310	26		310	336	47,134	220	18,608	65,743	28%	
	Aug '33	311	26		310	336	46,877	220	18,821	65,698	29%	
	Sep '33	312	26		310	336	46,825	220	18,983	65,808	29%	
	Oct '33	313	44		310	354	46,832	210	19,120	65,952	29%	
	Nov '33	314	87		310	397	46,847	160	19,155	66,002	29%	
	Dec '33	315	210		310	520	46,830	40	19,158	65,988	29%	
	Jan '34	316	147		310	457	46,819	100	19,236	66,054	29%	
	Feb '34	317	167		310	477	46,759	80	19,316	66,075	29%	
	Mar '34	318	137		310	447	46,722	110	19,403	66,126	29%	
	Apr '34	319	68		310	378	46,716	180	19,560	66,276	30%	
	May '34	320	44		310	354	46,720	210	19,768	66,488	30%	
	Jun '34	321	21		310	331	46,736	230	19,998	66,733	30%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.

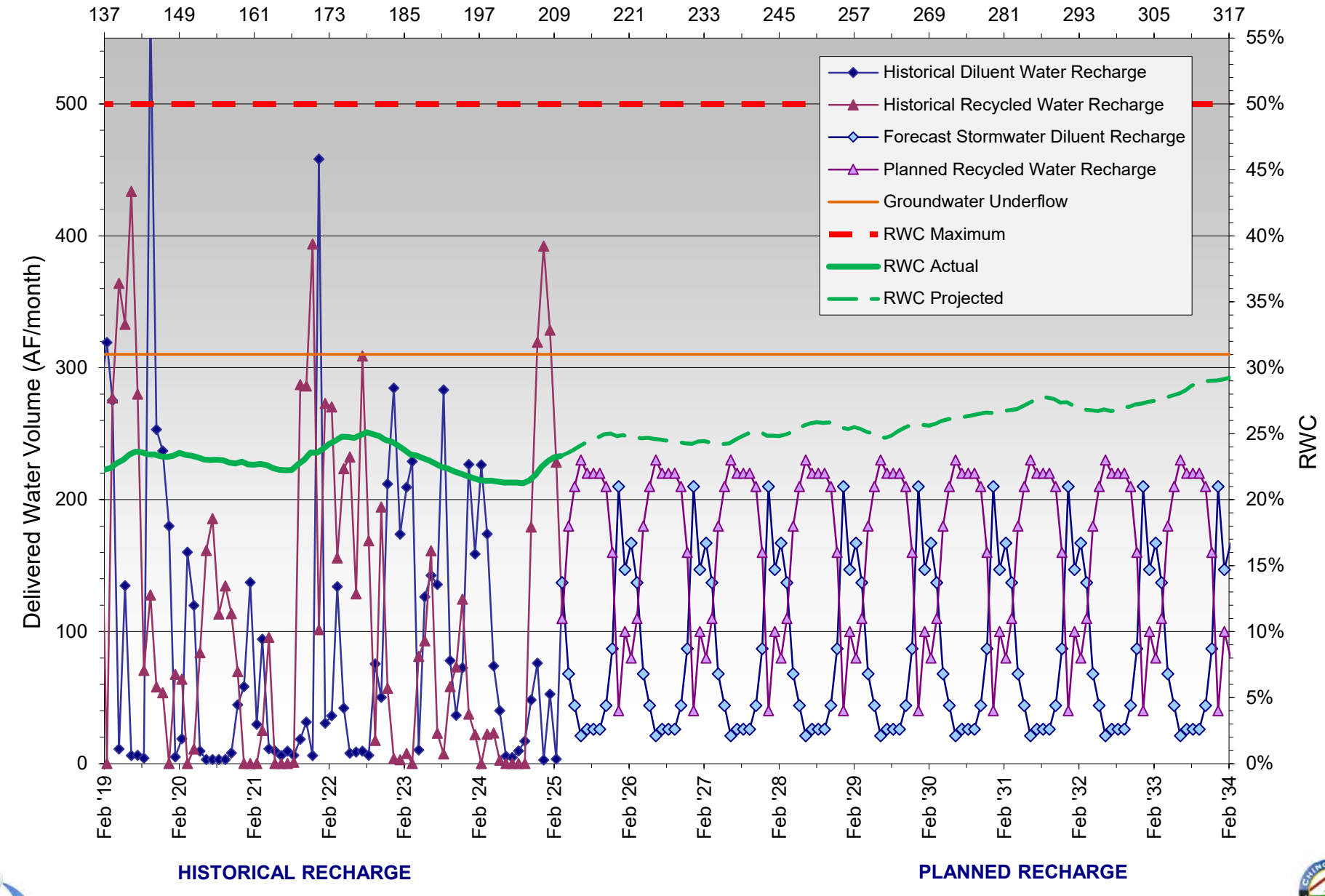
RW = Recycled Water

RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.

While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan - 8th Street Basins



RWC Management Plan for Banana Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/2019	Jul '18	156	2	0	151	154	18,798	147	10,892	29,690	37%	HISTORICAL
	Aug '18	157	0	0	151	151	18,904	16	10,908	29,812	37%	
	Sep '18	158	0	0	151	151	19,021	91	10,999	30,020	37%	
	Oct '18	159	12	0	151	163	19,148	0	10,999	30,147	36%	
	Nov '18	160	23	0	151	174	19,272	30	11,029	30,302	36%	
	Dec '18	161	12	0	151	164	19,349	0	11,029	30,378	36%	
	Jan '19	162	27	0	151	179	19,523	13	11,003	30,525	36%	
	Feb '19	163	42	0	151	194	19,621	0	11,003	30,624	36%	
	Mar '19	164	14	0	151	165	19,786	0	11,003	30,789	36%	
	Apr '19	165	0	0	151	151	19,937	0	11,003	30,940	36%	
	May '19	166	0	0	151	151	20,089	1	11,003	31,092	35%	
	Jun '19	167	0	0	151	151	20,240	0	11,003	31,243	35%	
2019/2020	Jul '19	168	0	0	151	151	20,391	33	11,036	31,428	35%	
	Aug '19	169	0	0	151	151	20,543	100	11,137	31,679	35%	
	Sep '19	170	0	0	151	151	20,694	227	11,364	32,057	35%	
	Oct '19	171	0	0	151	151	20,679	242	11,476	32,155	36%	
	Nov '19	172	53	0	151	204	20,732	92	11,387	32,119	35%	
	Dec '19	173	57	0	151	208	20,713	24	11,344	32,057	35%	
	Jan '20	174	0	0	151	151	20,613	45	11,314	31,927	35%	
	Feb '20	175	0	0	151	151	20,470	24	11,338	31,808	36%	
	Mar '20	176	81	0	151	232	20,534	38	11,376	31,910	36%	
	Apr '20	177	57	0	151	209	20,525	17	11,253	31,779	35%	
	May '20	178	0	0	151	151	20,525	35	11,111	31,637	35%	
	Jun '20	179	0	0	151	151	20,525	0	10,982	31,508	35%	
2020/2021	Jul '20	180	0	0	151	151	20,525	0	10,905	31,431	35%	
	Aug '20	181	0	0	151	151	20,525	0	10,851	31,377	35%	
	Sep '20	182	0	0	151	151	20,525	0	10,792	31,318	34%	
	Oct '20	183	0	0	151	151	20,520	166	10,910	31,431	35%	
	Nov '20	184	12	0	151	163	20,516	137	11,019	31,535	35%	
	Dec '20	185	63	0	151	214	20,528	115	11,134	31,661	35%	
	Jan '21	186	88	0	151	239	20,605	38	11,171	31,777	35%	
	Feb '21	187	1	0	151	152	20,580	37	11,209	31,789	35%	
	Mar '21	188	52	0	151	204	20,633	37	11,246	31,878	35%	
	Apr '21	189	2	0	151	154	20,635	121	11,367	32,002	36%	
	May '21	190	0	0	151	151	20,635	97	11,464	32,099	36%	
	Jun '21	191	0	0	151	151	20,635	94	11,558	32,193	36%	
2021/2022	Jul '21	192	9	0	151	161	20,613	86	11,644	32,257	36%	
	Aug '21	193	0	0	151	151	20,613	76	11,584	32,198	36%	
	Sep '21	194	0	0	151	151	20,613	93	11,282	31,895	35%	
	Oct '21	195	5	0	151	156	20,598	49	10,927	31,525	35%	
	Nov '21	196	0	0	151	151	20,568	48	10,814	31,382	34%	
	Dec '21	197	109	0	151	260	20,659	2	10,571	31,230	34%	
	Jan '22	198	2	0	151	153	20,613	25	10,435	31,047	34%	
	Feb '22	199	5	0	151	156	20,597	43	10,310	30,907	33%	
	Mar '22	200	12	0	151	163	20,565	85	10,323	30,888	33%	
	Apr '22	201	4	0	151	155	20,533	54	10,326	30,859	33%	
	May '22	202	0	0	151	151	20,533	0	10,281	30,814	33%	
	Jun '22	203	0	0	151	151	20,533	0	10,202	30,736	33%	
2022/2023	Jul '22	204	0	0	151	151	20,533	0	10,161	30,695	33%	
	Aug '22	205	0	0	151	151	20,533	95	10,254	30,787	33%	
	Sep '22	206	1	0	151	152	20,534	283	10,349	30,883	34%	
	Oct '22	207	1	0	151	153	20,525	144	10,390	30,915	34%	
	Nov '22	208	64	0	151	215	20,584	50	10,320	30,904	33%	
	Dec '22	209	96	0	151	247	20,631	0	10,305	30,935	33%	
	Jan '23	210	66	0	151	217	20,679	0	10,277	30,956	33%	
	Feb '23	211	74	0	151	225	20,733	3	10,277	31,010	33%	
	Mar '23	212	59	0	151	210	20,784	0	10,235	31,019	33%	
	Apr '23	213	0	0	151	151	20,784	0	10,180	30,964	33%	
	May '23	214	23	0	151	175	20,804	0	10,141	30,946	33%	
	Jun '23	215	0	0	151	151	20,804	21	10,128	30,932	33%	

RWC Management Plan for Banana Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/2024	Jul '23	216	0	0	151	151	20,804	351	10,463	31,268	33%	ACTUAL
	Aug '23	217	60	0	151	211	20,864	220	10,671	31,535	34%	
	Sep '23	218	4	0	151	155	20,868	129	10,800	31,667	34%	
	Oct '23	219	0	0	151	151	20,868	144	10,559	31,426	34%	
	Nov '23	220	21	0	151	173	20,867	103	10,560	31,427	34%	
	Dec '23	221	40	0	151	192	20,901	48	10,608	31,509	34%	
	Jan '24	222	42	0	151	194	20,926	29	10,636	31,562	34%	
	Feb '24	223	73	0	151	224	20,944	0	10,636	31,580	34%	
	Mar '24	224	72	0	151	223	21,007	54	10,605	31,612	34%	
	Apr '24	225	28	0	151	180	21,033	134	10,652	31,685	34%	
	May '24	226	0	0	151	151	21,033	99	10,556	31,589	33%	
	Jun '24	227	0	0	151	151	21,033	88	10,454	31,487	33%	
2024/2025	Jul '24	228	0	0	151	151	21,033	29	10,483	31,516	33%	
	Aug '24	229	0	0	151	151	21,033	18	10,418	31,451	33%	
	Sep '24	230	0	0	151	151	21,033	9	10,355	31,388	33%	
	Oct '24	231	6	0	151	158	21,039	17	10,166	31,205	33%	
	Nov '24	232	31	0	151	182	21,063	17	10,009	31,073	32%	
	Dec '24	233	0	0	151	151	20,918	78	10,020	30,938	32%	
	Jan '25	234	21	0	151	172	20,915	38	9,914	30,829	32%	
	Feb '25	235	0	0	151	151	20,899	72	9,939	30,838	32%	
	Mar '25	236	28		151	179	20,925	100	9,959	30,884	32%	PLANNED
	Apr '25	237	14		151	165	20,936	110	9,979	30,915	32%	
	May '25	238	7		151	158	20,943	120	9,938	30,881	32%	
	Jun '25	239	0		151	151	20,943	130	10,042	30,985	32%	
2025/2026	Jul '25	240	4		151	155	20,947	120	10,108	31,055	33%	
	Aug '25	241	6		151	157	20,953	120	10,072	31,025	32%	
	Sep '25	242	4		151	155	20,917	120	9,816	30,733	32%	
	Oct '25	243	14		151	165	20,826	110	9,577	30,403	32%	
	Nov '25	244	20		151	171	20,816	110	9,425	30,241	31%	
	Dec '25	245	53		151	204	20,810	70	9,212	30,022	31%	
	Jan '26	246	44		151	195	20,783	80	9,217	30,000	31%	
	Feb '26	247	40		151	191	20,816	90	9,197	30,013	31%	
	Mar '26	248	28		151	179	20,806	100	9,223	30,029	31%	
	Apr '26	249	14		151	165	20,820	110	9,236	30,056	31%	
	May '26	250	7		151	158	20,812	120	9,243	30,055	31%	
	Jun '26	251	0		151	151	20,812	130	9,216	30,028	31%	
2026/2027	Jul '26	252	4		151	155	20,816	120	9,153	29,969	31%	
	Aug '26	253	6		151	157	20,822	120	9,224	30,046	31%	
	Sep '26	254	4		151	155	20,826	120	9,247	30,073	31%	
	Oct '26	255	14		151	165	20,834	110	9,242	30,076	31%	
	Nov '26	256	20		151	171	20,833	110	9,297	30,130	31%	
	Dec '26	257	53		151	204	20,815	70	9,366	30,181	31%	
	Jan '27	258	44		151	195	20,809	80	9,446	30,255	31%	
	Feb '27	259	40		151	191	20,831	90	9,536	30,367	31%	
	Mar '27	260	28		151	179	20,859	100	9,636	30,495	32%	
	Apr '27	261	14		151	165	20,873	110	9,746	30,619	32%	
	May '27	262	7		151	158	20,880	120	9,866	30,746	32%	
	Jun '27	263	0		151	151	20,880	130	9,996	30,876	32%	
2027/28	Jul '27	264	4		151	155	20,884	120	10,116	31,000	33%	
	Aug '27	265	6		151	157	20,888	120	10,105	30,993	33%	
	Sep '27	266	4		151	155	20,756	120	10,064	30,820	33%	
	Oct '27	267	14		151	165	20,647	110	9,933	30,580	32%	
	Nov '27	268	20		151	171	20,667	110	9,580	30,247	32%	
	Dec '27	269	53		151	204	20,580	70	9,398	29,978	31%	
	Jan '28	270	44		151	195	20,416	80	9,352	29,768	31%	
	Feb '28	271	40		151	191	20,445	90	9,236	29,681	31%	
	Mar '28	272	28		151	179	20,413	100	9,249	29,661	31%	
	Apr '28	273	14		151	165	20,427	110	9,186	29,613	31%	
	May '28	274	7		151	158	20,433	120	9,145	29,578	31%	
	Jun '28	275	0		151	151	20,433	130	9,145	29,579	31%	
2028/29	Jul '28	276	4		151	155	20,435	120	9,119	29,554	31%	
	Aug '28	277	6		151	157	20,441	120	9,223	29,664	31%	
	Sep '28	278	4		151	155	20,445	120	9,252	29,697	31%	
	Oct '28	279	14		151	165	20,447	110	9,362	29,809	31%	
	Nov '28	280	20		151	171	20,444	110	9,442	29,886	32%	
	Dec '28	281	53		151	204	20,485	70	9,512	29,997	32%	
	Jan '29	282	44		151	195	20,502	80	9,578	30,080	32%	
	Feb '29	283	40		151	191	20,499	90	9,668	30,168	32%	
	Mar '29	284	28		151	179	20,514	100	9,768	30,282	32%	
	Apr '29	285	14		151	165	20,528	110	9,878	30,406	32%	
	May '29	286	7		151	158	20,535	120	9,998	30,533	33%	
	Jun '29	287	0		151	151	20,535	130	10,128	30,663	33%	

RWC Management Plan for Banana Basin

(120-month averaging period)

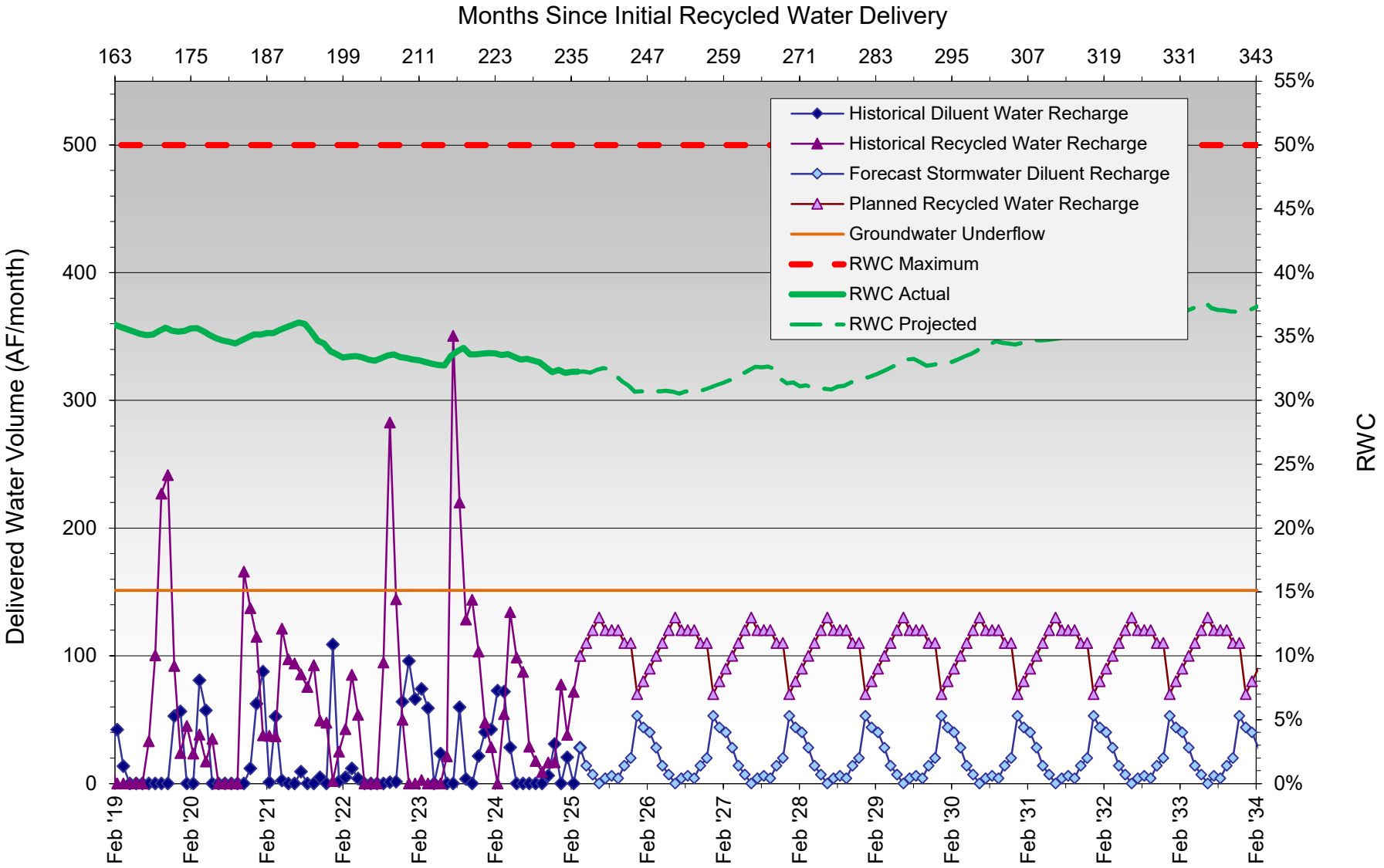
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	288	4		151	155	20,539	120	10,215	30,754	33%	PLANNED
	Aug '29	289	6		151	157	20,545	120	10,234	30,779	33%	
	Sep '29	290	4		151	155	20,549	120	10,127	30,676	33%	
	Oct '29	291	14		151	165	20,563	110	9,996	30,559	33%	
	Nov '29	292	20		151	171	20,530	110	10,014	30,544	33%	
	Dec '29	293	53		151	204	20,527	70	10,060	30,587	33%	
	Jan '30	294	44		151	195	20,571	80	10,095	30,665	33%	
	Feb '30	295	40		151	191	20,611	90	10,161	30,772	33%	
	Mar '30	296	28		151	179	20,558	100	10,223	30,781	33%	
	Apr '30	297	14		151	165	20,514	110	10,316	30,830	33%	
	May '30	298	7		151	158	20,521	120	10,401	30,922	34%	
	Jun '30	299	0		151	151	20,521	130	10,531	31,052	34%	
2030/31	Jul '30	300	4		151	155	20,525	120	10,651	31,176	34%	
	Aug '30	301	6		151	157	20,531	120	10,771	31,302	34%	
	Sep '30	302	4		151	155	20,535	120	10,891	31,426	35%	
	Oct '30	303	14		151	165	20,549	110	10,835	31,384	35%	
	Nov '30	304	20		151	171	20,558	110	10,807	31,365	34%	
	Dec '30	305	53		151	204	20,548	70	10,763	31,311	34%	
	Jan '31	306	44		151	195	20,504	80	10,805	31,309	35%	
	Feb '31	307	40		151	191	20,543	90	10,858	31,401	35%	
	Mar '31	308	28		151	179	20,519	100	10,921	31,440	35%	
	Apr '31	309	14		151	165	20,531	110	10,909	31,440	35%	
	May '31	310	7		151	158	20,538	120	10,932	31,470	35%	
	Jun '31	311	0		151	151	20,538	130	10,968	31,506	35%	
2031/32	Jul '31	312	4		151	155	20,532	120	11,003	31,535	35%	
	Aug '31	313	6		151	157	20,538	120	11,047	31,585	35%	
	Sep '31	314	4		151	155	20,542	120	11,074	31,617	35%	
	Oct '31	315	14		151	165	20,551	110	11,135	31,686	35%	
	Nov '31	316	20		151	171	20,571	110	11,197	31,769	35%	
	Dec '31	317	53		151	204	20,516	70	11,265	31,781	35%	
	Jan '32	318	44		151	195	20,558	80	11,320	31,878	36%	
	Feb '32	319	40		151	191	20,593	90	11,368	31,961	36%	
	Mar '32	320	28		151	179	20,609	100	11,383	31,992	36%	
	Apr '32	321	14		151	165	20,619	110	11,439	32,058	36%	
	May '32	322	7		151	158	20,626	120	11,559	32,185	36%	
	Jun '32	323	0		151	151	20,626	130	11,689	32,315	36%	
2032/33	Jul '32	324	4		151	155	20,630	120	11,809	32,439	36%	
	Aug '32	325	6		151	157	20,636	120	11,834	32,471	36%	
	Sep '32	326	4		151	155	20,639	120	11,672	32,311	36%	
	Oct '32	327	14		151	165	20,652	110	11,637	32,289	36%	
	Nov '32	328	20		151	171	20,608	110	11,697	32,305	36%	
	Dec '32	329	53		151	204	20,565	70	11,767	32,332	36%	
	Jan '33	330	44		151	195	20,543	80	11,847	32,390	37%	
	Feb '33	331	40		151	191	20,509	90	11,935	32,443	37%	
	Mar '33	332	28		151	179	20,478	100	12,035	32,512	37%	
	Apr '33	333	14		151	165	20,492	110	12,145	32,636	37%	
	May '33	334	7		151	158	20,475	120	12,265	32,740	37%	
	Jun '33	335	0		151	151	20,475	130	12,373	32,849	38%	
2033/34	Jul '33	336	6		151	157	20,481	120	12,143	32,624	37%	
	Aug '33	337	4		151	155	20,426	120	12,043	32,469	37%	
	Sep '33	338	14		151	165	20,436	120	12,034	32,470	37%	
	Oct '33	339	20		151	171	20,456	110	12,000	32,457	37%	
	Nov '33	340	53		151	204	20,488	110	12,007	32,495	37%	
	Dec '33	341	44		151	195	20,492	70	12,029	32,521	37%	
	Jan '34	342	40		151	191	20,489	80	12,081	32,570	37%	
	Feb '34	343	28		151	179	20,445	90	12,171	32,615	37%	
	Mar '34	344	14		151	165	20,387	100	12,217	32,603	37%	
	Apr '34	345	7		151	158	20,365	110	12,192	32,558	37%	
	May '34	346	0		151	151	20,365	120	12,214	32,579	37%	
	Jun '34	347	6		151	157	20,371	130	12,256	32,628	38%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan for Banana Basin



RWC Management Plan for Brooks Street Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	119	0	0	509	509	58,765	45	12,246	71,011	17%	HISTORICAL
	Aug '18	120	0	0	509	509	59,258	18	12,147	71,405	17%	
	Sep '18	121	0	0	509	509	59,767	0	12,061	71,828	17%	
	Oct '18	122	3	0	509	512	60,280	0	11,895	72,175	16%	
	Nov '18	123	22	0	509	531	60,788	183	11,975	72,763	16%	
	Dec '18	124	43	0	509	552	61,178	257	12,144	73,322	17%	
	Jan '19	125	260	0	509	769	61,922	66	11,933	73,855	16%	
	Feb '19	126	283	0	509	792	62,506	0	11,913	74,419	16%	
	Mar '19	127	149	0	509	658	63,134	77	11,831	74,965	16%	
	Apr '19	128	3	0	509	512	63,645	254	11,789	75,434	16%	
	May '19	129	61	0	509	571	64,199	189	11,864	76,062	16%	
	Jun '19	130	0	0	509	509	64,708	291	11,976	76,684	16%	
2019/20	Jul '19	131	0	111	509	621	65,328	177	12,147	77,474	16%	
	Aug '19	132	0	39	509	548	65,876	56	12,195	78,071	16%	
	Sep '19	133	1	0	509	510	66,386	36	12,231	78,617	16%	
	Oct '19	134	0	0	509	509	66,373	176	12,223	78,596	16%	
	Nov '19	135	70	0	509	579	66,439	64	12,042	78,481	15%	
	Dec '19	136	160	0	509	669	66,470	31	11,928	78,398	15%	
	Jan '20	137	4	0	509	513	66,222	5	11,860	78,082	15%	
	Feb '20	138	0	0	509	509	66,007	53	11,859	77,867	15%	
	Mar '20	139	159	0	509	668	66,139	68	11,747	77,887	15%	
	Apr '20	140	167	0	509	676	66,283	15	11,527	77,810	15%	
	May '20	141	8	0	509	517	66,289	114	11,285	77,574	15%	
	Jun '20	142	0	0	509	509	66,288	102	11,179	77,468	14%	
2020/21	Jul '20	143	0	0	509	509	66,287	150	11,182	77,469	14%	
	Aug '20	144	0	0	509	509	66,269	121	11,028	77,297	14%	
	Sep '20	145	2	0	509	512	66,271	126	11,013	77,283	14%	
	Oct '20	146	2	0	509	512	66,249	85	10,968	77,217	14%	
	Nov '20	147	11	0	509	520	66,216	0	10,881	77,097	14%	
	Dec '20	148	43	0	509	552	65,977	0	10,847	76,824	14%	
	Jan '21	149	57	0	509	566	65,921	82	10,929	76,850	14%	
	Feb '21	150	5	0	509	514	65,762	75	11,004	76,766	14%	
	Mar '21	151	41	0	509	550	65,661	24	11,028	76,689	14%	
	Apr '21	152	0	0	509	509	65,660	164	11,018	76,677	14%	
	May '21	153	0	0	509	509	65,650	53	10,909	76,559	14%	
	Jun '21	154	0	0	509	509	65,649	53	10,739	76,388	14%	
2021/22	Jul '21	155	5	0	509	514	65,416	121	10,860	76,276	14%	
	Aug '21	156	0	0	509	509	65,231	100	10,960	76,191	14%	
	Sep '21	157	0	0	509	509	65,077	97	11,057	76,135	15%	
	Oct '21	158	14	0	509	523	65,073	72	11,049	76,123	15%	
	Nov '21	159	5	0	509	514	65,028	44	11,057	76,085	15%	
	Dec '21	160	134	0	509	643	65,146	27	10,986	76,132	14%	
	Jan '22	161	4	0	509	513	65,105	3	10,846	75,951	14%	
	Feb '22	162	7	0	509	517	65,062	67	10,837	75,899	14%	
	Mar '22	163	43	0	509	552	65,002	0	10,752	75,754	14%	
	Apr '22	164	36	0	509	545	64,974	0	10,720	75,693	14%	
	May '22	165	1	0	509	511	64,974	0	10,595	75,568	14%	
	Jun '22	166	2	0	509	512	64,976	0	10,434	75,410	14%	
2022/23	Jul '22	167	0	0	509	509	64,975	0	10,401	75,376	14%	
	Aug '22	168	0	0	509	509	64,973	0	10,362	75,335	14%	
	Sep '22	169	6	0	509	516	64,978	189	10,499	75,477	14%	
	Oct '22	170	21	0	509	531	64,999	162	10,661	75,660	14%	
	Nov '22	171	67	0	509	576	65,066	81	10,742	75,808	14%	
	Dec '22	172	69	0	509	578	65,135	111	10,853	75,988	14%	
	Jan '23	173	311	0	509	820	65,411	45	10,556	75,967	14%	
	Feb '23	174	86	0	509	595	65,471	71	10,328	75,798	14%	
	Mar '23	175	236	0	509	745	65,675	0	10,090	75,765	13%	
	Apr '23	176	4	0	509	514	65,679	54	9,913	75,592	13%	
	May '23	177	39	0	509	548	65,701	63	9,824	75,525	13%	
	Jun '23	178	2	0	509	511	65,702	115	9,818	75,520	13%	

RWC Management Plan for Brooks Street Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	179	1	0	509	510	65,701	44	9,693	75,395	13%	ACTUAL
	Aug '23	180	58	0	509	567	65,758	0	9,496	75,254	13%	
	Sep '23	181	5	0	509	514	65,735	103	9,418	75,152	13%	
	Oct '23	182	2	0	509	511	65,714	126	9,435	75,149	13%	
	Nov '23	183	2	0	509	511	65,711	51	9,392	75,103	13%	
	Dec '23	184	33	0	509	543	65,737	80	9,368	75,105	12%	
	Jan '24	185	79	0	509	588	65,812	34	9,293	75,105	12%	
	Feb '24	186	272	0	509	781	66,037	0	9,191	75,228	12%	
	Mar '24	187	141	0	509	650	66,166	0	9,061	75,227	12%	
	Apr '24	188	27	0	509	536	66,179	0	8,996	75,175	12%	
	May '24	189	15	0	509	524	66,194	53	9,049	75,243	12%	
	Jun '24	190	0	0	509	509	66,175	112	9,113	75,288	12%	
2024/25	Jul '24	191	3	0	509	512	66,171	126	9,167	75,338	12%	
	Aug '24	192	1	0	509	510	66,171	78	9,104	75,275	12%	
	Sep '24	193	1	0	509	510	66,171	42	8,989	75,160	12%	
	Oct '24	194	5	0	509	514	66,170	57	8,990	75,159	12%	
	Nov '24	195	5	0	509	514	66,146	152	9,104	75,251	12%	
	Dec '24	196	3	0	509	512	66,054	109	9,214	75,268	12%	
	Jan '25	197	11	0	509	520	66,046	92	9,296	75,342	12%	
	Feb '25	198	0	0	509	510	66,019	38	9,241	75,261	12%	
	Mar '25	199	78		509	587	66,084	70	9,242	75,327	12%	PLANNED
	Apr '25	200	33		509	542	66,107	120	9,261	75,369	12%	
	May '25	201	14		509	523	66,100	140	9,281	75,382	12%	
	Jun '25	202	2		509	511	66,102	150	9,275	75,378	12%	
2025/26	Jul '25	203	3		509	512	66,105	150	9,362	75,468	12%	
	Aug '25	204	6		509	515	66,111	140	9,502	75,614	13%	
	Sep '25	205	7		509	516	66,117	140	9,642	75,760	13%	
	Oct '25	206	10		509	519	66,127	140	9,782	75,910	13%	
	Nov '25	207	26		509	535	66,152	120	9,902	76,055	13%	
	Dec '25	208	78		509	587	66,230	70	9,871	76,102	13%	
	Jan '26	209	98		509	607	66,274	50	9,667	75,942	13%	
	Feb '26	210	100		509	609	66,283	50	9,601	75,885	13%	
	Mar '26	211	78		509	587	66,270	70	9,460	75,731	12%	
	Apr '26	212	33		509	542	66,290	120	9,388	75,679	12%	
	May '26	213	14		509	523	66,303	140	9,250	75,554	12%	
	Jun '26	214	2		509	511	66,305	150	9,400	75,706	12%	
2026/27	Jul '26	215	3		509	512	66,308	150	9,550	75,859	13%	
	Aug '26	216	6		509	515	66,314	140	9,690	76,005	13%	
	Sep '26	217	7		509	516	66,290	140	9,685	75,976	13%	
	Oct '26	218	10		509	519	66,113	140	9,806	75,920	13%	
	Nov '26	219	26		509	535	66,100	120	9,810	75,911	13%	
	Dec '26	220	78		509	587	65,982	70	9,867	75,850	13%	
	Jan '27	221	98		509	607	65,826	50	9,917	75,744	13%	
	Feb '27	222	100		509	609	65,784	50	9,967	75,752	13%	
	Mar '27	223	78		509	587	65,861	70	10,021	75,883	13%	
	Apr '27	224	33		509	542	65,878	120	10,133	76,012	13%	
	May '27	225	14		509	523	65,891	140	10,235	76,127	13%	
	Jun '27	226	2		509	511	65,891	150	10,355	76,247	14%	
2027/28	Jul '27	227	3		509	512	65,801	150	10,277	76,078	14%	
	Aug '27	228	6		509	515	65,711	140	10,362	76,074	14%	
	Sep '27	229	7		509	516	65,714	140	10,333	76,048	14%	
	Oct '27	230	10		509	519	65,723	140	10,374	76,097	14%	
	Nov '27	231	26		509	535	65,746	120	10,343	76,089	14%	
	Dec '27	232	78		509	587	65,823	70	10,291	76,114	14%	
	Jan '28	233	98		509	607	65,888	50	10,246	76,134	13%	
	Feb '28	234	100		509	609	65,979	50	10,190	76,170	13%	
	Mar '28	235	78		509	587	66,014	70	10,248	76,262	13%	
	Apr '28	236	33		509	542	66,045	120	10,332	76,376	14%	
	May '28	237	14		509	523	66,055	140	10,387	76,442	14%	
	Jun '28	238	2		509	511	66,056	150	10,428	76,484	14%	
2028/29	Jul '28	239	3		509	512	66,059	150	10,532	76,591	14%	
	Aug '28	240	6		509	515	66,065	140	10,654	76,719	14%	
	Sep '28	241	7		509	516	66,072	140	10,794	76,866	14%	
	Oct '28	242	10		509	519	66,079	140	10,934	77,013	14%	
	Nov '28	243	26		509	535	66,083	120	10,871	76,954	14%	
	Dec '28	244	78		509	587	66,118	70	10,684	76,802	14%	
	Jan '29	245	98		509	607	65,956	50	10,668	76,625	14%	
	Feb '29	246	100		509	609	65,774	50	10,718	76,492	14%	
	Mar '29	247	78		509	587	65,702	70	10,712	76,414	14%	
	Apr '29	248	33		509	542	65,733	120	10,577	76,310	14%	
	May '29	249	14		509	523	65,685	140	10,528	76,213	14%	
	Jun '29	250	2		509	511	65,687	150	10,387	76,074	14%	

RWC Management Plan for Brooks Street Basins

(120-month averaging period)

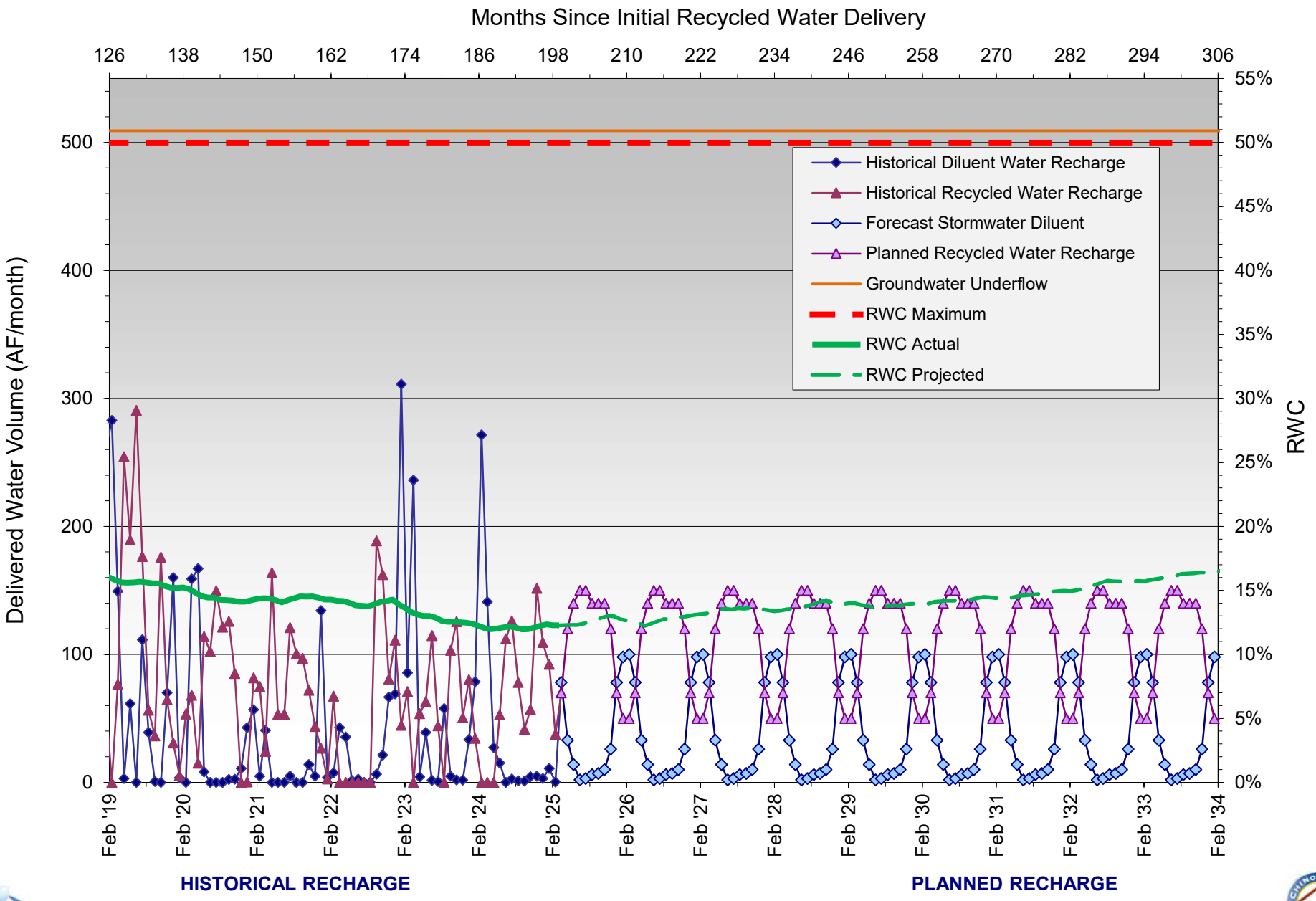
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	251	3		509	512	65,579	150	10,361	75,939	14%	PLANNED
	Aug '29	252	6		509	515	65,546	140	10,444	75,990	14%	
	Sep '29	253	7		509	516	65,552	140	10,548	76,100	14%	
	Oct '29	254	10		509	519	65,562	140	10,512	76,074	14%	
	Nov '29	255	26		509	535	65,518	120	10,568	76,086	14%	
	Dec '29	256	78		509	587	65,436	70	10,607	76,043	14%	
	Jan '30	257	98		509	607	65,530	50	10,652	76,182	14%	
	Feb '30	258	100		509	609	65,630	50	10,648	76,279	14%	
	Mar '30	259	78		509	587	65,549	70	10,650	76,200	14%	
	Apr '30	260	33		509	542	65,416	120	10,755	76,171	14%	
	May '30	261	14		509	523	65,421	140	10,781	76,203	14%	
	Jun '30	262	2		509	511	65,423	150	10,829	76,253	14%	
2030/31	Jul '30	263	3		509	512	65,426	150	10,830	76,256	14%	
	Aug '30	264	6		509	515	65,432	140	10,848	76,281	14%	
	Sep '30	265	7		509	516	65,437	140	10,863	76,300	14%	
	Oct '30	266	10		509	519	65,445	140	10,918	76,362	14%	
	Nov '30	267	26		509	535	65,460	120	11,038	76,497	14%	
	Dec '30	268	78		509	587	65,495	70	11,107	76,602	14%	
	Jan '31	269	98		509	607	65,536	50	11,076	76,612	14%	
	Feb '31	270	100		509	609	65,632	50	11,051	76,682	14%	
	Mar '31	271	78		509	587	65,669	70	11,097	76,766	14%	
	Apr '31	272	33		509	542	65,702	120	11,053	76,755	14%	
	May '31	273	14		509	523	65,716	140	11,140	76,856	14%	
	Jun '31	274	2		509	511	65,718	150	11,236	76,954	15%	
2031/32	Jul '31	275	3		509	512	65,716	150	11,265	76,981	15%	
	Aug '31	276	6		509	515	65,722	140	11,305	77,027	15%	
	Sep '31	277	7		509	516	65,729	140	11,348	77,077	15%	
	Oct '31	278	10		509	519	65,725	140	11,416	77,141	15%	
	Nov '31	279	26		509	535	65,746	120	11,492	77,239	15%	
	Dec '31	280	78		509	587	65,690	70	11,536	77,226	15%	
	Jan '32	281	98		509	607	65,785	50	11,583	77,368	15%	
	Feb '32	282	100		509	609	65,877	50	11,566	77,443	15%	
	Mar '32	283	78		509	587	65,912	70	11,636	77,548	15%	
	Apr '32	284	33		509	542	65,910	120	11,756	77,666	15%	
	May '32	285	14		509	523	65,922	140	11,896	77,818	15%	
	Jun '32	286	2		509	511	65,922	150	12,046	77,968	15%	
2032/33	Jul '32	287	3		509	512	65,925	150	12,196	78,121	16%	
	Aug '32	288	6		509	515	65,931	140	12,336	78,267	16%	
	Sep '32	289	7		509	516	65,932	140	12,287	78,219	16%	
	Oct '32	290	10		509	519	65,920	140	12,265	78,185	16%	
	Nov '32	291	26		509	535	65,880	120	12,304	78,184	16%	
	Dec '32	292	78		509	587	65,888	70	12,263	78,152	16%	
	Jan '33	293	98		509	607	65,675	50	12,269	77,944	16%	
	Feb '33	294	100		509	609	65,690	50	12,248	77,937	16%	
	Mar '33	295	78		509	587	65,532	70	12,318	77,849	16%	
	Apr '33	296	33		509	542	65,560	120	12,384	77,944	16%	
	May '33	297	14		509	523	65,535	140	12,461	77,996	16%	
	Jun '33	298	2		509	511	65,536	150	12,496	78,032	16%	
2033/34	Jul '33	299	3		509	512	65,538	150	12,602	78,140	16%	
	Aug '33	300	6		509	515	65,486	140	12,742	78,228	16%	
	Sep '33	301	7		509	516	65,489	140	12,779	78,267	16%	
	Oct '33	302	10		509	519	65,497	140	12,793	78,290	16%	
	Nov '33	303	26		509	535	65,521	120	12,863	78,384	16%	
	Dec '33	304	78		509	587	65,566	70	12,852	78,418	16%	
	Jan '34	305	98		509	607	65,585	50	12,868	78,453	16%	
	Feb '34	306	100		509	609	65,414	50	12,918	78,332	16%	
	Mar '34	307	78		509	587	65,351	70	12,988	78,339	17%	
	Apr '34	308	33		509	542	65,357	120	13,108	78,465	17%	
	May '34	309	14		509	523	65,355	140	13,195	78,551	17%	
	Jun '34	310	2		509	511	65,357	150	13,233	78,590	17%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan - Brooks Street Basin



RWC Management Plan for Ely Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	226	0	0	286	286	42,958	209	12,343	55,301	22%	HISTORICAL
	Aug '18	227	0	0	286	286	43,236	253	12,596	55,832	23%	
	Sep '18	228	0	0	286	286	43,517	336	12,932	56,449	23%	
	Oct '18	229	35	0	286	322	43,821	156	12,952	56,774	23%	
	Nov '18	230	202	0	286	488	44,196	256	13,121	57,316	23%	
	Dec '18	231	222	0	286	508	44,417	26	13,146	57,563	23%	
	Jan '19	232	295	0	286	582	44,961	109	13,216	58,177	23%	
	Feb '19	233	288	0	286	574	45,125	0	13,207	58,332	23%	
	Mar '19	234	68	0	286	354	45,432	0	13,207	58,639	23%	
	Apr '19	235	74	0	286	360	45,657	0	13,192	58,849	22%	
	May '19	236	70	0	286	356	45,945	44	13,225	59,170	22%	
	Jun '19	237	1	0	286	287	46,208	0	13,225	59,433	22%	
2019/20	Jul '19	238	0	0	286	286	46,494	0	13,225	59,719	22%	
	Aug '19	239	22	0	286	308	46,781	0	13,225	60,006	22%	
	Sep '19	240	0	88	286	375	46,954	127	13,328	60,282	22%	
	Oct '19	241	3	11	286	300	46,781	242	13,468	60,249	22%	
	Nov '19	242	268	0	286	554	46,766	183	13,532	60,298	22%	
	Dec '19	243	443	0	286	729	46,967	0	13,532	60,499	22%	
	Jan '20	244	5	0	286	291	46,654	113	13,644	60,298	23%	
	Feb '20	245	3	0	286	289	46,436	272	13,917	60,352	23%	
	Mar '20	246	582	0	286	868	46,914	106	14,022	60,936	23%	
	Apr '20	247	395	0	286	681	46,914	135	14,157	61,071	23%	
	May '20	248	38	0	286	324	46,854	469	14,626	61,480	24%	
	Jun '20	249	0	0	286	286	46,854	415	15,041	61,895	24%	
2020/21	Jul '20	250	0	0	286	286	46,854	227	15,268	62,122	25%	
	Aug '20	251	65	0	286	351	46,919	23	15,290	62,209	25%	
	Sep '20	252	3	0	286	289	46,922	1	15,291	62,213	25%	
	Oct '20	253	59	0	286	345	46,952	154	15,331	62,283	25%	
	Nov '20	254	87	0	286	373	46,912	58	15,269	62,180	25%	
	Dec '20	255	69	0	286	355	46,408	159	15,416	61,824	25%	
	Jan '21	256	301	0	286	587	46,605	44	15,459	62,065	25%	
	Feb '21	257	38	0	286	324	46,320	0	15,416	61,737	25%	
	Mar '21	258	114	0	286	401	46,199	104	15,521	61,719	25%	
	Apr '21	259	51	0	286	338	46,247	107	15,521	61,768	25%	
	May '21	260	127	0	286	413	46,361	131	15,497	61,858	25%	
	Jun '21	261	153	0	286	439	46,424	182	15,473	61,896	25%	
2021/22	Jul '21	262	23	0	286	309	46,143	187	15,483	61,627	25%	
	Aug '21	263	51	0	286	337	45,903	6	15,348	61,251	25%	
	Sep '21	264	9	0	286	295	45,568	42	15,384	60,952	25%	
	Oct '21	265	10	0	286	297	45,363	102	15,486	60,849	25%	
	Nov '21	266	2	0	286	288	45,154	4	15,490	60,644	26%	
	Dec '21	267	1,073	0	286	1,359	46,190	0	15,490	61,680	25%	
	Jan '22	268	70	0	286	356	46,171	45	15,471	61,642	25%	
	Feb '22	269	73	0	286	359	46,149	94	15,559	61,708	25%	
	Mar '22	270	394	0	286	680	46,296	16	15,576	61,871	25%	
	Apr '22	271	28	0	286	314	46,189	0	15,576	61,764	25%	
	May '22	272	50	0	286	336	46,236	172	15,748	61,983	25%	
	Jun '22	273	13	0	286	299	46,236	83	15,831	62,067	26%	
2022/23	Jul '22	274	125	0	286	411	46,354	105	15,937	62,291	26%	
	Aug '22	275	24	0	286	310	46,371	0	15,937	62,308	26%	
	Sep '22	276	34	0	286	320	46,400	0	15,937	62,336	26%	
	Oct '22	277	25	0	286	311	46,420	0	15,937	62,356	26%	
	Nov '22	278	123	0	286	409	46,533	26	15,883	62,416	25%	
	Dec '22	279	286	0	286	572	46,484	0	15,816	62,300	25%	
	Jan '23	280	711	0	286	997	47,123	0	15,671	62,794	25%	
	Feb '23	281	310	0	286	596	47,396	0	15,446	62,842	25%	
	Mar '23	282	483	0	286	769	47,816	0	15,132	62,948	24%	
	Apr '23	283	11	0	286	297	47,826	0	15,053	62,879	24%	
	May '23	284	100	0	286	386	47,904	0	14,794	62,697	24%	
	Jun '23	285	2	0	286	288	47,901	0	14,585	62,486	23%	

RWC Management Plan for Ely Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	286	1	0	286	287	47,896	0	14,428	62,324	23%	ACTUAL
	Aug '23	287	438	0	286	724	48,329	0	14,094	62,423	23%	
	Sep '23	288	62	0	286	348	48,385	0	13,637	62,022	22%	
	Oct '23	289	2	0	286	288	48,387	0	13,279	61,666	22%	
	Nov '23	290	64	0	286	351	48,430	0	12,858	61,288	21%	
	Dec '23	291	112	0	286	399	48,519	0	12,445	60,963	20%	
	Jan '24	292	259	0	286	545	48,769	0	12,234	61,003	20%	
	Feb '24	293	527	0	286	813	49,002	0	12,040	61,042	20%	
	Mar '24	294	457	0	286	743	49,397	0	11,932	61,328	19%	
	Apr '24	295	78	0	286	365	49,392	0	11,714	61,106	19%	
	May '24	296	19	0	286	305	49,402	0	11,473	60,875	19%	
	Jun '24	297	3	0	286	289	49,390	65	11,352	60,742	19%	
2024/25	Jul '24	298	8	0	286	295	49,382	10	11,261	60,643	19%	
	Aug '24	299	1	0	286	287	49,367	57	11,310	60,677	19%	
	Sep '24	300	4	0	286	290	49,355	15	11,204	60,560	19%	
	Oct '24	301	31	0	286	317	49,370	108	11,026	60,396	18%	
	Nov '24	302	17	0	286	303	49,218	247	11,203	60,420	19%	
	Dec '24	303	4	0	286	290	48,829	288	11,485	60,314	19%	
	Jan '25	304	51	0	286	337	48,836	219	11,522	60,358	19%	
	Feb '25	305	4	0	286	290	48,769	155	11,454	60,223	19%	
	Mar '25	306	207		286	493	48,961	10	11,307	60,268	19%	PLANNED
	Apr '25	307	144		286	430	49,005	70	11,212	60,217	19%	
	May '25	308	89		286	375	48,863	130	11,182	60,045	19%	
	Jun '25	309	28		286	314	48,891	190	11,099	59,990	19%	
2025/26	Jul '25	310	40		286	326	48,646	180	11,177	59,823	19%	
	Aug '25	311	49		286	335	48,692	170	11,346	60,038	19%	
	Sep '25	312	48		286	334	48,525	170	11,485	60,010	19%	
	Oct '25	313	75		286	361	48,525	140	11,549	60,074	19%	
	Nov '25	314	135		286	421	48,619	80	11,608	60,227	19%	
	Dec '25	315	249		286	535	48,776	0	11,480	60,256	19%	
	Jan '26	316	223		286	509	48,662	0	11,419	60,081	19%	
	Feb '26	317	224		286	510	48,827	0	11,330	60,157	19%	
	Mar '26	318	207		286	493	48,857	10	11,293	60,150	19%	
	Apr '26	319	144		286	430	48,977	70	11,236	60,213	19%	
	May '26	320	89		286	375	48,869	130	11,247	60,116	19%	
	Jun '26	321	28		286	314	48,896	190	11,227	60,123	19%	
2026/27	Jul '26	322	40		286	326	48,934	180	11,294	60,228	19%	
	Aug '26	323	49		286	335	48,983	170	11,375	60,358	19%	
	Sep '26	324	48		286	334	49,028	170	11,313	60,341	19%	
	Oct '26	325	75		286	361	49,056	140	11,220	60,276	19%	
	Nov '26	326	135		286	421	49,105	80	11,188	60,293	19%	
	Dec '26	327	249		286	535	48,831	0	11,188	60,019	19%	
	Jan '27	328	223		286	509	48,737	0	11,188	59,925	19%	
	Feb '27	329	224		286	510	48,623	0	11,188	59,811	19%	
	Mar '27	330	207		286	493	48,814	10	11,075	59,889	18%	
	Apr '27	331	144		286	430	48,949	70	10,955	59,904	18%	
	May '27	332	89		286	375	49,001	130	10,835	59,836	18%	
	Jun '27	333	28		286	314	49,029	190	10,876	59,905	18%	
2027/28	Jul '27	334	40		286	326	48,857	180	11,293	60,150	19%	
	Aug '27	335	49		286	335	48,977	170	11,236	60,213	19%	
	Sep '27	336	48		286	334	48,869	170	11,247	60,116	19%	
	Oct '27	337	75		286	361	48,896	140	11,227	60,123	19%	
	Nov '27	338	135		286	421	48,934	80	11,294	60,228	19%	
	Dec '27	339	249		286	535	48,983	0	11,375	60,358	19%	
	Jan '28	340	223		286	509	49,028	0	11,313	60,341	19%	
	Feb '28	341	224		286	510	49,056	0	11,220	60,276	19%	
	Mar '28	342	207		286	493	49,105	10	11,188	60,293	19%	
	Apr '28	343	144		286	430	48,831	70	11,188	60,019	19%	
	May '28	344	89		286	375	48,737	130	11,188	59,925	19%	
	Jun '28	345	28		286	314	48,623	190	11,188	59,811	19%	
2028/29	Jul '28	346	40		286	326	48,814	180	11,075	59,889	18%	
	Aug '28	347	49		286	335	48,949	170	10,955	59,904	18%	
	Sep '28	348	48		286	334	49,001	170	10,835	59,836	18%	
	Oct '28	349	75		286	361	49,029	140	10,876	59,905	18%	
	Nov '28	350	135		286	421	49,032	80	11,022	60,150	18%	
	Dec '28	351	249		286	535	48,955	0	11,165	60,213	19%	
	Jan '29	352	223		286	509	49,003	0	11,119	60,116	18%	
	Feb '29	353	224		286	510	49,021	0	11,172	60,123	19%	
	Mar '29	354	207		286	493	49,156	10	11,216	60,228	19%	
	Apr '29	355	144		286	430	49,405	70	10,997	60,358	18%	
	May '29	356	89		286	375	49,373	130	10,967	60,341	18%	
	Jun '29	357	28		286	314	49,507	190	10,786	60,276	18%	

RWC Management Plan for Ely Basin

(120-month averaging period)

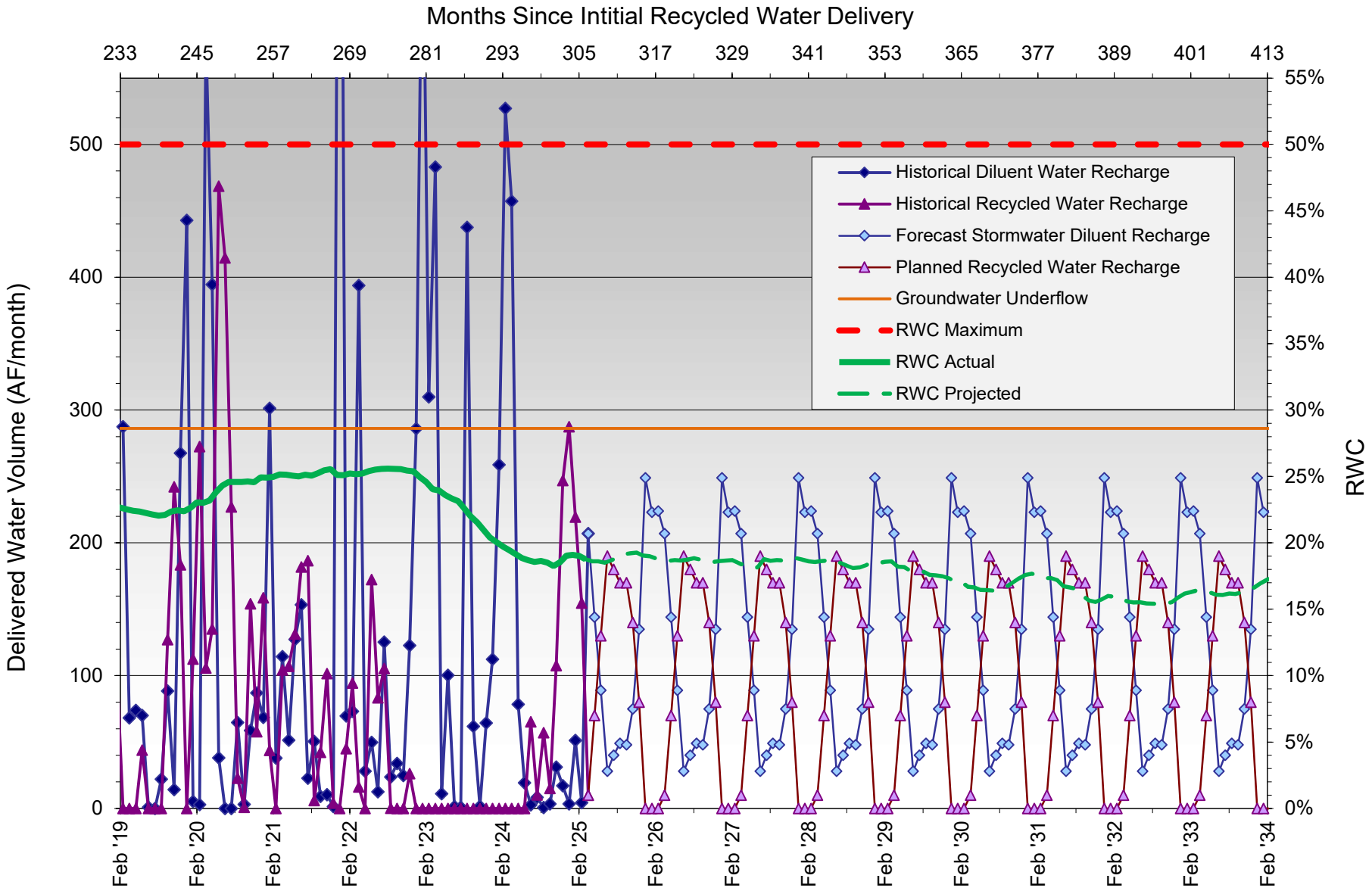
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	358	40		286	326	49,448	180	10,796	60,293	18%	PLANNED
	Aug '29	359	49		286	335	49,573	170	10,711	60,019	18%	
	Sep '29	360	48		286	334	49,662	170	10,541	59,925	18%	
	Oct '29	361	75		286	361	49,690	140	10,505	59,811	18%	
	Nov '29	362	135		286	421	49,730	80	10,476	59,889	17%	
	Dec '29	363	249		286	535	49,779	0	10,393	59,904	17%	
	Jan '30	364	223		286	509	49,827	0	10,228	59,836	17%	
	Feb '30	365	224		286	510	49,867	0	10,212	59,905	17%	
	Mar '30	366	207		286	493	49,800	10	10,036	60,054	17%	
	Apr '30	367	144		286	430	49,827	70	10,010	60,120	17%	
	May '30	368	89		286	375	49,754	130	9,901	60,122	16%	
	Jun '30	369	28		286	314	49,691	190	9,901	60,193	16%	
2030/31	Jul '30	370	40		286	326	49,830	180	9,911	60,372	16%	
	Aug '30	371	49		286	335	49,900	170	9,981	60,402	17%	
	Sep '30	372	48		286	334	49,919	170	10,067	60,340	17%	
	Oct '30	373	75		286	361	49,946	140	10,257	60,292	17%	
	Nov '30	374	135		286	421	49,986	80	10,437	60,244	17%	
	Dec '30	375	249		286	535	50,013	0	10,607	60,284	18%	
	Jan '31	376	223		286	509	49,972	0	10,650	60,203	18%	
	Feb '31	377	224		286	510	50,033	0	10,548	60,195	18%	
	Mar '31	378	207		286	493	49,901	10	10,445	60,206	17%	
	Apr '31	379	144		286	430	49,707	70	10,445	60,172	17%	
	May '31	380	89		286	375	49,924	130	10,332	60,055	17%	
	Jun '31	381	28		286	314	50,146	190	10,060	60,079	17%	
2031/32	Jul '31	382	40		286	326	49,771	180	9,964	59,836	17%	
	Aug '31	383	49		286	335	49,520	170	9,899	59,837	17%	
	Sep '31	384	48		286	334	49,571	170	9,560	59,655	16%	
	Oct '31	385	75		286	361	49,599	140	9,336	59,592	16%	
	Nov '31	386	135		286	421	49,639	80	9,289	59,741	16%	
	Dec '31	387	249		286	535	49,623	0	9,436	59,881	16%	
	Jan '32	388	223		286	509	49,668	0	9,605	59,986	16%	
	Feb '32	389	224		286	510	49,685	0	9,591	60,203	16%	
	Mar '32	390	207		286	493	49,733	10	9,613	60,423	16%	
	Apr '32	391	144		286	430	49,913	70	9,455	60,620	16%	
	May '32	392	89		286	375	49,835	130	9,411	60,623	16%	
	Jun '32	393	28		286	314	50,021	190	9,411	60,581	16%	
2032/33	Jul '32	394	40		286	326	50,114	180	9,317	60,345	15%	
	Aug '32	395	49		286	335	50,206	170	9,280	60,151	15%	
	Sep '32	396	48		286	334	50,168	170	9,279	60,257	15%	
	Oct '32	397	75		286	361	50,043	140	9,287	60,205	15%	
	Nov '32	398	135		286	421	50,060	80	9,280	59,735	16%	
	Dec '32	399	249		286	535	50,058	0	9,444	59,419	16%	
	Jan '33	400	223		286	509	50,097	0	9,572	59,131	16%	
	Feb '33	401	224		286	510	50,162	0	9,610	58,935	16%	
	Mar '33	402	207		286	493	50,296	10	9,686	58,928	16%	
	Apr '33	403	144		286	430	49,472	70	9,686	59,059	16%	
	May '33	404	89		286	375	49,625	130	9,641	59,273	16%	
	Jun '33	405	28		286	314	49,776	190	9,547	59,276	16%	
2033/34	Jul '33	406	40		286	326	49,589	180	9,541	59,346	16%	
	Aug '33	407	49		286	335	49,705	170	9,611	59,368	16%	
	Sep '33	408	48		286	334	49,745	170	9,569	59,246	16%	
	Oct '33	409	75		286	361	49,760	140	9,675	59,432	16%	
	Nov '33	410	135		286	421	49,675	80	9,750	59,430	16%	
	Dec '33	411	249		286	535	49,700	0	9,920	59,486	17%	
	Jan '34	412	223		286	509	49,715	0	10,090	59,446	17%	
	Feb '34	413	224		286	510	49,765	0	10,230	59,329	17%	
	Mar '34	414	207		286	493	49,777	10	10,283	59,340	17%	
	Apr '34	415	144		286	430	49,740	70	10,283	59,503	17%	
	May '34	416	89		286	375	49,252	130	10,283	59,669	17%	
	Jun '34	417	28		286	314	49,166	190	10,283	59,772	17%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan for Ely Basin



RWC Management Plan for Hickory Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/2019	Jul '18	154	3	0	267	270	32,936	18	9,416	42,353	22%	HISTORICAL
	Aug '18	155	2	0	267	268	33,199	122	9,538	42,737	22%	
	Sep '18	156	3	0	267	270	33,465	15	9,553	43,018	22%	
	Oct '18	157	4	0	267	271	33,733	0	9,553	43,286	22%	
	Nov '18	158	37	0	267	303	34,034	10	9,564	43,597	22%	
	Dec '18	159	60	0	267	326	34,325	8	9,571	43,896	22%	
	Jan '19	160	44	0	267	310	34,635	8	9,579	44,214	22%	
	Feb '19	161	91	0	267	357	34,929	0	9,556	44,485	21%	
	Mar '19	162	28	0	267	295	35,193	0	9,533	44,726	21%	
	Apr '19	163	0	0	267	267	35,451	0	9,533	44,984	21%	
	May '19	164	0	0	267	267	35,700	0	9,533	45,233	21%	
	Jun '19	165	0	0	267	267	35,964	0	9,533	45,497	21%	
2019/2020	Jul '19	166	1	60	267	328	36,283	0	9,533	45,816	21%	
	Aug '19	167	6	350	267	623	36,902	64	9,597	46,499	21%	
	Sep '19	168	6	344	267	617	37,516	20	9,583	47,099	20%	
	Oct '19	169	2	194	267	462	37,681	23	9,417	47,097	20%	
	Nov '19	170	14	102	267	383	37,771	11	9,184	46,955	20%	
	Dec '19	171	52	3	267	321	37,667	30	9,121	46,788	19%	
	Jan '20	172	1	3	267	271	37,457	36	9,137	46,595	20%	
	Feb '20	173	1	0	267	268	37,258	15	9,152	46,411	20%	
	Mar '20	174	40	0	267	307	37,283	73	9,164	46,447	20%	
	Apr '20	175	61	0	267	328	37,298	19	9,127	46,424	20%	
	May '20	176	1	0	267	268	37,299	72	9,088	46,386	20%	
	Jun '20	177	0	0	267	267	37,299	122	9,160	46,459	20%	
2020/2021	Jul '20	178	1	0	267	267	37,299	54	9,193	46,493	20%	
	Aug '20	179	2	0	267	268	37,301	74	9,239	46,540	20%	
	Sep '20	180	0	0	267	267	37,289	81	9,035	46,324	20%	
	Oct '20	181	0	0	267	267	37,276	26	8,967	46,243	19%	
	Nov '20	182	1	0	267	268	37,241	0	8,916	46,157	19%	
	Dec '20	183	55	0	267	322	37,148	0	8,916	46,064	19%	
	Jan '21	184	35	0	267	301	37,171	0	8,866	46,036	19%	
	Feb '21	185	0	0	267	267	37,092	0	8,829	45,920	19%	
	Mar '21	186	56	0	267	323	37,078	0	8,829	45,907	19%	
	Apr '21	187	0	0	267	267	37,078	0	8,777	45,855	19%	
	May '21	188	0	0	267	267	37,076	0	8,693	45,769	19%	
	Jun '21	189	0	0	267	267	37,068	0	8,619	45,687	19%	
2021/2022	Jul '21	190	0	0	267	267	37,068	0	8,605	45,673	19%	
	Aug '21	191	17	0	267	284	37,013	209	8,814	45,827	19%	
	Sep '21	192	13	0	267	280	36,547	286	9,079	45,626	20%	
	Oct '21	193	11	0	267	277	36,541	49	9,093	45,634	20%	
	Nov '21	194	6	0	267	272	36,535	36	8,927	45,462	20%	
	Dec '21	195	147	0	267	414	36,682	8	8,708	45,390	19%	
	Jan '22	196	0	0	267	267	36,633	23	8,715	45,348	19%	
	Feb '22	197	0	0	267	267	36,574	78	8,710	45,284	19%	
	Mar '22	198	40	0	267	307	36,561	73	8,704	45,266	19%	
	Apr '22	199	11	0	267	278	36,543	78	8,716	45,259	19%	
	May '22	200	0	0	267	267	36,543	98	8,774	45,317	19%	
	Jun '22	201	0	0	267	267	36,541	133	8,906	45,446	20%	
2022/2023	Jul '22	202	0	0	267	267	36,519	31	8,880	45,398	20%	
	Aug '22	203	0	0	267	267	36,469	56	8,892	45,360	20%	
	Sep '22	204	29	0	267	295	36,468	6	8,897	45,365	20%	
	Oct '22	205	2	0	267	268	36,419	0	8,897	45,316	20%	
	Nov '22	206	65	0	267	332	36,471	24	8,744	45,215	19%	
	Dec '22	207	10	0	267	277	36,475	0	8,600	45,075	19%	
	Jan '23	208	65	0	267	331	36,540	0	8,485	45,025	19%	
	Feb '23	209	41	0	267	308	36,573	0	8,482	45,055	19%	
	Mar '23	210	37	0	267	304	36,597	0	8,335	44,932	19%	
	Apr '23	211	0	0	267	267	36,597	0	8,264	44,861	18%	
	May '23	212	0	0	267	267	36,591	0	8,264	44,855	18%	
	Jun '23	213	0	0	267	267	36,590	0	8,148	44,738	18%	

RWC Management Plan for Hickory Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/2024	Jul '23	214	0	0	267	267	36,586	0	7,947	44,533	18%	ACTUAL
	Aug '23	215	45	42	267	353	36,673	0	7,936	44,609	18%	
	Sep '23	216	69	320	267	656	37,063	0	7,936	44,999	18%	
	Oct '23	217	22	256	267	545	37,340	0	7,935	45,275	18%	
	Nov '23	218	30	230	267	527	37,541	0	7,596	45,137	17%	
	Dec '23	219	34	142	267	442	37,709	0	7,488	45,197	17%	
	Jan '24	220	48	0	267	315	37,746	52	7,454	45,199	16%	
	Feb '24	221	128	0	267	394	37,853	0	7,387	45,240	16%	
	Mar '24	222	129	0	267	395	37,969	63	7,226	45,195	16%	
	Apr '24	223	8	0	267	275	37,945	85	6,932	44,877	15%	
	May '24	224	18	0	267	284	37,929	230	6,871	44,800	15%	
	Jun '24	225	0	0	267	267	37,927	204	6,863	44,790	15%	
2024/2025	Jul '24	226	0	0	267	267	37,927	260	7,005	44,932	16%	
	Aug '24	227	0	15	267	282	37,943	159	7,082	45,024	16%	
	Sep '24	228	0	0	267	267	37,943	81	6,927	44,870	15%	
	Oct '24	229	1	0	267	267	37,943	148	6,849	44,792	15%	
	Nov '24	230	19	0	267	285	37,962	29	6,606	44,568	15%	
	Dec '24	231	0	0	267	267	37,777	78	6,638	44,414	15%	
	Jan '25	232	8	0	267	275	37,777	38	6,482	44,259	15%	
	Feb '25	233	0	0	267	267	37,730	13	6,315	44,045	14%	
	Mar '25	234	37		267	304	37,767	110	6,310	44,077	14%	PLANNED
	Apr '25	235	20		267	287	37,787	130	6,211	43,998	14%	
	May '25	236	14		267	281	37,798	140	6,212	44,010	14%	
	Jun '25	237	8		267	275	37,806	140	6,155	43,961	14%	
2025/26	Jul '25	238	16		267	283	37,822	130	6,246	44,068	14%	
	Aug '25	239	19		267	286	37,841	130	6,320	44,161	14%	
	Sep '25	240	24		267	291	37,856	130	6,343	44,199	14%	
	Oct '25	241	17		267	284	37,859	130	6,400	44,259	14%	
	Nov '25	242	25		267	292	37,870	130	6,446	44,316	15%	
	Dec '25	243	64		267	331	37,870	90	6,483	44,353	15%	
	Jan '26	244	41		267	308	37,876	110	6,570	44,446	15%	
	Feb '26	245	49		267	316	37,920	100	6,643	44,563	15%	
	Mar '26	246	37		267	304	37,935	110	6,753	44,688	15%	
	Apr '26	247	20		267	287	37,934	130	6,840	44,774	15%	
	May '26	248	14		267	281	37,948	140	6,928	44,876	15%	
	Jun '26	249	8		267	275	37,956	140	7,050	45,006	16%	
2026/27	Jul '26	250	16		267	283	37,972	130	7,180	45,152	16%	
	Aug '26	251	19		267	286	37,991	130	7,261	45,252	16%	
	Sep '26	252	24		267	291	38,015	130	7,362	45,377	16%	
	Oct '26	253	17		267	284	38,007	130	7,437	45,444	16%	
	Nov '26	254	25		267	292	38,023	130	7,564	45,587	17%	
	Dec '26	255	64		267	331	38,002	90	7,654	45,656	17%	
	Jan '27	256	41		267	308	38,024	110	7,764	45,788	17%	
	Feb '27	257	49		267	316	38,069	100	7,864	45,933	17%	
	Mar '27	258	37		267	304	38,106	110	7,974	46,080	17%	
	Apr '27	259	20		267	287	38,126	130	8,104	46,230	18%	
	May '27	260	14		267	281	38,140	140	8,244	46,384	18%	
	Jun '27	261	8		267	275	38,148	140	8,384	46,532	18%	
2027/28	Jul '27	262	16		267	283	37,636	130	8,346	45,982	18%	
	Aug '27	263	19		267	286	37,235	130	8,456	45,691	19%	
	Sep '27	264	24		267	291	36,986	130	8,467	45,453	19%	
	Oct '27	265	17		267	284	36,840	130	8,426	45,266	19%	
	Nov '27	266	25		267	292	36,850	130	8,386	45,236	19%	
	Dec '27	267	64		267	331	36,838	90	8,371	45,208	19%	
	Jan '28	268	41		267	308	36,754	110	8,396	45,149	19%	
	Feb '28	269	49		267	316	36,787	100	8,362	45,149	19%	
	Mar '28	270	37		267	304	36,765	110	8,456	45,220	19%	
	Apr '28	271	20		267	287	36,775	130	8,400	45,175	19%	
	May '28	272	14		267	281	36,789	140	8,408	45,197	19%	
	Jun '28	273	8		267	275	36,795	140	8,455	45,250	19%	
2028/29	Jul '28	274	16		267	283	36,808	130	8,568	45,375	19%	
	Aug '28	275	19		267	286	36,825	130	8,576	45,401	19%	
	Sep '28	276	24		267	291	36,846	130	8,691	45,537	19%	
	Oct '28	277	17		267	284	36,859	130	8,821	45,679	19%	
	Nov '28	278	25		267	292	36,847	130	8,940	45,787	20%	
	Dec '28	279	64		267	331	36,851	90	9,023	45,874	20%	
	Jan '29	280	41		267	308	36,849	110	9,125	45,974	20%	
	Feb '29	281	49		267	316	36,807	100	9,225	46,032	20%	
	Mar '29	282	37		267	304	36,816	110	9,335	46,151	20%	
	Apr '29	283	20		267	287	36,836	130	9,465	46,301	20%	
	May '29	284	14		267	281	36,850	140	9,605	46,455	21%	
	Jun '29	285	8		267	275	36,858	140	9,745	46,603	21%	

RWC Management Plan for Hickory Basin

(120-month averaging period)

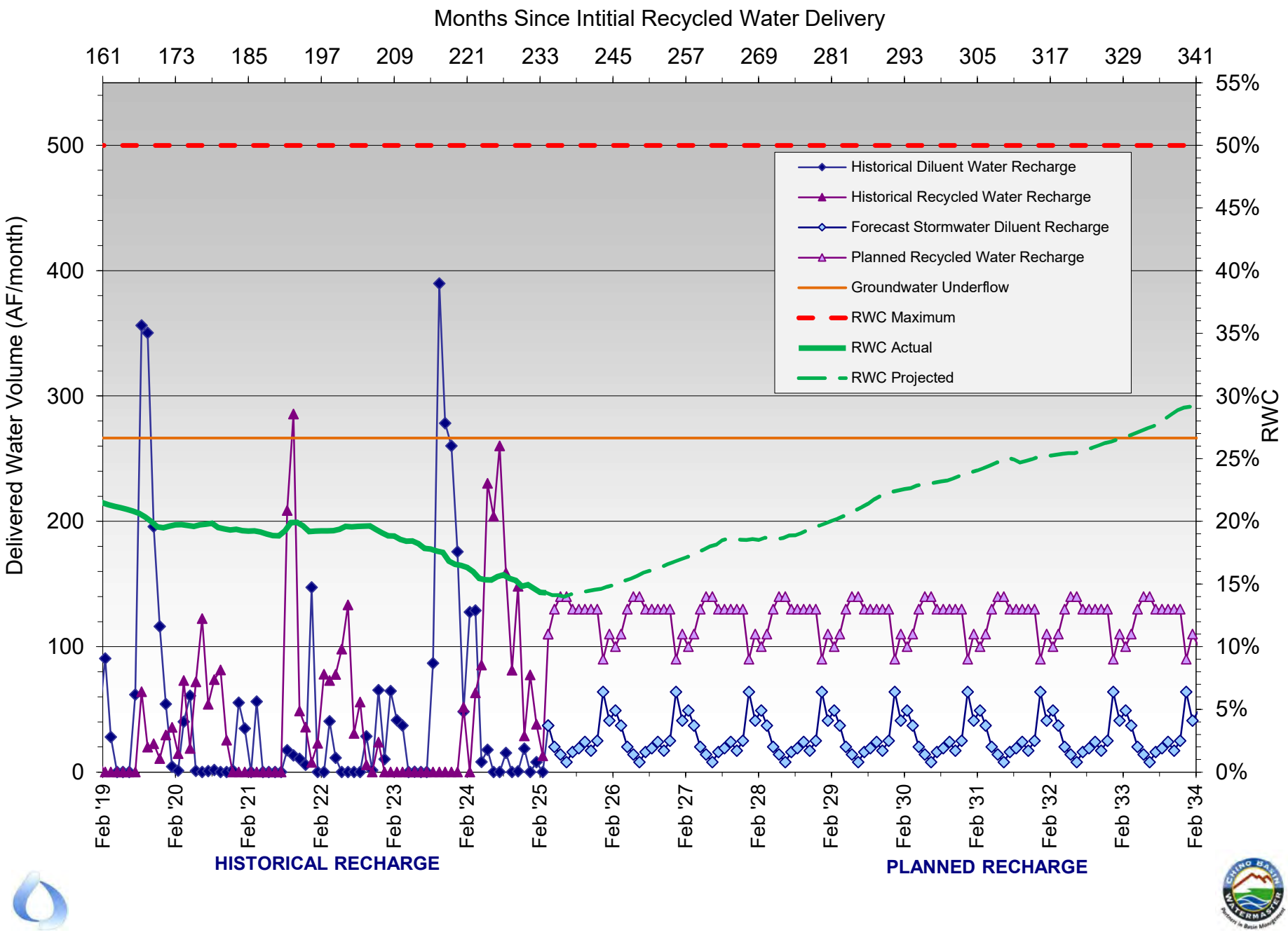
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	286	16		267	283	36,812	130	9,875	46,687	21%	PLANNED
	Aug '29	287	19		267	286	36,475	130	9,941	46,416	21%	
	Sep '29	288	24		267	291	36,149	130	10,051	46,200	22%	
	Oct '29	289	17		267	284	35,970	130	10,158	46,128	22%	
	Nov '29	290	25		267	292	35,879	130	10,278	46,156	22%	
	Dec '29	291	64		267	331	35,889	90	10,338	46,227	22%	
	Jan '30	292	41		267	308	35,925	110	10,413	46,338	22%	
	Feb '30	293	49		267	316	35,973	100	10,498	46,471	23%	
	Mar '30	294	37		267	304	35,970	110	10,535	46,505	23%	
	Apr '30	295	20		267	287	35,929	130	10,646	46,575	23%	
	May '30	296	14		267	281	35,942	140	10,714	46,656	23%	
	Jun '30	297	8		267	275	35,950	140	10,732	46,682	23%	
2030/31	Jul '30	298	16		267	283	35,965	130	10,808	46,773	23%	
	Aug '30	299	19		267	286	35,983	130	10,864	46,846	23%	
	Sep '30	300	24		267	291	36,007	130	10,913	46,919	23%	
	Oct '30	301	17		267	284	36,024	130	11,017	47,041	23%	
	Nov '30	302	25		267	292	36,047	130	11,147	47,194	24%	
	Dec '30	303	64		267	331	36,056	90	11,237	47,293	24%	
	Jan '31	304	41		267	308	36,062	110	11,347	47,409	24%	
	Feb '31	305	49		267	316	36,111	100	11,447	47,558	24%	
	Mar '31	306	37		267	304	36,092	110	11,557	47,649	24%	
	Apr '31	307	20		267	287	36,112	130	11,687	47,799	24%	
	May '31	308	14		267	281	36,126	140	11,827	47,953	25%	
	Jun '31	309	8		267	275	36,134	140	11,967	48,101	25%	
2031/32	Jul '31	310	16		267	283	36,150	130	12,097	48,247	25%	
	Aug '31	311	19		267	286	36,151	130	12,018	48,170	25%	
	Sep '31	312	24		267	291	36,162	130	11,863	48,025	25%	
	Oct '31	313	17		267	284	36,168	130	11,944	48,112	25%	
	Nov '31	314	25		267	292	36,188	130	12,038	48,226	25%	
	Dec '31	315	64		267	331	36,104	90	12,121	48,225	25%	
	Jan '32	316	41		267	308	36,145	110	12,208	48,353	25%	
	Feb '32	317	49		267	316	36,194	100	12,230	48,424	25%	
	Mar '32	318	37		267	304	36,191	110	12,267	48,458	25%	
	Apr '32	319	20		267	287	36,200	130	12,319	48,518	25%	
	May '32	320	14		267	281	36,214	140	12,361	48,574	25%	
	Jun '32	321	8		267	275	36,222	140	12,367	48,589	25%	
2032/33	Jul '32	322	16		267	283	36,238	130	12,466	48,704	26%	
	Aug '32	323	19		267	286	36,257	130	12,540	48,797	26%	
	Sep '32	324	24		267	291	36,252	130	12,665	48,917	26%	
	Oct '32	325	17		267	284	36,268	130	12,795	49,062	26%	
	Nov '32	326	25		267	292	36,227	130	12,901	49,128	26%	
	Dec '32	327	64		267	331	36,281	90	12,991	49,272	26%	
	Jan '33	328	41		267	308	36,258	110	13,101	49,358	27%	
	Feb '33	329	49		267	316	36,265	100	13,201	49,466	27%	
	Mar '33	330	37		267	304	36,265	110	13,311	49,576	27%	
	Apr '33	331	20		267	287	36,285	130	13,441	49,726	27%	
	May '33	332	14		267	281	36,299	140	13,581	49,880	27%	
	Jun '33	333	8		267	275	36,307	140	13,721	50,028	27%	
2033/34	Jul '33	334	16		267	283	36,323	130	13,851	50,174	28%	
	Aug '33	335	19		267	286	36,255	130	13,981	50,236	28%	
	Sep '33	336	24		267	291	35,889	130	14,111	50,000	28%	
	Oct '33	337	17		267	284	35,628	130	14,241	49,869	29%	
	Nov '33	338	25		267	292	35,393	130	14,371	49,764	29%	
	Dec '33	339	64		267	331	35,281	90	14,461	49,742	29%	
	Jan '34	340	41		267	308	35,274	110	14,519	49,793	29%	
	Feb '34	341	49		267	316	35,196	100	14,619	49,815	29%	
	Mar '34	342	37		267	304	35,104	110	14,666	49,770	29%	
	Apr '34	343	20		267	287	35,116	130	14,711	49,826	30%	
	May '34	344	14		267	281	35,112	140	14,620	49,732	29%	
	Jun '34	345	8		267	275	35,120	140	14,556	49,676	29%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan for Hickory Basin



RWC Management Plan for RP3 Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	109	41	0	904	944	111,901	155	22,560	134,461	17%	HISTORICAL
	Aug '18	110	9	0	904	913	112,798	158	22,718	135,516	17%	
	Sep '18	111	7	0	904	911	113,693	198	22,916	136,609	17%	
	Oct '18	112	12	0	904	916	114,596	158	23,075	137,670	17%	
	Nov '18	113	4	0	904	908	115,477	188	23,262	138,739	17%	
	Dec '18	114	44	0	904	948	116,269	169	23,431	139,700	17%	
	Jan '19	115	97	0	904	1,001	117,258	69	23,499	140,757	17%	
	Feb '19	116	125	0	904	1,029	118,013	0	23,499	141,513	17%	
	Mar '19	117	37	0	904	941	118,907	0	23,499	142,406	17%	
	Apr '19	118	2	0	904	906	119,795	17	23,516	143,311	16%	
	May '19	119	21	0	904	924	120,713	0	23,516	144,229	16%	
	Jun '19	120	0	0	904	904	121,617	0	23,410	145,027	16%	
2019/20	Jul '19	121	3	0	904	907	122,501	330	23,656	146,157	16%	
	Aug '19	122	6	0	904	910	123,381	384	23,892	147,273	16%	
	Sep '19	123	6	0	904	910	124,255	426	24,098	148,353	16%	
	Oct '19	124	13	78	904	995	124,223	532	24,427	148,650	16%	
	Nov '19	125	69	148	904	1,120	124,340	671	24,811	149,151	17%	
	Dec '19	126	123	107	904	1,133	124,196	793	25,501	149,697	17%	
	Jan '20	127	7	46	904	957	123,723	365	25,790	149,513	17%	
	Feb '20	128	0	0	904	904	123,353	449	26,126	149,479	17%	
	Mar '20	129	193	0	904	1,096	123,442	613	26,527	149,968	18%	
	Apr '20	130	201	0	904	1,104	123,514	459	26,915	150,429	18%	
	May '20	131	1	0	904	905	123,466	298	26,941	150,407	18%	
	Jun '20	132	1	0	904	905	123,425	328	27,008	150,434	18%	
2020/21	Jul '20	133	3	0	904	906	123,421	354	27,133	150,554	18%	
	Aug '20	134	4	0	904	908	123,419	530	27,482	150,901	18%	
	Sep '20	135	7	0	904	910	123,401	732	28,166	151,566	19%	
	Oct '20	136	6	0	904	909	123,335	803	28,946	152,281	19%	
	Nov '20	137	8	0	904	911	123,197	801	29,554	152,751	19%	
	Dec '20	138	41	0	904	945	122,494	815	30,247	152,741	20%	
	Jan '21	139	171	0	904	1,075	122,430	481	30,625	153,055	20%	
	Feb '21	140	10	0	904	913	122,125	374	30,822	152,947	20%	
	Mar '21	141	103	0	904	1,007	121,814	352	31,048	152,862	20%	
	Apr '21	142	17	0	904	921	121,689	471	31,283	152,971	20%	
	May '21	143	23	0	904	927	121,351	499	31,605	152,956	21%	
	Jun '21	144	9	0	904	913	120,743	452	31,874	152,617	21%	
2021/22	Jul '21	145	40	0	904	944	119,916	379	31,999	151,915	21%	
	Aug '21	146	8	0	904	911	119,606	499	32,483	152,089	21%	
	Sep '21	147	4	0	904	907	118,995	589	33,042	152,037	22%	
	Oct '21	148	9	0	904	913	118,783	541	33,401	152,184	22%	
	Nov '21	149	5	0	904	908	118,666	558	33,862	152,528	22%	
	Dec '21	150	155	0	904	1,058	118,742	279	33,977	152,720	22%	
	Jan '22	151	11	0	904	915	118,649	387	34,273	152,922	22%	
	Feb '22	152	10	0	904	913	118,483	301	34,414	152,897	23%	
	Mar '22	153	49	0	904	953	118,310	251	34,571	152,881	23%	
	Apr '22	154	11	0	904	915	118,101	317	34,740	152,841	23%	
	May '22	155	9	0	904	913	118,049	303	34,668	152,717	23%	
	Jun '22	156	0	0	904	904	117,989	99	34,586	152,575	23%	
2022/23	Jul '22	157	1	0	904	905	117,940	298	34,872	152,812	23%	
	Aug '22	158	0	0	904	904	117,928	600	35,473	153,401	23%	
	Sep '22	159	2	0	904	906	117,926	732	36,204	154,130	23%	
	Oct '22	160	16	0	904	920	117,924	780	36,984	154,908	24%	
	Nov '22	161	54	0	904	957	117,877	725	37,555	155,431	24%	
	Dec '22	162	99	0	904	1,003	117,615	1,054	38,389	156,004	25%	
	Jan '23	163	381	0	904	1,285	117,849	505	38,541	156,390	25%	
	Feb '23	164	149	0	904	1,053	117,885	804	39,048	156,933	25%	
	Mar '23	165	381	0	904	1,285	118,188	269	39,042	157,230	25%	
	Apr '23	166	42	0	904	945	118,190	472	39,127	157,317	25%	
	May '23	167	6	69	904	979	118,211	787	39,653	157,864	25%	
	Jun '23	168	3	135	904	1,041	118,306	684	40,097	158,403	25%	

RWC Management Plan for RP3 Basins

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	169	0	176	904	1,080	118,410	683	40,706	159,116	26%	ACTUAL
	Aug '23	170	56	169	904	1,129	118,567	765	41,255	159,822	26%	
	Sep '23	171	0	0	904	904	118,509	839	41,741	160,250	26%	
	Oct '23	172	0	0	904	904	118,456	806	42,383	160,839	26%	
	Nov '23	173	0	0	904	904	118,396	489	42,868	161,265	27%	
	Dec '23	174	16	0	904	920	118,340	833	43,451	161,791	27%	
	Jan '24	175	130	0	904	1,034	118,341	379	43,758	162,099	27%	
	Feb '24	176	383	0	904	1,287	118,527	51	43,809	162,336	27%	
	Mar '24	177	226	0	904	1,130	118,490	105	43,914	162,404	27%	
	Apr '24	178	46	0	904	950	118,451	295	44,159	162,610	27%	
	May '24	179	47	20	904	971	118,515	456	44,615	163,129	27%	
	Jun '24	180	12	22	904	938	118,542	409	44,852	163,394	27%	
2024/25	Jul '24	181	7	0	904	911	118,540	441	45,109	163,649	28%	
	Aug '24	182	8	0	904	911	118,525	487	45,404	163,929	28%	
	Sep '24	183	3	28	904	934	118,516	1002	46,163	164,678	28%	
	Oct '24	184	0	23	904	927	118,514	601	46,429	164,943	28%	
	Nov '24	185	0	14	904	917	118,415	214	46,393	164,809	28%	
	Dec '24	186	0	0	904	904	117,996	148	46,535	164,531	28%	
	Jan '25	187	21	0	904	925	117,885	183	46,689	164,575	28%	
	Feb '25	188	0	0	904	904	117,790	89	46,536	164,326	28%	
	Mar '25	189	133		904	1,037	117,854	440	46,651	164,505	28%	PLANNED
	Apr '25	190	63		904	967	117,876	510	46,879	164,755	28%	
	May '25	191	32		904	936	117,787	540	47,071	164,858	29%	
	Jun '25	192	14		904	918	117,789	560	47,100	164,889	29%	
2025/26	Jul '25	193	28		904	932	117,683	540	47,372	165,055	29%	
	Aug '25	194	22		904	926	117,674	550	47,781	165,455	29%	
	Sep '25	195	26		904	930	117,577	540	48,102	165,679	29%	
	Oct '25	196	43		904	947	117,534	530	48,269	165,803	29%	
	Nov '25	197	56		904	960	117,536	510	48,551	166,087	29%	
	Dec '25	198	179		904	1,083	117,527	390	48,667	166,194	29%	
	Jan '26	199	165		904	1,069	117,453	410	48,687	166,140	29%	
	Feb '26	200	141		904	1,045	117,540	430	48,759	166,299	29%	
	Mar '26	201	133		904	1,037	117,465	440	49,025	166,490	29%	
	Apr '26	202	63		904	967	117,478	510	49,288	166,766	30%	
	May '26	203	32		904	936	117,462	540	49,453	166,915	30%	
	Jun '26	204	14		904	918	117,465	560	49,768	167,233	30%	
2026/27	Jul '26	205	28		904	932	117,475	540	50,209	167,684	30%	
	Aug '26	206	22		904	926	117,465	550	50,470	167,935	30%	
	Sep '26	207	26		904	930	117,482	540	50,459	167,941	30%	
	Oct '26	208	43		904	947	117,420	530	50,597	168,017	30%	
	Nov '26	209	56		904	960	117,411	510	50,419	167,830	30%	
	Dec '26	210	179		904	1,083	117,254	390	50,261	167,515	30%	
	Jan '27	211	165		904	1,069	116,831	410	50,240	167,071	30%	
	Feb '27	212	141		904	1,045	116,737	430	50,289	167,026	30%	
	Mar '27	213	133		904	1,037	116,859	440	49,969	166,828	30%	
	Apr '27	214	63		904	967	116,898	510	49,966	166,864	30%	
	May '27	215	32		904	936	116,925	540	49,851	166,776	30%	
	Jun '27	216	14		904	918	116,544	560	49,948	166,492	30%	
2027/28	Jul '27	217	28		904	932	116,322	540	50,263	166,584	30%	
	Aug '27	218	22		904	926	115,910	550	50,605	166,515	30%	
	Sep '27	219	26		904	930	115,721	540	50,922	166,643	31%	
	Oct '27	220	43		904	947	115,730	530	51,398	167,128	31%	
	Nov '27	221	56		904	960	115,786	510	51,878	167,663	31%	
	Dec '27	222	179		904	1,083	115,963	390	52,201	168,164	31%	
	Jan '28	223	165		904	1,069	116,037	410	52,544	168,580	31%	
	Feb '28	224	141		904	1,045	116,158	430	52,962	169,120	31%	
	Mar '28	225	133		904	1,037	116,188	440	53,392	169,580	31%	
	Apr '28	226	63		904	967	116,221	510	53,830	170,051	32%	
	May '28	227	32		904	936	116,238	540	54,300	170,538	32%	
	Jun '28	228	14		904	918	116,252	560	54,811	171,063	32%	
2028/29	Jul '28	229	28		904	932	116,239	540	55,196	171,435	32%	
	Aug '28	230	22		904	926	116,252	550	55,588	171,840	32%	
	Sep '28	231	26		904	930	116,271	540	55,930	172,201	32%	
	Oct '28	232	43		904	947	116,302	530	56,301	172,603	33%	
	Nov '28	233	56		904	960	116,354	510	56,624	172,977	33%	
	Dec '28	234	179		904	1,083	116,488	390	56,845	173,333	33%	
	Jan '29	235	165		904	1,069	116,556	410	57,187	173,743	33%	
	Feb '29	236	141		904	1,045	116,572	430	57,617	174,189	33%	
	Mar '29	237	133		904	1,037	116,669	440	58,057	174,725	33%	
	Apr '29	238	63		904	967	116,730	510	58,549	175,279	33%	
	May '29	239	32		904	936	116,741	540	59,089	175,831	34%	
	Jun '29	240	14		904	918	116,755	560	59,649	176,405	34%	

RWC Management Plan for RP3 Basins

(120-month averaging period)

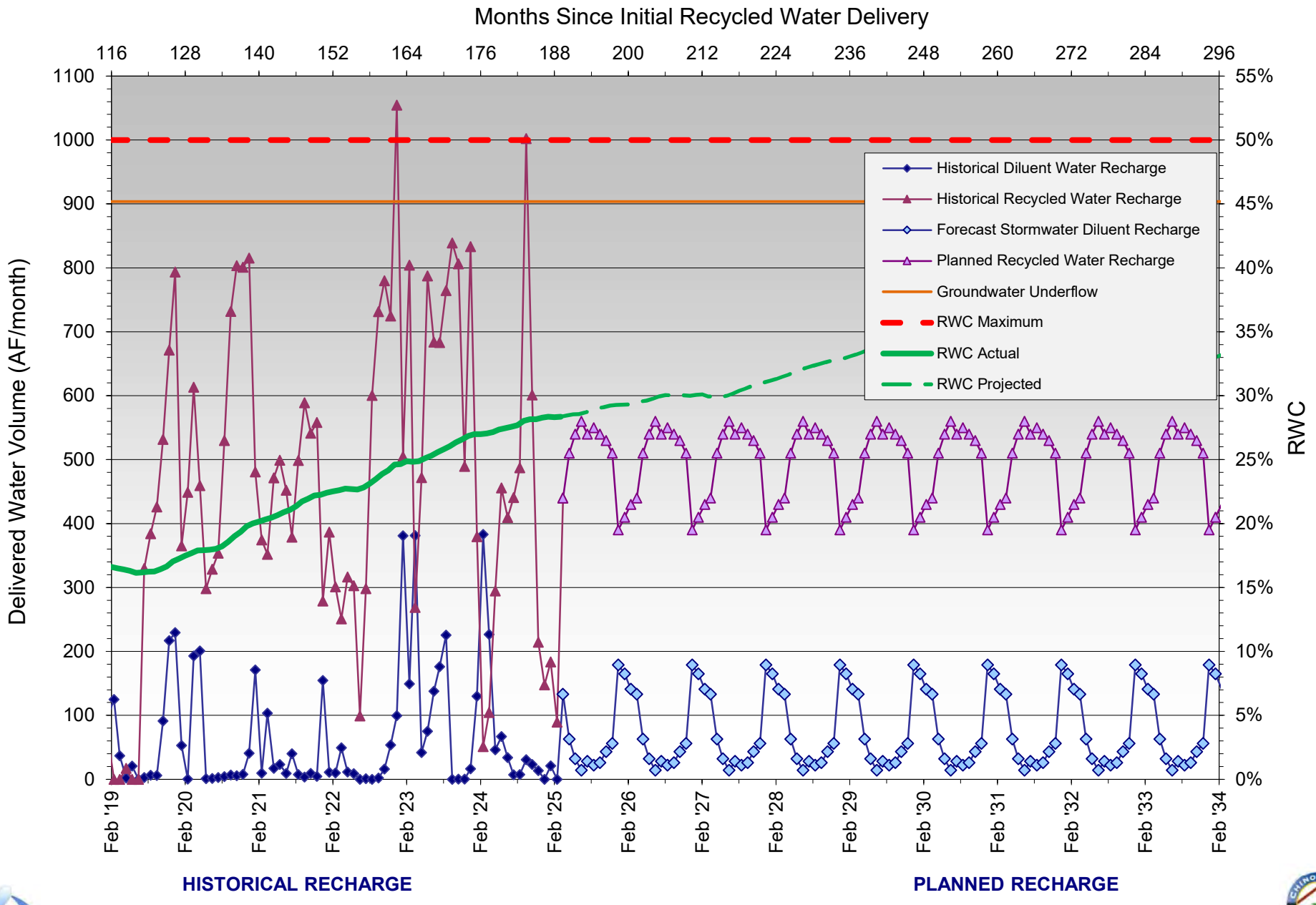
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	241	28		904	932	116,780	540	59,860	176,640	34%	PLANNED
	Aug '29	242	22		904	926	116,796	550	60,026	176,822	34%	
	Sep '29	243	26		904	930	116,816	540	60,140	176,956	34%	
	Oct '29	244	43		904	947	116,768	530	60,138	176,906	34%	
	Nov '29	245	56		904	960	116,607	510	59,977	176,584	34%	
	Dec '29	246	179		904	1,083	116,557	390	59,574	176,130	34%	
	Jan '30	247	165		904	1,069	116,669	410	59,618	176,287	34%	
	Feb '30	248	141		904	1,045	116,810	430	59,600	176,409	34%	
	Mar '30	249	133		904	1,037	116,750	440	59,426	176,176	34%	
	Apr '30	250	63		904	967	116,613	510	59,477	176,090	34%	
	May '30	251	32		904	936	116,644	540	59,719	176,363	34%	
	Jun '30	252	14		904	918	116,657	560	59,951	176,607	34%	
2030/31	Jul '30	253	28		904	932	116,682	540	60,137	176,819	34%	
	Aug '30	254	22		904	926	116,700	550	60,157	176,857	34%	
	Sep '30	255	26		904	930	116,719	540	59,965	176,684	34%	
	Oct '30	256	43		904	947	116,757	530	59,692	176,448	34%	
	Nov '30	257	56		904	960	116,805	510	59,401	176,206	34%	
	Dec '30	258	179		904	1,083	116,943	390	58,976	175,919	34%	
	Jan '31	259	165		904	1,069	116,937	410	58,905	175,842	33%	
	Feb '31	260	141		904	1,045	117,068	430	58,960	176,029	33%	
	Mar '31	261	133		904	1,037	117,098	440	59,049	176,147	34%	
	Apr '31	262	63		904	967	117,144	510	59,087	176,231	34%	
	May '31	263	32		904	936	117,153	540	59,128	176,282	34%	
	Jun '31	264	14		904	918	117,158	560	59,236	176,394	34%	
2031/32	Jul '31	265	28		904	932	117,146	540	59,398	176,543	34%	
	Aug '31	266	22		904	926	117,160	550	59,449	176,609	34%	
	Sep '31	267	26		904	930	117,183	540	59,400	176,583	34%	
	Oct '31	268	43		904	947	117,217	530	59,389	176,605	34%	
	Nov '31	269	56		904	960	117,268	510	59,340	176,609	34%	
	Dec '31	270	179		904	1,083	117,293	390	59,452	176,744	34%	
	Jan '32	271	165		904	1,069	117,447	410	59,475	176,922	34%	
	Feb '32	272	141		904	1,045	117,578	430	59,604	177,182	34%	
	Mar '32	273	133		904	1,037	117,662	440	59,793	177,455	34%	
	Apr '32	274	63		904	967	117,714	510	59,987	177,700	34%	
	May '32	275	32		904	936	117,737	540	60,224	177,961	34%	
	Jun '32	276	14		904	918	117,751	560	60,685	178,436	34%	
2032/33	Jul '32	277	28		904	932	117,778	540	60,927	178,705	34%	
	Aug '32	278	22		904	926	117,800	550	60,876	178,676	34%	
	Sep '32	279	26		904	930	117,824	540	60,685	178,509	34%	
	Oct '32	280	43		904	947	117,851	530	60,435	178,286	34%	
	Nov '32	281	56		904	960	117,853	510	60,220	178,073	34%	
	Dec '32	282	179		904	1,083	117,933	390	59,556	177,489	34%	
	Jan '33	283	165		904	1,069	117,717	410	59,461	177,178	34%	
	Feb '33	284	141		904	1,045	117,709	430	59,087	176,796	33%	
	Mar '33	285	133		904	1,037	117,460	440	59,258	176,719	34%	
	Apr '33	286	63		904	967	117,482	510	59,297	176,778	34%	
	May '33	287	32		904	936	117,439	540	59,049	176,488	33%	
	Jun '33	288	14		904	918	117,315	560	58,926	176,241	33%	
2033/34	Jul '33	289	28		904	932	117,167	540	58,782	175,950	33%	
	Aug '33	290	22		904	926	116,964	550	58,568	175,532	33%	
	Sep '33	291	26		904	930	116,990	540	58,269	175,259	33%	
	Oct '33	292	43		904	947	117,033	530	57,993	175,025	33%	
	Nov '33	293	56		904	960	117,089	510	58,013	175,102	33%	
	Dec '33	294	179		904	1,083	117,251	390	57,570	174,822	33%	
	Jan '34	295	165		904	1,069	117,287	410	57,601	174,887	33%	
	Feb '34	296	141		904	1,045	117,045	430	57,980	175,024	33%	
	Mar '34	297	133		904	1,037	116,951	440	58,315	175,267	33%	
	Apr '34	298	63		904	967	116,968	510	58,531	175,499	33%	
	May '34	299	32		904	936	116,933	540	58,615	175,548	33%	
	Jun '34	300	14		904	918	116,914	560	58,766	175,679	33%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan - RP3 Basin



RWC Management Plan for Declez Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	31	11	0	904	915	36,114	266	2,402	38,516	6%	HISTORICAL
	Aug '18	32	9	0	904	913	37,023	275	2,677	39,700	7%	
	Sep '18	33	11	0	904	915	37,931	258	2,935	40,866	7%	
	Oct '18	34	61	0	904	964	38,881	167	3,102	41,983	7%	
	Nov '18	35	170	0	904	1,074	39,882	57	3,160	43,042	7%	
	Dec '18	36	61	0	904	965	40,640	104	3,263	43,903	7%	
	Jan '19	37	113	0	904	1,016	41,630	46	3,309	44,939	7%	
	Feb '19	38	131	0	904	1,035	42,441	0	3,309	45,750	7%	
	Mar '19	39	75	0	904	978	43,368	74	3,383	46,751	7%	
	Apr '19	40	22	0	904	925	44,288	101	3,484	47,773	7%	
	May '19	41	63	0	904	967	45,249	97	3,581	48,831	7%	
	Jun '19	42	18	0	904	922	46,151	174	3,755	49,906	8%	
2019/20	Jul '19	43	16	0	904	920	47,050	97	3,852	50,901	8%	
	Aug '19	44	11	0	904	915	47,947	28	3,880	51,827	7%	
	Sep '19	45	12	0	904	916	48,857	25	3,905	52,762	7%	
	Oct '19	46	9	0	904	913	49,755	157	4,062	53,817	8%	
	Nov '19	47	136	0	904	1,040	50,757	86	4,147	54,904	8%	
	Dec '19	48	151	0	904	1,055	51,638	0	4,147	55,786	7%	
	Jan '20	49	9	0	904	913	52,478	71	4,218	56,696	7%	
	Feb '20	50	19	0	904	922	53,159	48	4,266	57,426	7%	
	Mar '20	51	163	0	904	1,067	54,172	26	4,293	58,464	7%	
	Apr '20	52	95	0	904	999	55,048	37	4,330	59,378	7%	
	May '20	53	12	0	904	915	55,958	76	4,405	60,363	7%	
	Jun '20	54	11	0	904	915	56,866	115	4,520	61,387	7%	
2020/21	Jul '20	55	4	0	904	908	57,771	116	4,636	62,407	7%	
	Aug '20	56	4	0	904	908	58,671	85	4,721	63,392	7%	
	Sep '20	57	3	0	904	907	59,575	114	4,835	64,411	8%	
	Oct '20	58	3	0	904	907	60,437	143	4,979	65,416	8%	
	Nov '20	59	47	0	904	951	61,293	100	5,079	66,372	8%	
	Dec '20	60	155	0	904	1,059	62,039	38	5,117	67,156	8%	
	Jan '21	61	152	0	904	1,056	63,043	1	5,118	68,161	8%	
	Feb '21	62	3	0	904	907	63,753	0	5,118	68,871	7%	
	Mar '21	63	137	0	904	1,041	64,656	3	5,121	69,777	7%	
	Apr '21	64	7	0	904	911	65,565	31	5,152	70,717	7%	
	May '21	65	5	0	904	909	66,460	146	5,298	71,758	7%	
	Jun '21	66	6	0	904	910	67,360	146	5,445	72,805	7%	
2021/22	Jul '21	67	52	0	904	956	68,235	71	5,516	73,751	7%	
	Aug '21	68	2	0	904	906	69,138	109	5,625	74,763	8%	
	Sep '21	69	3	0	904	906	70,038	138	5,762	75,800	8%	
	Oct '21	70	24	0	904	928	70,892	100	5,862	76,754	8%	
	Nov '21	71	7	0	904	911	71,683	50	5,913	77,596	8%	
	Dec '21	72	207	0	904	1,111	72,738	0	5,913	78,651	8%	
	Jan '22	73	4	0	904	907	73,559	4	5,852	79,411	7%	
	Feb '22	74	10	0	904	913	74,426	53	5,905	80,331	7%	
	Mar '22	75	205	0	904	1,109	75,351	82	5,987	81,338	7%	
	Apr '22	76	21	0	904	925	76,142	0	5,987	82,129	7%	
	May '22	77	5	0	904	909	77,044	71	6,058	83,102	7%	
	Jun '22	78	48	0	904	952	77,995	0	6,058	84,053	7%	
2022/23	Jul '22	79	4	0	904	908	78,902	0	6,058	84,960	7%	
	Aug '22	80	5	0	904	908	79,800	0	6,058	85,858	7%	
	Sep '22	81	17	0	904	921	80,706	0	6,058	86,764	7%	
	Oct '22	82	58	0	904	961	81,533	26	6,083	87,617	7%	
	Nov '22	83	128	0	904	1,032	82,544	2	6,085	88,629	7%	
	Dec '22	84	206	0	904	1,110	83,486	3	6,088	89,573	7%	
	Jan '23	85	86	0	904	990	84,428	0	6,088	90,516	7%	
	Feb '23	86	194	0	904	1,098	85,468	0	6,088	91,555	7%	
	Mar '23	87	176	0	904	1,080	86,487	0	6,088	92,574	7%	
	Apr '23	88	8	0	904	912	87,395	0	6,088	93,482	7%	
	May '23	89	78	0	904	982	88,371	69	6,156	94,527	7%	
	Jun '23	90	9	0	904	913	89,280	199	6,355	95,635	7%	

RWC Management Plan for Declez Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	91	3	0	904	907	90,180	51	6,407	96,587	7%	ACTUAL
	Aug '23	92	126	0	904	1,030	91,207	8	6,415	97,622	7%	
	Sep '23	93	13	0	904	917	92,122	115	6,530	98,652	7%	
	Oct '23	94	13	0	904	917	93,021	139	6,669	99,689	7%	
	Nov '23	95	59	0	904	962	93,931	78	6,746	100,677	7%	
	Dec '23	96	136	0	904	1,040	94,905	10	6,756	101,661	7%	
	Jan '24	97	149	0	904	1,053	95,856	0	6,756	102,612	7%	
	Feb '24	98	178	0	904	1,082	96,762	0	6,756	103,518	7%	
	Mar '24	99	191	0	904	1,095	97,684	18	6,774	104,458	6%	
	Apr '24	100	54	0	904	958	98,527	47	6,821	105,347	6%	
	May '24	101	5	0	904	909	99,435	0	6,821	106,255	6%	
	Jun '24	102	2	0	904	906	100,339	0	6,821	107,159	6%	
2024/25	Jul '24	103	2	0	904	905	101,242	0	6,821	108,063	6%	
	Aug '24	104	2	0	904	906	102,076	0	6,821	108,897	6%	
	Sep '24	105	8	0	904	912	102,958	162	6,982	109,940	6%	
	Oct '24	106	29	0	904	933	103,887	166	7,148	111,035	6%	
	Nov '24	107	7	0	904	911	104,698	181	7,329	112,027	7%	
	Dec '24	108	3	0	904	906	105,290	233	7,562	112,852	7%	
	Jan '25	109	57	0	904	961	106,204	159	7,721	113,925	7%	
	Feb '25	110	7	0	904	911	107,009	50	7,770	114,779	7%	
	Mar '25	111	81		904	985	107,978	80	7,850	115,829	7%	PLANNED
	Apr '25	112	58		904	962	108,899	140	7,990	116,890	7%	
	May '25	113	24		904	928	109,728	160	8,150	117,878	7%	
	Jun '25	114	7		904	911	110,636	180	8,330	118,966	7%	
2025/26	Jul '25	115	17		904	921	111,508	170	8,500	120,008	7%	
	Aug '25	116	13		904	917	112,421	170	8,670	121,092	7%	
	Sep '25	117	25		904	929	113,203	170	8,840	122,043	7%	
	Oct '25	118	46		904	949	114,116	150	8,990	123,107	7%	
	Nov '25	119	61		904	964	115,077	120	9,110	124,187	7%	
	Dec '25	120	147		904	1,050	115,175	50	9,110	124,285	7%	
	Jan '26	121	86		904	990	115,103	100	9,132	124,235	7%	
	Feb '26	122	117		904	1,021	115,186	90	9,069	124,255	7%	
	Mar '26	123	81		904	985	115,175	80	9,023	124,198	7%	
	Apr '26	124	58		904	962	115,213	140	9,030	124,243	7%	
	May '26	125	24		904	928	115,224	160	8,962	124,187	7%	
	Jun '26	126	7		904	911	115,228	180	8,941	124,170	7%	
2026/27	Jul '26	127	17		904	921	115,246	170	8,910	124,156	7%	
	Aug '26	128	13		904	917	115,259	170	8,819	124,078	7%	
	Sep '26	129	25		904	929	115,283	170	8,937	124,220	7%	
	Oct '26	130	46		904	949	115,281	150	9,087	124,369	7%	
	Nov '26	131	61		904	964	115,287	120	9,207	124,494	7%	
	Dec '26	132	147		904	1,050	115,217	50	9,257	124,474	7%	
	Jan '27	133	86		904	990	115,136	100	9,357	124,493	8%	
	Feb '27	134	117		904	1,021	115,183	90	9,447	124,630	8%	
	Mar '27	135	81		904	985	115,244	80	9,527	124,771	8%	
	Apr '27	136	58		904	962	115,299	140	9,667	124,966	8%	
	May '27	137	24		904	928	115,299	160	9,827	125,126	8%	
	Jun '27	138	7		904	911	115,204	180	10,007	125,211	8%	
2027/28	Jul '27	139	17		904	921	115,169	170	10,177	125,346	8%	
	Aug '27	140	13		904	917	115,112	170	10,347	125,459	8%	
	Sep '27	141	25		904	929	115,111	170	10,517	125,628	8%	
	Oct '27	142	46		904	949	115,084	150	10,667	125,751	8%	
	Nov '27	143	61		904	964	115,138	120	10,787	125,926	9%	
	Dec '27	144	147		904	1,050	115,279	50	10,837	126,116	9%	
	Jan '28	145	86		904	990	115,229	100	10,937	126,166	9%	
	Feb '28	146	117		904	1,021	115,297	90	11,027	126,325	9%	
	Mar '28	147	81		904	985	115,155	80	11,107	126,263	9%	
	Apr '28	148	58		904	962	115,195	140	11,192	126,387	9%	
	May '28	149	24		904	928	115,189	160	11,058	126,247	9%	
	Jun '28	150	7		904	911	115,179	180	10,999	126,179	9%	
2028/29	Jul '28	151	17		904	921	115,186	170	10,903	126,089	9%	
	Aug '28	152	13		904	917	115,189	170	10,798	125,987	9%	
	Sep '28	153	25		904	929	115,203	170	10,710	125,913	9%	
	Oct '28	154	46		904	949	115,188	150	10,693	125,881	8%	
	Nov '28	155	61		904	964	115,079	120	10,756	125,834	9%	
	Dec '28	156	147		904	1,050	115,164	50	10,702	125,867	9%	
	Jan '29	157	86		904	990	115,138	100	10,756	125,894	9%	
	Feb '29	158	117		904	1,021	115,124	90	10,846	125,970	9%	
	Mar '29	159	81		904	985	115,131	80	10,852	125,983	9%	
	Apr '29	160	58		904	962	115,167	140	10,891	126,058	9%	
	May '29	161	24		904	928	115,128	160	10,954	126,082	9%	
	Jun '29	162	7		904	911	115,117	180	10,960	126,077	9%	

RWC Management Plan for Declez Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	163	17		904	921	115,118	170	11,034	126,152	9%	PLANNED
	Aug '29	164	13		904	917	115,120	170	11,176	126,296	9%	
	Sep '29	165	25		904	929	115,133	170	11,321	126,454	9%	
	Oct '29	166	46		904	949	115,169	150	11,314	126,483	9%	
	Nov '29	167	61		904	964	115,093	120	11,348	126,442	9%	
	Dec '29	168	147		904	1,050	115,089	50	11,398	126,487	9%	
	Jan '30	169	86		904	990	115,166	100	11,428	126,594	9%	
	Feb '30	170	117		904	1,021	115,265	90	11,469	126,734	9%	
	Mar '30	171	81		904	985	115,182	80	11,523	126,705	9%	
	Apr '30	172	58		904	962	115,145	140	11,626	126,771	9%	
	May '30	173	24		904	928	115,157	160	11,710	126,868	9%	
	Jun '30	174	7		904	911	115,154	180	11,775	126,929	9%	
2030/31	Jul '30	175	17		904	921	115,167	170	11,830	126,997	9%	
	Aug '30	176	13		904	917	115,176	170	11,914	127,090	9%	
	Sep '30	177	25		904	929	115,198	170	11,970	127,168	9%	
	Oct '30	178	46		904	949	115,240	150	11,977	127,217	9%	
	Nov '30	179	61		904	964	115,254	120	11,997	127,251	9%	
	Dec '30	180	147		904	1,050	115,246	50	12,008	127,254	9%	
	Jan '31	181	86		904	990	115,180	100	12,107	127,287	10%	
	Feb '31	182	117		904	1,021	115,294	90	12,197	127,491	10%	
	Mar '31	183	81		904	985	115,238	80	12,275	127,512	10%	
	Apr '31	184	58		904	962	115,289	140	12,383	127,672	10%	
	May '31	185	24		904	928	115,307	160	12,397	127,704	10%	
	Jun '31	186	7		904	911	115,309	180	12,431	127,739	10%	
2031/32	Jul '31	187	17		904	921	115,274	170	12,530	127,804	10%	
	Aug '31	188	13		904	917	115,285	170	12,591	127,876	10%	
	Sep '31	189	25		904	929	115,307	170	12,623	127,930	10%	
	Oct '31	190	46		904	949	115,329	150	12,673	128,002	10%	
	Nov '31	191	61		904	964	115,382	120	12,743	128,125	10%	
	Dec '31	192	147		904	1,050	115,321	50	12,793	128,114	10%	
	Jan '32	193	86		904	990	115,404	100	12,888	128,293	10%	
	Feb '32	194	117		904	1,021	115,511	90	12,926	128,437	10%	
	Mar '32	195	81		904	985	115,387	80	12,923	128,311	10%	
	Apr '32	196	58		904	962	115,424	140	13,063	128,488	10%	
	May '32	197	24		904	928	115,443	160	13,153	128,596	10%	
	Jun '32	198	7		904	911	115,402	180	13,333	128,734	10%	
2032/33	Jul '32	199	17		904	921	115,415	170	13,503	128,918	10%	
	Aug '32	200	13		904	917	115,424	170	13,673	129,096	11%	
	Sep '32	201	25		904	929	115,432	170	13,843	129,274	11%	
	Oct '32	202	46		904	949	115,420	150	13,967	129,387	11%	
	Nov '32	203	61		904	964	115,353	120	14,085	129,438	11%	
	Dec '32	204	147		904	1,050	115,293	50	14,133	129,426	11%	
	Jan '33	205	86		904	990	115,293	100	14,233	129,526	11%	
	Feb '33	206	117		904	1,021	115,216	90	14,323	129,539	11%	
	Mar '33	207	81		904	985	115,120	80	14,403	129,523	11%	
	Apr '33	208	58		904	962	115,170	140	14,543	129,713	11%	
	May '33	209	24		904	928	115,115	160	14,634	129,750	11%	
	Jun '33	210	7		904	911	115,114	180	14,615	129,729	11%	
2033/34	Jul '33	211	17		904	921	115,128	170	14,734	129,862	11%	
	Aug '33	212	13		904	917	115,015	170	14,896	129,911	11%	
	Sep '33	213	25		904	929	115,027	170	14,951	129,977	12%	
	Oct '33	214	46		904	949	115,059	150	14,962	130,021	12%	
	Nov '33	215	61		904	964	115,061	120	15,004	130,066	12%	
	Dec '33	216	147		904	1,050	115,072	50	15,045	130,117	12%	
	Jan '34	217	86		904	990	115,009	100	15,145	130,154	12%	
	Feb '34	218	117		904	1,021	114,948	90	15,235	130,183	12%	
	Mar '34	219	81		904	985	114,838	80	15,297	130,135	12%	
	Apr '34	220	58		904	962	114,842	140	15,390	130,232	12%	
	May '34	221	24		904	928	114,861	160	15,550	130,411	12%	
	Jun '34	222	7		904	911	114,865	180	15,730	130,595	12%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.

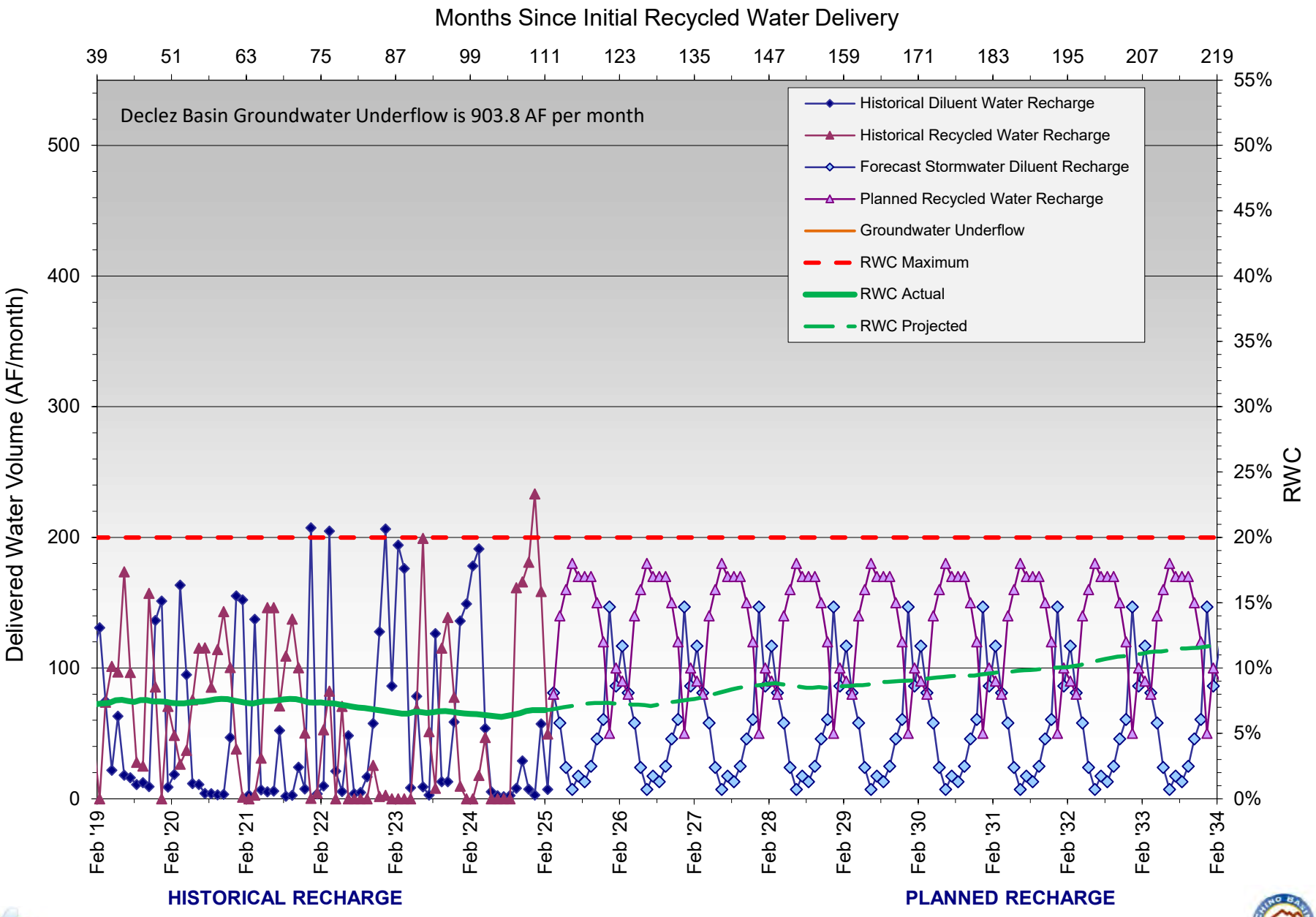
RW = Recycled Water

RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.

While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan - Declez Basin



RWC Management Plan for Turner Basin Cells 1 & 2

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	144	3	0	67	70	17,023	68	5,069	22,091	23%	HISTORICAL
	Aug '18	145	3	0	67	70	17,090	94	5,162	22,252	23%	
	Sep '18	146	7	0	67	74	17,038	20	5,183	22,220	23%	
	Oct '18	147	15	0	67	82	17,039	0	5,155	22,194	23%	
	Nov '18	148	59	0	67	126	17,084	0	5,125	22,209	23%	
	Dec '18	149	55	0	67	122	16,862	0	5,125	21,987	23%	
	Jan '19	150	179	0	67	246	17,080	0	5,125	22,204	23%	
	Feb '19	151	190	0	67	257	16,992	0	5,125	22,116	23%	
	Mar '19	152	114	0	67	181	17,126	0	5,125	22,251	23%	
	Apr '19	153	12	0	67	79	17,195	0	5,125	22,319	23%	
	May '19	154	134	0	67	201	17,378	0	5,095	22,472	23%	
	Jun '19	155	3	0	67	70	17,371	0	5,086	22,456	23%	
2019/20	Jul '19	156	4	0	67	72	17,410	0	5,086	22,496	23%	
	Aug '19	157	5	0	67	72	17,464	75	5,141	22,605	23%	
	Sep '19	158	5	0	67	72	17,508	16	5,139	22,647	23%	
	Oct '19	159	5	0	67	72	17,433	0	5,139	22,572	23%	
	Nov '19	160	91	0	67	159	17,475	0	5,139	22,614	23%	
	Dec '19	161	259	0	67	327	17,333	0	5,139	22,473	23%	
	Jan '20	162	17	0	67	85	17,057	0	5,139	22,196	23%	
	Feb '20	163	220	0	67	288	16,947	0	5,139	22,086	23%	
	Mar '20	164	192	0	67	259	17,105	0	5,139	22,244	23%	
	Apr '20	165	159	0	67	226	17,106	0	5,139	22,245	23%	
	May '20	166	9	0	67	77	17,077	0	5,139	22,216	23%	
	Jun '20	167	2	0	67	69	17,079	0	5,139	22,218	23%	
2020/21	Jul '20	168	0	0	67	67	17,056	0	5,139	22,195	23%	
	Aug '20	169	0	0	67	67	17,003	0	5,131	22,134	23%	
	Sep '20	170	0	0	67	67	16,946	0	5,131	22,077	23%	
	Oct '20	171	1	12	67	80	16,868	5	5,136	22,004	23%	
	Nov '20	172	5	118	67	191	16,826	0	5,136	21,963	23%	
	Dec '20	173	72	7	67	146	16,540	0	5,136	21,676	24%	
	Jan '21	174	189	25	67	281	16,563	0	5,136	21,700	24%	
	Feb '21	175	12	75	67	155	16,418	0	5,136	21,554	24%	
	Mar '21	176	103	0.0	67	170	16,257	0	5,136	21,393	24%	
	Apr '21	177	24	0.0	67	91	15,948	0	5,136	21,084	24%	
	May '21	178	62	0.0	67	129	15,828	0	5,136	20,965	24%	
	Jun '21	179	136	2	67	205	15,876	0	5,136	21,013	24%	
2021/22	Jul '21	180	38	104	67	208	16,002	0	5,136	21,138	24%	
	Aug '21	181	20	66	67	154	16,066	0	5,136	21,202	24%	
	Sep '21	182	51	32	67	149	16,146	1	5,137	21,283	24%	
	Oct '21	183	30	26	67	124	16,203	0	5,137	21,340	24%	
	Nov '21	184	28	33	67	128	16,182	0	5,096	21,279	24%	
	Dec '21	185	383	13	67	463	16,490	0	5,036	21,526	23%	
	Jan '22	186	24	0	67	91	16,368	0	5,007	21,375	23%	
	Feb '22	187	31	0	67	98	16,178	0	5,007	21,185	24%	
	Mar '22	188	97	0	67	164	15,980	0	5,007	20,987	24%	
	Apr '22	189	31	0	67	98	15,753	0	5,007	20,760	24%	
	May '22	190	6	0	67	73	15,744	0	5,007	20,752	24%	
	Jun '22	191	22	0	67	90	15,747	0	5,007	20,754	24%	
2022/23	Jul '22	192	9	0	67	77	15,673	19	5,027	20,700	24%	
	Aug '22	193	11	0	67	79	15,648	1	5,027	20,675	24%	
	Sep '22	194	22	0	67	89	15,639	0	5,027	20,666	24%	
	Oct '22	195	78	0	67	146	15,657	16	5,044	20,700	24%	
	Nov '22	196	130	0	67	198	15,726	0	5,044	20,770	24%	
	Dec '22	197	191	0	67	259	15,627	0	5,044	20,671	24%	
	Jan '23	198	205	0	67	272	15,683	0	5,044	20,727	24%	
	Feb '23	199	106	58	67	231	15,731	0	5,018	20,749	24%	
	Mar '23	200	247	52	67	366	15,982	0	4,997	20,979	24%	
	Apr '23	201	11	79	67	157	16,072	0	4,997	21,069	24%	
	May '23	202	16	74	67	157	16,163	0	4,997	21,159	24%	
	Jun '23	203	8	30	67	105	16,200	0	4,997	21,197	24%	

RWC Management Plan for Turner Basin Cells 1 & 2

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	204	8	103	67	178	16,311	0	4,997	21,308	23%	ACTUAL
	Aug '23	205	51	62	67	180	16,424	0	4,997	21,421	23%	
	Sep '23	206	34	97	67	199	16,556	0	4,997	21,552	23%	
	Oct '23	207	24	101	67	191	16,680	0	4,997	21,677	23%	
	Nov '23	208	41	100	67	208	16,820	0	4,997	21,817	23%	
	Dec '23	209	93	20	67	180	16,861	0	4,823	21,684	22%	
	Jan '24	210	83	0	67	150	16,899	55	4,775	21,674	22%	
	Feb '24	211	160	0	67	227	16,965	54	4,759	21,724	22%	
	Mar '24	212	228	0	67	295	17,130	38	4,777	21,907	22%	
	Apr '24	213	69	0	67	136	17,137	91	4,763	21,901	22%	
	May '24	214	3	0	67	70	17,119	156	4,783	21,903	22%	
	Jun '24	215	4	0	67	71	17,101	148	4,899	22,000	22%	
2024/25	Jul '24	216	1	0	67	69	17,102	72	4,971	22,073	23%	
	Aug '24	217	5	0	67	72	17,031	112	4,879	21,910	22%	
	Sep '24	218	7	0	67	74	16,984	54	4,804	21,788	22%	
	Oct '24	219	7	0	67	74	16,952	56	4,797	21,748	22%	
	Nov '24	220	6	0	67	73	16,850	82	4,821	21,670	22%	
	Dec '24	221	1	0	67	68	16,595	158	4,976	21,572	23%	
	Jan '25	222	35	0	67	102	16,513	82	5,058	21,571	23%	
	Feb '25	223	2	0	67	69	16,422	38	5,037	21,458	23%	
	Mar '25	224	139		67	206	16,509	75	4,969	21,477	23%	PLANNED
	Apr '25	225	83		67	150	16,592	75	5,044	21,635	23%	
	May '25	226	42		67	109	16,634	75	5,119	21,752	24%	
	Jun '25	227	22		67	89	16,656	75	5,194	21,849	24%	
2025/26	Jul '25	228	12		67	79	16,668	75	5,269	21,936	24%	
	Aug '25	229	20		67	87	16,687	75	5,344	22,030	24%	
	Sep '25	230	37		67	104	16,604	75	5,274	21,877	24%	
	Oct '25	231	44		67	111	16,550	75	5,111	21,660	24%	
	Nov '25	232	69		67	136	16,574	0	5,032	21,605	23%	
	Dec '25	233	195		67	262	16,664	0	4,808	21,471	22%	
	Jan '26	234	144		67	211	16,539	0	4,706	21,244	22%	
	Feb '26	235	146		67	213	16,634	0	4,508	21,141	21%	
	Mar '26	236	139		67	206	16,608	0	4,347	20,954	21%	
	Apr '26	237	83		67	150	16,672	75	4,294	20,965	20%	
	May '26	238	42		67	109	16,676	75	4,213	20,888	20%	
	Jun '26	239	22		67	89	16,693	75	4,129	20,821	20%	
2026/27	Jul '26	240	12		67	79	16,701	75	4,115	20,815	20%	
	Aug '26	241	20		67	87	16,699	75	4,138	20,836	20%	
	Sep '26	242	37		67	104	16,718	75	4,173	20,890	20%	
	Oct '26	243	44		67	111	16,724	75	4,144	20,867	20%	
	Nov '26	244	69		67	136	16,709	0	4,132	20,840	20%	
	Dec '26	245	195		67	262	16,665	0	4,061	20,725	20%	
	Jan '27	246	144		67	211	16,576	0	4,061	20,636	20%	
	Feb '27	247	146		67	213	16,592	0	3,995	20,586	19%	
	Mar '27	248	139		67	206	16,717	0	3,856	20,572	19%	
	Apr '27	249	83		67	150	16,791	75	3,821	20,611	19%	
	May '27	250	42		67	109	16,827	75	3,840	20,666	19%	
	Jun '27	251	22		67	89	16,846	75	3,825	20,670	19%	
2027/28	Jul '27	252	12		67	79	16,855	75	3,744	20,598	18%	
	Aug '27	253	20		67	87	16,872	75	3,776	20,647	18%	
	Sep '27	254	37		67	104	16,907	75	3,781	20,687	18%	
	Oct '27	255	44		67	111	16,947	75	3,622	20,569	18%	
	Nov '27	256	69		67	136	17,013	0	3,475	20,488	17%	
	Dec '27	257	195		67	262	17,208	0	3,319	20,527	16%	
	Jan '28	258	144		67	211	17,315	0	3,293	20,607	16%	
	Feb '28	259	146		67	213	17,441	0	3,293	20,734	16%	
	Mar '28	260	139		67	206	17,373	0	3,278	20,650	16%	
	Apr '28	261	83		67	150	17,450	75	3,319	20,769	16%	
	May '28	262	42		67	109	17,486	75	3,394	20,881	16%	
	Jun '28	263	22		67	89	17,506	75	3,386	20,892	16%	
2028/29	Jul '28	264	12		67	79	17,515	75	3,393	20,908	16%	
	Aug '28	265	20		67	87	17,532	75	3,375	20,907	16%	
	Sep '28	266	37		67	104	17,562	75	3,429	20,991	16%	
	Oct '28	267	44		67	111	17,592	75	3,504	21,096	17%	
	Nov '28	268	69		67	136	17,602	0	3,504	21,106	17%	
	Dec '28	269	195		67	262	17,742	0	3,504	21,246	16%	
	Jan '29	270	144		67	211	17,707	0	3,504	21,211	17%	
	Feb '29	271	146		67	213	17,663	0	3,504	21,167	17%	
	Mar '29	272	139		67	206	17,688	0	3,504	21,192	17%	
	Apr '29	273	83		67	150	17,759	75	3,579	21,338	17%	
	May '29	274	42		67	109	17,667	75	3,654	21,321	17%	
	Jun '29	275	22		67	89	17,686	75	3,729	21,415	17%	

RWC Management Plan for Turner Basin Cells 1 & 2

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

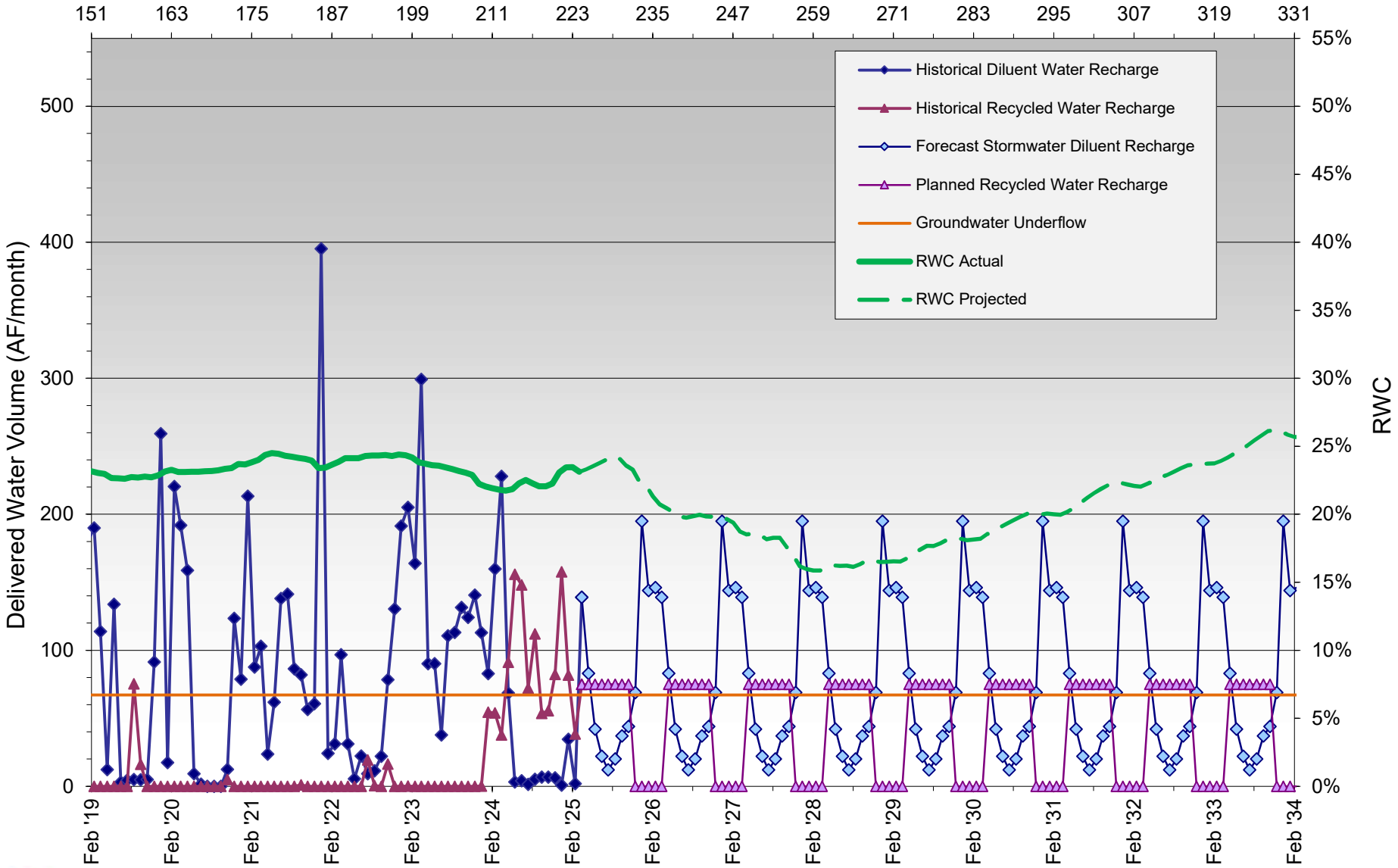
Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	276	12		67	79	17,694	75	3,804	21,498	18%	PLANNED
	Aug '29	277	20		67	87	17,709	75	3,804	21,513	18%	
	Sep '29	278	37		67	104	17,741	75	3,862	21,604	18%	
	Oct '29	279	44		67	111	17,780	75	3,937	21,718	18%	
	Nov '29	280	69		67	136	17,758	0	3,937	21,695	18%	
	Dec '29	281	195		67	262	17,694	0	3,937	21,631	18%	
	Jan '30	282	144		67	211	17,820	0	3,937	21,758	18%	
	Feb '30	283	146		67	213	17,746	0	3,937	21,683	18%	
	Mar '30	284	139		67	206	17,693	0	3,937	21,630	18%	
	Apr '30	285	83		67	150	17,617	75	4,012	21,630	19%	
	May '30	286	42		67	109	17,650	75	4,087	21,737	19%	
	Jun '30	287	22		67	89	17,670	75	4,162	21,833	19%	
2030/31	Jul '30	288	12		67	79	17,682	75	4,237	21,920	19%	
	Aug '30	289	20		67	87	17,702	75	4,312	22,015	20%	
	Sep '30	290	37		67	104	17,739	75	4,387	22,127	20%	
	Oct '30	291	44		67	111	17,771	75	4,457	22,228	20%	
	Nov '30	292	69		67	136	17,717	0	4,457	22,174	20%	
	Dec '30	293	195		67	262	17,833	0	4,457	22,290	20%	
	Jan '31	294	144		67	211	17,764	0	4,457	22,221	20%	
	Feb '31	295	146		67	213	17,822	0	4,457	22,279	20%	
	Mar '31	296	139		67	206	17,858	0	4,457	22,315	20%	
	Apr '31	297	83		67	150	17,917	75	4,532	22,450	20%	
	May '31	298	42		67	109	17,898	75	4,607	22,505	20%	
	Jun '31	299	22		67	89	17,782	75	4,682	22,464	21%	
2031/32	Jul '31	300	12		67	79	17,652	75	4,757	22,410	21%	
	Aug '31	301	20		67	87	17,586	75	4,832	22,418	22%	
	Sep '31	302	37		67	104	17,541	75	4,906	22,447	22%	
	Oct '31	303	44		67	111	17,528	75	4,981	22,510	22%	
	Nov '31	304	69		67	136	17,537	0	4,981	22,518	22%	
	Dec '31	305	195		67	262	17,336	0	4,981	22,318	22%	
	Jan '32	306	144		67	211	17,456	0	4,981	22,438	22%	
	Feb '32	307	146		67	213	17,571	0	4,981	22,552	22%	
	Mar '32	308	139		67	206	17,613	0	4,981	22,595	22%	
	Apr '32	309	83		67	150	17,665	75	5,056	22,722	22%	
	May '32	310	42		67	109	17,702	75	5,131	22,833	22%	
	Jun '32	311	22		67	89	17,701	75	5,206	22,908	23%	
2032/33	Jul '32	312	12		67	79	17,704	75	5,262	22,966	23%	
	Aug '32	313	20		67	87	17,713	75	5,337	23,049	23%	
	Sep '32	314	37		67	104	17,728	75	5,412	23,139	23%	
	Oct '32	315	44		67	111	17,693	75	5,470	23,163	24%	
	Nov '32	316	69		67	136	17,632	0	5,470	23,102	24%	
	Dec '32	317	195		67	262	17,636	0	5,470	23,106	24%	
	Jan '33	318	144		67	211	17,575	0	5,470	23,045	24%	
	Feb '33	319	146		67	213	17,557	0	5,470	23,027	24%	
	Mar '33	320	139		67	206	17,397	0	5,470	22,867	24%	
	Apr '33	321	83		67	150	17,390	75	5,545	22,934	24%	
	May '33	322	42		67	109	17,341	75	5,620	22,961	24%	
	Jun '33	323	22		67	89	17,326	75	5,695	23,021	25%	
2033/34	Jul '33	324	12		67	79	17,227	75	5,770	22,997	25%	
	Aug '33	325	20		67	87	17,134	75	5,845	22,979	25%	
	Sep '33	326	37		67	104	17,039	75	5,920	22,959	26%	
	Oct '33	327	44		67	111	16,959	75	5,995	22,954	26%	
	Nov '33	328	69		67	136	16,888	0	5,995	22,883	26%	
	Dec '33	329	195		67	262	16,970	0	5,995	22,965	26%	
	Jan '34	330	144		67	211	17,031	0	5,940	22,971	26%	
	Feb '34	331	146		67	213	17,017	0	5,886	22,903	26%	
	Mar '34	332	139		67	206	16,928	0	5,849	22,777	26%	
	Apr '34	333	83		67	150	16,943	75	5,832	22,775	26%	
	May '34	334	42		67	109	16,982	75	5,751	22,733	25%	
	Jun '34	335	22		67	89	16,999	75	5,678	22,678	25%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan for Turner Basin Cells 1 & 2

Months Since Initial Recycled Water Delivery



RWC Management Plan for Turner Basin Cells 3 & 4

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	144	13	0	60	73	12,415	25	4,087	16,503	25%	HISTORICAL
	Aug '18	145	6	0	60	66	12,476	65	4,152	16,628	25%	
	Sep '18	146	9	0	60	69	12,531	88	4,240	16,771	25%	
	Oct '18	147	28	0	60	88	12,582	87	4,261	16,843	25%	
	Nov '18	148	31	0	60	91	12,637	59	4,312	16,949	25%	
	Dec '18	149	90	0	60	150	12,737	20	4,332	17,069	25%	
	Jan '19	150	154	0	60	214	12,941	0	4,332	17,273	25%	
	Feb '19	151	189	0	60	249	13,121	0	4,332	17,454	25%	
	Mar '19	152	51	0	60	111	13,222	0	4,332	17,555	25%	
	Apr '19	153	5	0	60	65	13,285	0	4,332	17,618	25%	
	May '19	154	12	0	60	71	13,355	0	4,332	17,688	24%	
	Jun '19	155	3	0	60	63	13,418	0	4,332	17,751	24%	
2019/2020	Jul '19	156	0	0	60	60	13,478	0	4,332	17,810	24%	
	Aug '19	157	0	0	60	60	13,538	32	4,364	17,902	24%	
	Sep '19	158	0	0	60	60	13,597	32	4,397	17,994	24%	
	Oct '19	159	0	0	60	60	13,597	0	4,397	17,994	24%	
	Nov '19	160	161	0	60	221	13,756	35	4,432	18,188	24%	
	Dec '19	161	63	0	60	122	13,720	0	4,369	18,089	24%	
	Jan '20	162	22	0	60	82	13,557	0	4,242	17,799	24%	
	Feb '20	163	32	0	60	92	13,414	0	4,242	17,656	24%	
	Mar '20	164	104	0	60	163	13,404	0	4,198	17,602	24%	
	Apr '20	165	85	0	60	145	13,406	0	4,183	17,589	24%	
	May '20	166	13	0	60	73	13,393	0	4,113	17,506	23%	
	Jun '20	167	0	0	60	60	13,318	0	4,073	17,391	23%	
2020/21	Jul '20	168	0	0	60	60	13,223	0	4,067	17,290	24%	
	Aug '20	169	0	0	60	60	13,139	0	4,045	17,184	24%	
	Sep '20	170	0	0	60	60	13,085	0	4,028	17,113	24%	
	Oct '20	171	1	0	60	60	13,030	6	4,034	17,064	24%	
	Nov '20	172	7	0	60	67	12,998	162	4,195	17,193	24%	
	Dec '20	173	35	0	60	95	12,872	129	4,324	17,196	25%	
	Jan '21	174	107	0	60	166	12,978	45	4,368	17,346	25%	
	Feb '21	175	12	0	60	72	12,940	87	4,455	17,395	26%	
	Mar '21	176	103	0	60	163	12,994	54	4,509	17,502	26%	
	Apr '21	177	4	0	60	63	12,997	28	4,537	17,534	26%	
	May '21	178	5	0	60	65	13,003	47	4,584	17,587	26%	
	Jun '21	179	0	0	60	60	13,003	3	4,587	17,590	26%	
2021/22	Jul '21	180	3	0	60	63	13,005	0	4,587	17,593	26%	
	Aug '21	181	0	0	60	60	12,948	0	4,580	17,528	26%	
	Sep '21	182	3	0	60	62	12,765	18	4,413	17,178	26%	
	Oct '21	183	9	0	60	68	12,711	202	4,392	17,102	26%	
	Nov '21	184	17	0	60	76	12,661	135	4,430	17,092	26%	
	Dec '21	185	242	0	60	302	12,835	33	4,411	17,246	26%	
	Jan '22	186	25	0	60	85	12,774	64	4,403	17,177	26%	
	Feb '22	187	24	0	60	83	12,688	38	4,344	17,033	26%	
	Mar '22	188	69	0	60	129	12,631	36	4,345	16,977	26%	
	Apr '22	189	17	0	60	77	12,560	18	4,349	16,909	26%	
	May '22	190	8	0	60	68	12,529	64	4,357	16,886	26%	
	Jun '22	191	15	0	60	75	12,519	44	4,336	16,854	26%	
2022/23	Jul '22	192	16	0	60	76	12,510	47	4,332	16,842	26%	
	Aug '22	193	17	0	60	77	12,491	60	4,357	16,848	26%	
	Sep '22	194	60	0	60	120	12,520	0	4,333	16,853	26%	
	Oct '22	195	6	0	60	65	12,504	0	4,324	16,827	26%	
	Nov '22	196	102	0	60	162	12,576	0	4,319	16,894	26%	
	Dec '22	197	98	0	60	158	12,627	0	4,314	16,940	25%	
	Jan '23	198	155	0	60	215	12,767	0	4,314	17,080	25%	
	Feb '23	199	29	0	60	89	12,771	0	4,314	17,084	25%	
	Mar '23	200	28	0	60	88	12,784	0	4,314	17,098	25%	
	Apr '23	201	0	0	60	60	12,784	0	4,314	17,098	25%	
	May '23	202	2	0	60	62	12,787	0	4,314	17,100	25%	
	Jun '23	203	0	0	60	60	12,787	0	4,314	17,100	25%	

RWC Management Plan for Turner Basin Cells 3 & 4

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	204	12	0	60	72	12,799	0	4,314	17,112	25%	ACTUAL
	Aug '23	205	34	0	60	94	12,833	0	4,314	17,147	25%	
	Sep '23	206	47	0	60	107	12,857	0	4,207	17,063	25%	
	Oct '23	207	39	0	60	99	12,876	0	4,090	16,965	24%	
	Nov '23	208	78	0	60	137	12,936	0	4,001	16,937	24%	
	Dec '23	209	57	0	60	117	12,988	0	3,916	16,904	23%	
	Jan '24	210	57	0	60	117	13,029	0	3,777	16,806	22%	
	Feb '24	211	199	0	60	259	13,166	0	3,657	16,823	22%	
	Mar '24	212	44	0	60	104	13,160	0	3,610	16,770	22%	
	Apr '24	213	23	0	60	83	13,183	0	3,610	16,793	21%	
	May '24	214	8	0	60	67	13,168	0	3,442	16,609	21%	
	Jun '24	215	9	0	60	69	13,165	0	3,388	16,552	20%	
2024/25	Jul '24	216	12	0	60	71	13,166	0	3,388	16,553	20%	
	Aug '24	217	9	0	60	69	13,175	0	3,388	16,563	20%	
	Sep '24	218	7	0	60	66	13,182	56	3,443	16,625	21%	
	Oct '24	219	32	0	60	91	13,213	181	3,625	16,838	22%	
	Nov '24	220	72	0	60	132	13,285	118	3,742	17,028	22%	
	Dec '24	221	20	0	60	79	12,957	211	3,953	16,910	23%	
	Jan '25	222	54	0	60	114	13,007	189	4,142	17,149	24%	
	Feb '25	223	19	0	60	79	12,961	56	4,146	17,107	24%	
	Mar '25	224	69		60	129	12,959	50	4,041	17,000	24%	PLANNED
	Apr '25	225	34		60	94	12,954	90	4,131	17,085	24%	
	May '25	226	17		60	77	12,971	100	4,231	17,202	25%	
	Jun '25	227	14		60	74	12,983	110	4,260	17,243	25%	
2025/26	Jul '25	228	16		60	76	12,912	100	4,275	17,187	25%	
	Aug '25	229	13		60	73	12,910	110	4,222	17,132	25%	
	Sep '25	230	20		60	80	12,856	100	4,271	17,127	25%	
	Oct '25	231	24		60	84	12,816	100	4,306	17,122	25%	
	Nov '25	232	42		60	102	12,814	80	4,383	17,197	25%	
	Dec '25	233	108		60	168	12,778	10	4,392	17,170	26%	
	Jan '26	234	89		60	149	12,785	30	4,422	17,207	26%	
	Feb '26	235	82		60	142	12,826	40	4,462	17,288	26%	
	Mar '26	236	69		60	129	12,848	50	4,512	17,360	26%	
	Apr '26	237	34		60	94	12,833	90	4,602	17,435	26%	
	May '26	238	17		60	77	12,817	100	4,702	17,519	27%	
	Jun '26	239	14		60	74	12,811	110	4,812	17,623	27%	
2026/27	Jul '26	240	16		60	76	12,812	100	4,912	17,724	28%	
	Aug '26	241	13		60	73	12,824	110	5,022	17,846	28%	
	Sep '26	242	20		60	80	12,844	100	5,122	17,966	29%	
	Oct '26	243	24		60	84	12,867	100	5,222	18,089	29%	
	Nov '26	244	42		60	102	12,909	80	5,302	18,211	29%	
	Dec '26	245	108		60	168	12,701	10	5,312	18,013	29%	
	Jan '27	246	89		60	149	12,492	30	5,342	17,834	30%	
	Feb '27	247	82		60	142	12,403	40	5,374	17,777	30%	
	Mar '27	248	69		60	129	12,438	50	5,259	17,697	30%	
	Apr '27	249	34		60	94	12,449	90	5,250	17,699	30%	
	May '27	250	17		60	77	12,450	100	5,225	17,675	30%	
	Jun '27	251	14		60	74	12,182	110	5,325	17,507	30%	
2027/28	Jul '27	252	16		60	76	11,969	100	5,425	17,393	31%	
	Aug '27	253	13		60	73	11,881	110	5,522	17,403	32%	
	Sep '27	254	20		60	80	11,885	100	5,571	17,456	32%	
	Oct '27	255	24		60	84	11,909	100	5,666	17,575	32%	
	Nov '27	256	42		60	102	11,947	80	5,746	17,693	32%	
	Dec '27	257	108		60	168	12,053	10	5,756	17,809	32%	
	Jan '28	258	89		60	149	12,027	30	5,786	17,813	32%	
	Feb '28	259	82		60	142	12,034	40	5,813	17,847	33%	
	Mar '28	260	69		60	129	11,996	50	5,825	17,820	33%	
	Apr '28	261	34		60	94	12,026	90	5,776	17,802	32%	
	May '28	262	17		60	77	12,008	100	5,711	17,719	32%	
	Jun '28	263	14		60	74	12,008	110	5,683	17,691	32%	
2028/29	Jul '28	264	16		60	76	12,011	100	5,758	17,769	32%	
	Aug '28	265	13		60	73	12,018	110	5,804	17,821	33%	
	Sep '28	266	20		60	80	12,029	100	5,815	17,844	33%	
	Oct '28	267	24		60	84	12,025	100	5,829	17,853	33%	
	Nov '28	268	42		60	102	12,035	80	5,850	17,885	33%	
	Dec '28	269	108		60	168	12,053	10	5,839	17,892	33%	
	Jan '29	270	89		60	149	11,988	30	5,869	17,857	33%	
	Feb '29	271	82		60	142	11,881	40	5,909	17,791	33%	
	Mar '29	272	69		60	129	11,899	50	5,959	17,858	33%	
	Apr '29	273	34		60	94	11,928	90	6,049	17,977	34%	
	May '29	274	17		60	77	11,934	100	6,149	18,083	34%	
	Jun '29	275	14		60	74	11,945	110	6,259	18,204	34%	

RWC Management Plan for Turner Basin Cells 3 & 4

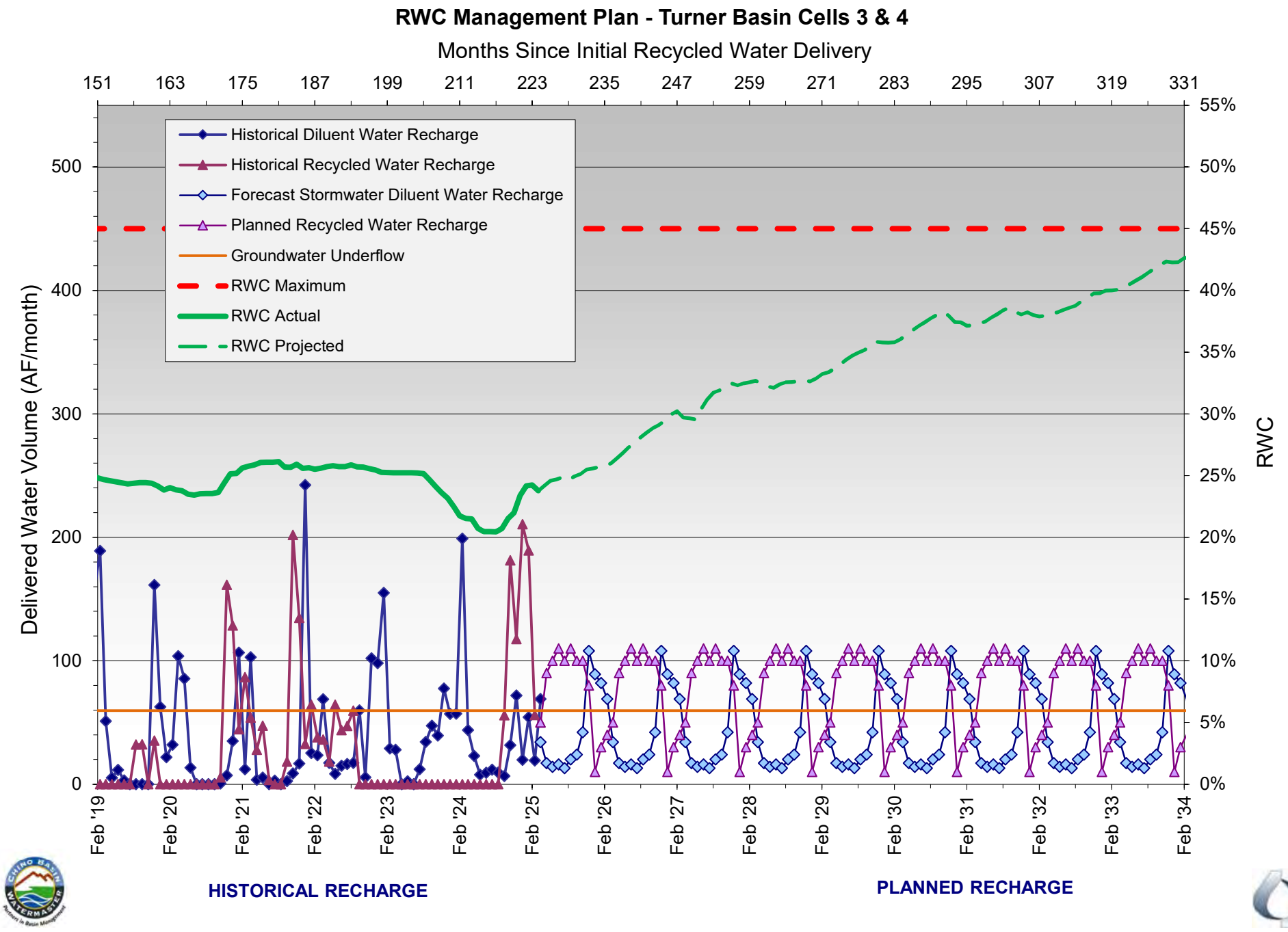
(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	276	16		60	76	11,961	100	6,359	18,320	35%	PLANNED
	Aug '29	277	13		60	73	11,974	110	6,437	18,411	35%	
	Sep '29	278	20		60	80	11,994	100	6,505	18,498	35%	
	Oct '29	279	24		60	84	12,018	100	6,605	18,622	35%	
	Nov '29	280	42		60	102	11,898	80	6,650	18,548	36%	
	Dec '29	281	108		60	168	11,944	10	6,660	18,603	36%	
	Jan '30	282	89		60	149	12,011	30	6,690	18,700	36%	
	Feb '30	283	82		60	142	12,061	40	6,730	18,790	36%	
	Mar '30	284	69		60	129	12,026	50	6,780	18,806	36%	
	Apr '30	285	34		60	94	11,975	90	6,870	18,844	36%	
	May '30	286	17		60	77	11,978	100	6,970	18,948	37%	
	Jun '30	287	14		60	74	11,992	110	7,080	19,072	37%	
2030/31	Jul '30	288	16		60	76	12,008	100	7,180	19,188	37%	
	Aug '30	289	13		60	73	12,021	110	7,290	19,311	38%	
	Sep '30	290	20		60	80	12,041	100	7,390	19,431	38%	
	Oct '30	291	24		60	84	12,065	100	7,484	19,549	38%	
	Nov '30	292	42		60	102	12,100	80	7,402	19,502	38%	
	Dec '30	293	108		60	168	12,173	10	7,284	19,457	37%	
	Jan '31	294	89		60	149	12,155	30	7,269	19,425	37%	
	Feb '31	295	82		60	142	12,225	40	7,223	19,448	37%	
	Mar '31	296	69		60	129	12,191	50	7,219	19,410	37%	
	Apr '31	297	34		60	94	12,222	90	7,281	19,503	37%	
	May '31	298	17		60	77	12,233	100	7,334	19,567	37%	
	Jun '31	299	14		60	74	12,247	110	7,440	19,688	38%	
2031/32	Jul '31	300	16		60	76	12,261	100	7,540	19,801	38%	
	Aug '31	301	13		60	73	12,274	110	7,650	19,924	38%	
	Sep '31	302	20		60	80	12,291	100	7,732	20,023	39%	
	Oct '31	303	24		60	84	12,306	100	7,630	19,936	38%	
	Nov '31	304	42		60	102	12,332	80	7,575	19,907	38%	
	Dec '31	305	108		60	168	12,197	10	7,553	19,750	38%	
	Jan '32	306	89		60	149	12,261	30	7,518	19,779	38%	
	Feb '32	307	82		60	142	12,320	40	7,520	19,840	38%	
	Mar '32	308	69		60	129	12,320	50	7,534	19,854	38%	
	Apr '32	309	34		60	94	12,336	90	7,606	19,942	38%	
	May '32	310	17		60	77	12,345	100	7,642	19,987	38%	
	Jun '32	311	14		60	74	12,344	110	7,708	20,052	38%	
2032/33	Jul '32	312	16		60	76	12,344	100	7,761	20,104	39%	
	Aug '32	313	13		60	73	12,340	110	7,811	20,151	39%	
	Sep '32	314	20		60	80	12,300	100	7,911	20,211	39%	
	Oct '32	315	24		60	84	12,318	100	8,011	20,329	39%	
	Nov '32	316	42		60	102	12,258	80	8,091	20,349	40%	
	Dec '32	317	108		60	168	12,268	10	8,101	20,369	40%	
	Jan '33	318	89		60	149	12,202	30	8,131	20,333	40%	
	Feb '33	319	82		60	142	12,255	40	8,171	20,426	40%	
	Mar '33	320	69		60	129	12,296	50	8,221	20,517	40%	
	Apr '33	321	34		60	94	12,330	90	8,311	20,641	40%	
	May '33	322	17		60	77	12,345	100	8,411	20,756	41%	
	Jun '33	323	14		60	74	12,359	110	8,521	20,880	41%	
2033/34	Jul '33	324	16		60	76	12,363	100	8,621	20,984	41%	
	Aug '33	325	13		60	73	12,342	110	8,731	21,073	41%	
	Sep '33	326	20		60	80	12,314	100	8,831	21,145	42%	
	Oct '33	327	24		60	84	12,299	100	8,931	21,230	42%	
	Nov '33	328	42		60	102	12,264	80	9,011	21,275	42%	
	Dec '33	329	108		60	168	12,315	10	9,021	21,336	42%	
	Jan '34	330	89		60	149	12,346	30	9,051	21,397	42%	
	Feb '34	331	82		60	142	12,230	40	9,091	21,321	43%	
	Mar '34	332	69		60	129	12,255	50	9,141	21,396	43%	
	Apr '34	333	34		60	94	12,266	90	9,231	21,497	43%	
	May '34	334	17		60	77	12,275	100	9,331	21,606	43%	
	Jun '34	335	14		60	74	12,280	110	9,441	21,721	43%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period


RWC Management Plan - Turner Basin Cells 3 & 4
Months Since Initial Recycled Water Delivery
151
163
175
187
199
211
223
235
247
259
271
283
295
307
319
331
Historical Diluent Water Recharge
Historical Recycled Water Recharge
Forecast Stormwater Diluent Water Recharge
Planned Recycled Water Recharge
Groundwater Underflow
RWC Maximum
RWC Actual
RWC Projected
Delivered Water Volume (AF/month)
0
100
200
300
400
500
RWC
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%
55%
Feb '19
Feb '20
Feb '21
Feb '22
Feb '23
Feb '24
Feb '25
Feb '26
Feb '27
Feb '28
Feb '29
Feb '30
Feb '31
Feb '32
Feb '33
Feb '34
HISTORICAL RECHARGE
PLANNED RECHARGE

RWC Management Plan for Victoria Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	94	0	0	278	278	19,881	159	7,799	27,679	28%	HISTORICAL
	Aug '18	95	0	0	278	278	20,156	191	7,989	28,145	28%	
	Sep '18	96	0	0	278	278	20,432	159	8,149	28,580	29%	
	Oct '18	97	44	0	278	322	20,749	104	8,253	29,003	28%	
	Nov '18	98	33	0	278	311	21,025	83	8,336	29,361	28%	
	Dec '18	99	46	0	278	324	21,275	98	8,435	29,709	28%	
	Jan '19	100	252	0	278	530	21,790	91	8,525	30,315	28%	
	Feb '19	101	372	0	278	650	22,345	9	8,534	30,879	28%	
	Mar '19	102	223	0	278	501	22,833	76	8,610	31,444	27%	
	Apr '19	103	1	0	278	279	23,109	298	8,908	32,017	28%	
	May '19	104	46	0	278	324	23,430	251	9,159	32,589	28%	
	Jun '19	105	0	0	278	278	23,708	319	9,478	33,186	29%	
2019/20	Jul '19	106	0	0	278	278	23,985	160	9,638	33,623	29%	
	Aug '19	107	0	344	278	622	24,607	142	9,780	34,387	28%	
	Sep '19	108	0	501	278	779	25,386	49	9,829	35,215	28%	
	Oct '19	109	0	177	278	455	25,802	116	9,946	35,748	28%	
	Nov '19	110	63	63	278	403	26,187	75	10,020	36,207	28%	
	Dec '19	111	117	0	278	395	26,492	27	10,047	36,539	27%	
	Jan '20	112	0	0	278	278	26,617	35	10,082	36,699	27%	
	Feb '20	113	0	0	278	278	26,721	68	10,150	36,871	28%	
	Mar '20	114	78	0	278	356	27,077	85	10,235	37,313	27%	
	Apr '20	115	91	0	278	369	27,426	92	10,327	37,753	27%	
	May '20	116	3	0	278	281	27,708	66	10,393	38,100	27%	
	Jun '20	117	0	0	278	278	27,985	136	10,528	38,513	27%	
2020/21	Jul '20	118	0	0	278	278	28,260	188	10,716	38,976	27%	
	Aug '20	119	0	0	278	278	28,536	169	10,885	39,421	28%	
	Sep '20	120	0	0	278	278	28,812	176	10,994	39,806	28%	
	Oct '20	121	0	0	278	278	28,936	183	11,024	39,960	28%	
	Nov '20	122	32	0	278	310	29,073	105	11,012	40,085	27%	
	Dec '20	123	44	0	278	322	29,014	37	11,007	40,021	28%	
	Jan '21	124	59	0	278	337	29,193	32	10,953	40,146	27%	
	Feb '21	125	6	0	278	284	29,266	83	10,969	40,235	27%	
	Mar '21	126	7	0	278	285	29,354	35	10,965	40,319	27%	
	Apr '21	127	0	0	278	278	29,488	0	10,965	40,453	27%	
	May '21	128	0	0	278	278	29,552	0	10,824	40,376	27%	
	Jun '21	129	0	0	278	278	29,688	0	10,763	40,451	27%	
2021/22	Jul '21	130	2	0	278	280	29,825	0	10,701	40,527	26%	
	Aug '21	131	1	0	278	279	29,842	0	10,649	40,491	26%	
	Sep '21	132	2	0	278	280	29,825	25	10,674	40,499	26%	
	Oct '21	133	2	0	278	280	29,935	244	10,918	40,854	27%	
	Nov '21	134	0	0	278	278	30,050	98	11,002	41,051	27%	
	Dec '21	135	314	0	278	592	30,493	95	11,071	41,565	27%	
	Jan '22	136	0	0	278	278	30,621	172	11,244	41,865	27%	
	Feb '22	137	6	0	278	284	30,762	256	11,499	42,261	27%	
	Mar '22	138	24	0	278	302	30,906	232	11,732	42,638	28%	
	Apr '22	139	17	0	278	295	30,966	277	11,991	42,957	28%	
	May '22	140	0	0	278	278	31,086	421	12,141	43,226	28%	
	Jun '22	141	0	0	278	278	31,222	129	12,048	43,269	28%	
2022/23	Jul '22	142	0	0	278	278	31,358	62	12,016	43,373	28%	
	Aug '22	143	2	0	278	280	31,494	0	11,898	43,391	27%	
	Sep '22	144	28	0	278	306	31,659	0	11,843	43,502	27%	
	Oct '22	145	8	0	278	286	31,806	53	11,765	43,570	27%	
	Nov '22	146	89	0	278	367	32,027	153	11,846	43,874	27%	
	Dec '22	147	106	0	278	384	32,254	85	11,910	44,164	27%	
	Jan '23	148	375	0	278	653	32,732	22	11,920	44,652	27%	
	Feb '23	149	120	0	278	398	32,981	120	12,030	45,012	27%	
	Mar '23	150	429	0	278	707	33,542	2	11,975	45,517	26%	
	Apr '23	151	108	0	278	386	33,788	111	11,988	45,776	26%	
	May '23	152	34	9	278	321	33,965	208	12,103	46,068	26%	
	Jun '23	153	1	0	278	279	34,103	275	12,296	46,399	27%	

RWC Management Plan for Victoria Basin

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	154	1	0	278	279	34,241	232	12,454	46,695	27%	ACTUAL
	Aug '23	155	119	0	278	397	34,497	82	12,494	46,991	27%	
	Sep '23	156	11	0	278	289	34,645	133	12,581	47,226	27%	
	Oct '23	157	12	0	278	290	34,789	243	12,825	47,614	27%	
	Nov '23	158	18	0	278	296	34,935	147	12,972	47,907	27%	
	Dec '23	159	47	89	278	414	35,200	34	12,888	48,088	27%	
	Jan '24	160	92	0	278	370	35,429	30	12,760	48,189	26%	
	Feb '24	161	213	0	278	491	35,744	12	12,581	48,325	26%	
	Mar '24	162	224	0	278	502	36,008	18	12,457	48,465	26%	
	Apr '24	163	46	0	278	324	36,178	105	12,312	48,490	25%	
	May '24	164	17	0	278	295	36,332	166	12,265	48,596	25%	
	Jun '24	165	1	0	278	279	36,470	165	12,286	48,756	25%	
2024/25	Jul '24	166	2	0	278	280	36,608	225	12,420	49,029	25%	
	Aug '24	167	2	0	278	280	36,744	164	12,478	49,222	25%	
	Sep '24	168	1	0	278	279	36,882	62	12,385	49,267	25%	
	Oct '24	169	4	0	278	282	37,022	113	12,423	49,444	25%	
	Nov '24	170	2	0	278	280	37,106	146	12,564	49,670	25%	
	Dec '24	171	1	0	278	279	37,093	111	12,675	49,768	25%	
	Jan '25	172	13	0	278	291	37,227	92	12,704	49,931	25%	
	Feb '25	173	1	0	278	279	37,327	35	12,682	50,009	25%	
	Mar '25	174	75		278	353	37,529	180	12,783	50,312	25%	PLANNED
	Apr '25	175	29		278	307	37,697	230	12,886	50,583	25%	
	May '25	176	13		278	291	37,836	240	12,985	50,821	26%	
	Jun '25	177	2		278	280	37,976	250	13,203	51,179	26%	
2025/26	Jul '25	178	2		278	280	38,113	250	13,314	51,427	26%	
	Aug '25	179	8		278	286	38,259	250	13,399	51,658	26%	
	Sep '25	180	5		278	283	38,366	250	13,513	51,879	26%	
	Oct '25	181	14		278	292	38,484	240	13,652	52,136	26%	
	Nov '25	182	26		278	304	38,649	230	13,848	52,497	26%	
	Dec '25	183	90		278	368	38,792	170	13,958	52,750	26%	
	Jan '26	184	91		278	369	38,935	160	14,118	53,053	27%	
	Feb '26	185	74		278	352	39,138	180	14,298	53,436	27%	
	Mar '26	186	75		278	353	39,273	180	14,478	53,751	27%	
	Apr '26	187	29		278	307	39,440	230	14,708	54,148	27%	
	May '26	188	13		278	291	39,590	240	14,948	54,538	27%	
	Jun '26	189	2		278	280	39,728	250	15,198	54,926	28%	
2026/27	Jul '26	190	2		278	280	39,869	250	15,448	55,317	28%	
	Aug '26	191	8		278	286	40,017	250	15,698	55,715	28%	
	Sep '26	192	5		278	283	40,161	250	15,895	56,056	28%	
	Oct '26	193	14		278	292	40,304	240	15,993	56,297	28%	
	Nov '26	194	26		278	304	40,438	230	16,005	56,443	28%	
	Dec '26	195	90		278	368	40,482	170	16,069	56,551	28%	
	Jan '27	196	91		278	369	40,246	160	16,229	56,475	29%	
	Feb '27	197	74		278	352	40,255	180	16,356	56,611	29%	
	Mar '27	198	75		278	353	40,312	180	16,317	56,629	29%	
	Apr '27	199	29		278	307	40,341	230	16,230	56,571	29%	
	May '27	200	13		278	291	40,341	240	16,158	56,499	29%	
	Jun '27	201	2		278	280	40,222	250	16,207	56,429	29%	
2027/28	Jul '27	202	2		278	280	39,988	250	16,317	56,305	29%	
	Aug '27	203	8		278	286	39,972	250	16,328	56,300	29%	
	Sep '27	204	5		278	283	39,847	250	16,411	56,258	29%	
	Oct '27	205	14		278	292	39,711	240	16,608	56,319	29%	
	Nov '27	206	26		278	304	39,737	230	16,797	56,535	30%	
	Dec '27	207	90		278	368	39,824	170	16,869	56,692	30%	
	Jan '28	208	91		278	369	39,822	160	17,022	56,844	30%	
	Feb '28	209	74		278	352	39,888	180	17,169	57,056	30%	
	Mar '28	210	75		278	353	39,954	180	17,324	57,278	30%	
	Apr '28	211	29		278	307	39,943	230	17,554	57,497	31%	
	May '28	212	13		278	291	39,953	240	17,794	57,747	31%	
	Jun '28	213	2		278	280	39,955	250	18,044	57,999	31%	
2028/29	Jul '28	214	2		278	280	39,957	250	18,135	58,092	31%	
	Aug '28	215	8		278	286	39,965	250	18,194	58,159	31%	
	Sep '28	216	5		278	283	39,970	250	18,284	58,254	31%	
	Oct '28	217	14		278	292	39,940	240	18,420	58,360	32%	
	Nov '28	218	26		278	304	39,934	230	18,567	58,501	32%	
	Dec '28	219	90		278	368	39,978	170	18,639	58,616	32%	
	Jan '29	220	91		278	369	39,817	160	18,708	58,525	32%	
	Feb '29	221	74		278	352	39,519	180	18,879	58,398	32%	
	Mar '29	222	75		278	353	39,371	180	18,983	58,353	33%	
	Apr '29	223	29		278	307	39,399	230	18,915	58,314	32%	
	May '29	224	13		278	291	39,366	240	18,904	58,270	32%	
	Jun '29	225	2		278	280	39,368	250	18,835	58,203	32%	

RWC Management Plan for Victoria Basin

(120-month averaging period)

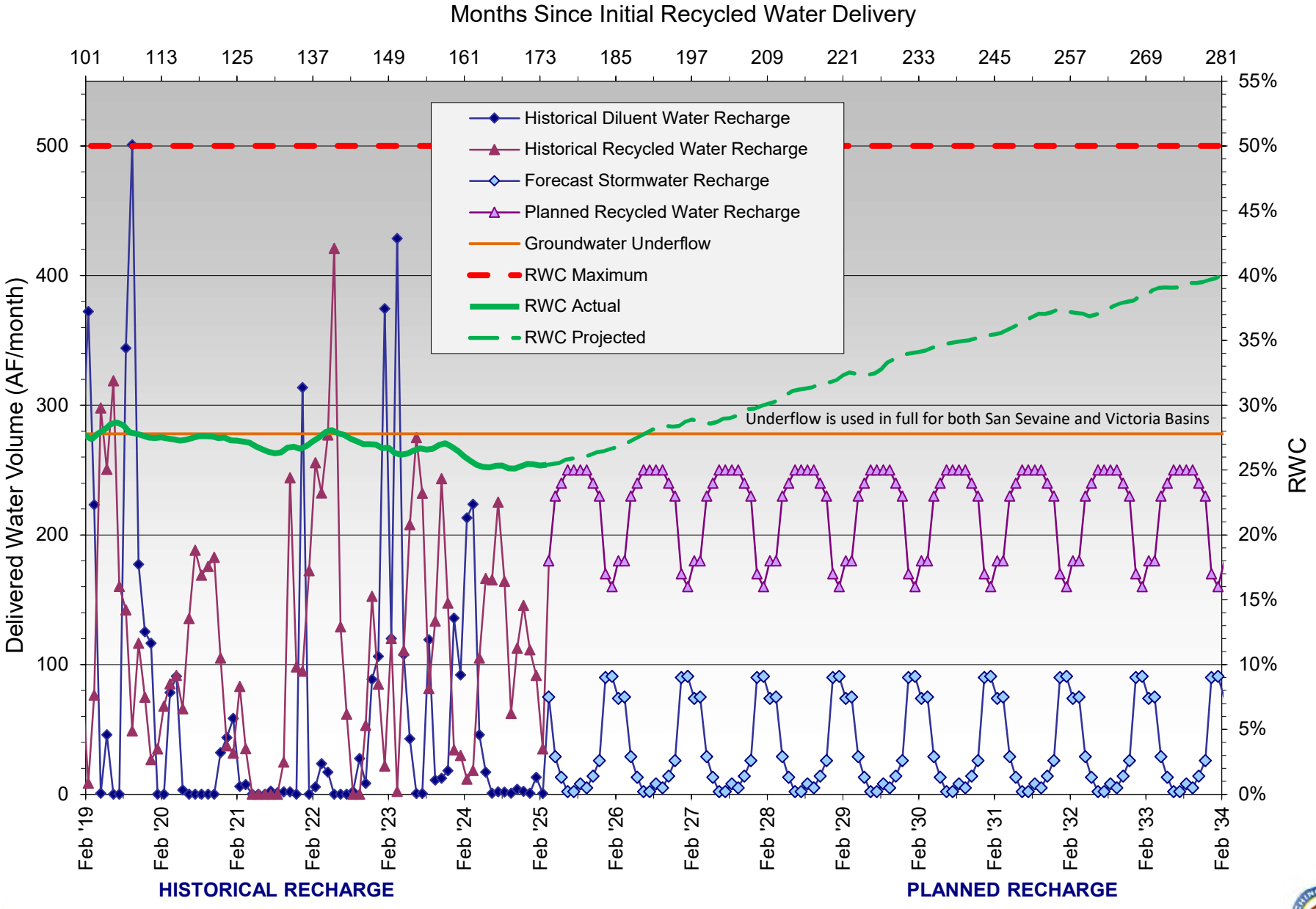
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	226	2		278	280	39,370	250	18,925	58,295	32%	PLANNED
	Aug '29	227	8		278	286	39,034	250	19,033	58,067	33%	
	Sep '29	228	5		278	283	38,538	250	19,234	57,772	33%	
	Oct '29	229	14		278	292	38,375	240	19,357	57,732	34%	
	Nov '29	230	26		278	304	38,275	230	19,513	57,788	34%	
	Dec '29	231	90		278	368	38,249	170	19,656	57,905	34%	
	Jan '30	232	91		278	369	38,340	160	19,781	58,121	34%	
	Feb '30	233	74		278	352	38,414	180	19,893	58,307	34%	
	Mar '30	234	75		278	353	38,410	180	19,988	58,398	34%	
	Apr '30	235	29		278	307	38,348	230	20,126	58,475	34%	
	May '30	236	13		278	291	38,358	240	20,300	58,658	35%	
	Jun '30	237	2		278	280	38,360	250	20,415	58,775	35%	
2030/31	Jul '30	238	2		278	280	38,362	250	20,477	58,839	35%	
	Aug '30	239	8		278	286	38,370	250	20,558	58,928	35%	
	Sep '30	240	5		278	283	38,375	250	20,632	59,007	35%	
	Oct '30	241	14		278	292	38,389	240	20,689	59,078	35%	
	Nov '30	242	26		278	304	38,383	230	20,814	59,197	35%	
	Dec '30	243	90		278	368	38,430	170	20,947	59,376	35%	
	Jan '31	244	91		278	369	38,462	160	21,075	59,537	35%	
	Feb '31	245	74		278	352	38,530	180	21,172	59,702	35%	
	Mar '31	246	75		278	353	38,598	180	21,317	59,914	36%	
	Apr '31	247	29		278	307	38,627	230	21,547	60,173	36%	
	May '31	248	13		278	291	38,640	240	21,787	60,426	36%	
	Jun '31	249	2		278	280	38,642	250	22,037	60,678	36%	
2031/32	Jul '31	250	2		278	280	38,641	250	22,287	60,928	37%	
	Aug '31	251	8		278	286	38,648	250	22,537	61,185	37%	
	Sep '31	252	5		278	283	38,651	250	22,762	61,413	37%	
	Oct '31	253	14		278	292	38,663	240	22,758	61,421	37%	
	Nov '31	254	26		278	304	38,689	230	22,890	61,579	37%	
	Dec '31	255	90		278	368	38,466	170	22,965	61,430	37%	
	Jan '32	256	91		278	369	38,557	160	22,952	61,509	37%	
	Feb '32	257	74		278	352	38,625	180	22,877	61,502	37%	
	Mar '32	258	75		278	353	38,677	180	22,824	61,501	37%	
	Apr '32	259	29		278	307	38,689	230	22,777	61,466	37%	
	May '32	260	13		278	291	38,702	240	22,596	61,298	37%	
	Jun '32	261	2		278	280	38,704	250	22,717	61,421	37%	
2032/33	Jul '32	262	2		278	280	38,706	250	22,905	61,611	37%	
	Aug '32	263	8		278	286	38,711	250	23,155	61,867	37%	
	Sep '32	264	5		278	283	38,689	250	23,405	62,094	38%	
	Oct '32	265	14		278	292	38,695	240	23,592	62,287	38%	
	Nov '32	266	26		278	304	38,632	230	23,670	62,302	38%	
	Dec '32	267	90		278	368	38,616	170	23,755	62,370	38%	
	Jan '33	268	91		278	369	38,332	160	23,893	62,225	38%	
	Feb '33	269	74		278	352	38,286	180	23,953	62,239	38%	
	Mar '33	270	75		278	353	37,933	180	24,131	62,063	39%	
	Apr '33	271	29		278	307	37,854	230	24,250	62,104	39%	
	May '33	272	13		278	291	37,824	240	24,282	62,106	39%	
	Jun '33	273	2		278	280	37,826	250	24,257	62,082	39%	
2033/34	Jul '33	274	2		278	280	37,827	250	24,275	62,102	39%	
	Aug '33	275	8		278	286	37,716	250	24,443	62,159	39%	
	Sep '33	276	5		278	283	37,710	250	24,560	62,270	39%	
	Oct '33	277	14		278	292	37,711	240	24,556	62,268	39%	
	Nov '33	278	26		278	304	37,719	230	24,639	62,358	40%	
	Dec '33	279	90		278	368	37,673	170	24,775	62,448	40%	
	Jan '34	280	91		278	369	37,672	160	24,905	62,577	40%	
	Feb '34	281	74		278	352	37,533	180	25,073	62,606	40%	
	Mar '34	282	75		278	353	37,384	180	25,235	62,619	40%	
	Apr '34	283	29		278	307	37,368	230	25,360	62,727	40%	
	May '34	284	13		278	291	37,364	240	25,433	62,797	41%	
	Jun '34	285	2		278	280	37,365	250	25,518	62,883	41%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

RWC Management Plan - Victoria Basin



RWC Management Plan for San Sevaine Basin 1 through 5

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2018/19	Jul '18	96	2	0	278	280	27,299	0	1,759	29,058	6%	HISTORICAL
	Aug '18	97	0	0	278	278	27,577	0	1,759	29,336	6%	
	Sep '18	98	0	0	278	278	27,855	0	1,759	29,614	6%	
	Oct '18	99	7	0	278	285	28,140	0	1,759	29,899	6%	
	Nov '18	100	31	0	278	309	28,441	0	1,759	30,200	6%	
	Dec '18	101	45	0	278	323	28,678	0	1,759	30,437	6%	
	Jan '19	102	318	0	278	596	29,258	0	1,759	31,017	6%	
	Feb '19	103	429	0	278	706	29,858	0	1,759	31,617	6%	
	Mar '19	104	313	0	278	591	30,440	0	1,759	32,199	5%	
	Apr '19	105	0	0	278	278	30,718	0	1,759	32,477	5%	
	May '19	106	25	0	278	303	31,021	0	1,759	32,780	5%	
	Jun '19	107	0	857	278	1,134	32,156	0	1,759	33,915	5%	
2019/20	Jul '19	108	0	766	278	1,044	33,200	0	1,759	34,959	5%	
	Aug '19	109	0	597	278	875	34,075	0	1,759	35,834	5%	
	Sep '19	110	0	117	278	395	34,469	0	1,759	36,228	5%	
	Oct '19	111	0	0	278	278	34,691	0	1,759	36,450	5%	
	Nov '19	112	155	113	278	546	35,216	0	1,759	36,975	5%	
	Dec '19	113	211	32	278	520	35,403	0	1,759	37,162	5%	
	Jan '20	114	31	52	278	361	35,474	0	1,759	37,233	5%	
	Feb '20	115	8	0	278	286	35,537	0	1,759	37,296	5%	
	Mar '20	116	254	0	278	532	36,053	0	1,759	37,812	5%	
	Apr '20	117	363	0	278	640	36,640	0	1,759	38,399	5%	
	May '20	118	3	0	278	281	36,921	0	1,759	38,680	5%	
	Jun '20	119	0	0	278	278	37,199	0	1,759	38,958	5%	
2020/21	Jul '20	120	0	0	278	278	37,477	0	1,709	39,186	4%	
	Aug '20	121	0	0	278	278	37,755	267	1,932	39,687	5%	
	Sep '20	122	0	0	278	278	38,033	201	2,091	40,123	5%	
	Oct '20	123	0	0	278	278	38,216	260	2,278	40,494	6%	
	Nov '20	124	55	0	278	333	38,329	290	2,555	40,883	6%	
	Dec '20	125	161	0	278	439	38,052	211	2,734	40,786	7%	
	Jan '21	126	143	0	278	421	38,320	133	2,795	41,116	7%	
	Feb '21	127	24	0	278	302	38,341	221	3,016	41,357	7%	
	Mar '21	128	61	0	278	339	38,408	202	3,218	41,626	8%	
	Apr '21	129	0	0	278	278	38,547	275	3,493	42,040	8%	
	May '21	130	0	0	278	278	38,141	247	3,704	41,845	9%	
	Jun '21	131	0	0	278	278	37,111	325	3,995	41,105	10%	
2021/22	Jul '21	132	6	0	278	283	36,244	316	4,197	40,442	10%	
	Aug '21	133	0	0	278	278	36,372	329	4,436	40,808	11%	
	Sep '21	134	0	0	278	278	36,306	141	4,577	40,883	11%	
	Oct '21	135	7	0	278	285	36,412	250	4,827	41,240	12%	
	Nov '21	136	0	0	278	278	36,519	282	5,109	41,628	12%	
	Dec '21	137	732	0	278	1,010	37,370	131	5,240	42,610	12%	
	Jan '22	138	0	0	278	278	37,454	409	5,490	42,944	13%	
	Feb '22	139	11	0	278	288	37,549	270	5,686	43,235	13%	
	Mar '22	140	66	0	278	344	37,594	281	5,951	43,545	14%	
	Apr '22	141	26	0	278	304	37,683	304	6,251	43,935	14%	
	May '22	142	0	0	278	278	37,822	326	6,575	44,397	15%	
	Jun '22	143	0	0	278	278	37,961	428	6,948	44,910	15%	
2022/23	Jul '22	144	0	0	278	278	38,100	450	7,276	45,377	16%	
	Aug '22	145	3	0	278	281	38,241	408	7,600	45,841	17%	
	Sep '22	146	43	0	278	321	38,423	384	7,945	46,368	17%	
	Oct '22	147	8	0	278	286	38,569	408	8,290	46,859	18%	
	Nov '22	148	222	0	278	500	38,916	229	8,453	47,369	18%	
	Dec '22	149	272	0	278	550	39,248	112	8,564	47,812	18%	
	Jan '23	150	426	0	278	704	39,792	2	8,507	48,299	18%	
	Feb '23	151	355	0	278	633	40,277	82	8,571	48,848	18%	
	Mar '23	152	628	0	278	906	41,032	0	8,518	49,549	17%	
	Apr '23	153	254	0	278	532	41,420	49	8,526	49,945	17%	
	May '23	154	59	758	278	1,095	42,371	0	8,500	50,871	17%	
	Jun '23	155	0	871	278	1,149	43,381	99	8,596	51,977	17%	

RWC Management Plan for San Sevaine Basin 1 through 5

(120-month averaging period)

Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2023/24	Jul '23	156	0	850	278	1,128	44,370	53	8,650	53,020	16%	ACTUAL
	Aug '23	157	233	996	278	1,507	45,738	193	8,843	54,580	16%	
	Sep '23	158	28	1,170	278	1,477	47,075	261	8,950	56,025	16%	
	Oct '23	159	21	1,060	278	1,359	48,284	329	9,210	57,494	16%	
	Nov '23	160	41	1,087	278	1,407	49,512	141	9,343	58,855	16%	
	Dec '23	161	152	614	278	1,043	50,411	20	9,363	59,773	16%	
	Jan '24	162	141	73	278	492	50,764	152	9,503	60,267	16%	
	Feb '24	163	787	0	278	1,065	51,620	112	9,599	61,219	16%	
	Mar '24	164	509	0	278	787	52,249	126	9,724	61,973	16%	
	Apr '24	165	98	29	278	405	52,498	162	9,885	62,382	16%	
	May '24	166	61	477	278	816	53,174	133	10,005	63,180	16%	
	Jun '24	167	9	355	278	642	53,677	107	10,112	63,789	16%	
2024/25	Jul '24	168	0	454	278	732	54,270	108	10,221	64,491	16%	
	Aug '24	169	0	437	278	715	54,840	58	10,278	65,118	16%	
	Sep '24	170	0	451	278	729	55,428	73	10,350	65,778	16%	
	Oct '24	171	3	449	278	731	56,020	101	10,451	66,471	16%	
	Nov '24	172	7	329	278	613	56,476	131	10,582	67,058	16%	
	Dec '24	173	0	39	278	317	56,407	248	10,830	67,237	16%	
	Jan '25	174	38	0	278	316	56,590	301	11,131	67,721	16%	
	Feb '25	175	1	0	278	279	56,690	120	11,251	67,942	17%	
	Mar '25	176	155		278	433	56,982	100	11,351	68,334	17%	PLANNED
	Apr '25	177	111		278	389	57,232	140	11,491	68,724	17%	
	May '25	178	22		278	300	57,376	230	11,721	69,098	17%	
	Jun '25	179	2		278	280	57,517	250	11,971	69,489	17%	
2025/26	Jul '25	180	1		278	279	57,648	250	12,221	69,870	17%	
	Aug '25	181	15		278	293	57,802	240	12,461	70,264	18%	
	Sep '25	182	7		278	285	57,895	240	12,701	70,597	18%	
	Oct '25	183	18		278	296	58,005	230	12,931	70,936	18%	
	Nov '25	184	41		278	319	58,184	210	13,141	71,325	18%	
	Dec '25	185	175		278	453	58,418	80	13,221	71,639	18%	
	Jan '26	186	153		278	431	58,466	100	13,321	71,787	19%	
	Feb '26	187	139		278	417	58,711	110	13,431	72,142	19%	
	Mar '26	188	155		278	433	58,917	100	13,531	72,448	19%	
	Apr '26	189	111		278	389	59,138	140	13,671	72,809	19%	
	May '26	190	22		278	300	59,298	230	13,901	73,199	19%	
	Jun '26	191	2		278	280	59,439	250	14,151	73,590	19%	
2026/27	Jul '26	192	1		278	279	59,579	250	14,401	73,980	19%	
	Aug '26	193	15		278	293	59,732	240	14,641	74,374	20%	
	Sep '26	194	7		278	285	59,878	240	14,881	74,760	20%	
	Oct '26	195	18		278	296	60,019	230	15,111	75,131	20%	
	Nov '26	196	41		278	319	60,173	210	15,321	75,495	20%	
	Dec '26	197	175		278	453	60,331	80	15,401	75,733	20%	
	Jan '27	198	153		278	431	60,135	100	15,501	75,637	20%	
	Feb '27	199	139		278	417	60,181	110	15,611	75,793	21%	
	Mar '27	200	155		278	433	60,333	100	15,711	76,045	21%	
	Apr '27	201	111		278	389	60,443	140	15,851	76,295	21%	
	May '27	202	22		278	300	60,449	230	16,081	76,531	21%	
	Jun '27	203	2		278	280	59,925	250	16,331	76,257	21%	
2027/28	Jul '27	204	1		278	279	59,359	250	16,581	75,941	22%	
	Aug '27	205	15		278	293	59,210	240	16,821	76,031	22%	
	Sep '27	206	7		278	285	59,066	240	17,061	76,127	22%	
	Oct '27	207	18		278	296	58,581	230	17,291	75,873	23%	
	Nov '27	208	41		278	319	58,568	210	17,501	76,069	23%	
	Dec '27	209	175		278	453	57,639	80	17,581	75,221	23%	
	Jan '28	210	153		278	431	56,795	100	17,681	74,477	24%	
	Feb '28	211	139		278	417	56,913	110	17,791	74,705	24%	
	Mar '28	212	155		278	433	56,941	100	17,891	74,832	24%	
	Apr '28	213	111		278	389	57,052	140	18,031	75,083	24%	
	May '28	214	22		278	300	57,069	230	18,261	75,331	24%	
	Jun '28	215	2		278	280	57,071	250	18,511	75,583	24%	
2028/29	Jul '28	216	1		278	279	57,071	250	18,761	75,832	25%	
	Aug '28	217	15		278	293	57,086	240	19,001	76,087	25%	
	Sep '28	218	7		278	285	57,093	240	19,241	76,334	25%	
	Oct '28	219	18		278	296	57,103	230	19,471	76,575	25%	
	Nov '28	220	41		278	319	57,113	210	19,681	76,795	26%	
	Dec '28	221	175		278	453	57,243	80	19,761	77,004	26%	
	Jan '29	222	153		278	431	57,078	100	19,861	76,939	26%	
	Feb '29	223	139		278	417	56,788	110	19,971	76,760	26%	
	Mar '29	224	155		278	433	56,631	100	20,071	76,702	26%	
	Apr '29	225	111		278	389	56,741	140	20,211	76,953	26%	
	May '29	226	22		278	300	56,738	230	20,441	77,180	26%	
	Jun '29	227	2		278	280	55,884	250	20,691	76,575	27%	

RWC Management Plan for San Sevaine Basin 1 through 5

(120-month averaging period)

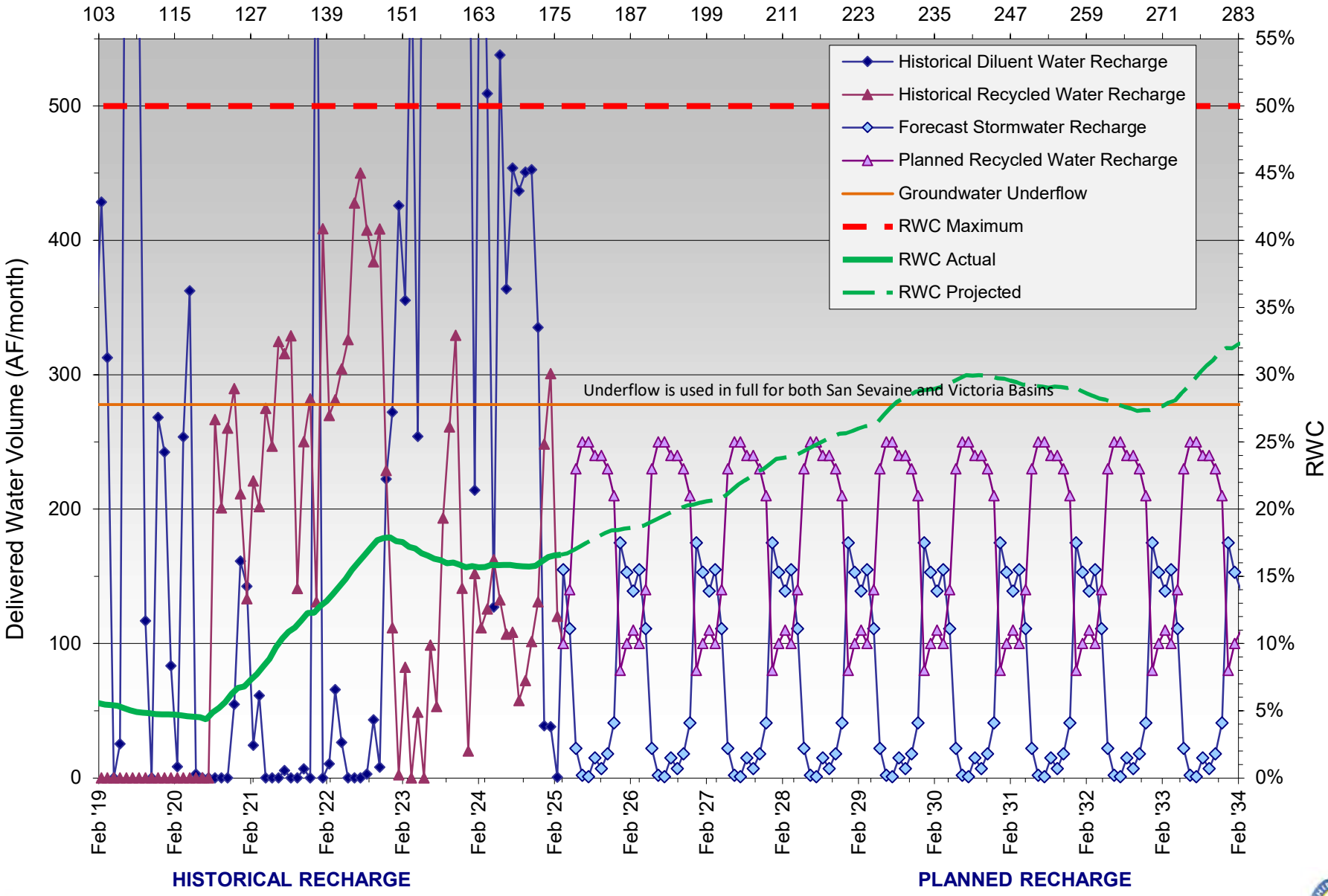
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

Date		No. Mos. Since Initial RW Delivery	SW (AF)	MWD (AF)	Underflow (AF)	DW Total (AF)	DW 120-Month Total (AF)	RW (AF)	RW 120-Month Total (AF)	DW + RW 120-Month Total (AF)	RWC	Period
2029/30	Jul '29	228	1		278	279	55,119	250	20,941	76,060	28%	PLANNED
	Aug '29	229	15		278	293	54,537	240	21,181	75,718	28%	
	Sep '29	230	7		278	285	54,427	240	21,421	75,848	28%	
	Oct '29	231	18		278	296	54,445	230	21,651	76,096	28%	
	Nov '29	232	41		278	319	54,217	210	21,861	76,079	29%	
	Dec '29	233	175		278	453	54,150	80	21,941	76,092	29%	
	Jan '30	234	153		278	431	54,220	100	22,041	76,261	29%	
	Feb '30	235	139		278	417	54,350	110	22,151	76,502	29%	
	Mar '30	236	155		278	433	54,251	100	22,251	76,503	29%	
	Apr '30	237	111		278	389	54,000	140	22,391	76,391	29%	
	May '30	238	22		278	300	54,019	230	22,621	76,641	30%	
	Jun '30	239	2		278	280	54,021	250	22,871	76,893	30%	
2030/31	Jul '30	240	1		278	279	54,022	250	23,121	77,144	30%	
	Aug '30	241	15		278	293	54,037	240	23,095	77,132	30%	
	Sep '30	242	7		278	285	54,044	240	23,134	77,178	30%	
	Oct '30	243	18		278	296	54,062	230	23,104	77,166	30%	
	Nov '30	244	41		278	319	54,048	210	23,024	77,072	30%	
	Dec '30	245	175		278	453	54,062	80	22,892	76,954	30%	
	Jan '31	246	153		278	431	54,072	100	22,859	76,931	30%	
	Feb '31	247	139		278	417	54,187	110	22,748	76,935	30%	
	Mar '31	248	155		278	433	54,281	100	22,646	76,927	29%	
	Apr '31	249	111		278	389	54,392	140	22,512	76,903	29%	
	May '31	250	22		278	300	54,414	230	22,495	76,908	29%	
	Jun '31	251	2		278	280	54,416	250	22,420	76,836	29%	
2031/32	Jul '31	252	1		278	279	54,411	250	22,354	76,766	29%	
	Aug '31	253	15		278	293	54,426	240	22,265	76,692	29%	
	Sep '31	254	7		278	285	54,433	240	22,364	76,798	29%	
	Oct '31	255	18		278	296	54,444	230	22,344	76,789	29%	
	Nov '31	256	41		278	319	54,485	210	22,272	76,758	29%	
	Dec '31	257	175		278	453	53,929	80	22,221	76,150	29%	
	Jan '32	258	153		278	431	54,082	100	21,912	75,994	29%	
	Feb '32	259	139		278	417	54,210	110	21,753	75,963	29%	
	Mar '32	260	155		278	433	54,299	100	21,571	75,871	28%	
	Apr '32	261	111		278	389	54,384	140	21,407	75,791	28%	
	May '32	262	22		278	300	54,406	230	21,311	75,717	28%	
	Jun '32	263	2		278	280	54,408	250	21,133	75,541	28%	
2032/33	Jul '32	264	1		278	279	54,409	250	20,933	75,342	28%	
	Aug '32	265	15		278	293	54,421	240	20,766	75,187	28%	
	Sep '32	266	7		278	285	54,385	240	20,622	75,007	27%	
	Oct '32	267	18		278	296	54,395	230	20,443	74,838	27%	
	Nov '32	268	41		278	319	54,214	210	20,424	74,638	27%	
	Dec '32	269	175		278	453	54,117	80	20,393	74,509	27%	
	Jan '33	270	153		278	431	53,844	100	20,490	74,334	28%	
	Feb '33	271	139		278	417	53,627	110	20,518	74,145	28%	
	Mar '33	272	155		278	433	53,154	100	20,618	73,772	28%	
	Apr '33	273	111		278	389	53,011	140	20,709	73,720	28%	
	May '33	274	22		278	300	52,216	230	20,939	73,155	29%	
	Jun '33	275	2		278	280	51,348	250	21,090	72,438	29%	
2033/34	Jul '33	276	1		278	279	50,499	250	21,287	71,786	30%	
	Aug '33	277	15		278	293	49,285	240	21,334	70,619	30%	
	Sep '33	278	7		278	285	48,093	240	21,312	69,406	31%	
	Oct '33	279	18		278	296	47,031	230	21,213	68,244	31%	
	Nov '33	280	41		278	319	45,943	210	21,282	67,225	32%	
	Dec '33	281	175		278	453	45,353	80	21,342	66,694	32%	
	Jan '34	282	153		278	431	45,292	100	21,290	66,581	32%	
	Feb '34	283	139		278	417	44,644	110	21,288	65,932	32%	
	Mar '34	284	155		278	433	44,290	100	21,262	65,552	32%	
	Apr '34	285	111		278	389	44,274	140	21,240	65,513	32%	
	May '34	286	22		278	300	43,758	230	21,337	65,095	33%	
	Jun '34	287	2		278	280	43,396	250	21,480	64,876	33%	

Notes:

DW = Diluent Water; Total DW is the sum of Stormwater & Local Runoff (SW), Imported Water from the State Water Project (MWD), and groundwater underflow.
RW = Recycled Water
RWC = 120-month running total of recycled water / 120-month running total of all diluent and recycled water.
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.
RWC maximum = 0.5 mg/L / the Running Average of Total Organic Carbon (TOC) determined from a recharge site's start-up period

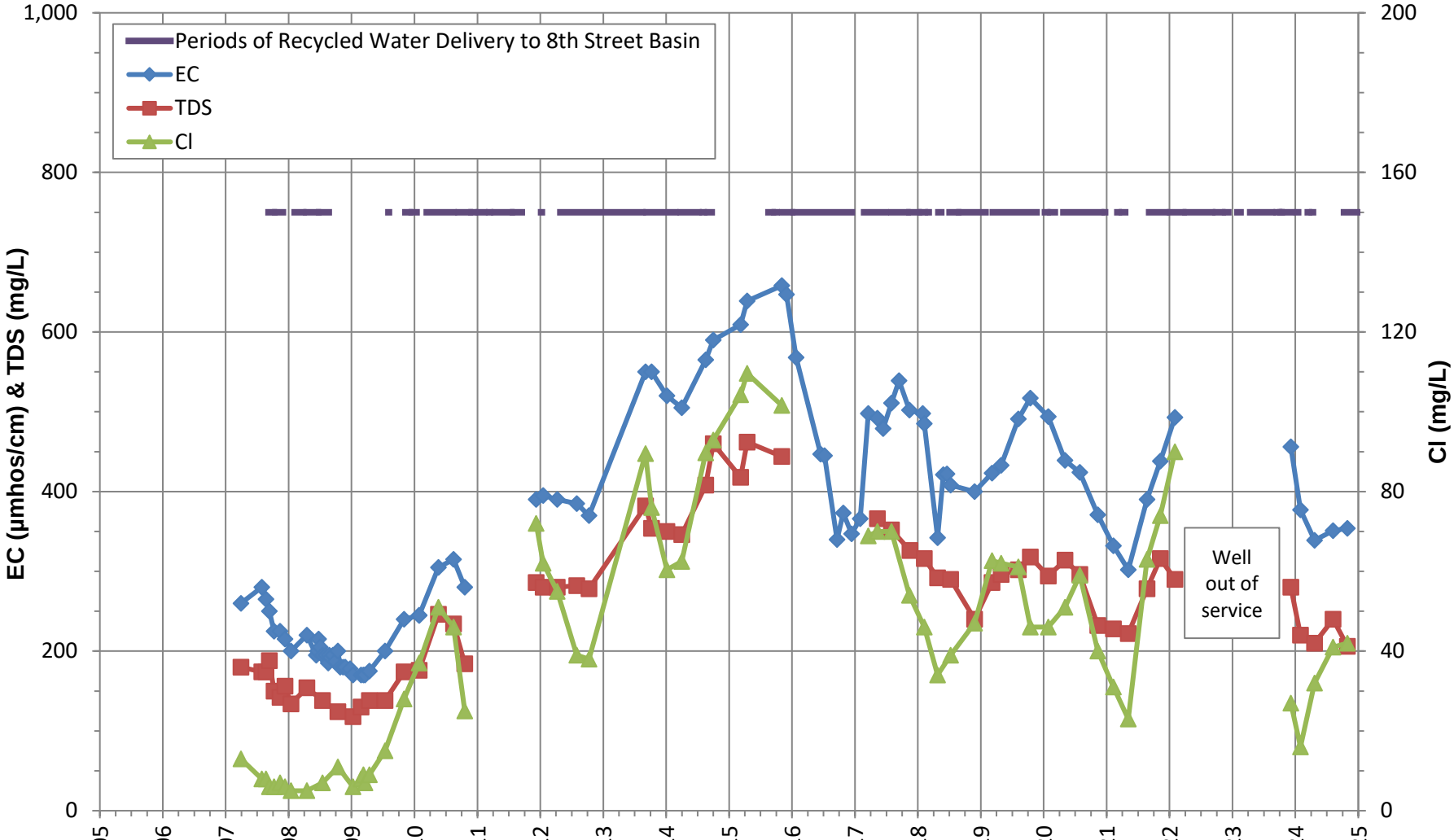
RWC Management Plan - San Sevaine Basins 1 through 5



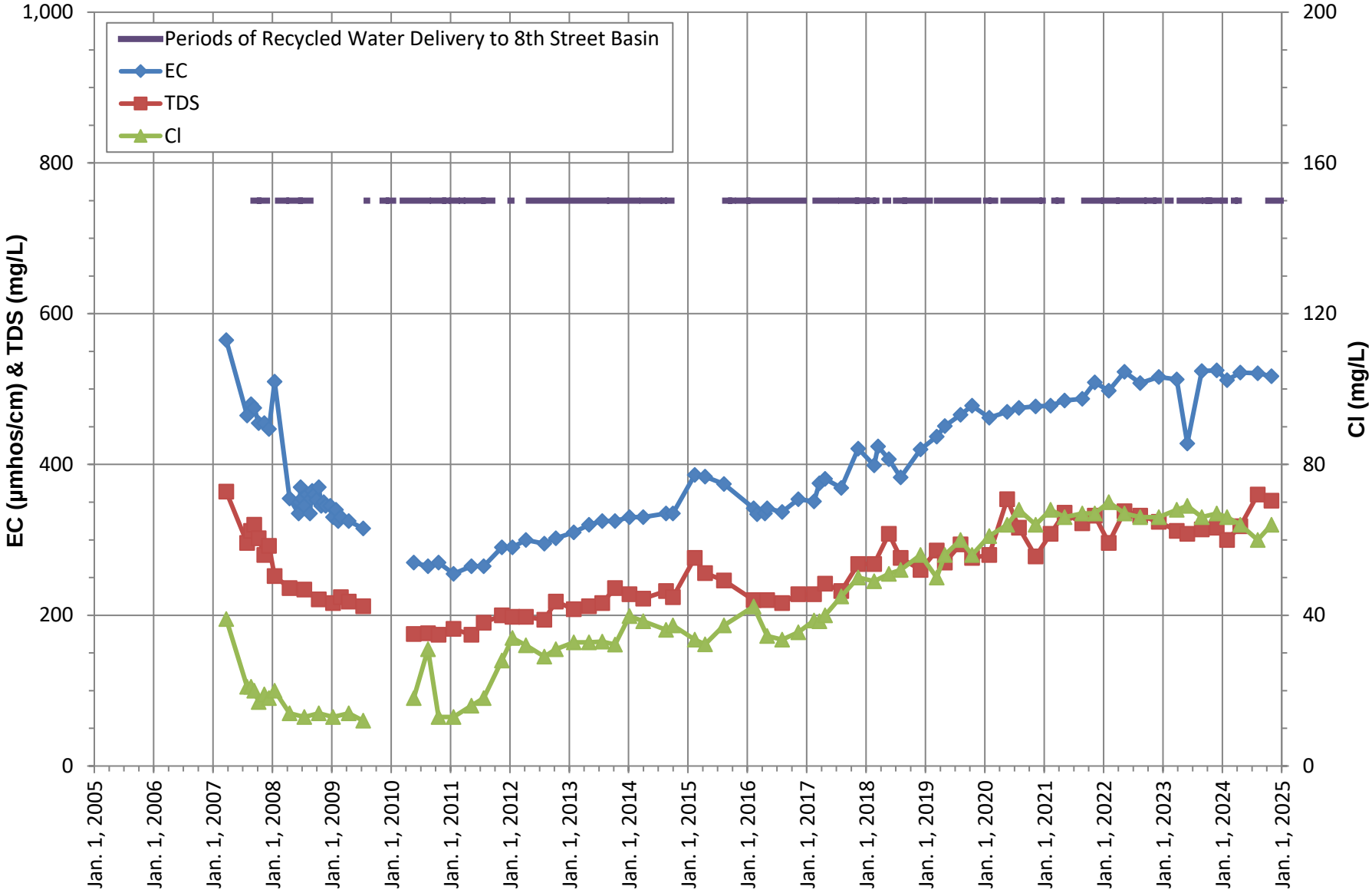
APPENDIX C

EVIDENCE FOR BLENDING:

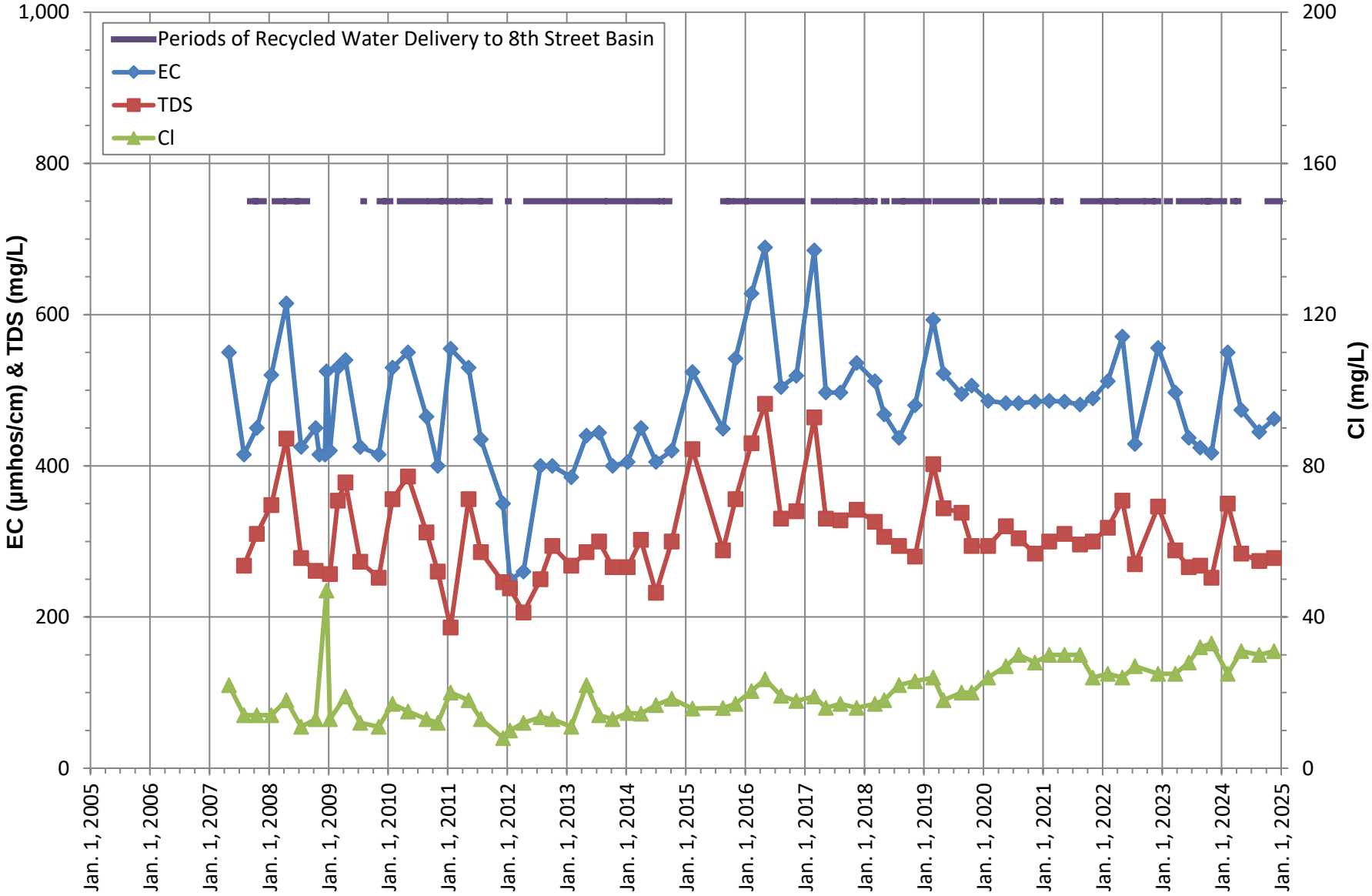
EC, TDS, CHLORIDE TIME-SERIES GRAPHS



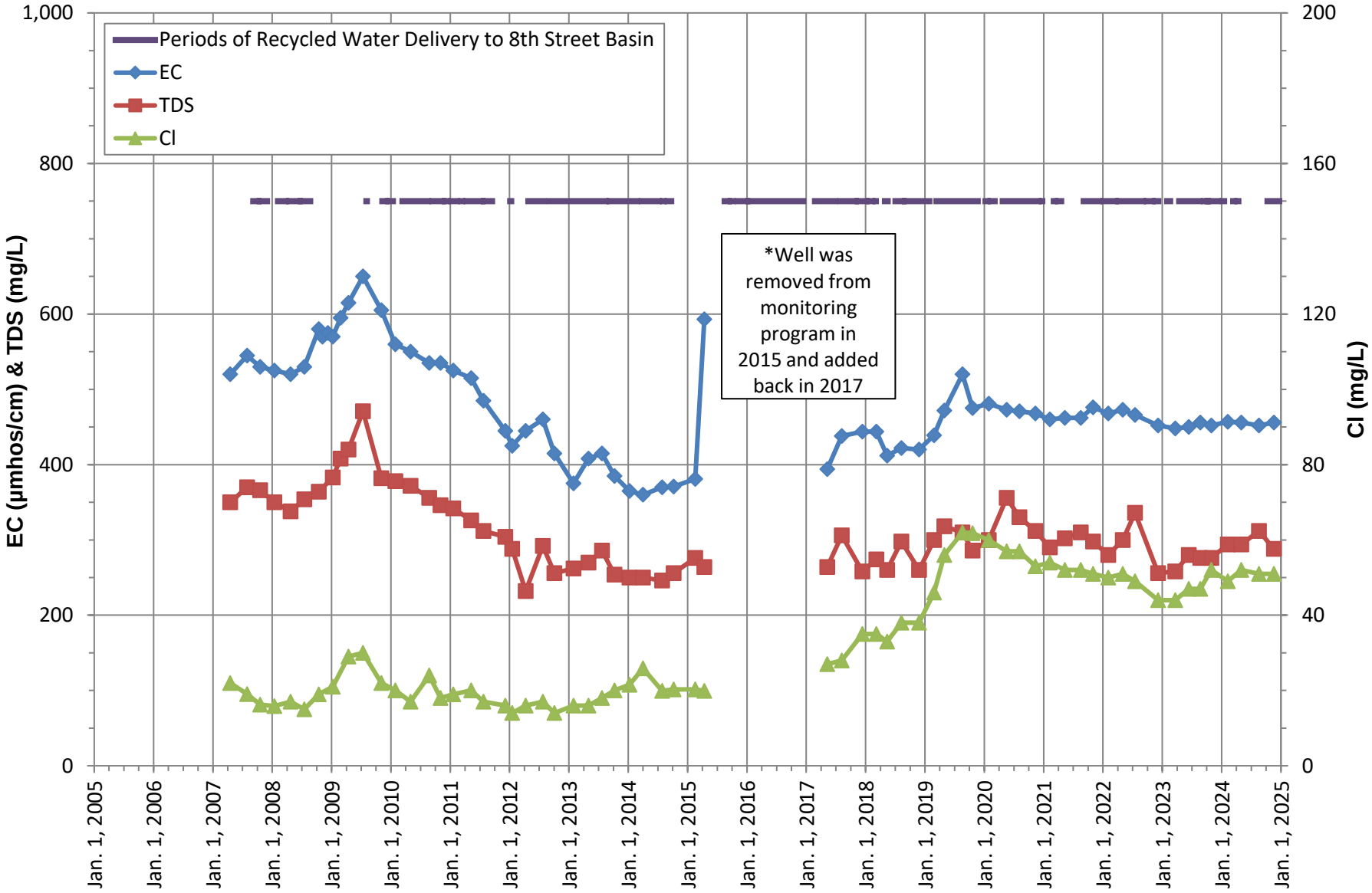
EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-1/1



EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-1/2



EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-2/1



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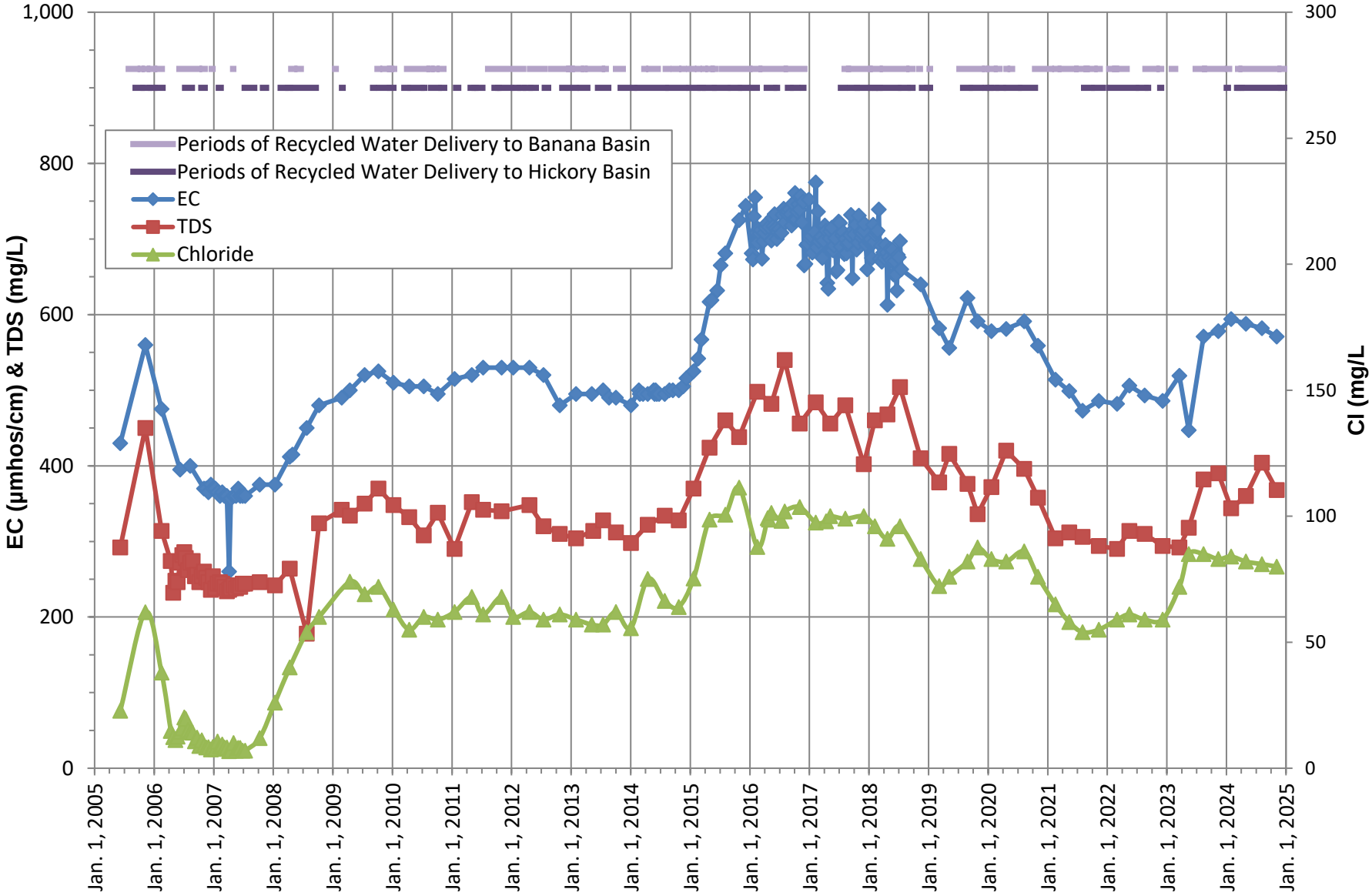
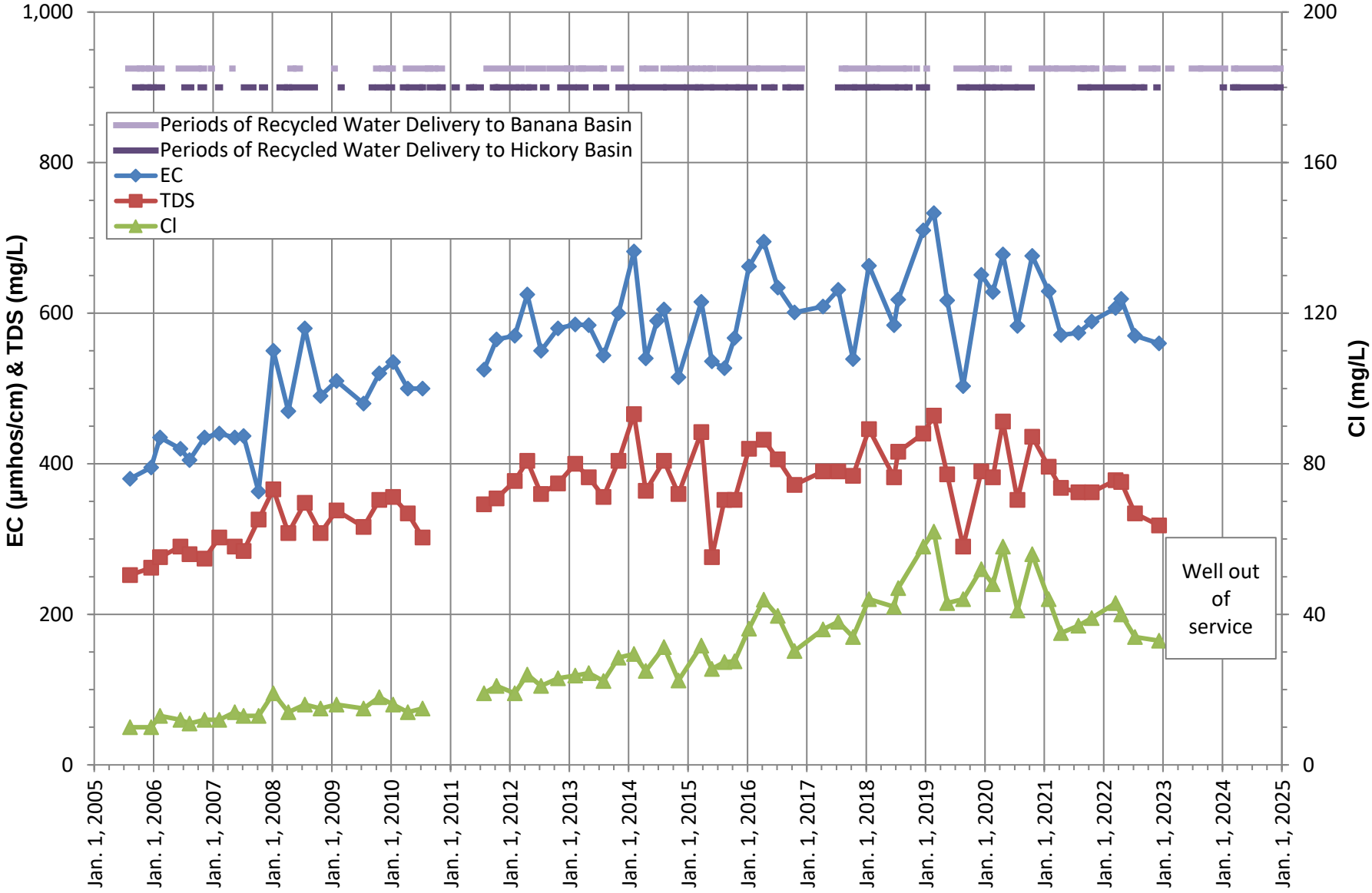
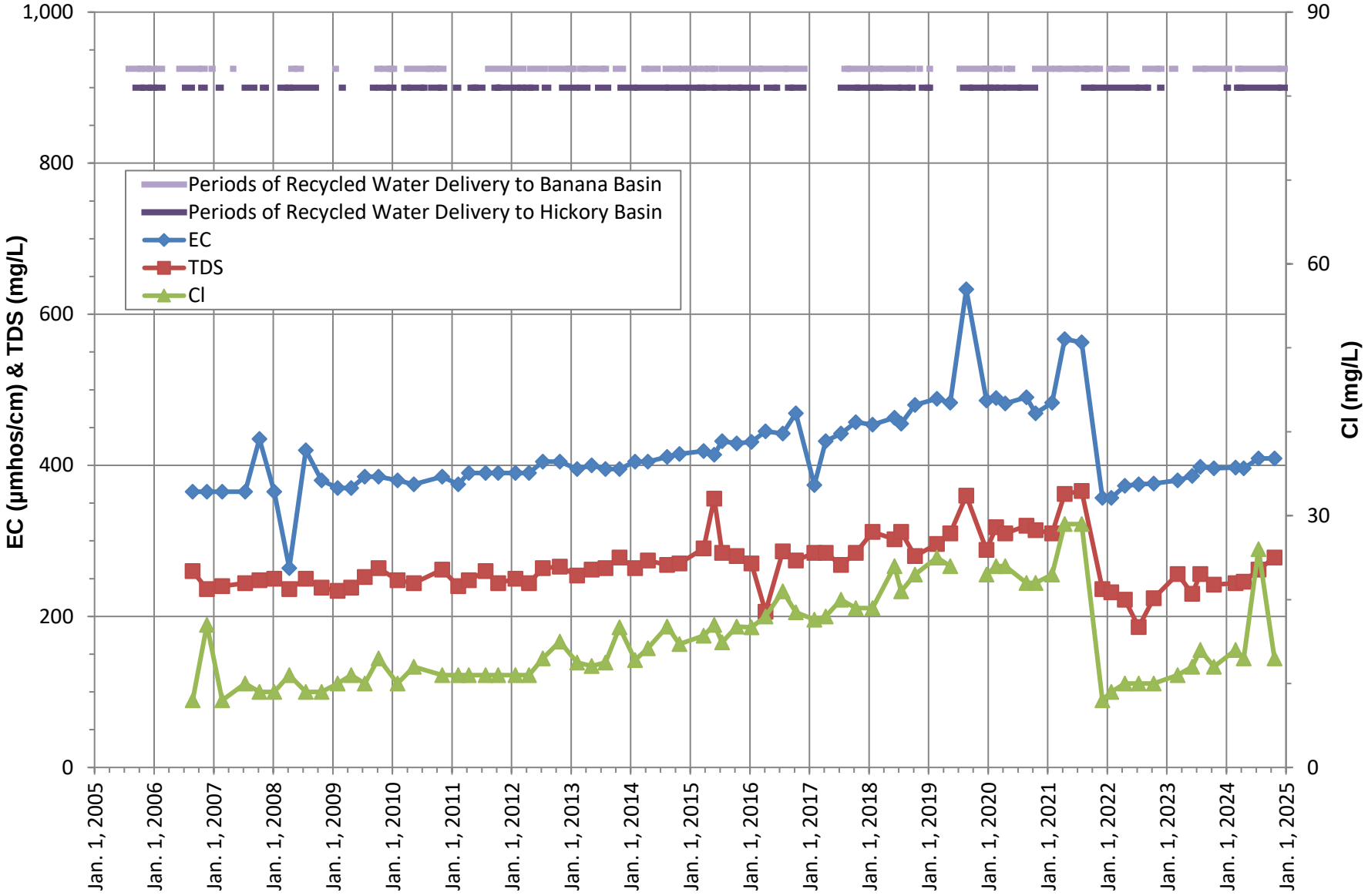
8TH STREET BASIN
MW 8TH-2/2



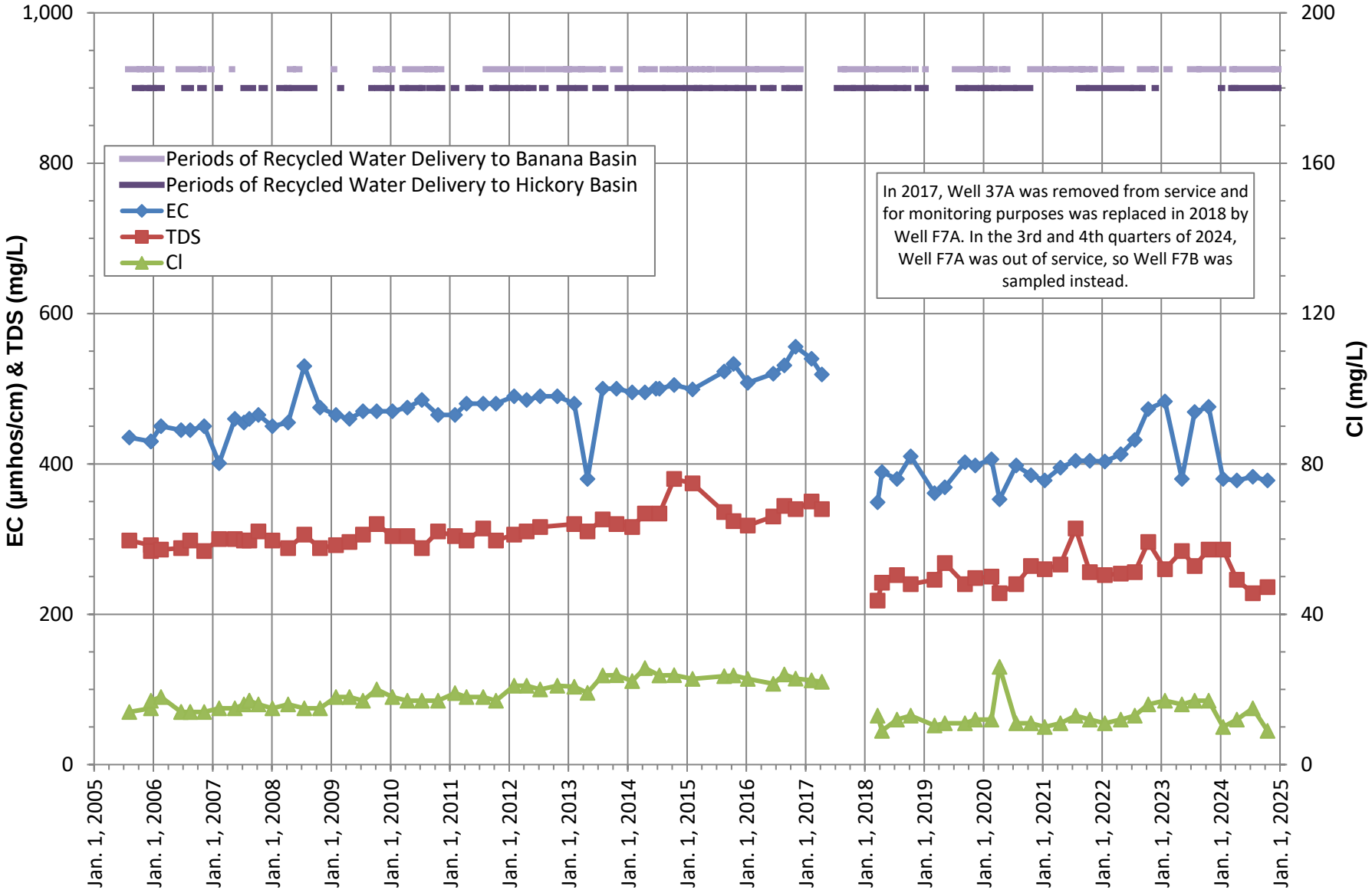
EC, TDS, CHLORIDE TRENDS
HICKORY BANANA BASINS
MW BH-1/2



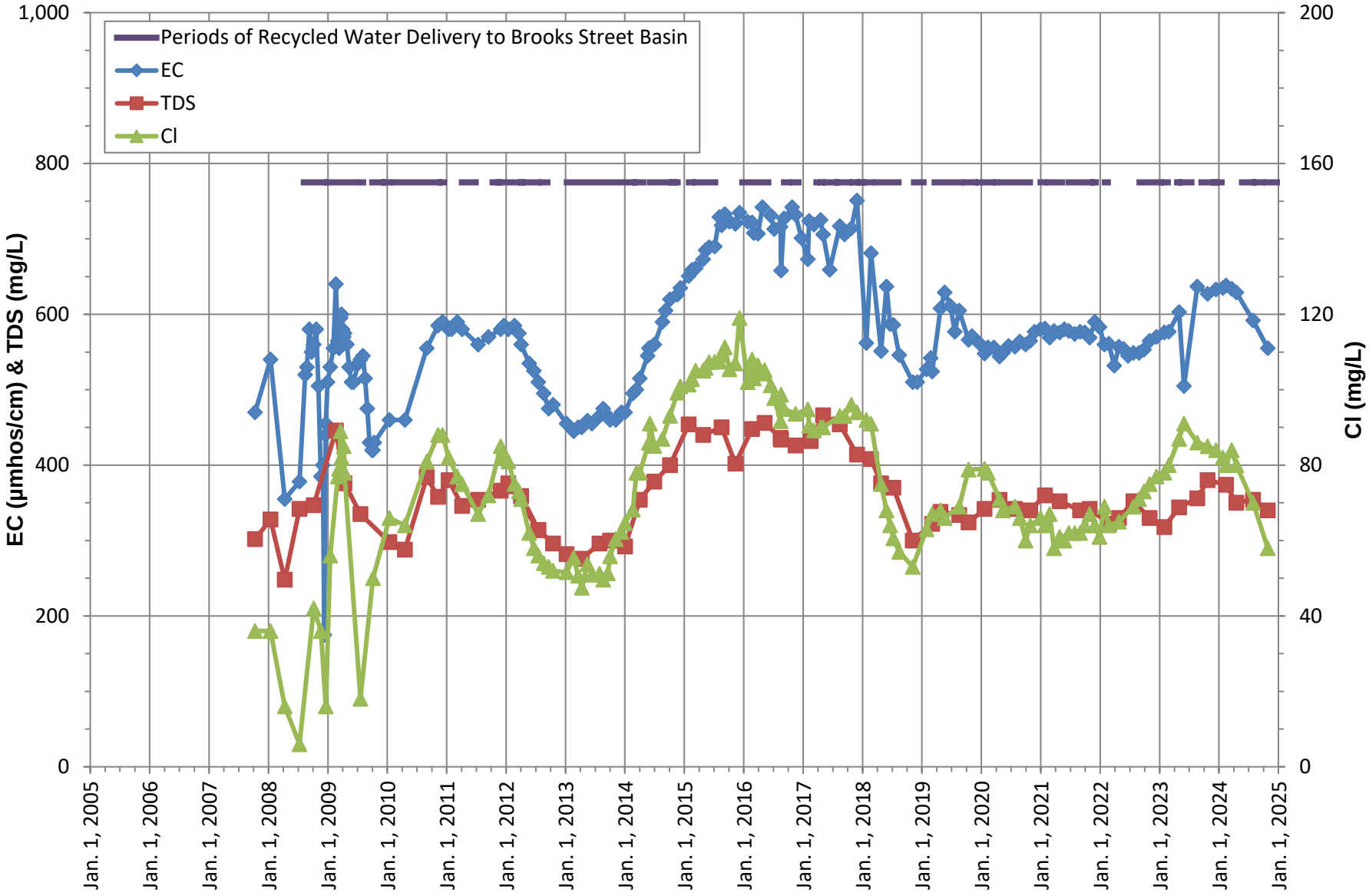
EC, TDS, CHLORIDE TRENDS
BANANA-HICKORY BASINS
CALIFORNIA SPEEDWAY INFIELD WELL



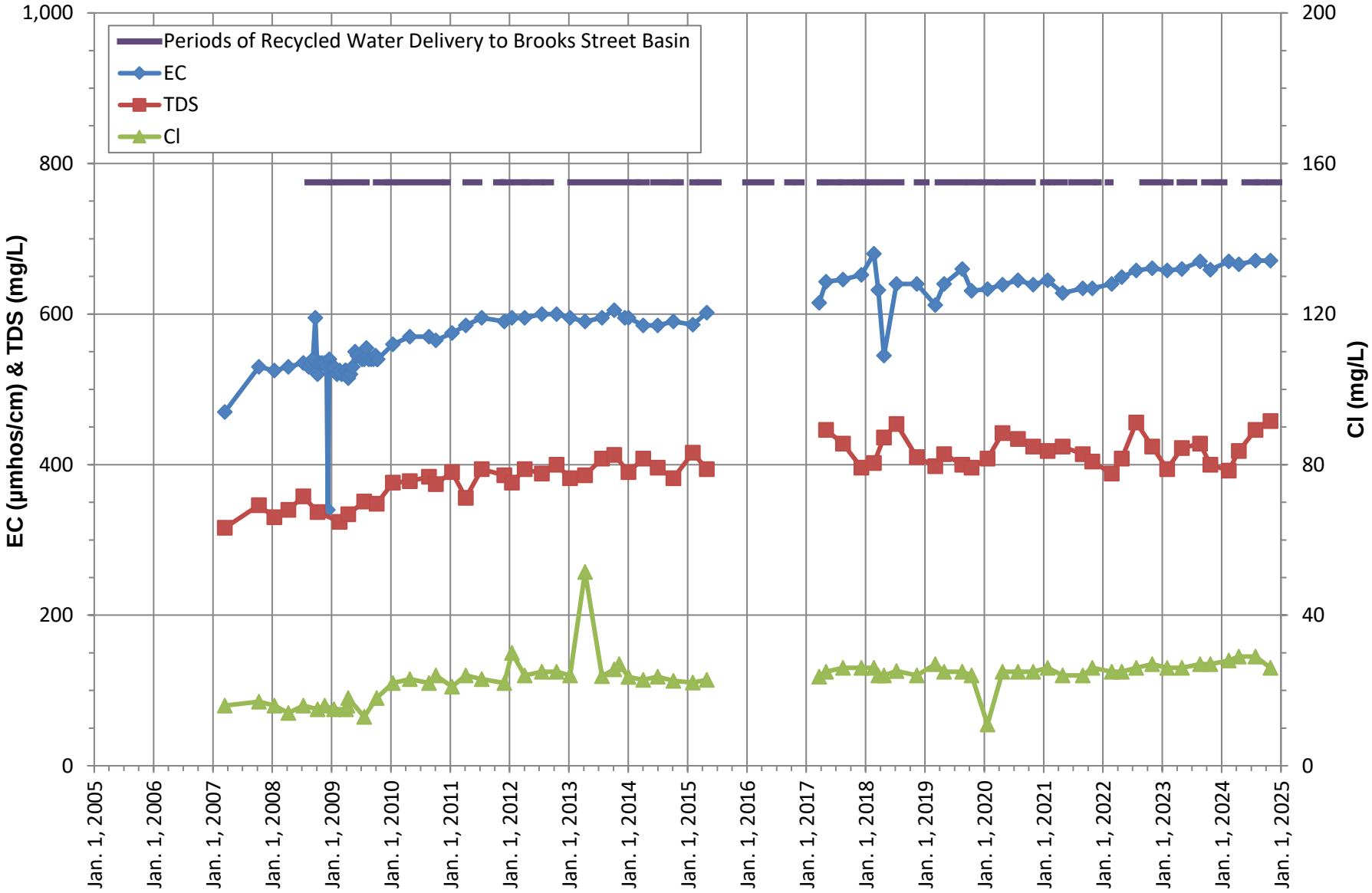
EC, TDS, CHLORIDE TRENDS
BANANA-HICKORY BASINS
CALIFORNIA SPEEDWAY NO. 2



EC, TDS, CHLORIDE TRENDS
BANANA-HICKORY BASINS
FONTANA WATER CO. WELLS 7A AND 37A



EC, TDS, CHLORIDE TRENDS
BROOKS STREET BASIN
MW BRK-1/1



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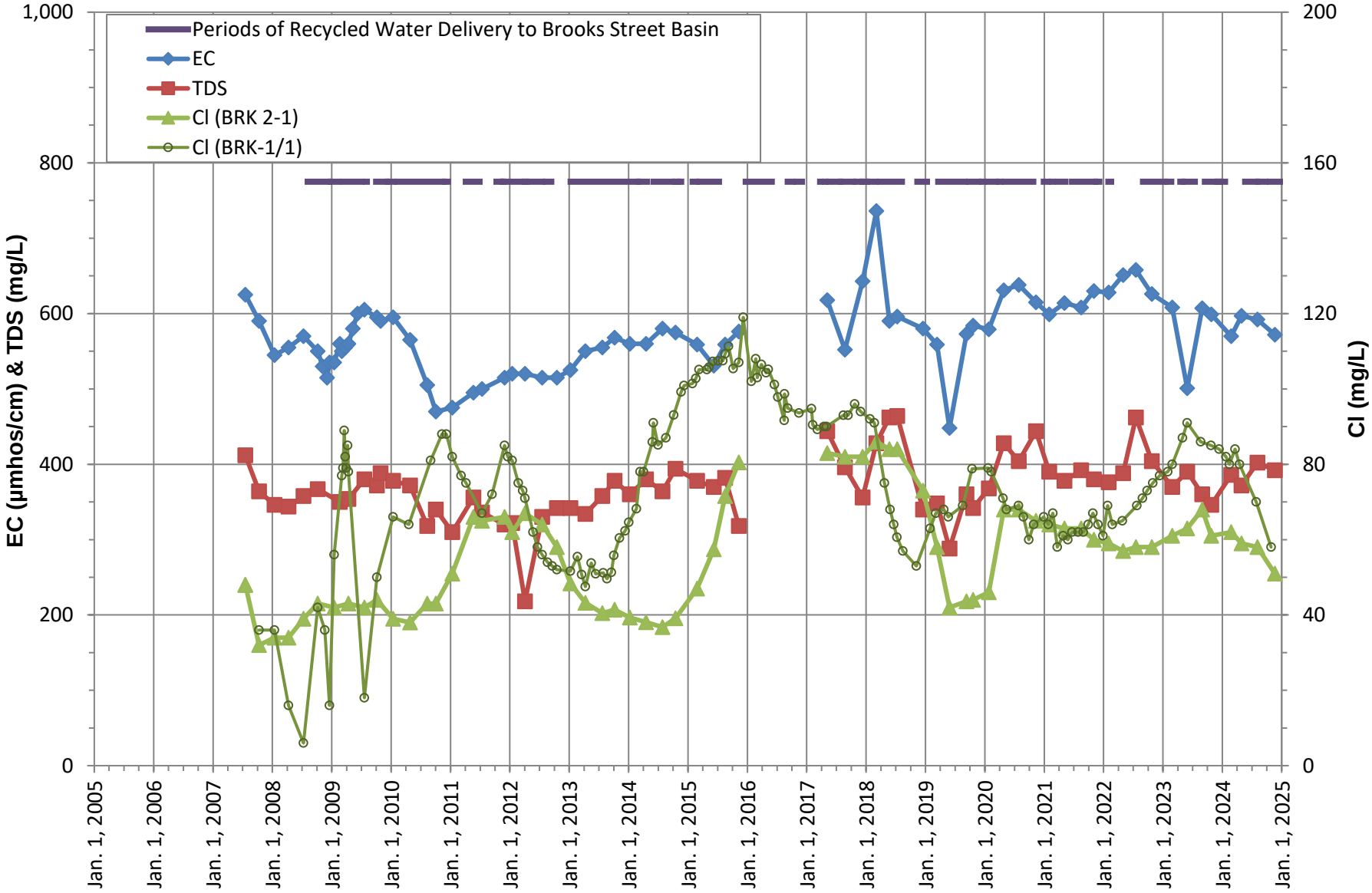
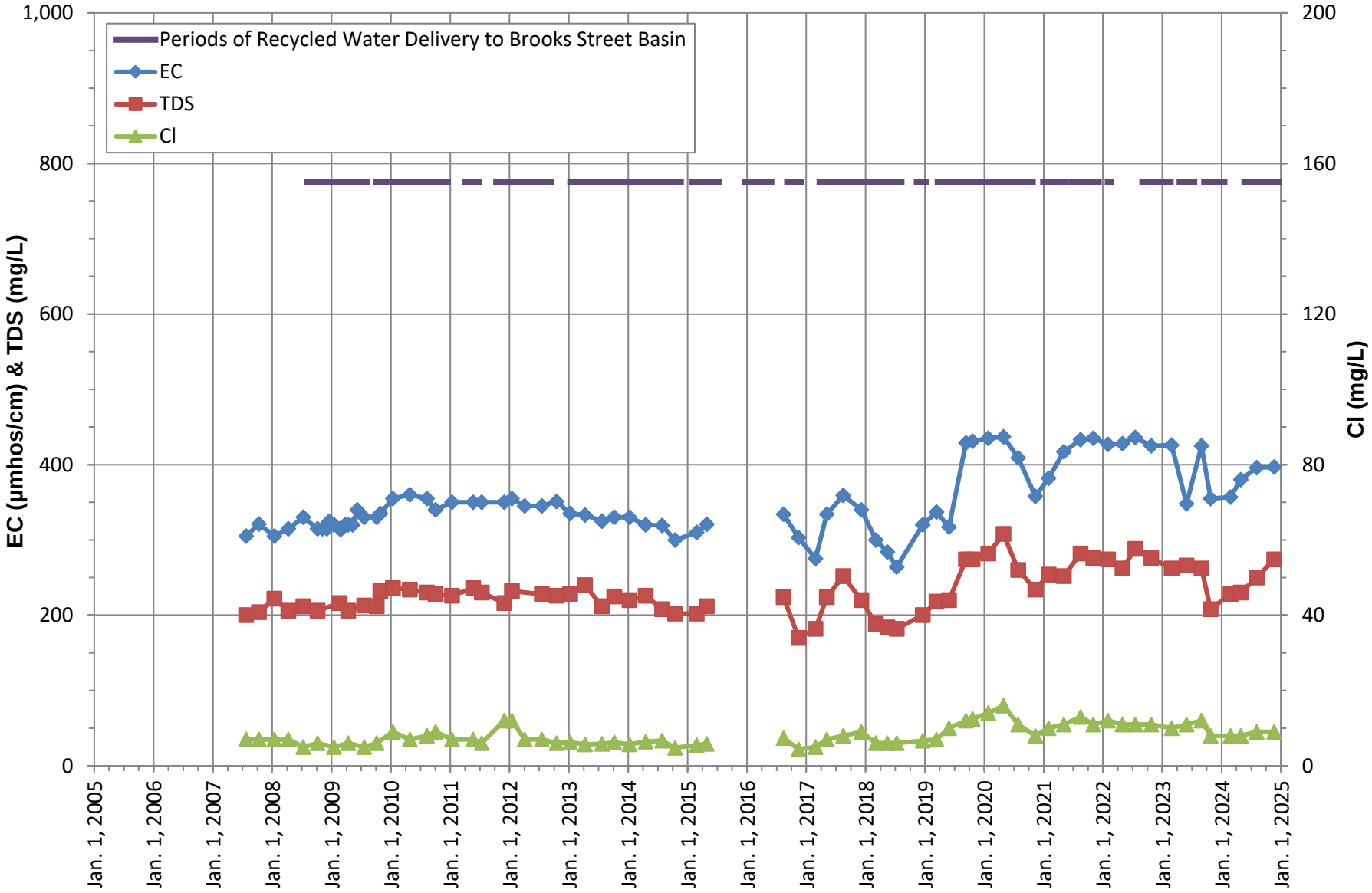
BROOKS STREET BASIN
MW BRK-1/2



EC, TDS, CHLORIDE TRENDS
BROOKS STREET BASIN
MW BRK-2/1



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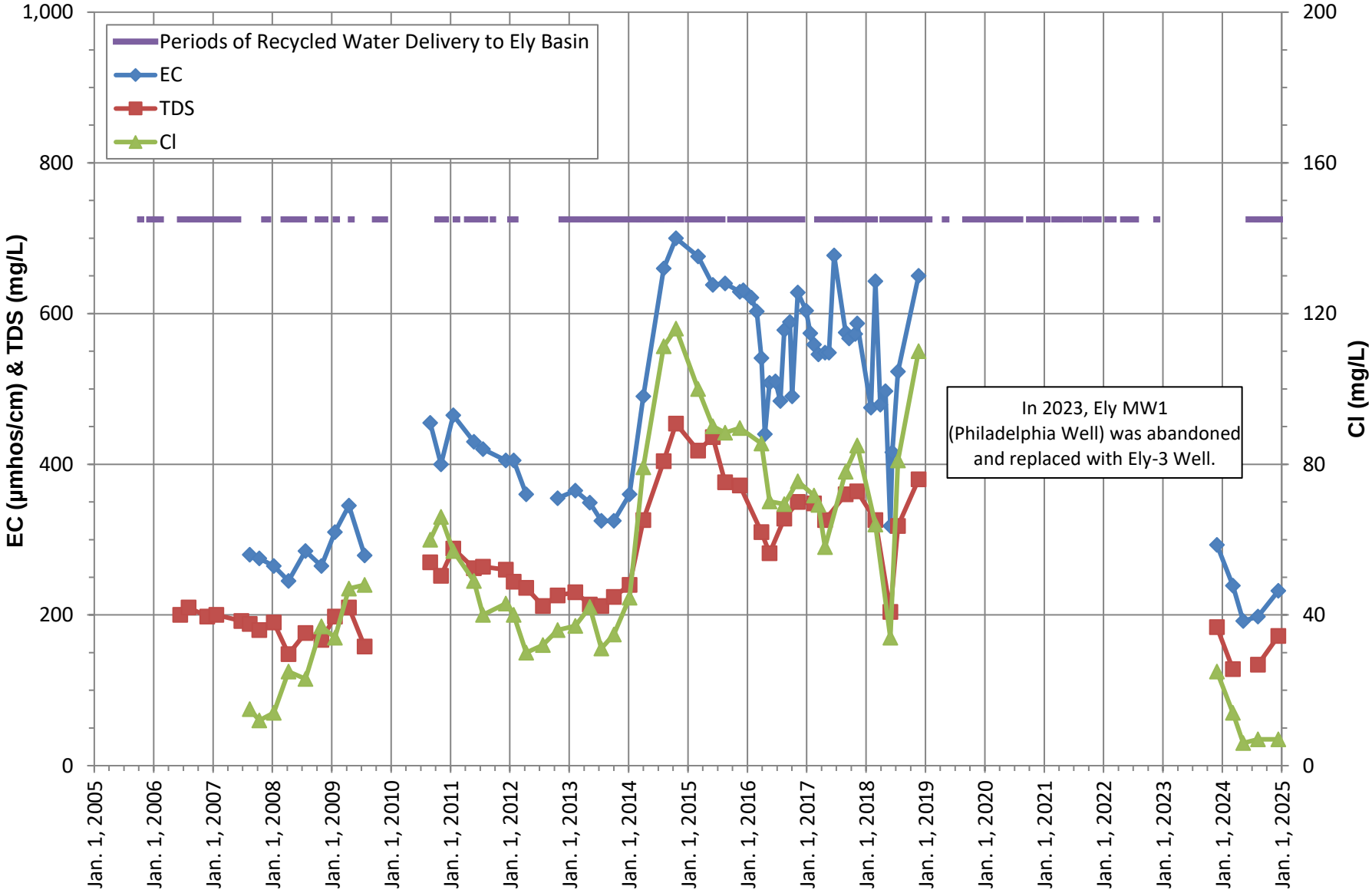
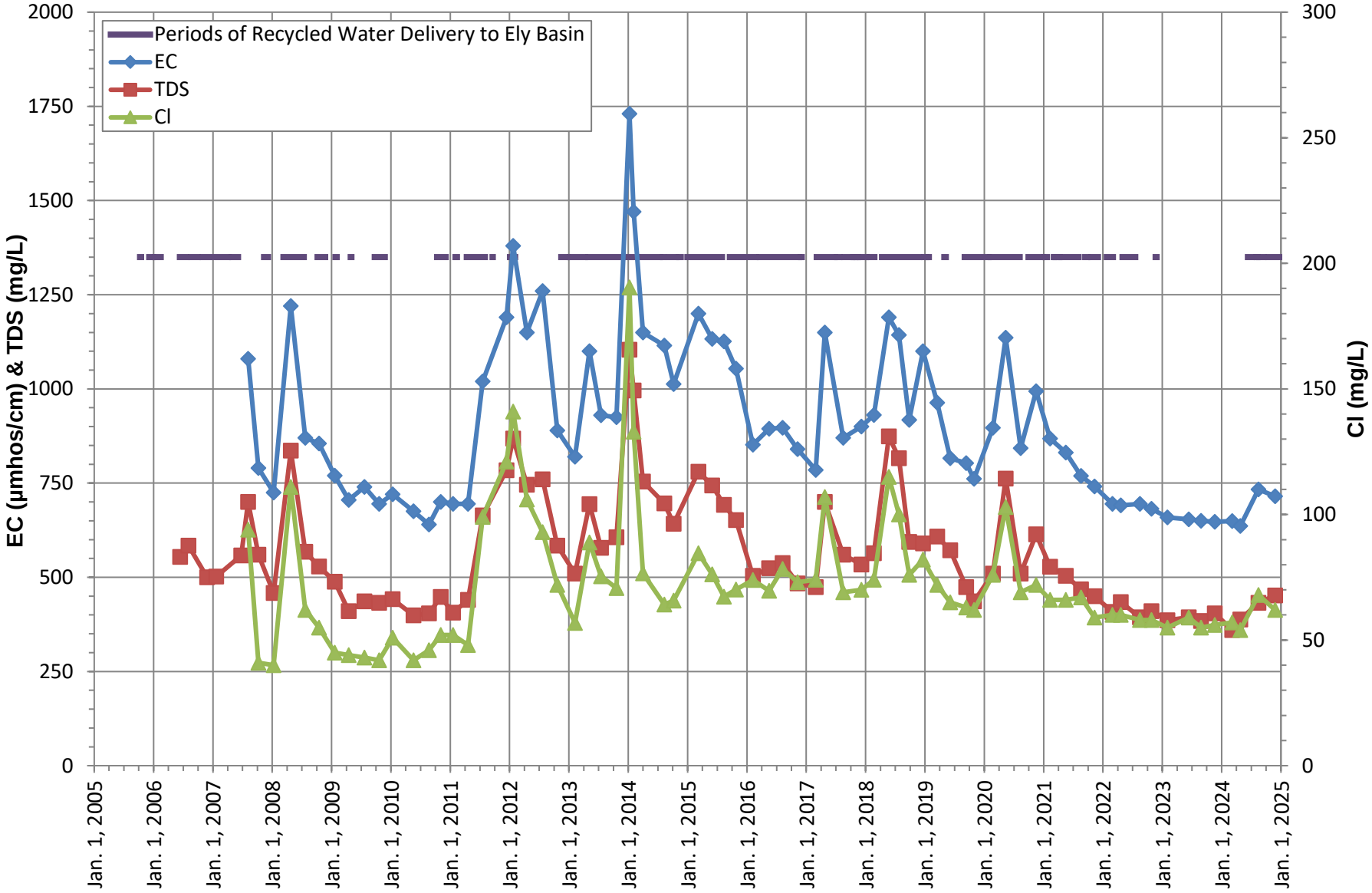
BROOKS STREET BASIN
MW BRK-2/2



EC, TDS, CHLORIDE TRENDS
ELY BASIN
ELY MW 1 (PHILADELPHIA WELL) AND ELY-3 WELL



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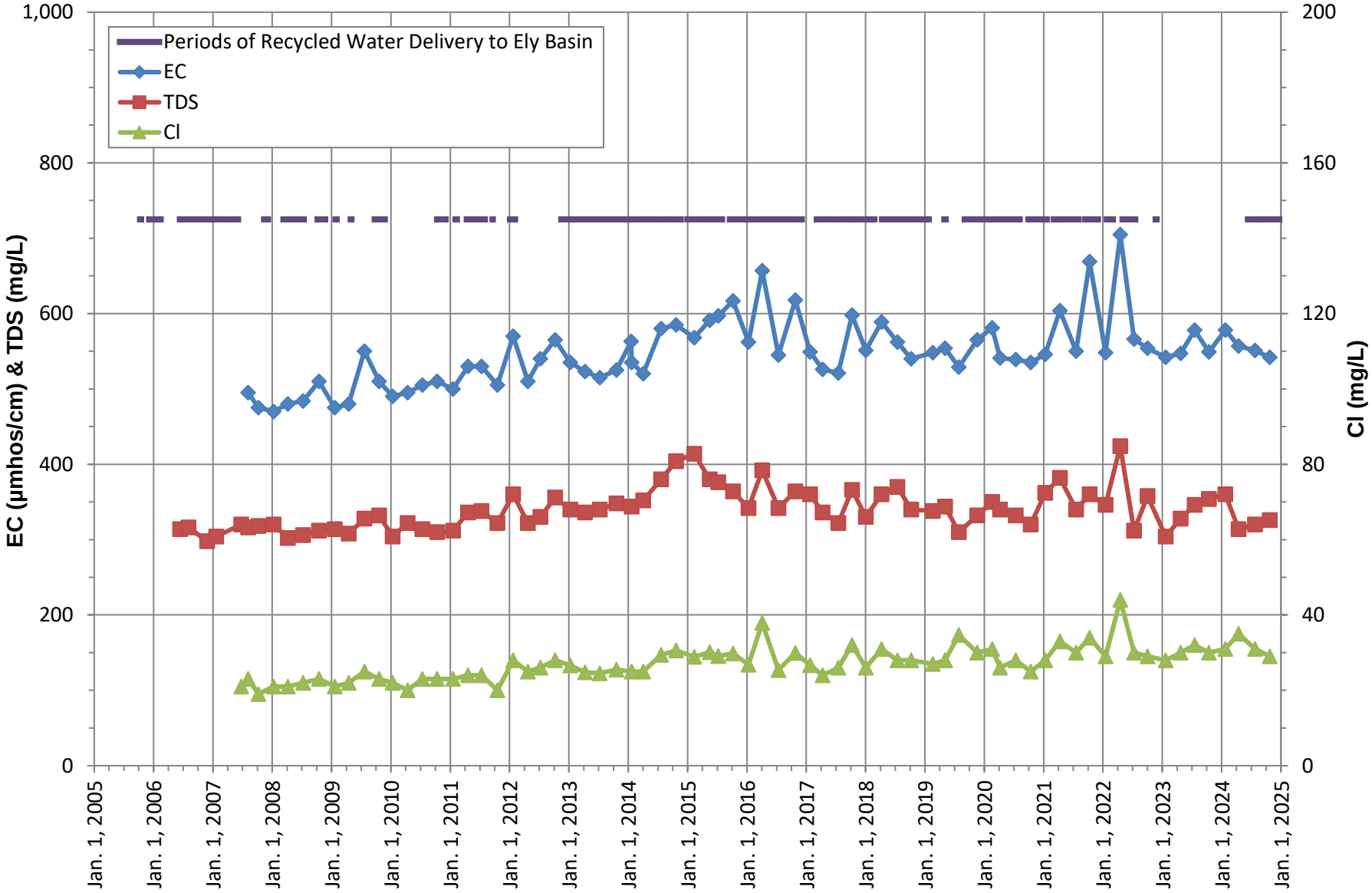
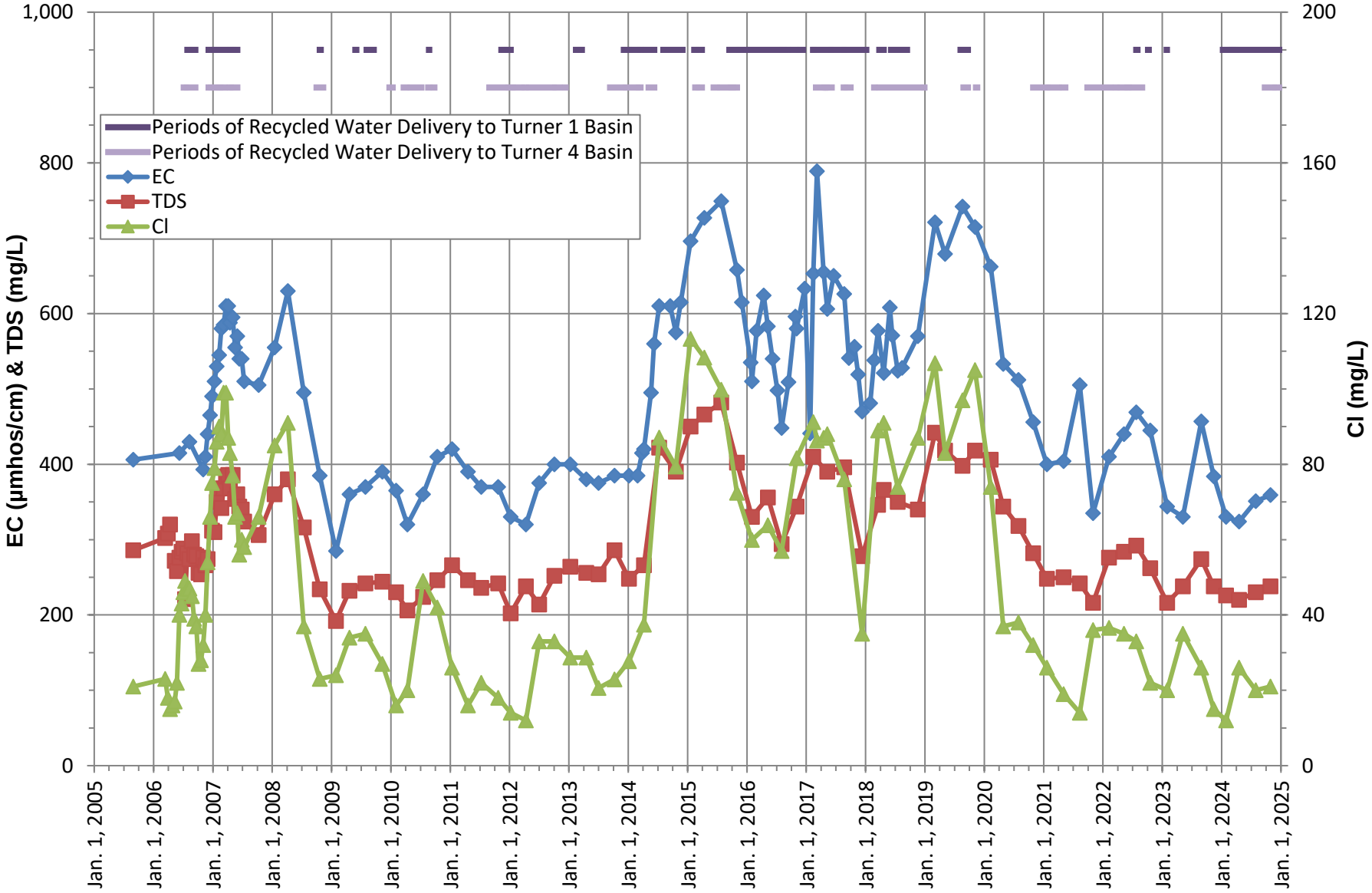
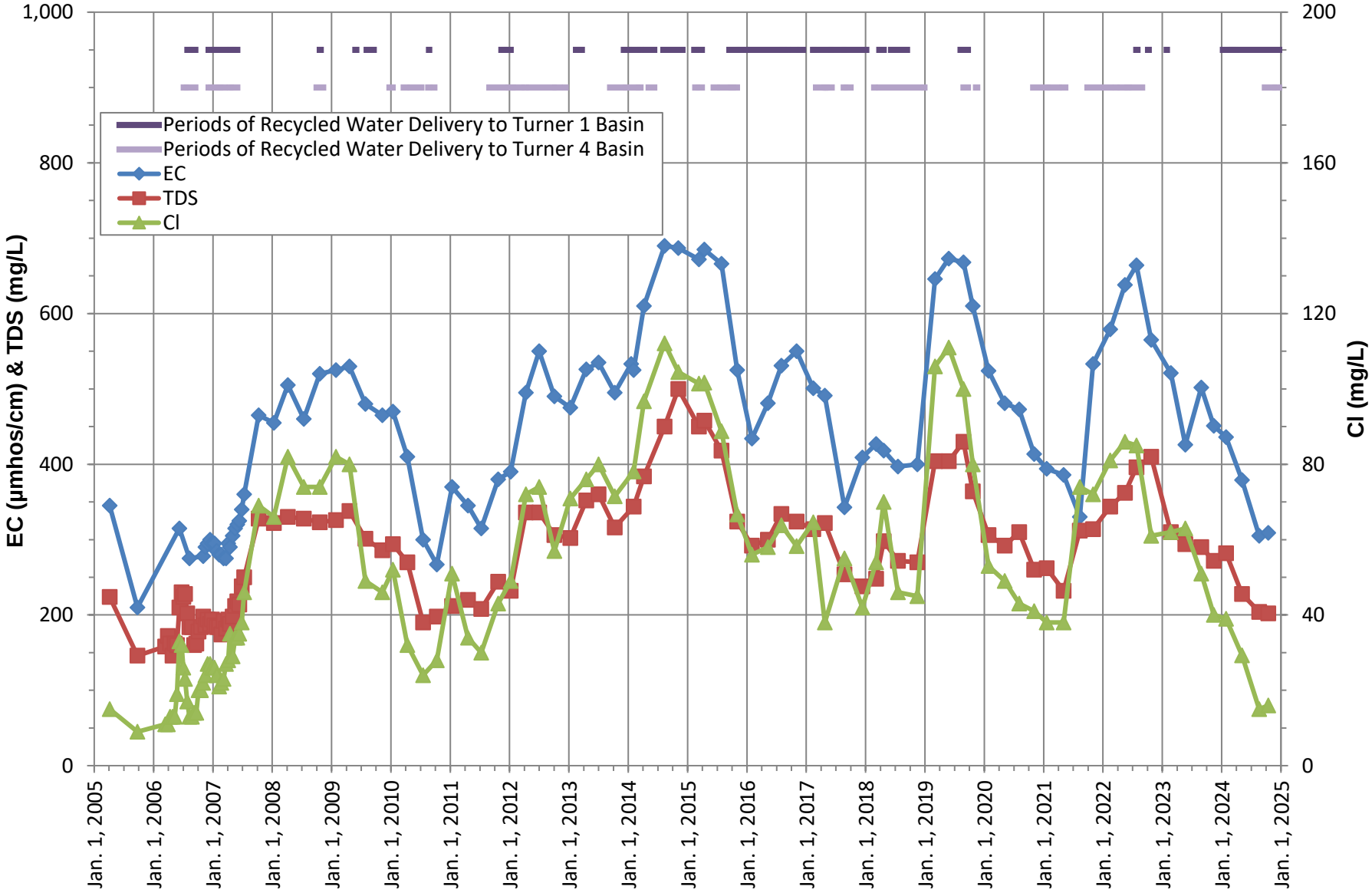
ELY BASIN
ELY MW 2 (WALNUT WELL)



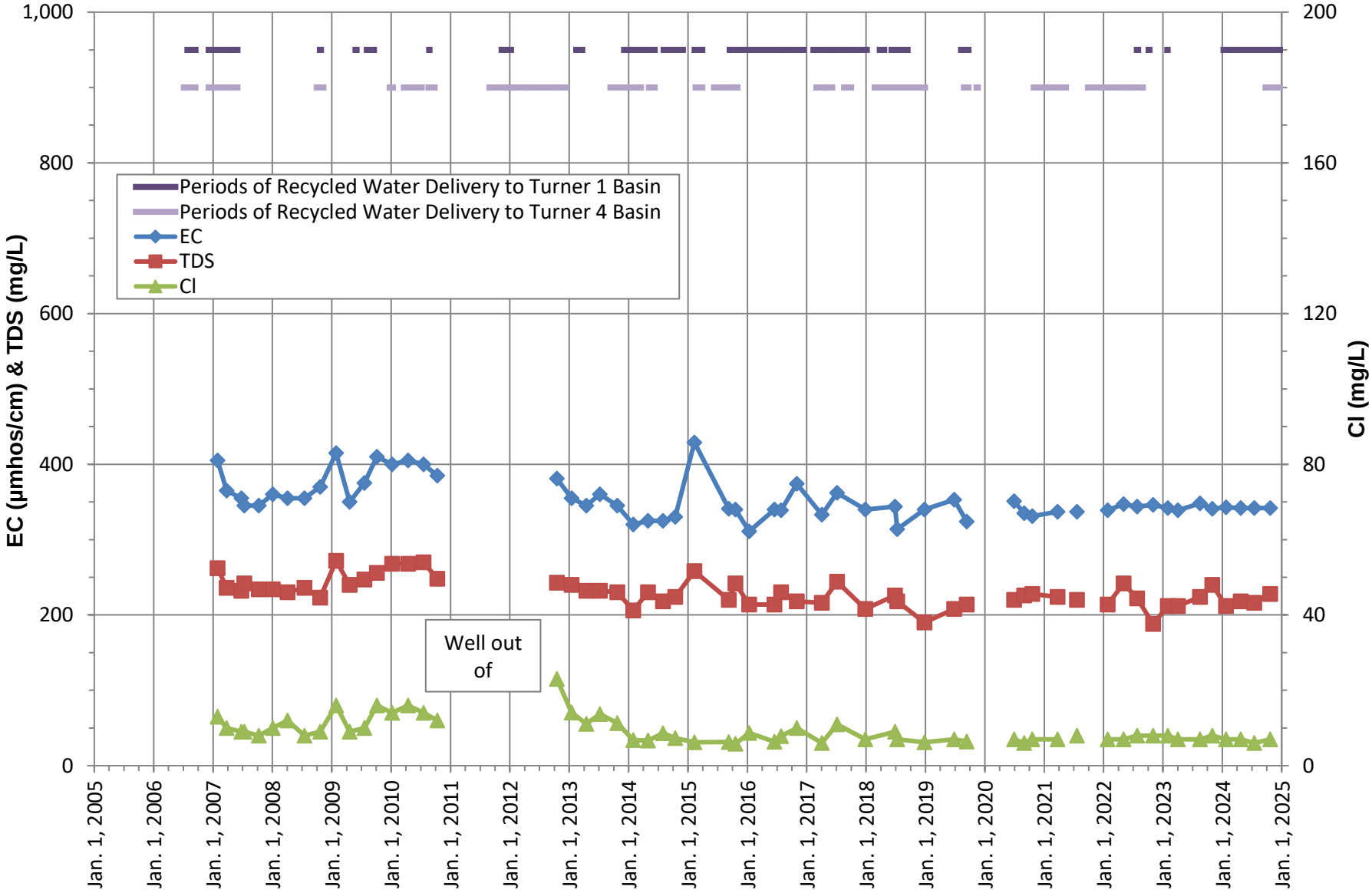
EC, TDS, CHLORIDE TRENDS
ELY BASIN
RIVERSIDE WELL



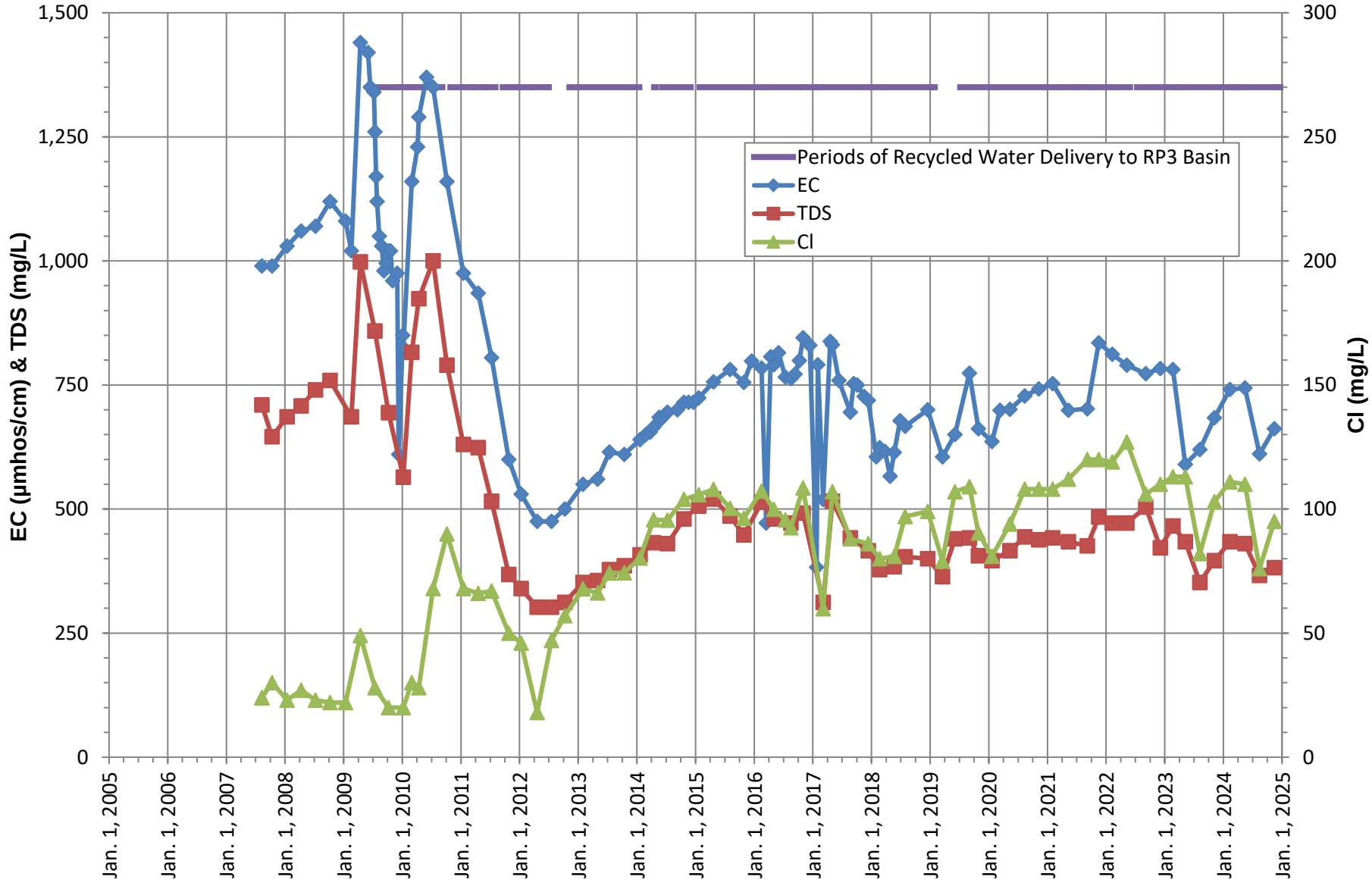
EC, TDS, CHLORIDE TRENDS
TURNER BASINS
MW T-1/2



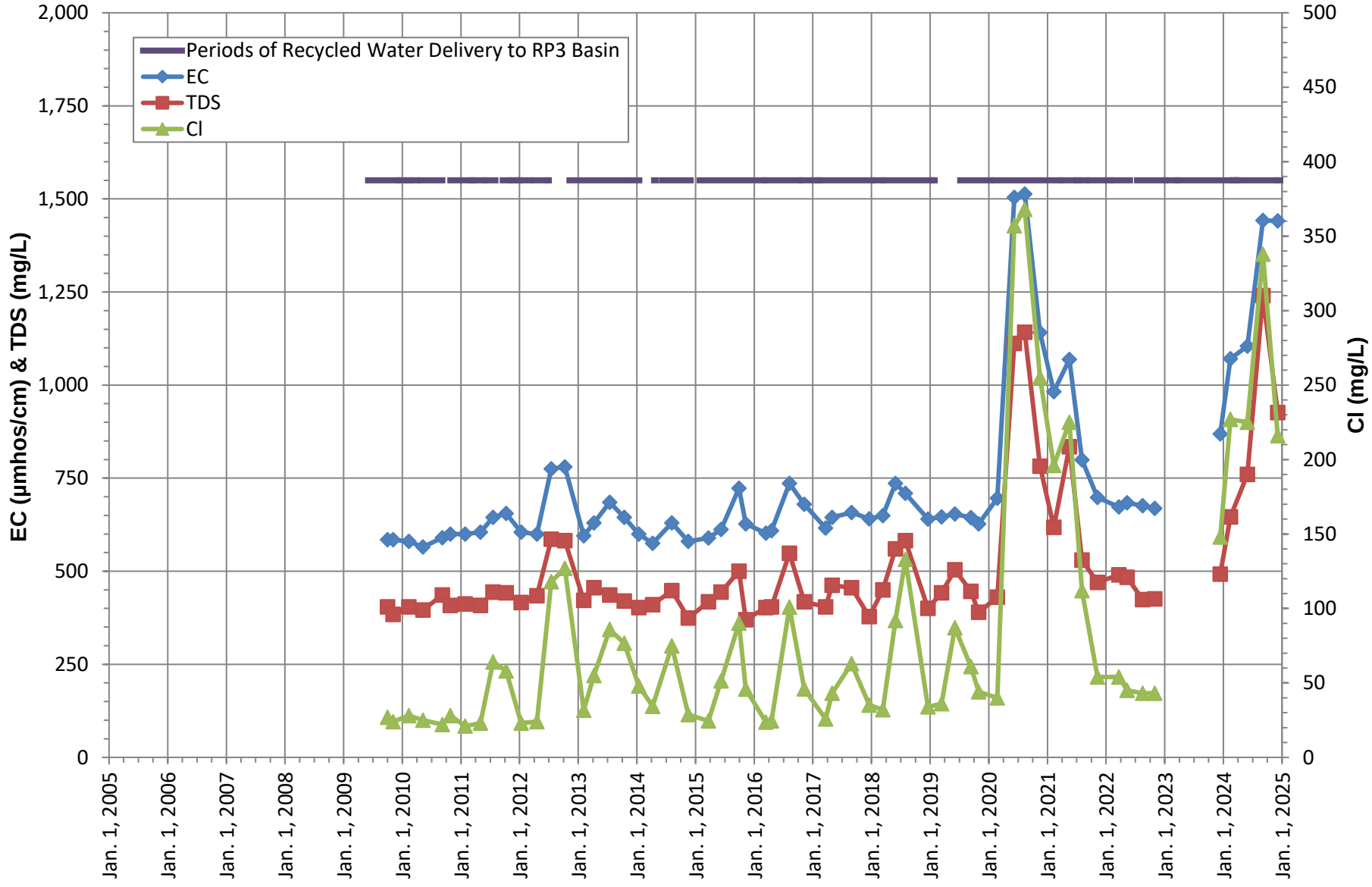
EC, TDS, CHLORIDE TRENDS
TURNER BASINS
MW T-2/2



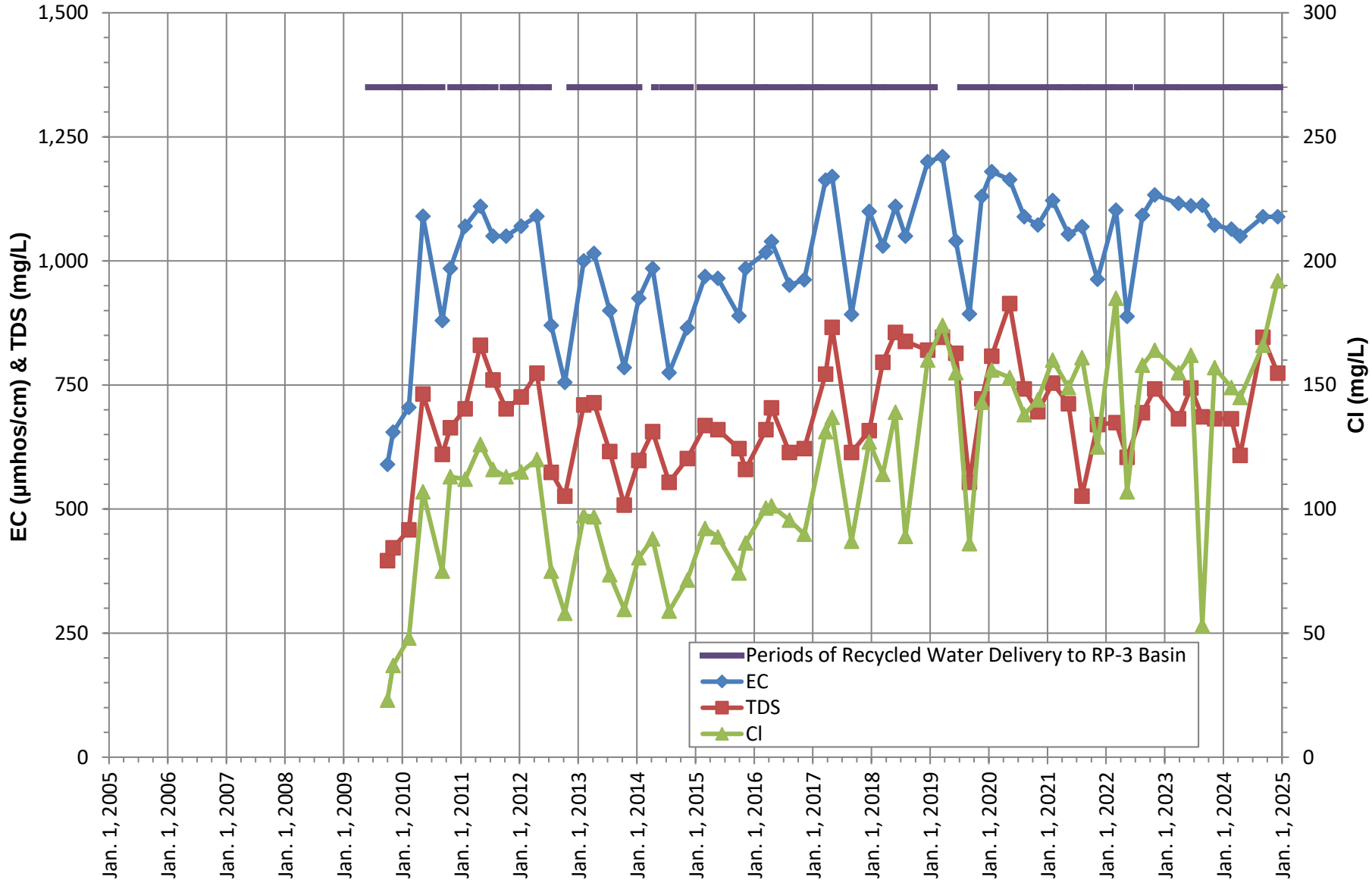
EC, TDS, CHLORIDE TRENDS
TURNER BASINS
ONTARIO NO. 29



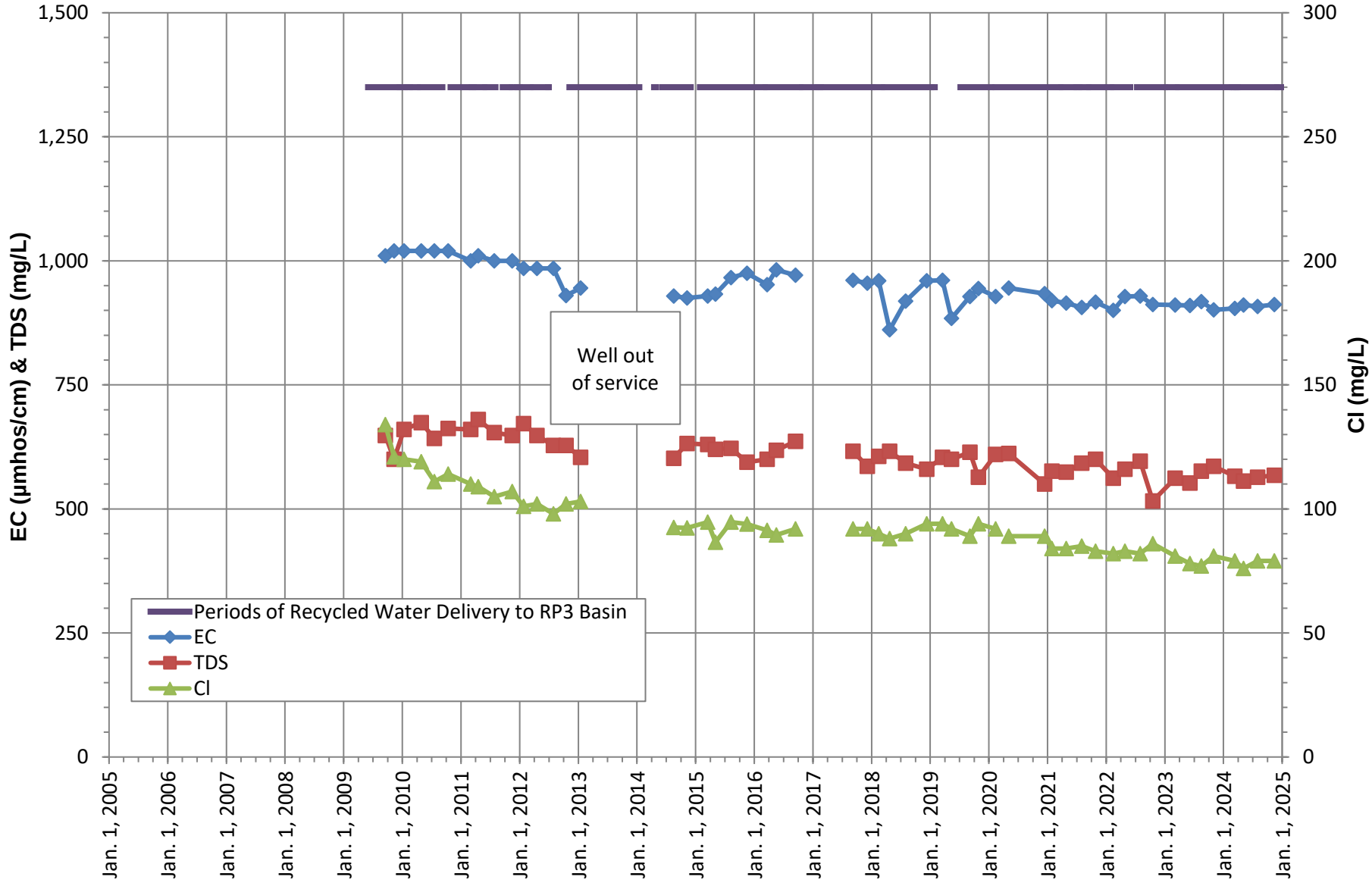
EC, TDS, CHLORIDE TRENDS
RP3 BASINS
MW RP3-1/1



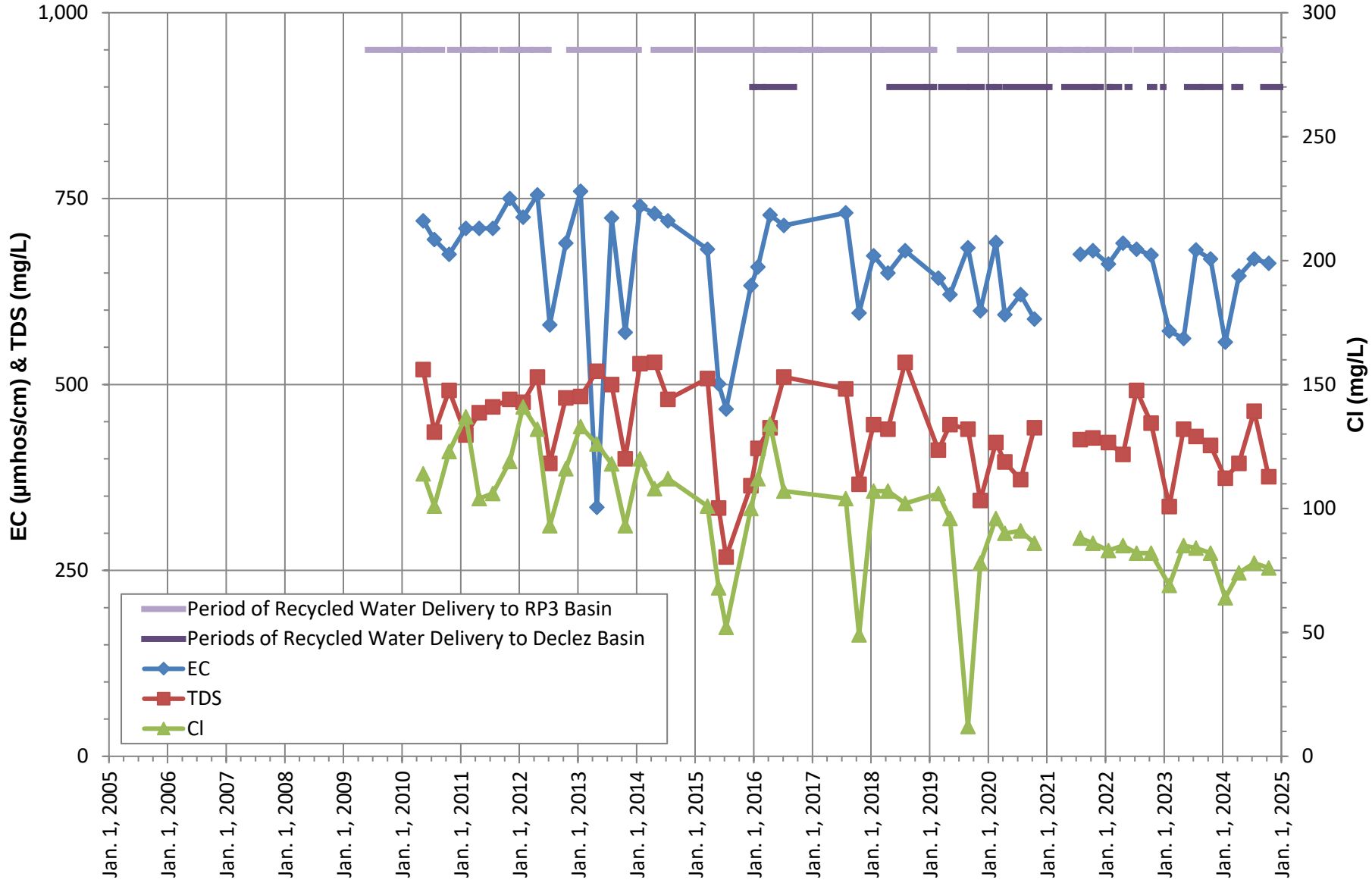
EC, TDS, CHLORIDE TRENDS
RP3 BASINS
ALCOA MW-1



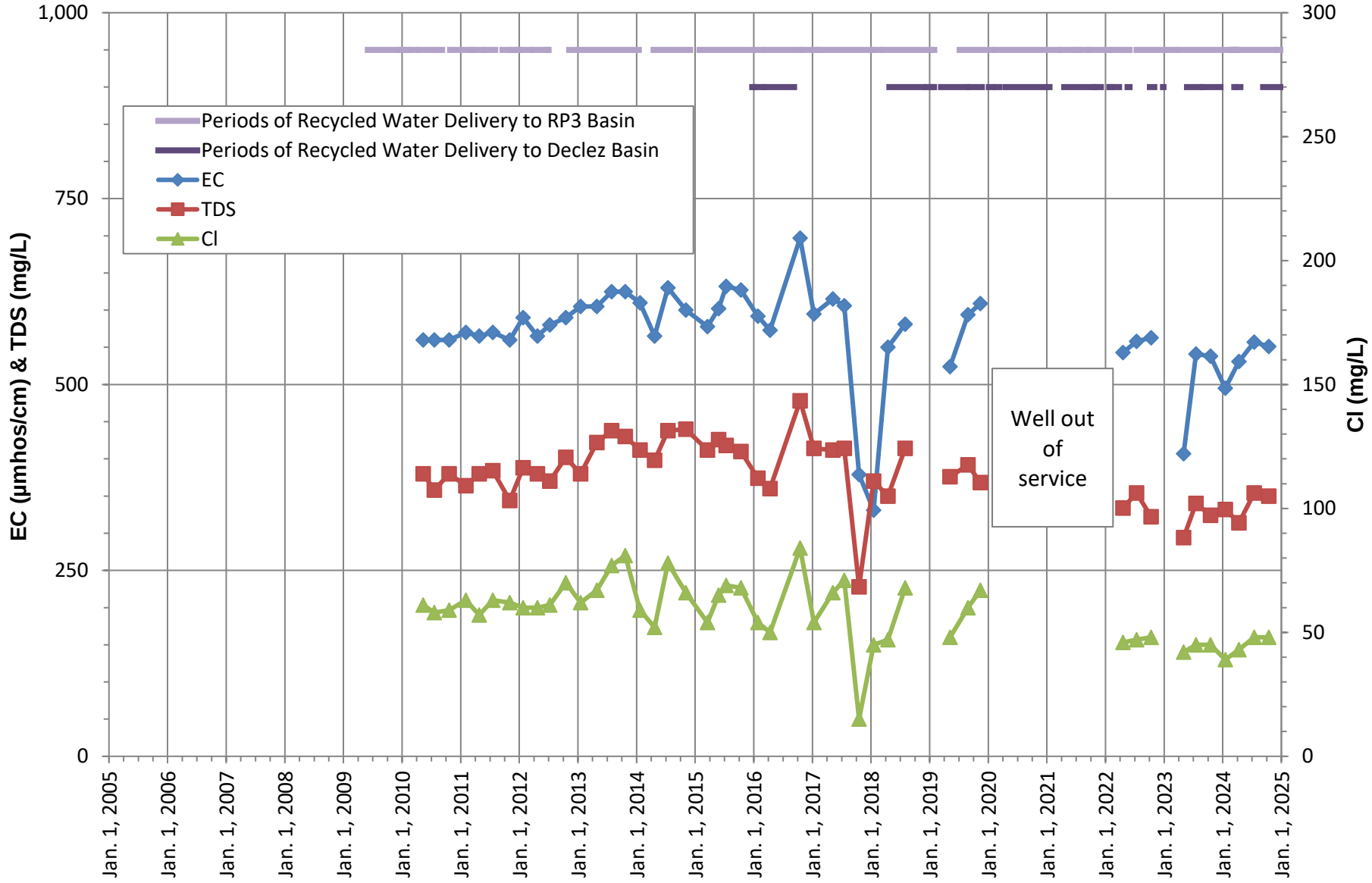
EC, TDS, CHLORIDE TRENDS
RP3 BASINS
ALCOA MW-3



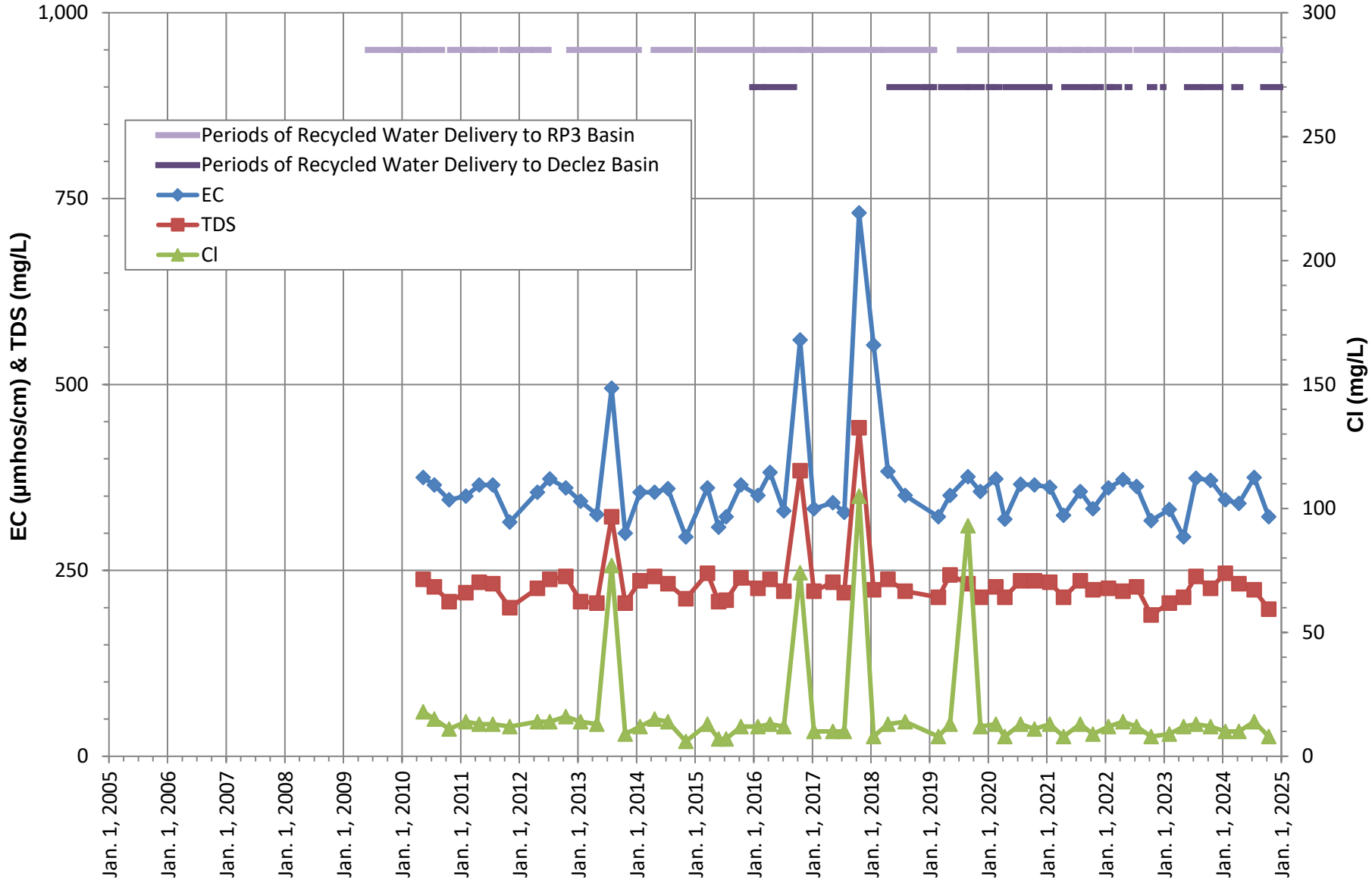
EC, TDS, CHLORIDE TRENDS
RP3 BASINS
Southridge JHS Well



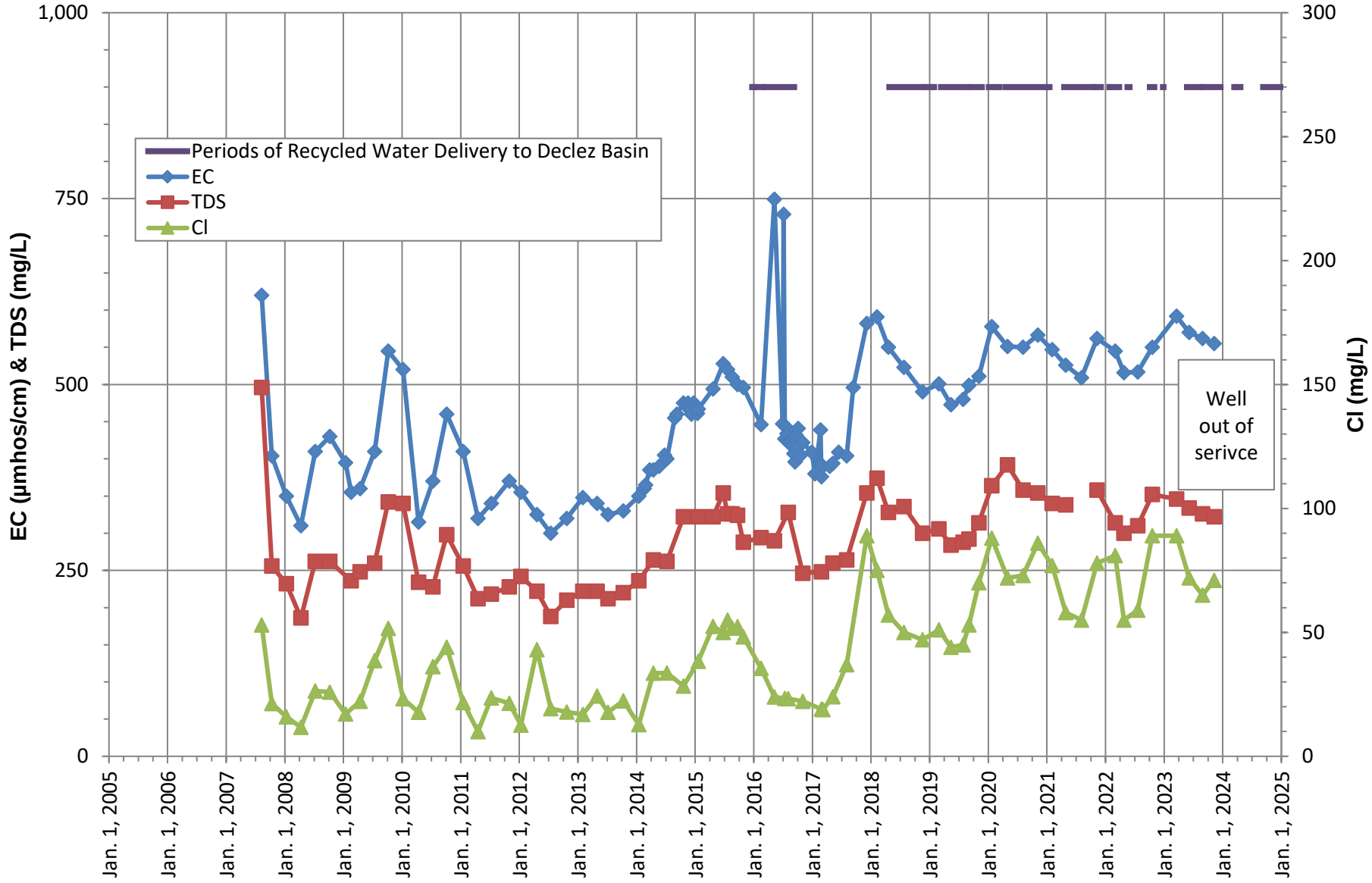
EC, TDS, CHLORIDE TRENDS
RP3 AND DECLEZ BASINS
JCSD Well No. 13



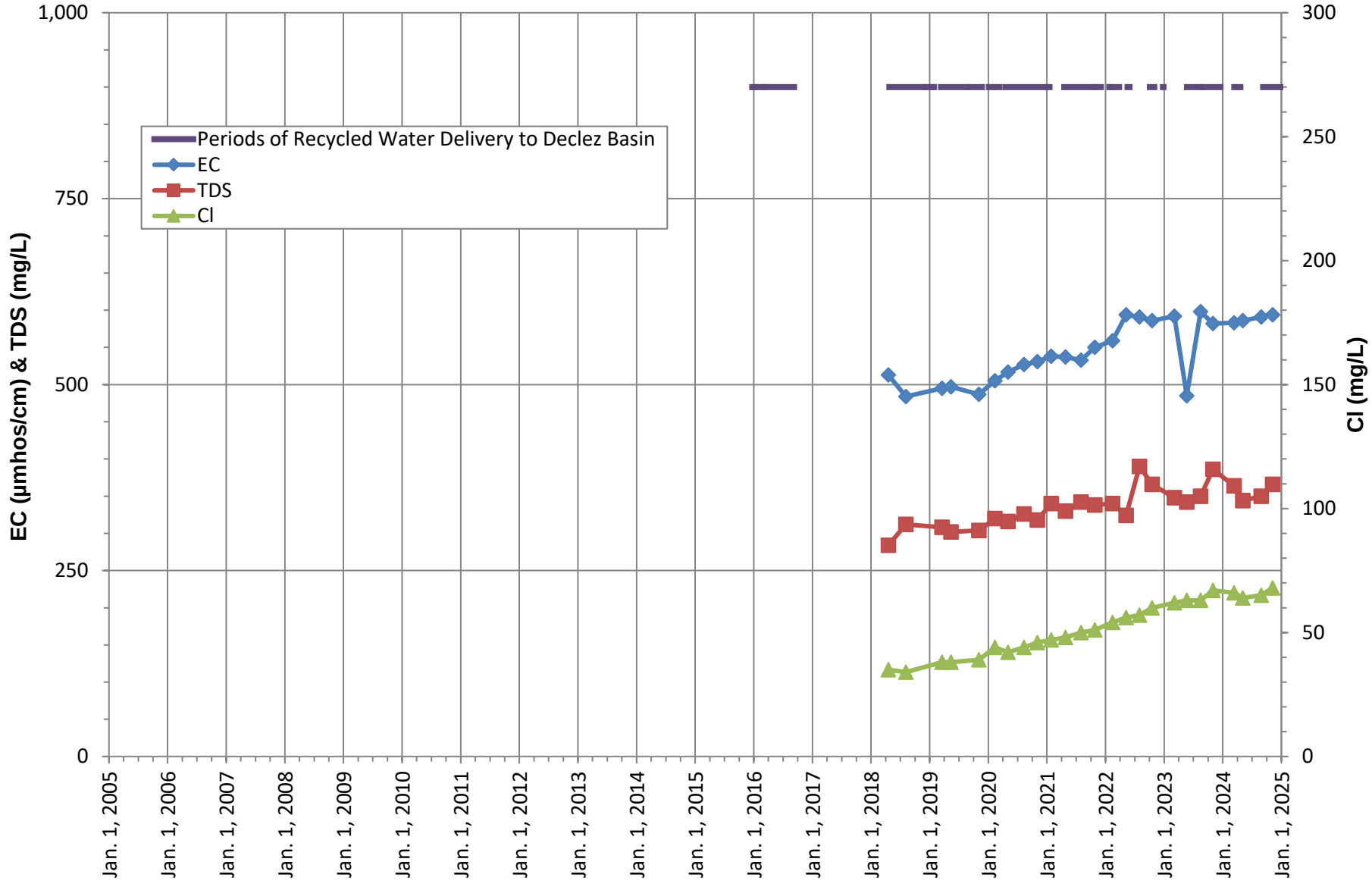
EC, TDS, CHLORIDE TRENDS
RP3 AND DECLEZ BASINS
JCSD Well No. 17



EC, TDS, CHLORIDE TRENDS
RP3 AND DECLEZ BASINS
JCSD Well No. 19



EC, TDS, CHLORIDE TRENDS
DECLEZ BASIN
DCZ-1/1



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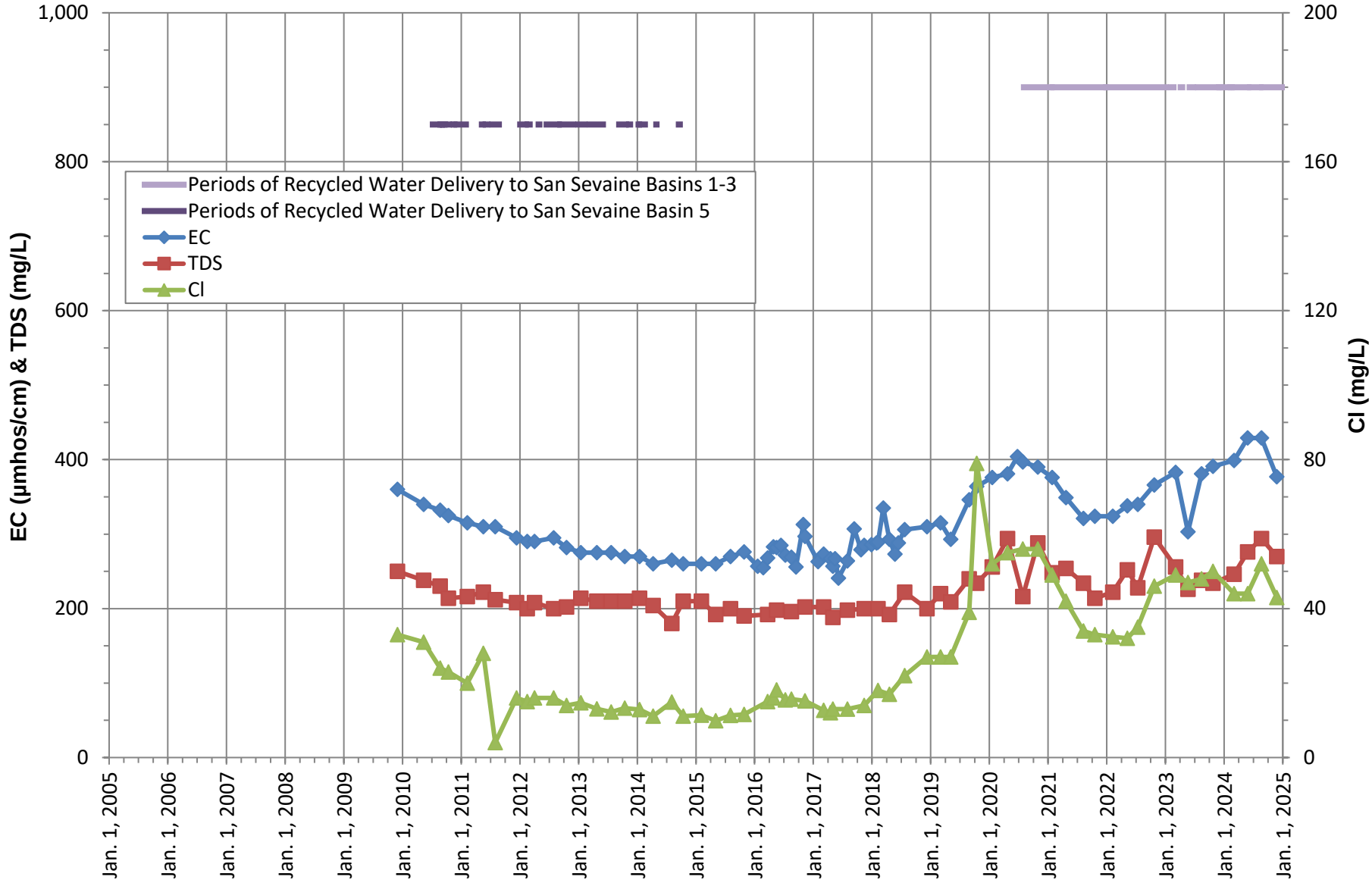
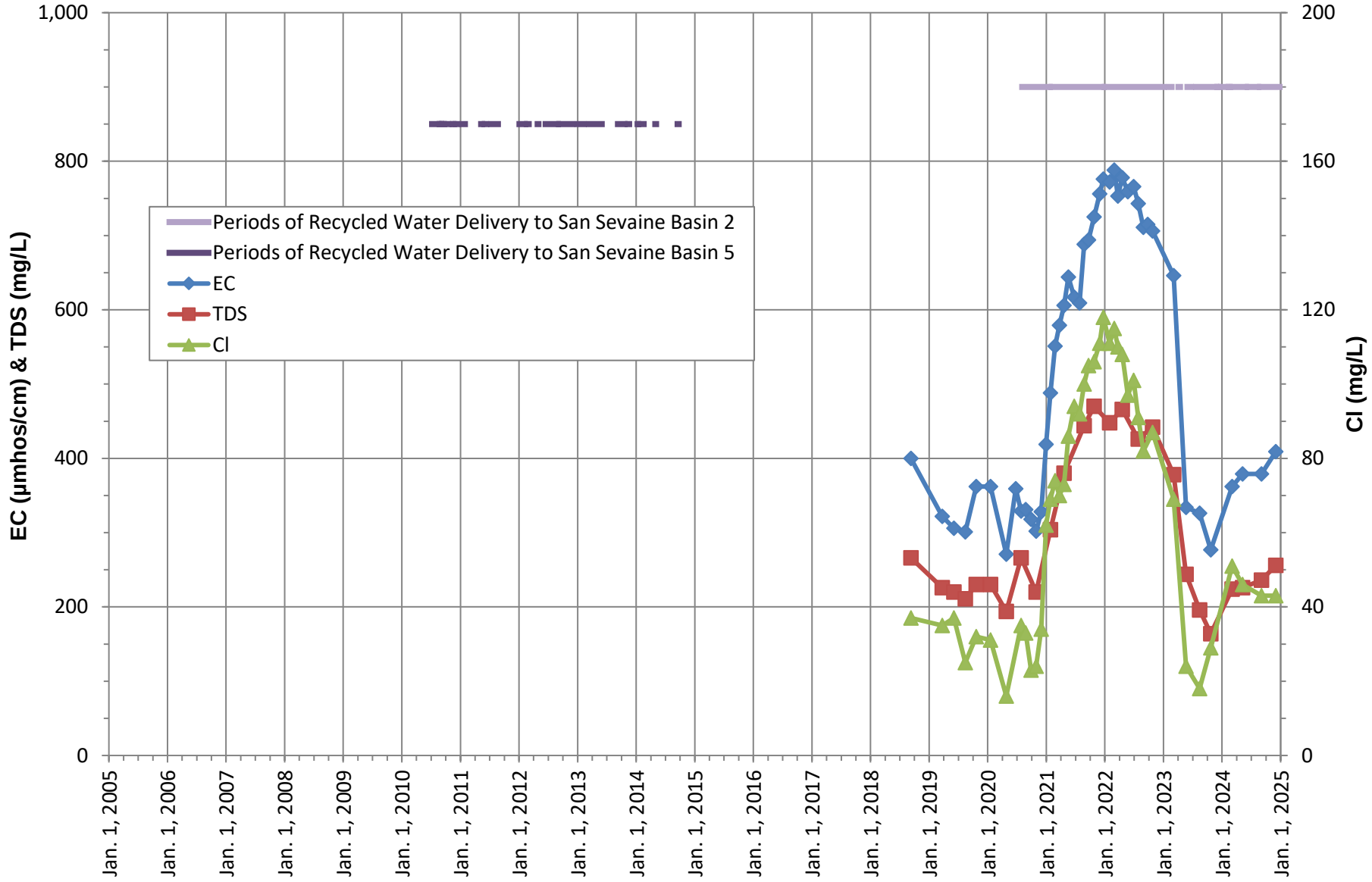
DECLEZ BASIN
DCZ-2



EC, TDS, CHLORIDE TRENDS
SAN SEVAINE BASINS
SS-1/1



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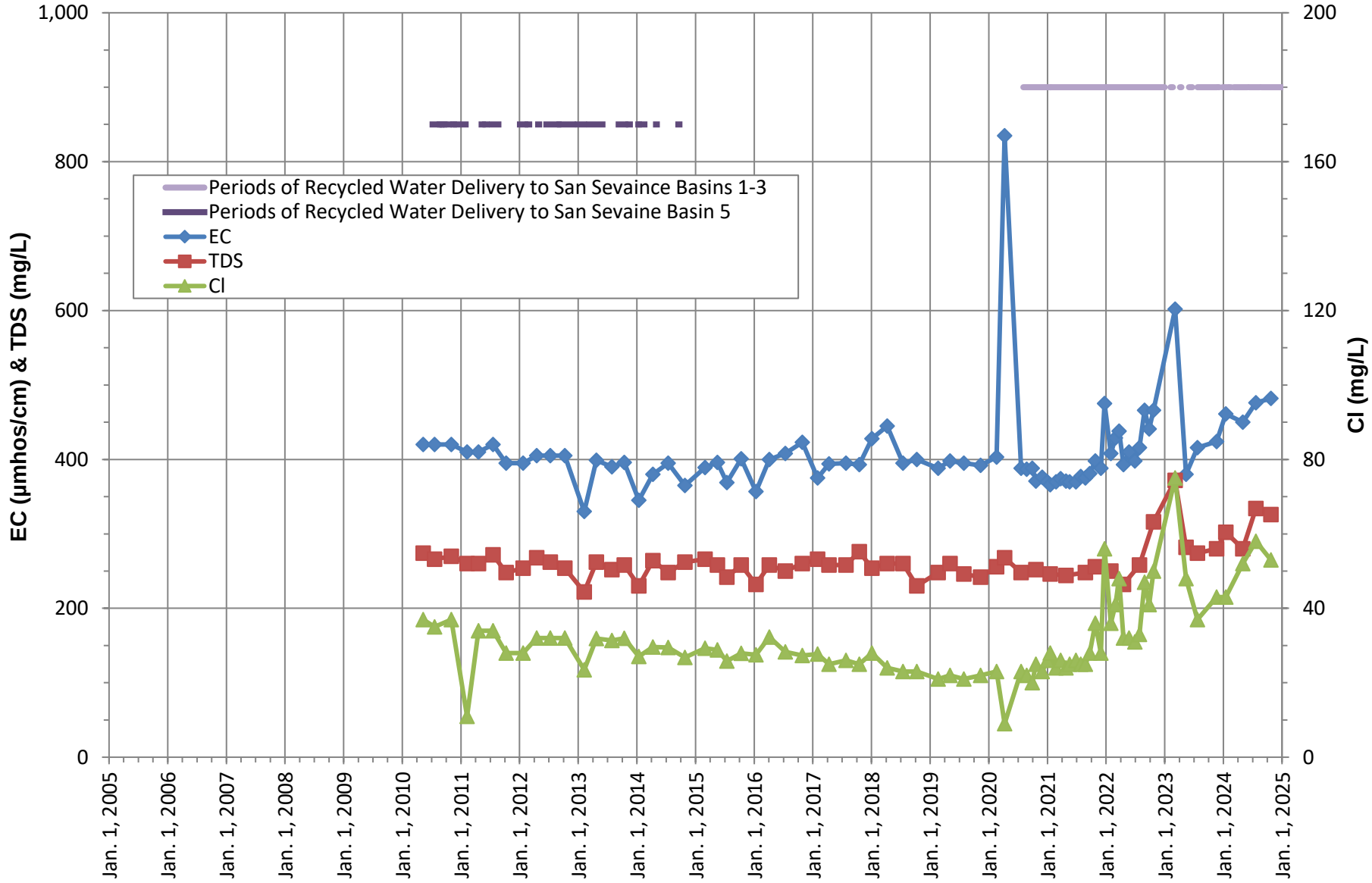
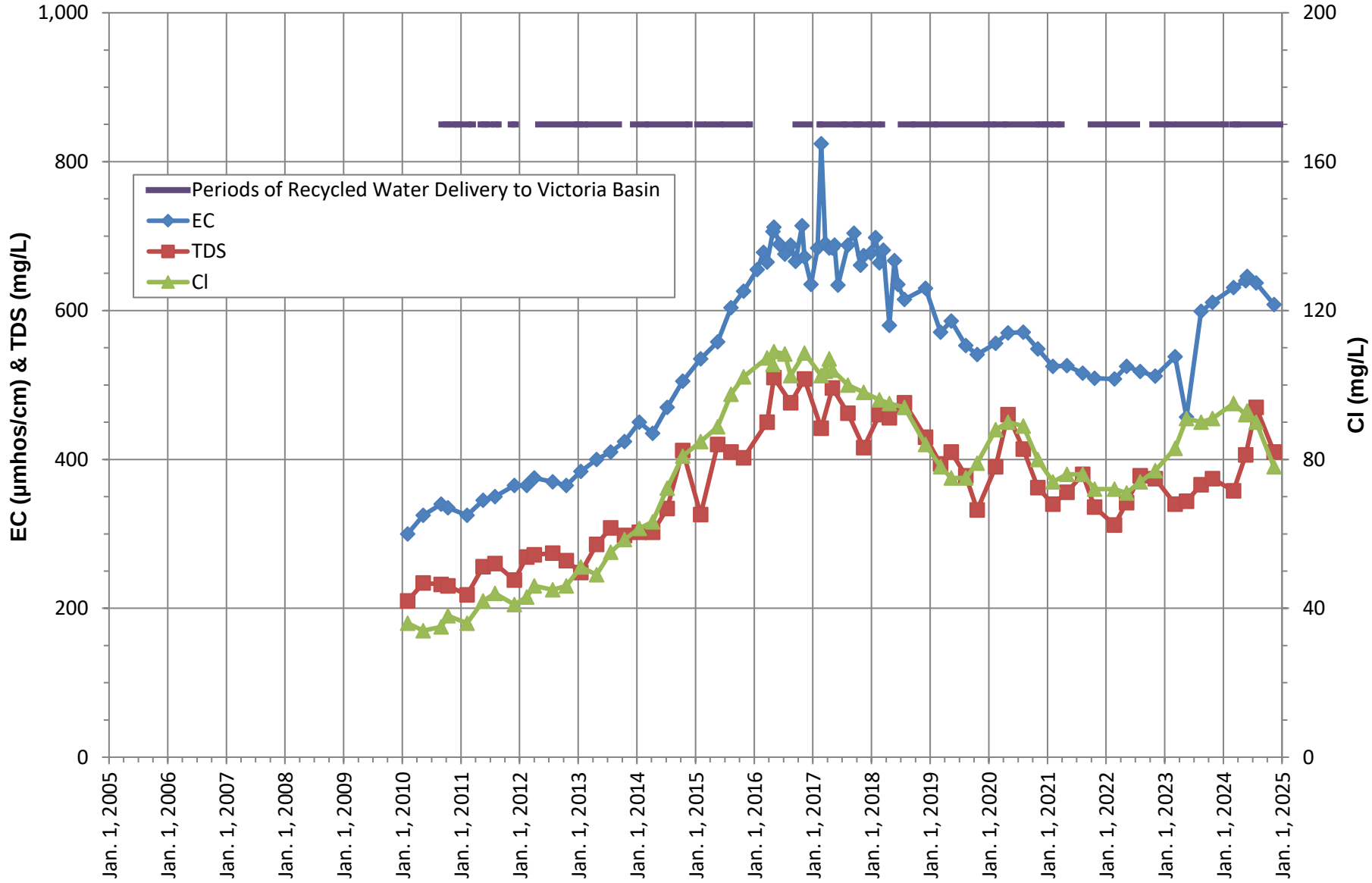
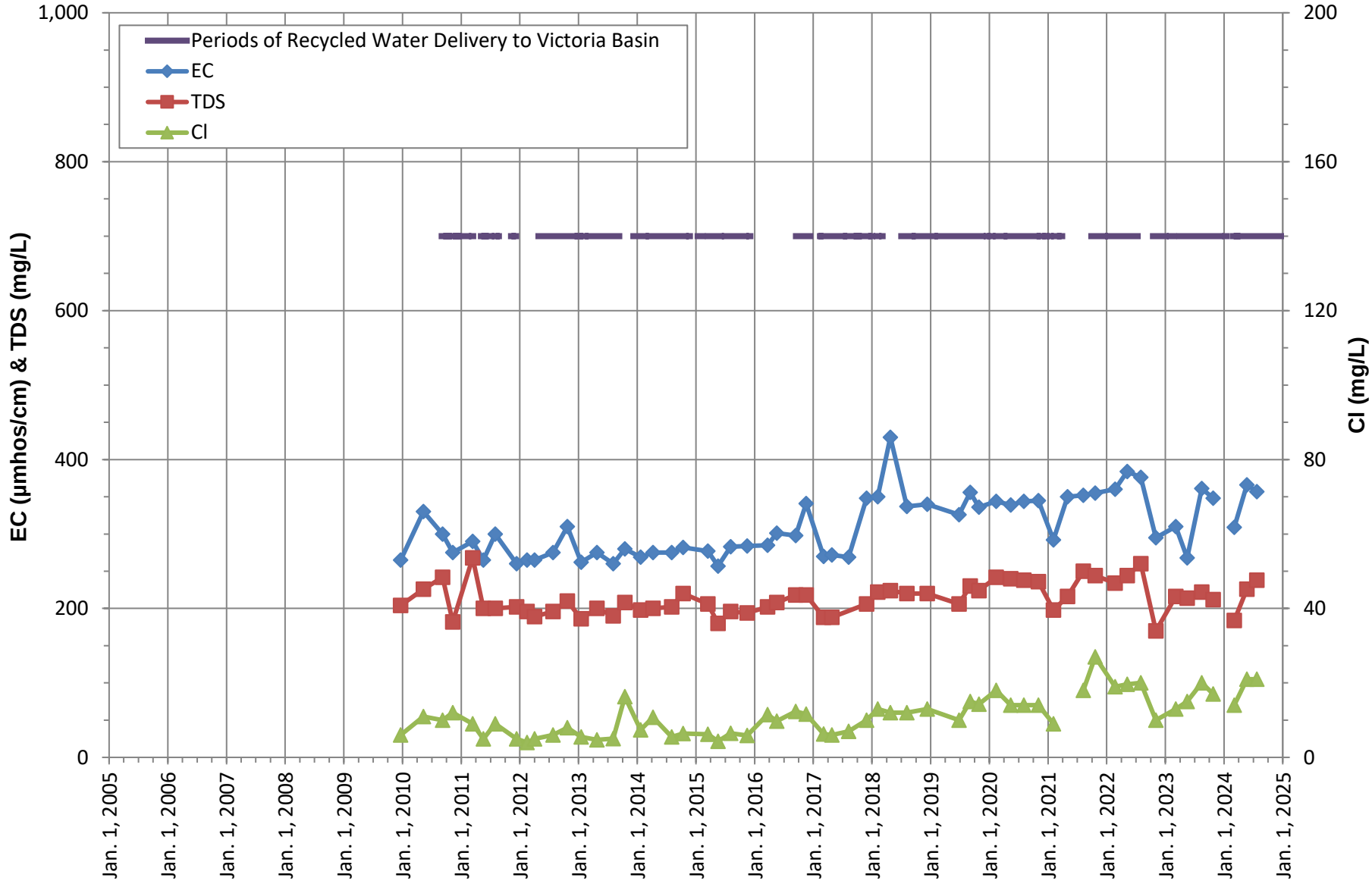
SAN SEVAINE BASINS
SSV-2



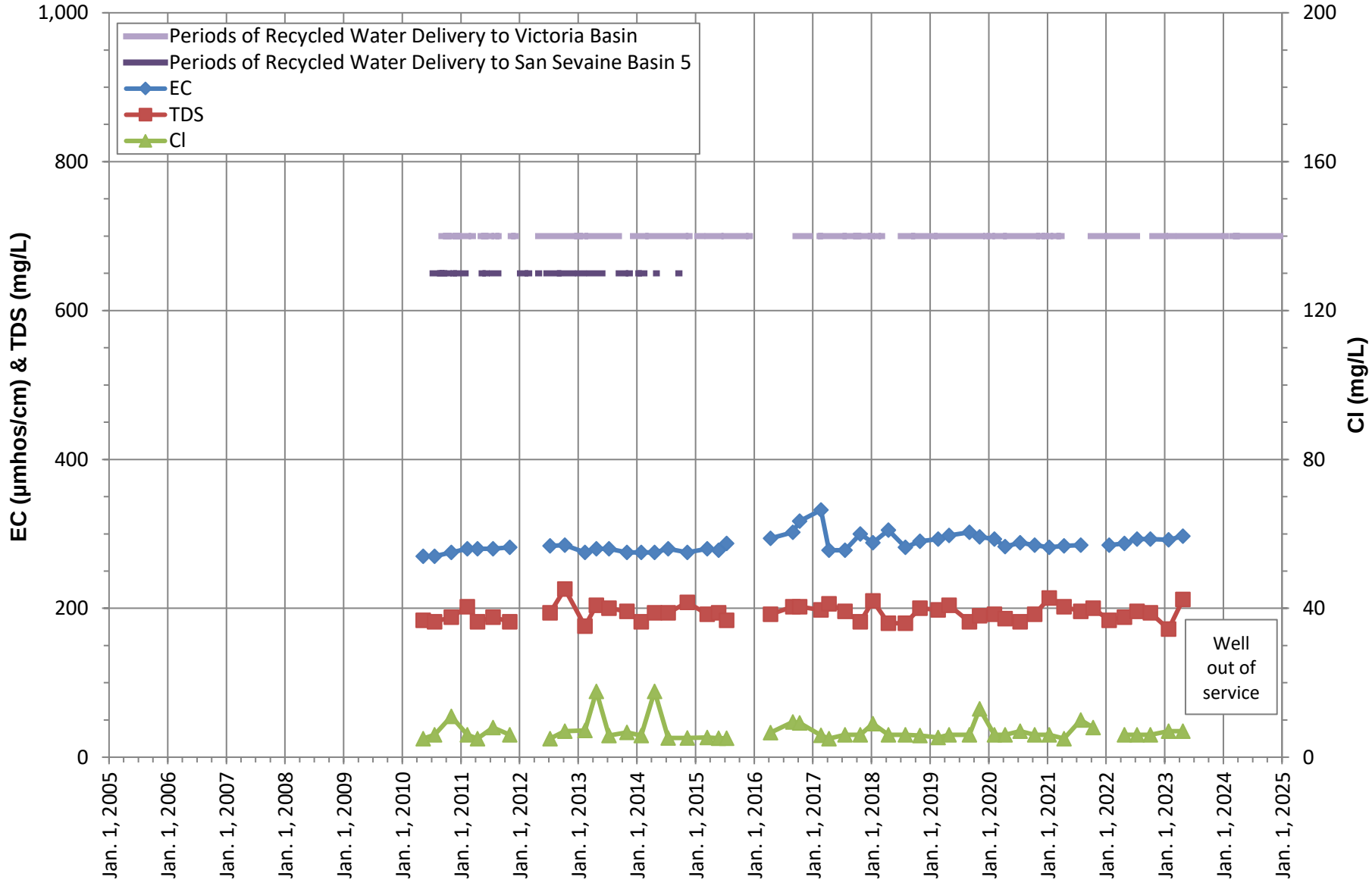
EC, TDS, CHLORIDE TRENDS
SAN SEVAINE BASINS
Unitex 91090



EC, TDS, CHLORIDE TRENDS
VICTORIA BASIN
VCT-1/1



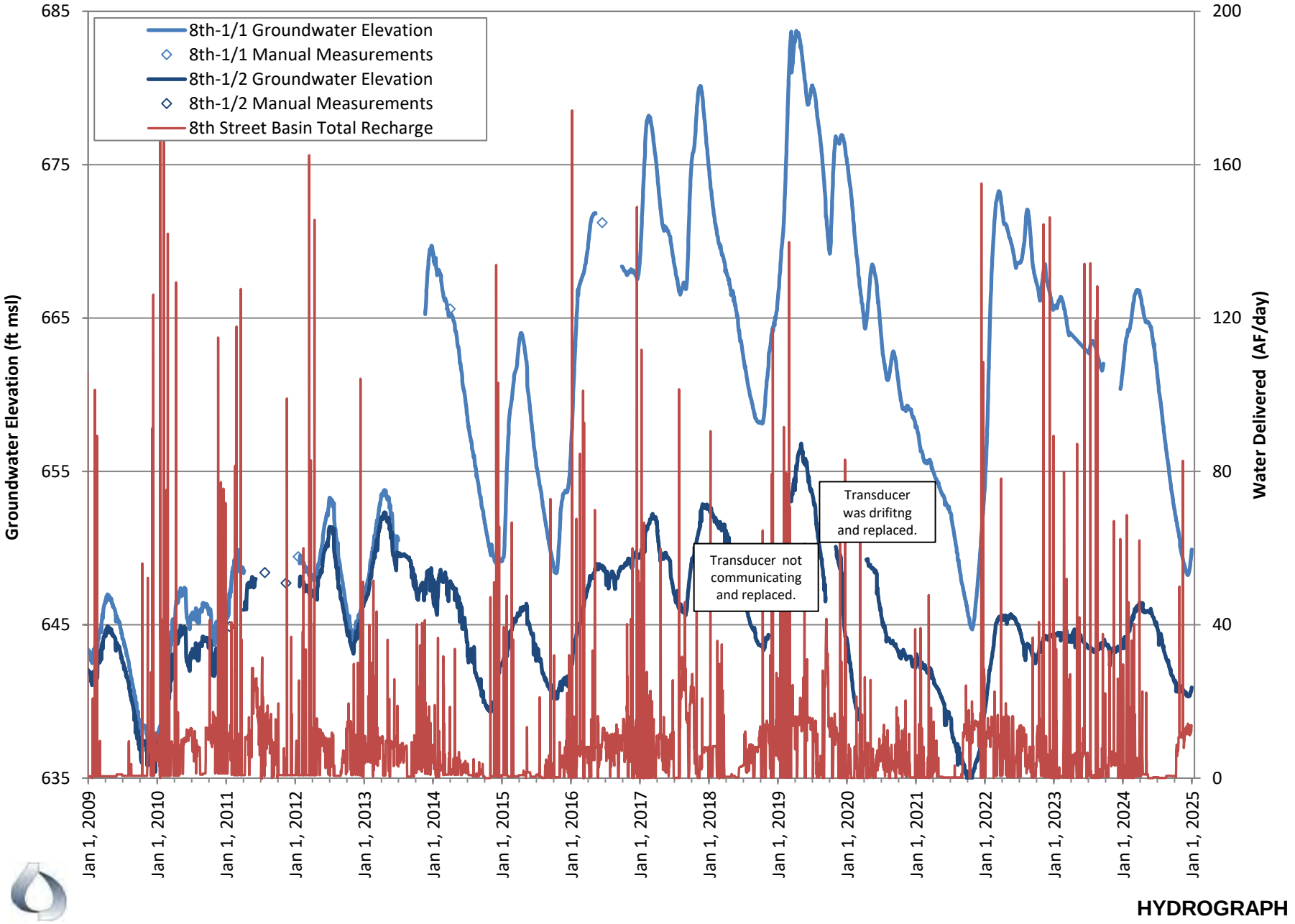
EC, TDS, CHLORIDE TRENDS
VICTORIA BASIN
VCT-2/2



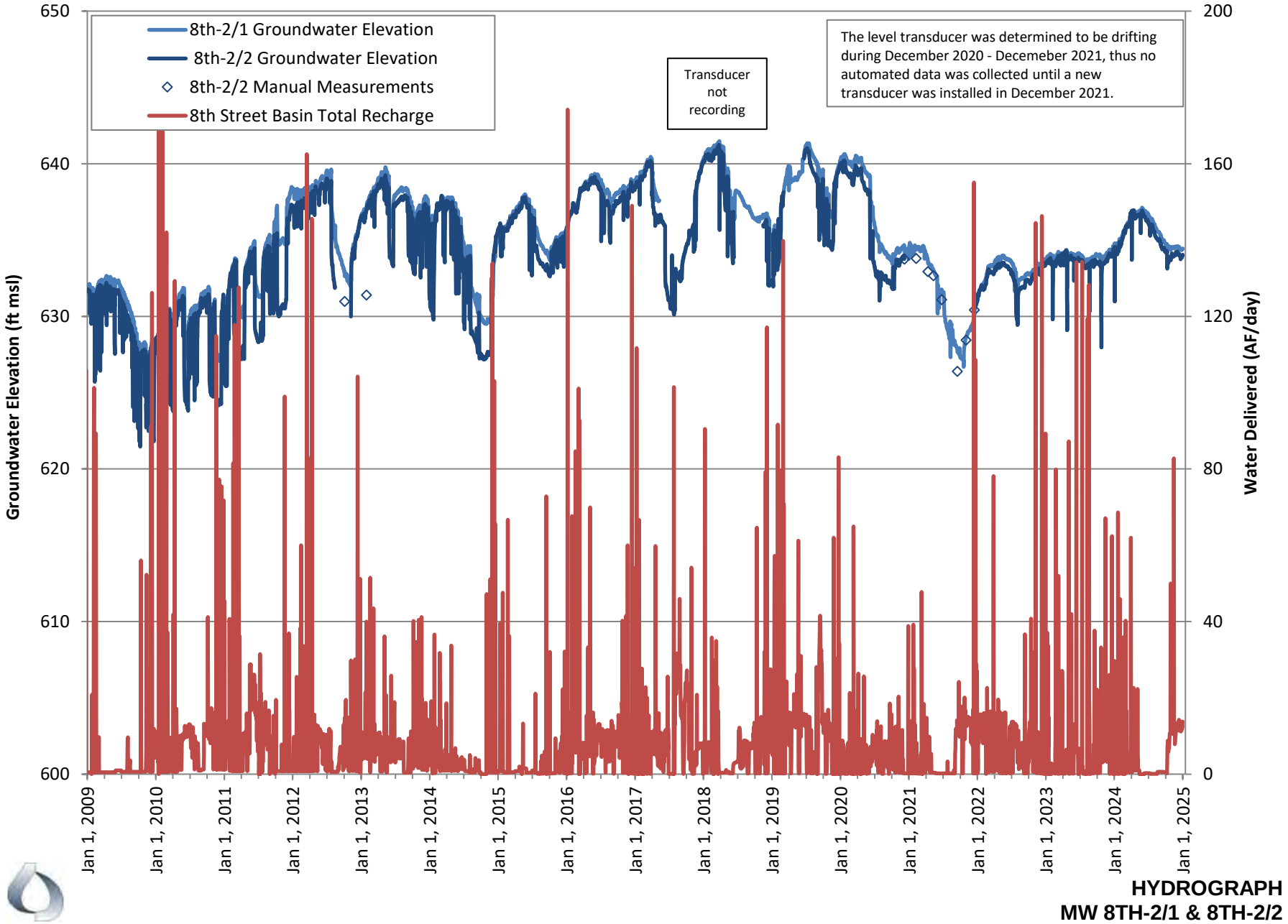
EC, TDS, CHLORIDE TRENDS
SAN SEVAINE & VICTORIA BASINS
CVWD Well No. 39

APPENDIX D

MONITORING WELL HYDROGRAPHS



HYDROGRAPH
MW 8TH-1/1 & 8TH-1/2



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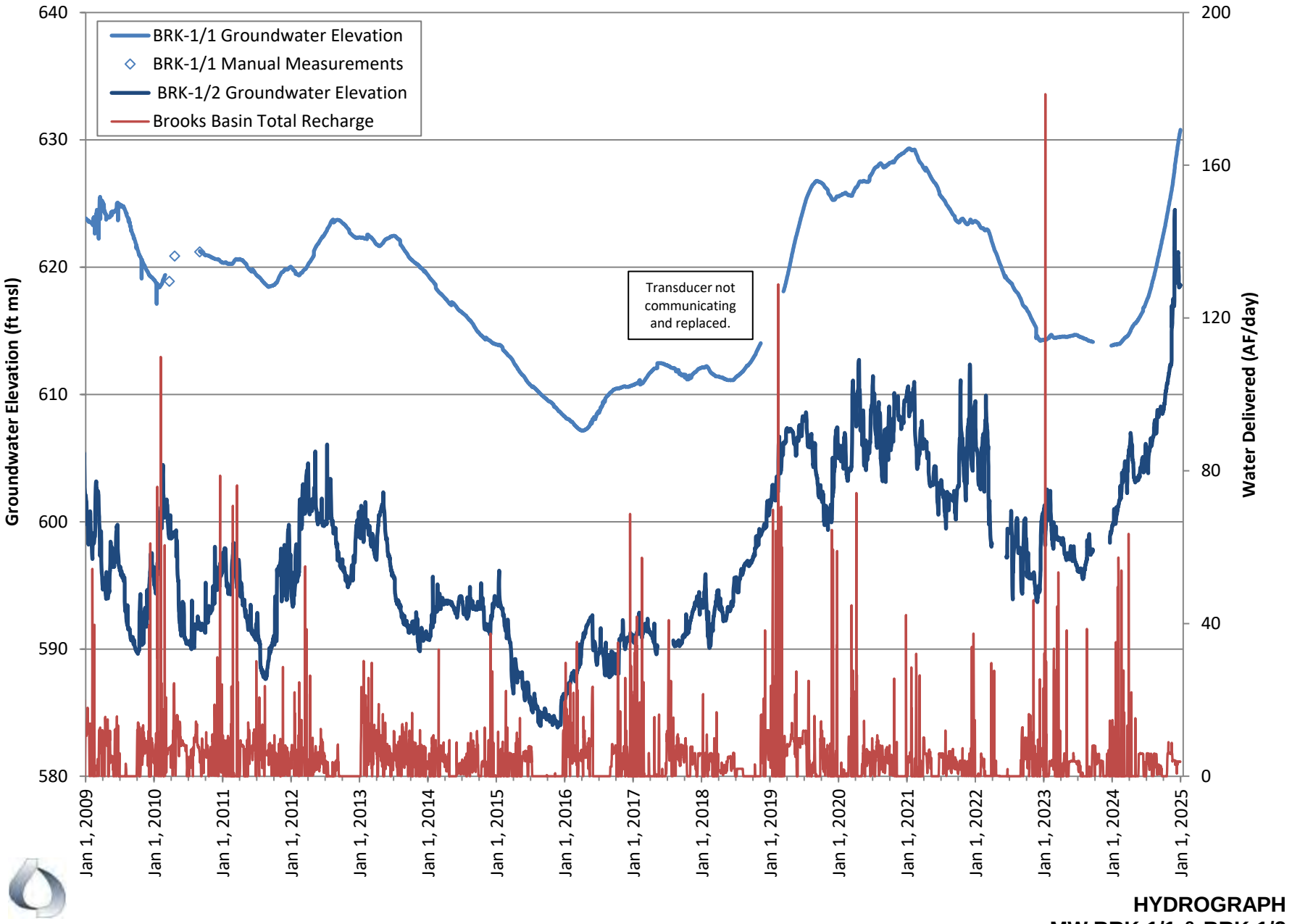
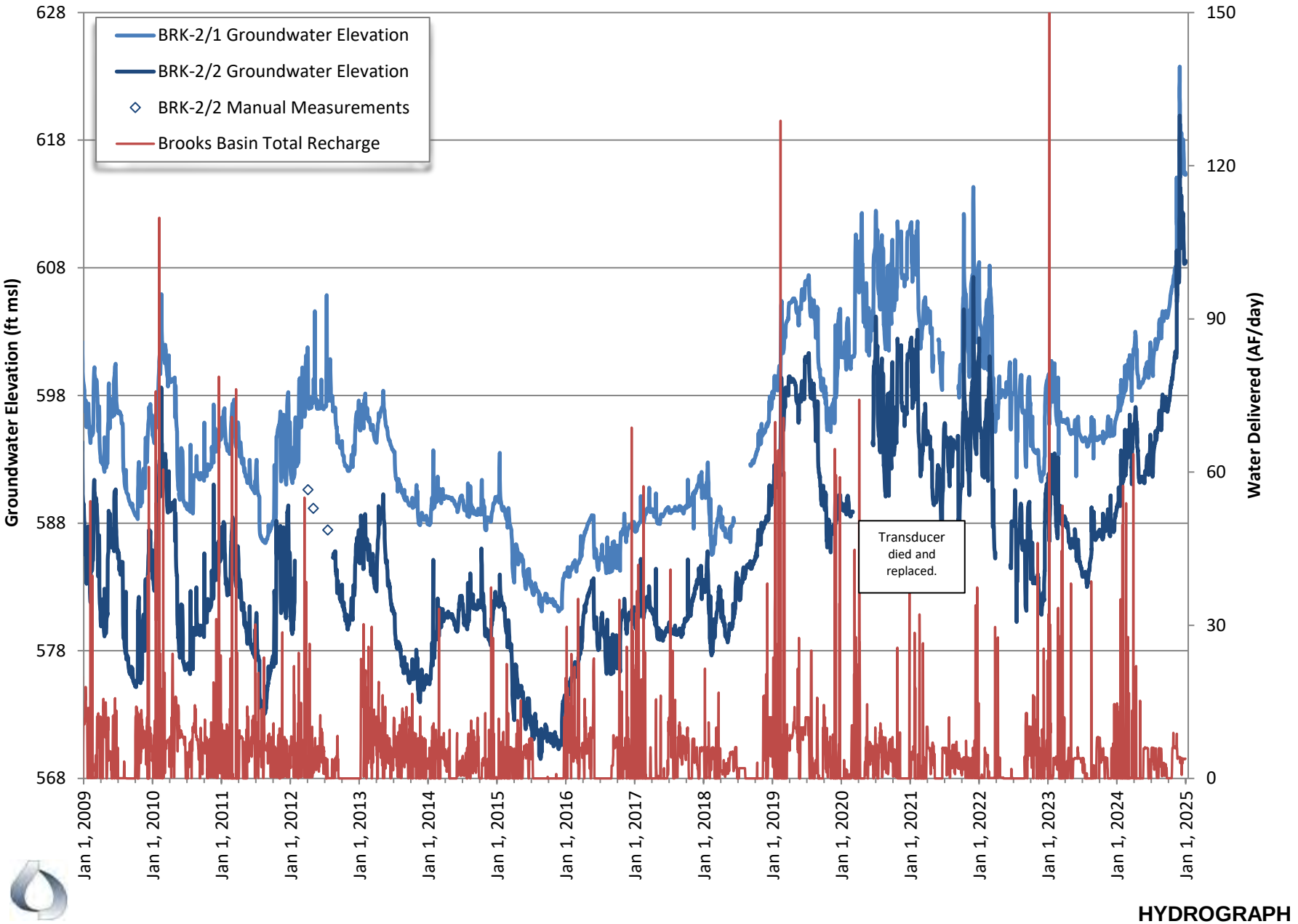


HYDROGRAPH
MW BRK-1/1 & BRK-1/2



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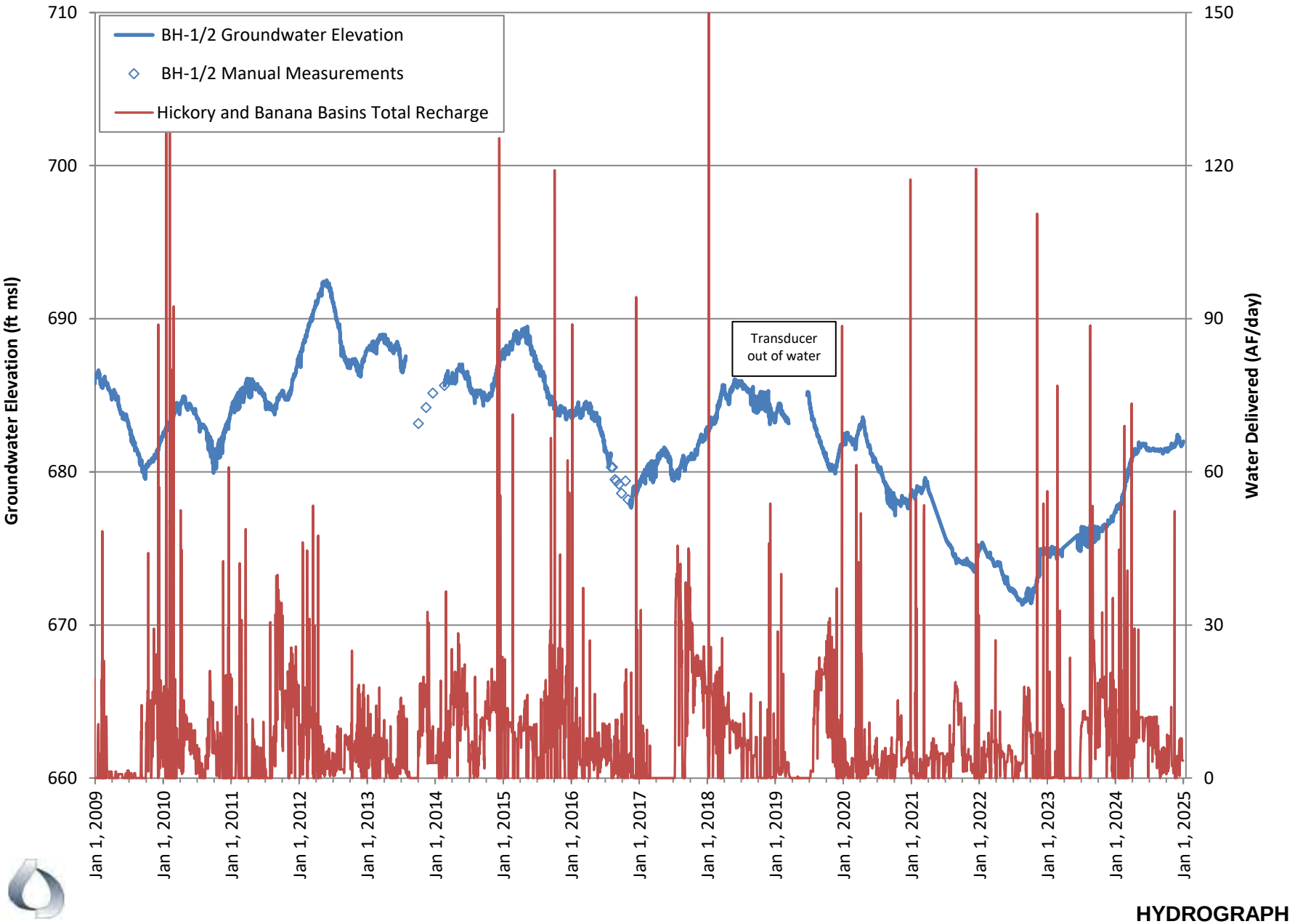
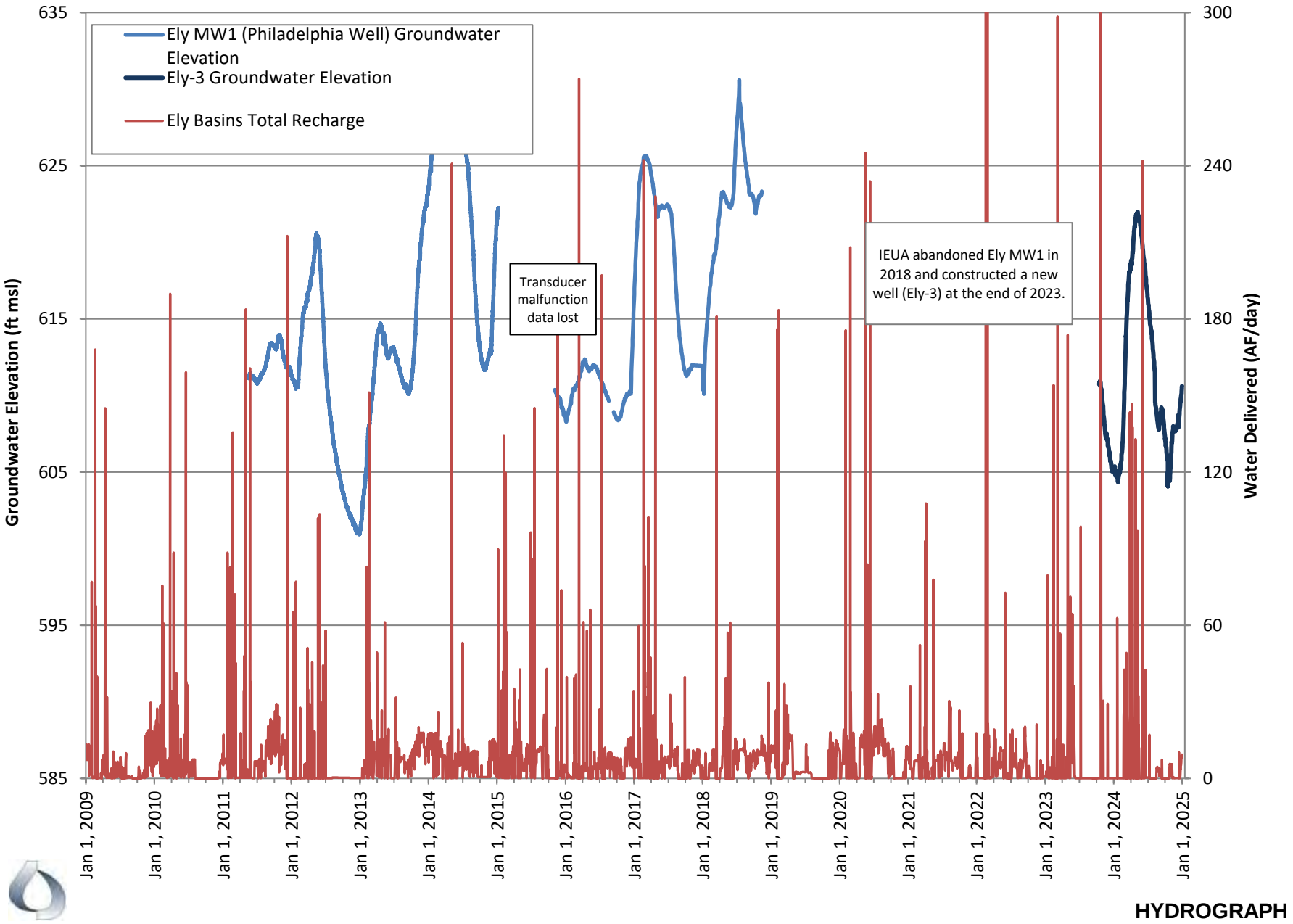
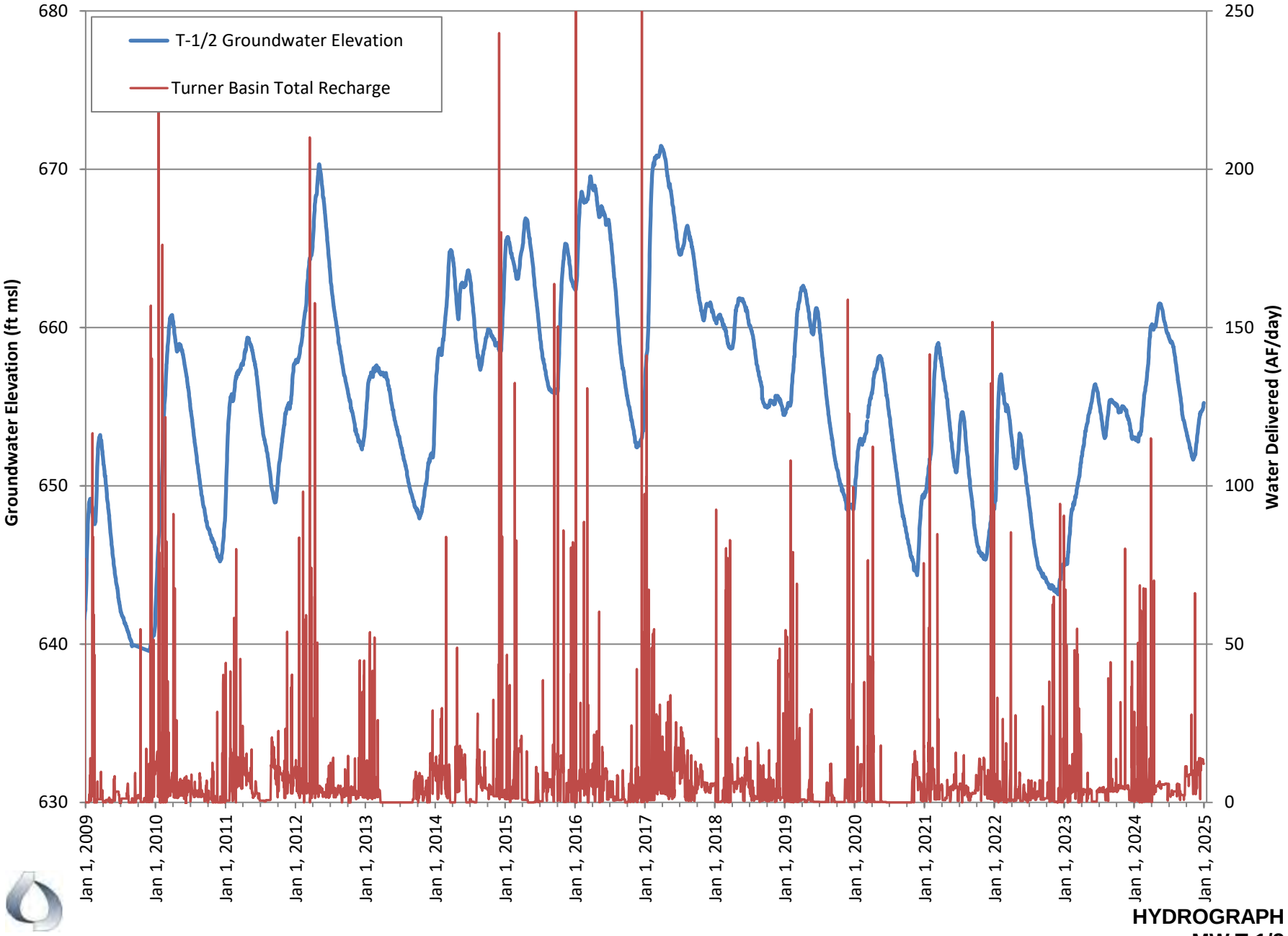
MW BRK-2/1 & BRK-2/2



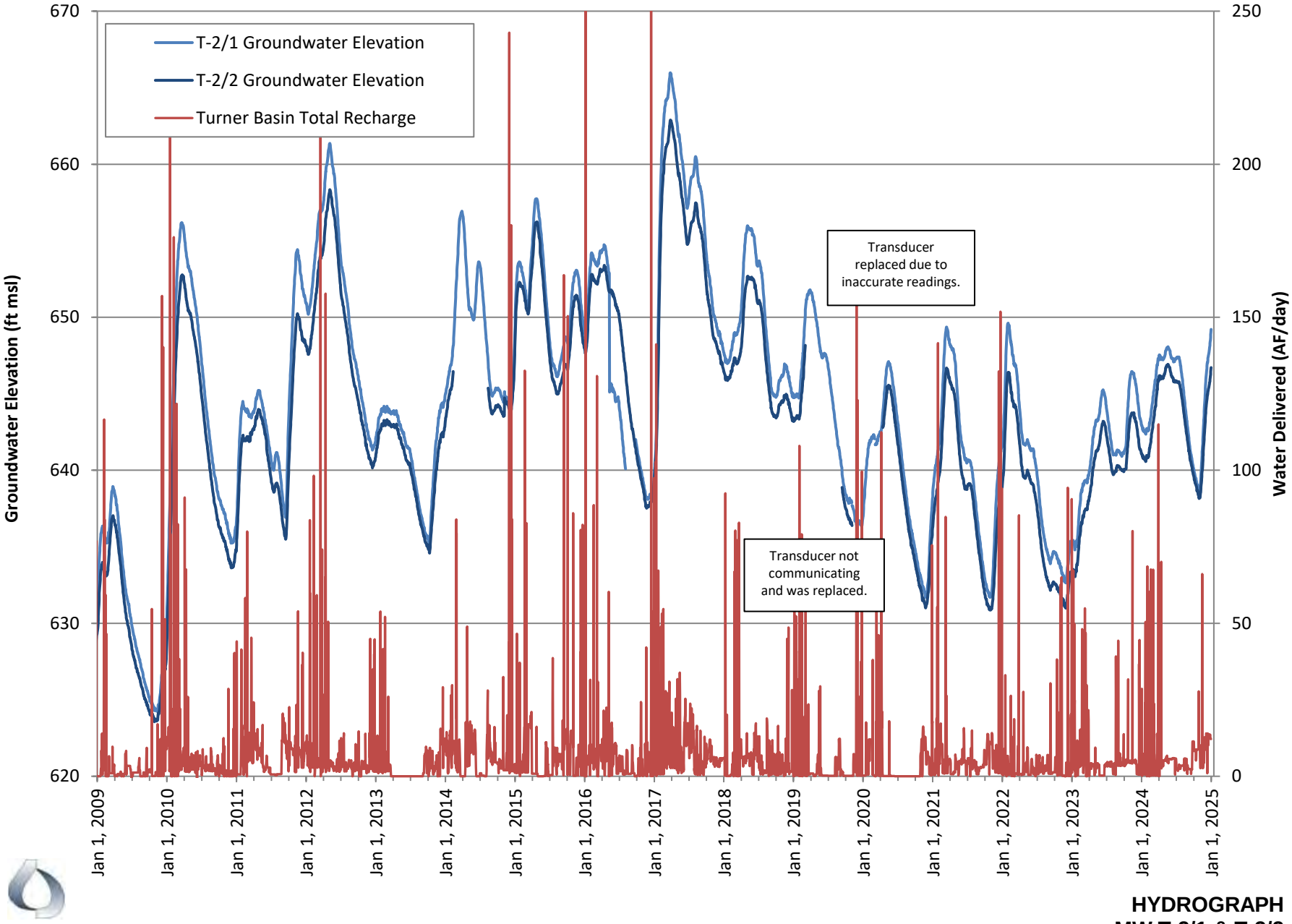
HYDROGRAPH
MW BH-1/2



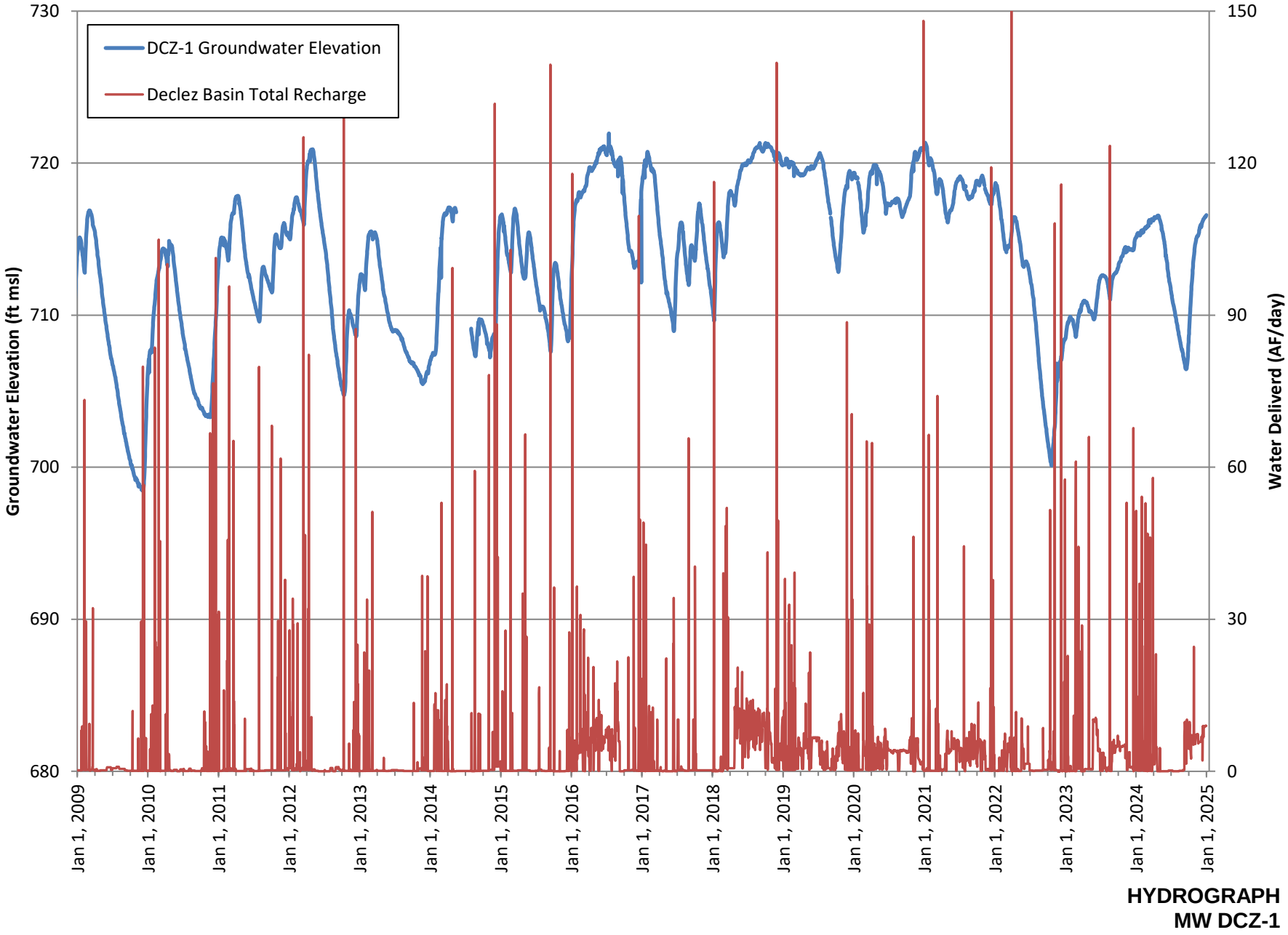
HYDROGRAPH
Ely MW1 (Philadelphia Well) & Ely-3



HYDROGRAPH
MW T-1/2



HYDROGRAPH
MW T-2/1 & T-2/2



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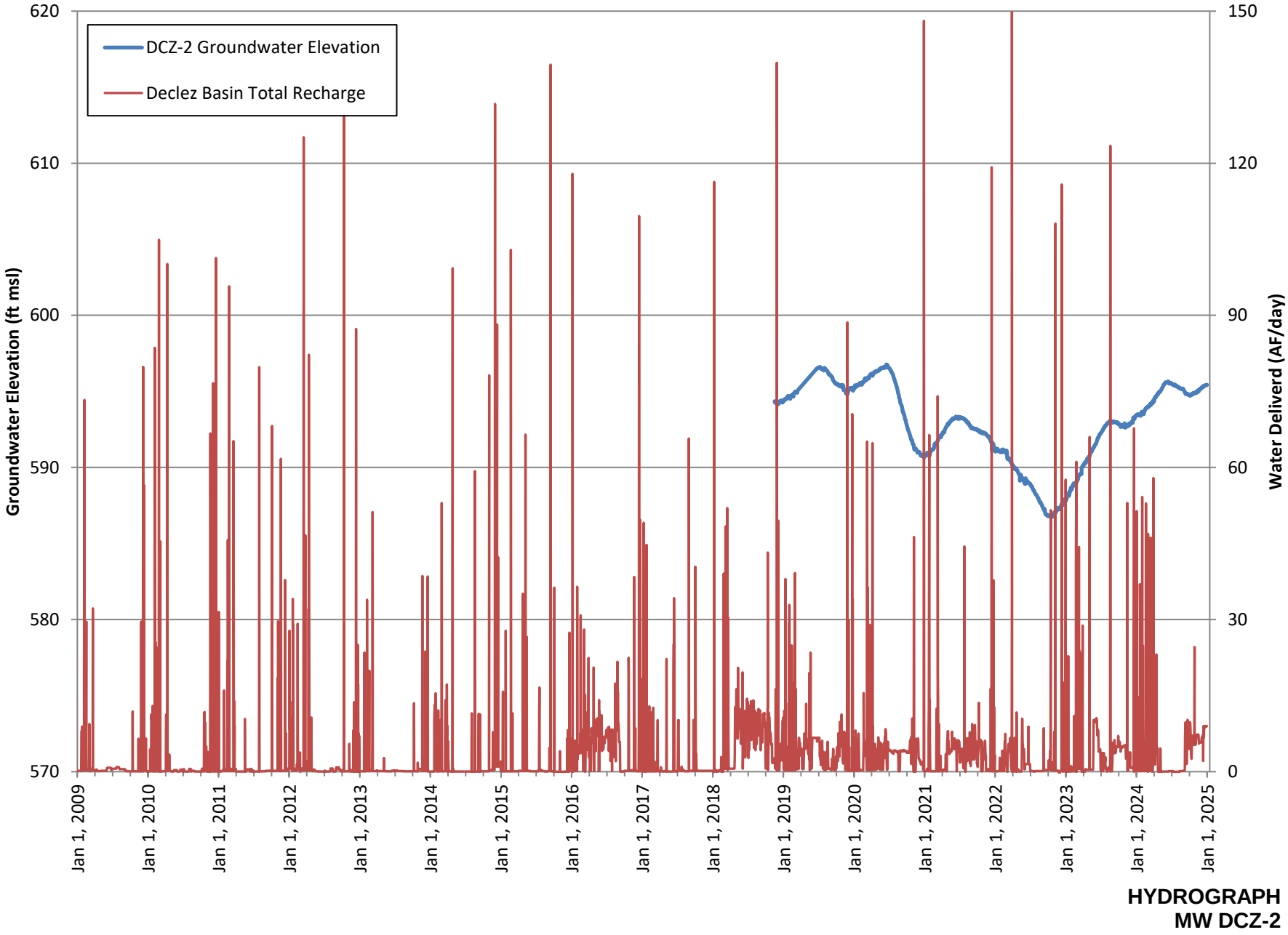
MW DCZ-1



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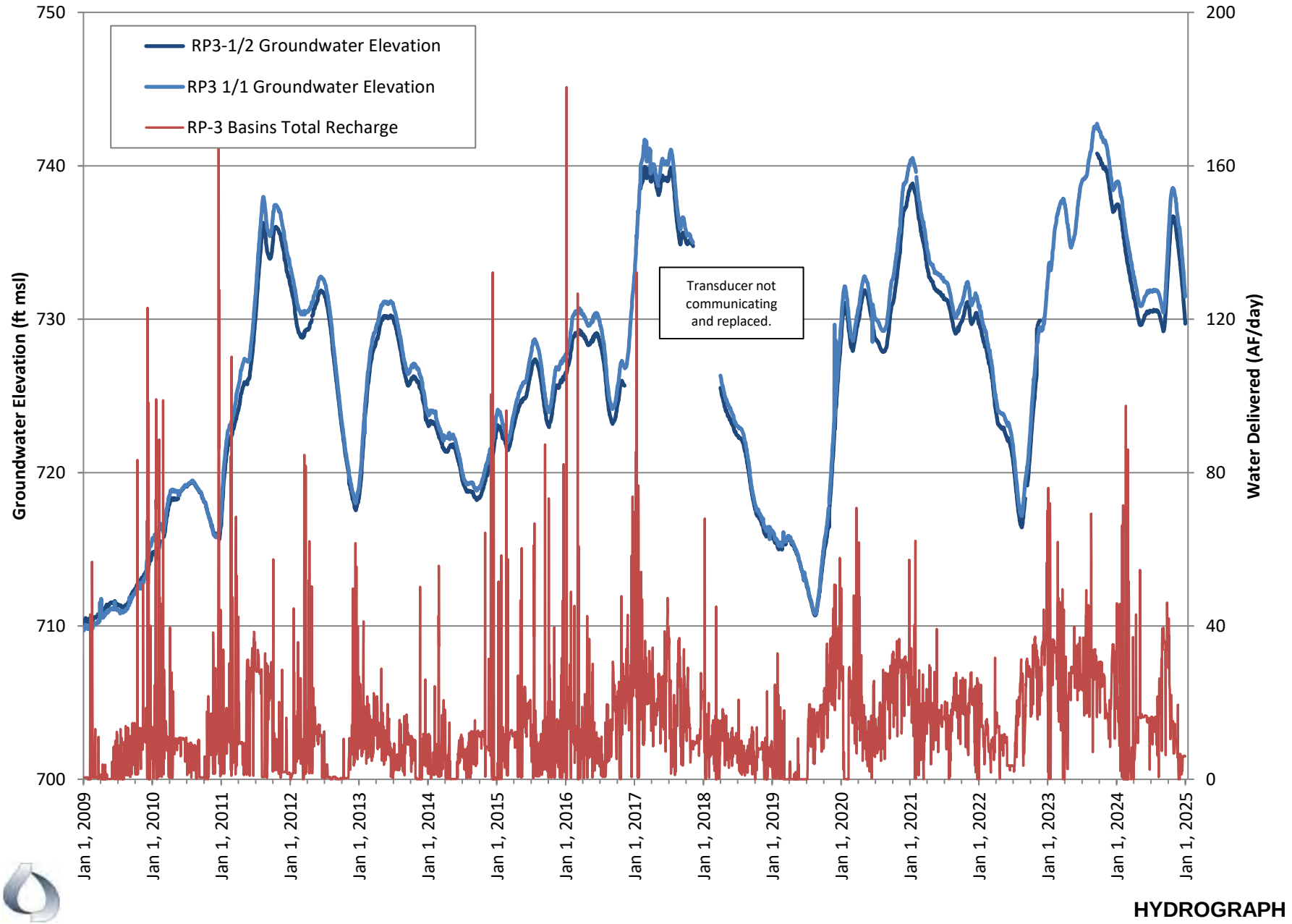
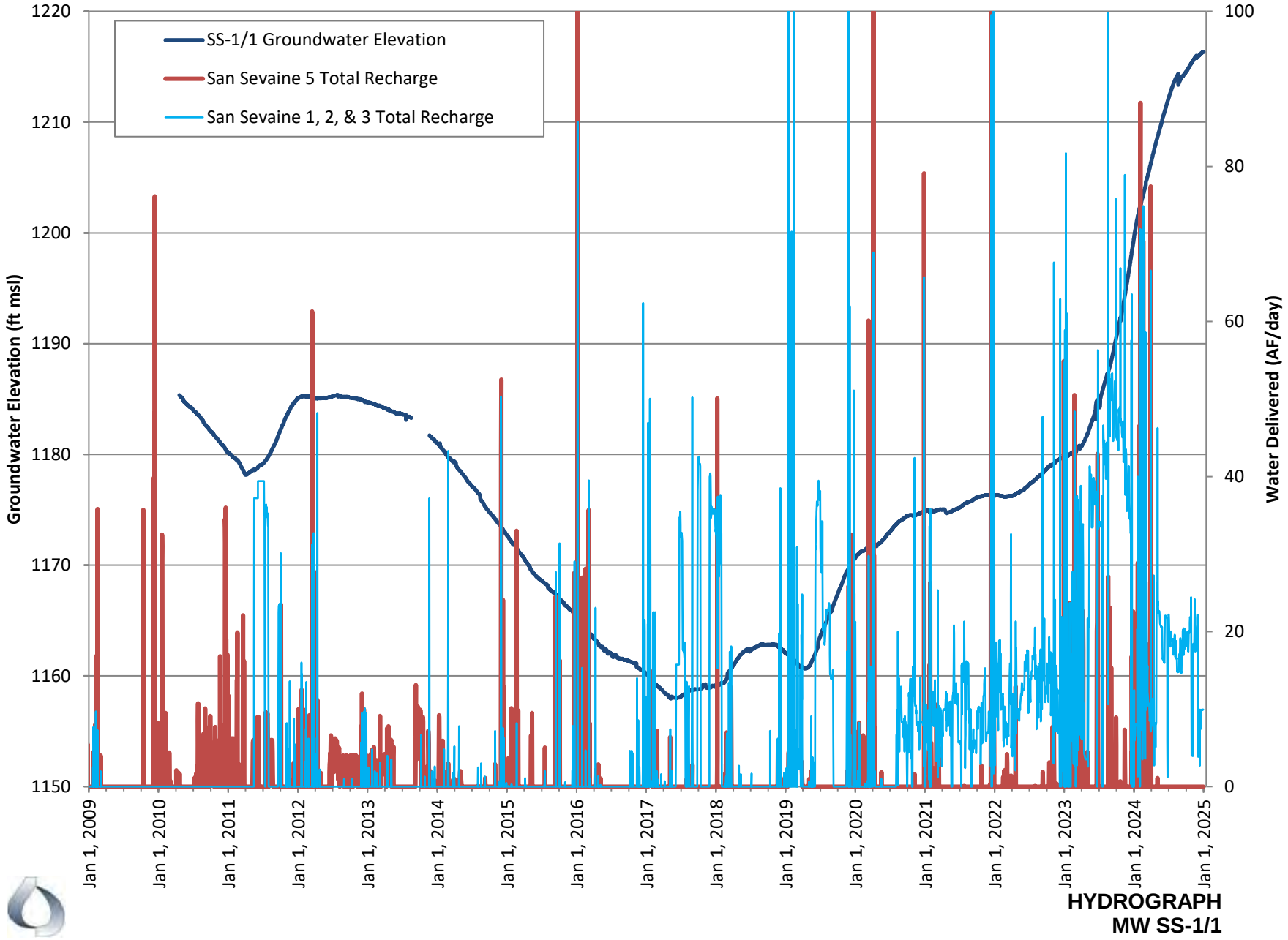
MW DCZ-2



HYDROGRAPH
MW RP3-1/1 & RP3-1/2



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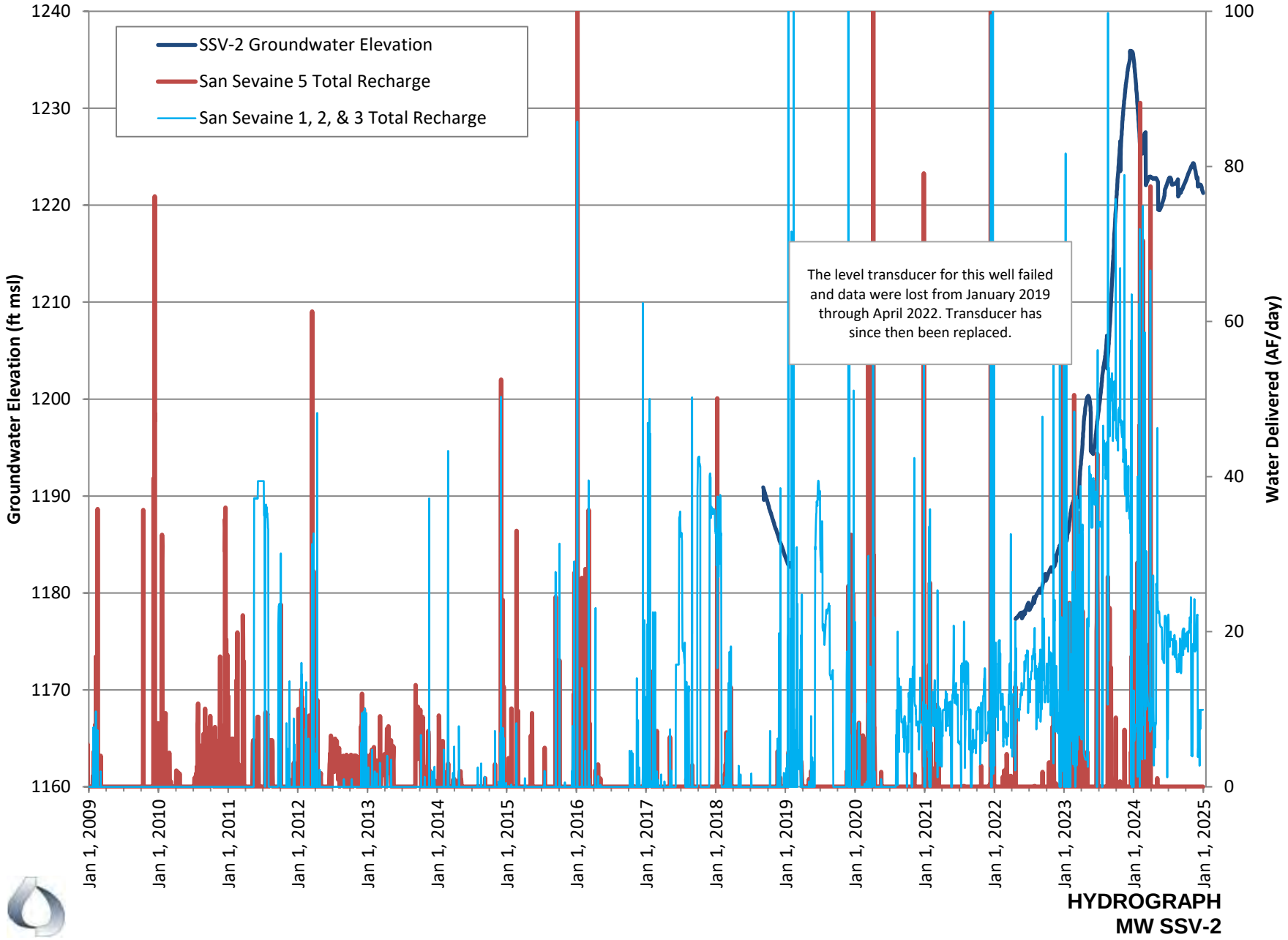
MW SS-1/1



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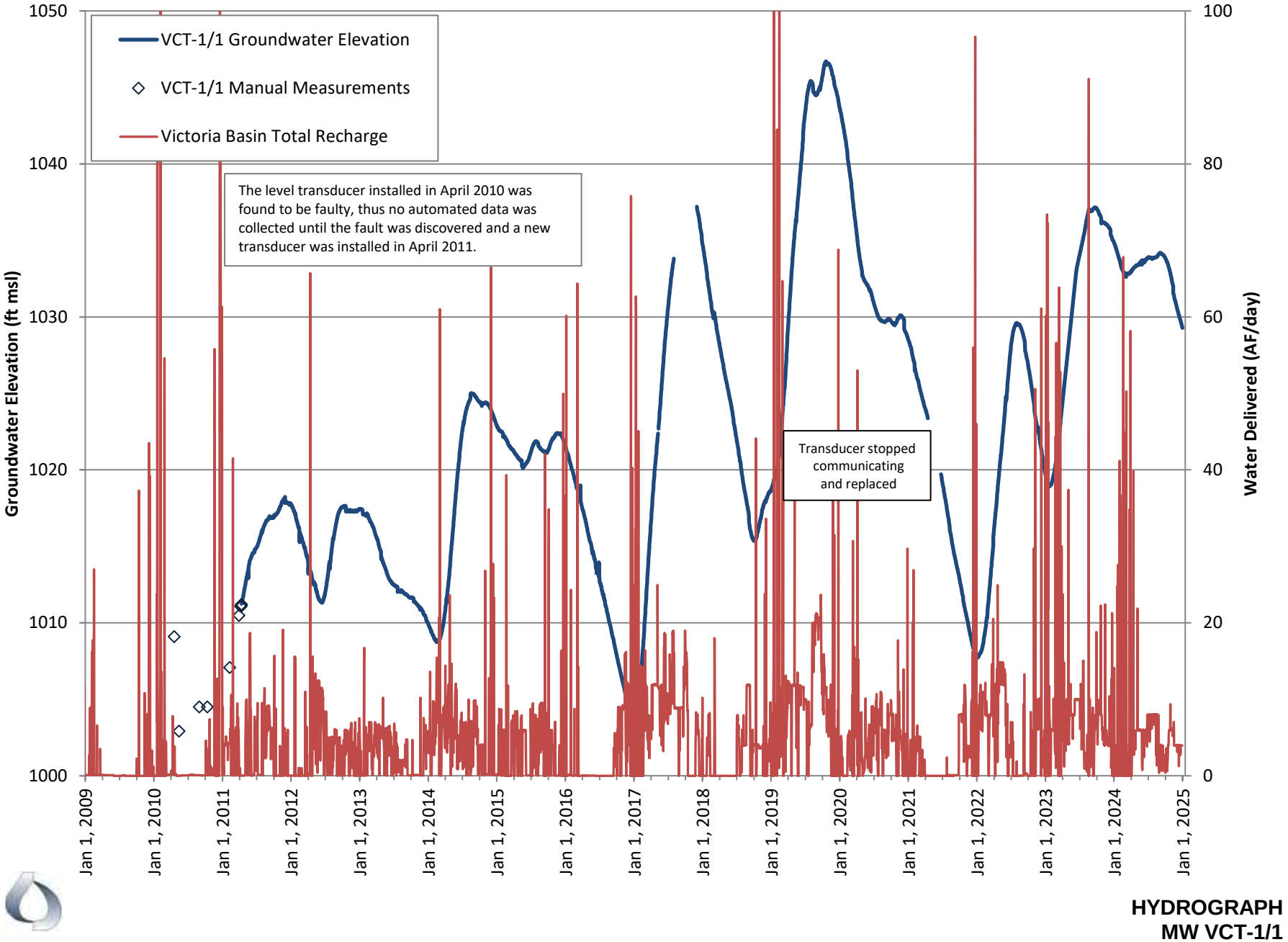
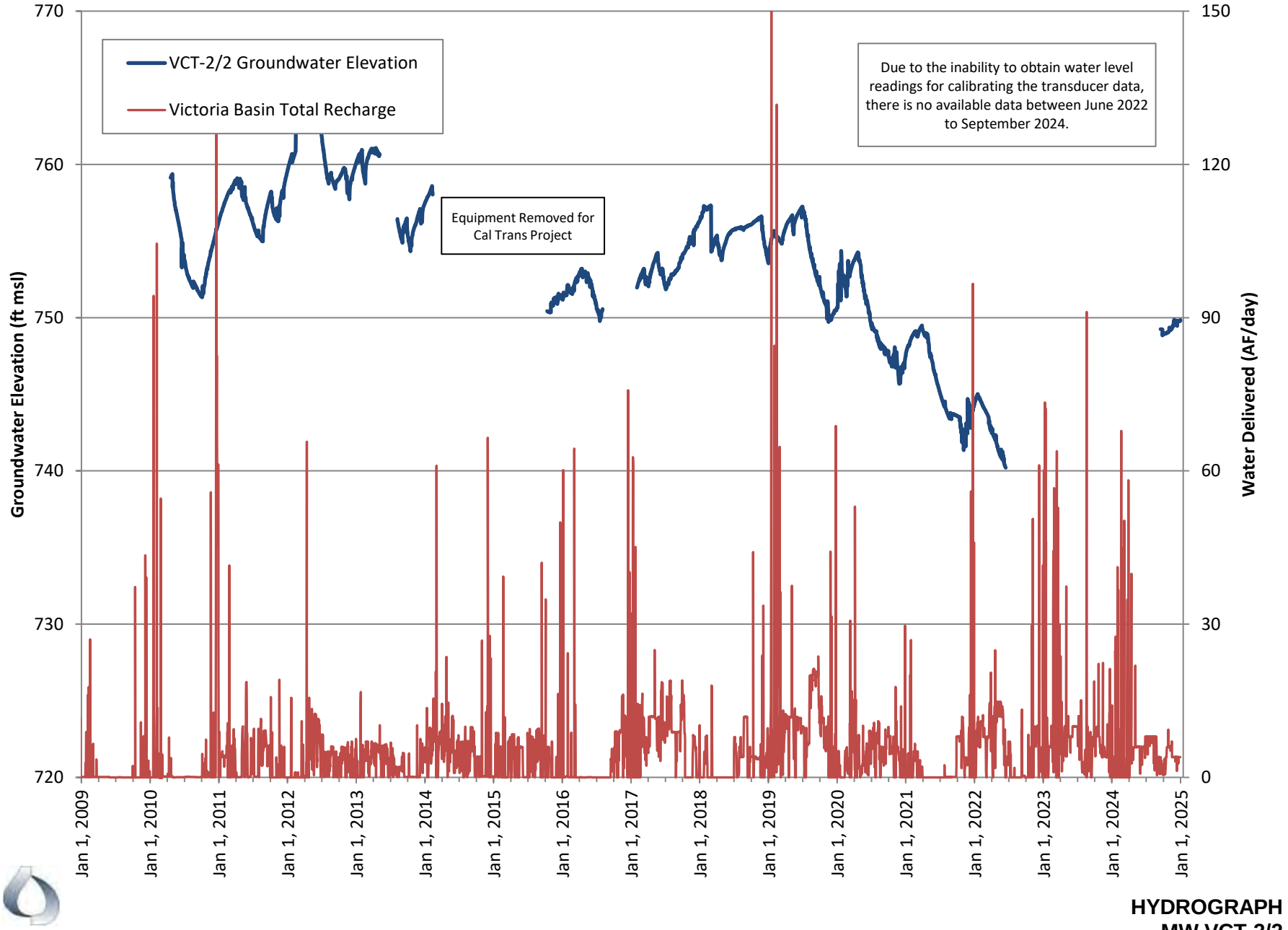
MW SSV-2



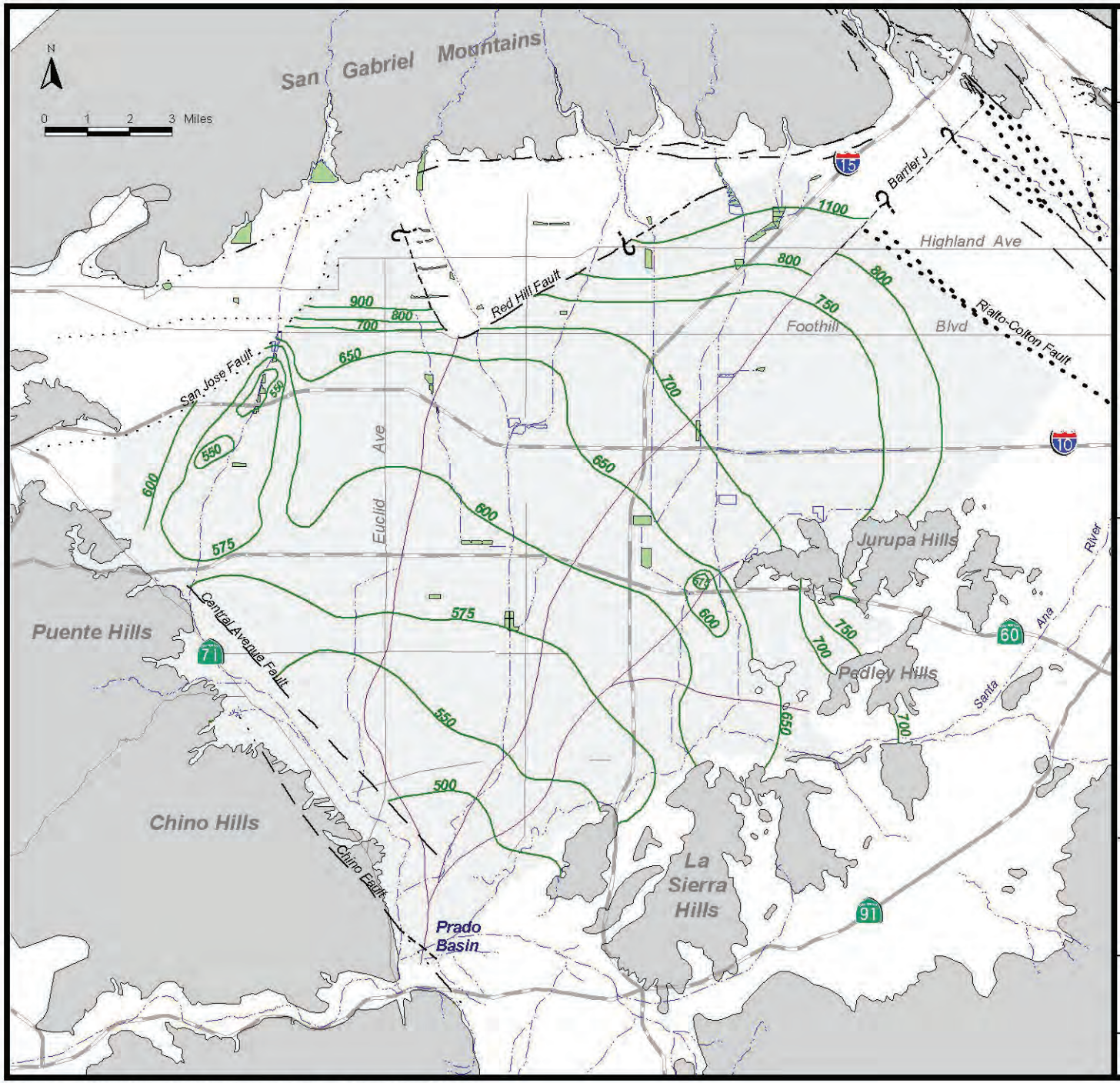
HYDROGRAPH
MW VCT-1/1



HYDROGRAPH
MW VCT-2/2

APPENDIX E

GROUNDWATER ELEVATION CONTOUR MAPS



Optimum Basin Management Program
Chino Basin Watermaster

Legend

- Fall 1997 Groundwater Elevation (ft-msl)
- Fault
  - Dashed Where Approximate
  - Dotted Where Concealed
  - Queried Where Uncertain
  - Large Dots Where Groundwater Barrier (Suspected Fault)
- Rivers & Streams
- Management Zone Boundary
- Hydrologic Chino Basin
- Recharge Basins
- Bedrock

Management Zone Index Map

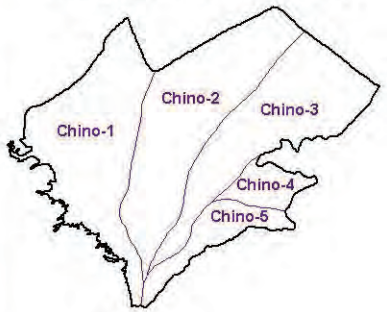


Figure 2-19
Fall 1997
Groundwater Elevation Map

WE WILDERMUTH ENVIRONMENTAL, INC.

Date: August 19, 1999

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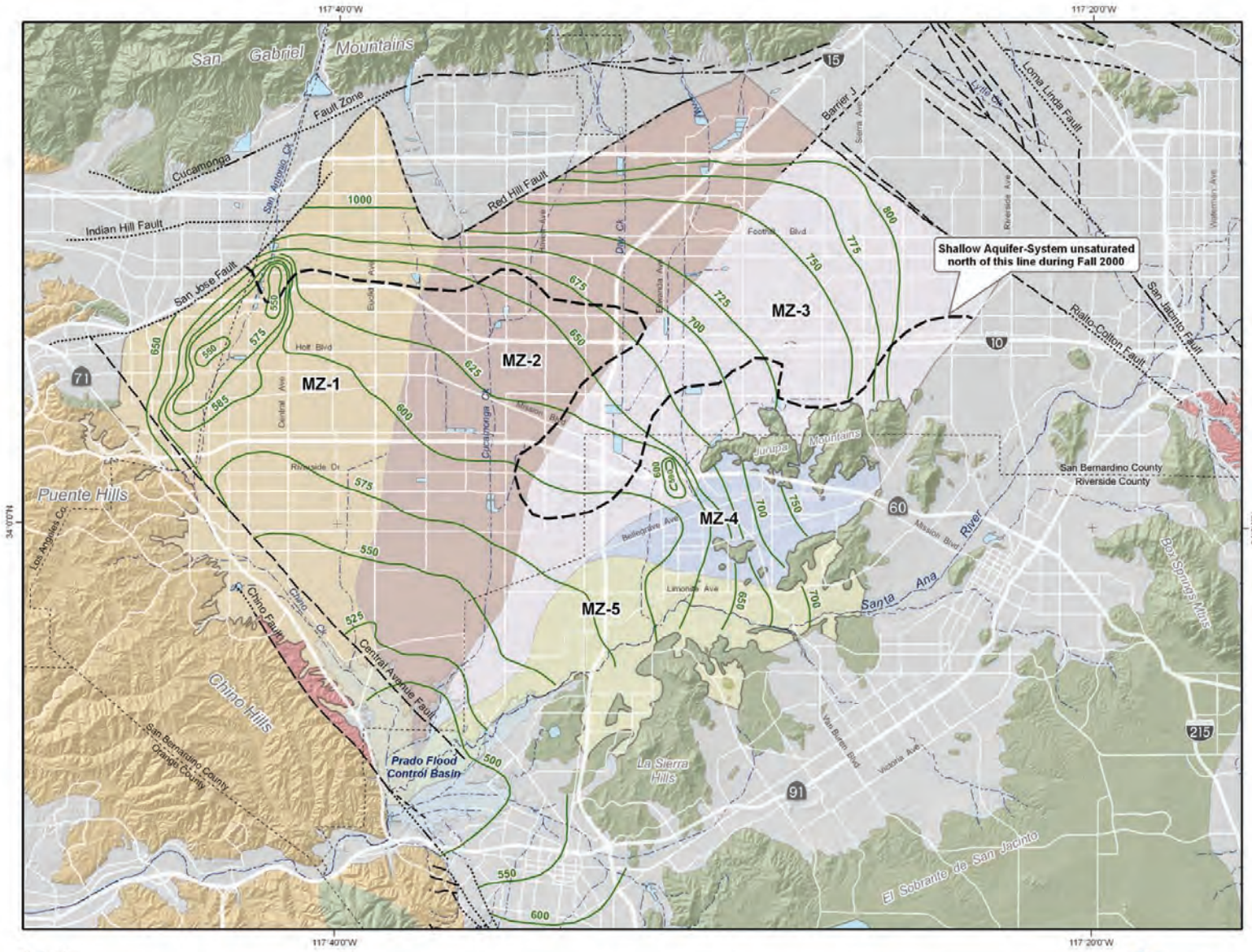

Main Features

800 / 775 — Groundwater Elevation Contours -- Fall 2000 (feet above mean sea level)

Geology

Water-Bearing Sediments

- Quaternary Alluvium

Consolidated Bedrock

- Plio-Pleistocene Sedimentary Rocks
- Cretaceous to Miocene Sedimentary Rocks
- Pre-Tertiary Igneous and Metamorphic Rocks

Faults

- Location Certain
- Location Approximate
- Location Concealed
- Location Uncertain

Other Features

- Flood Control and Conservation Basins

0 1 2 3 4 Miles

0 2 4 6 KM

Produced by:
WILDERMUTH ENVIRONMENTAL, INC.
23692 Birtcher Drive
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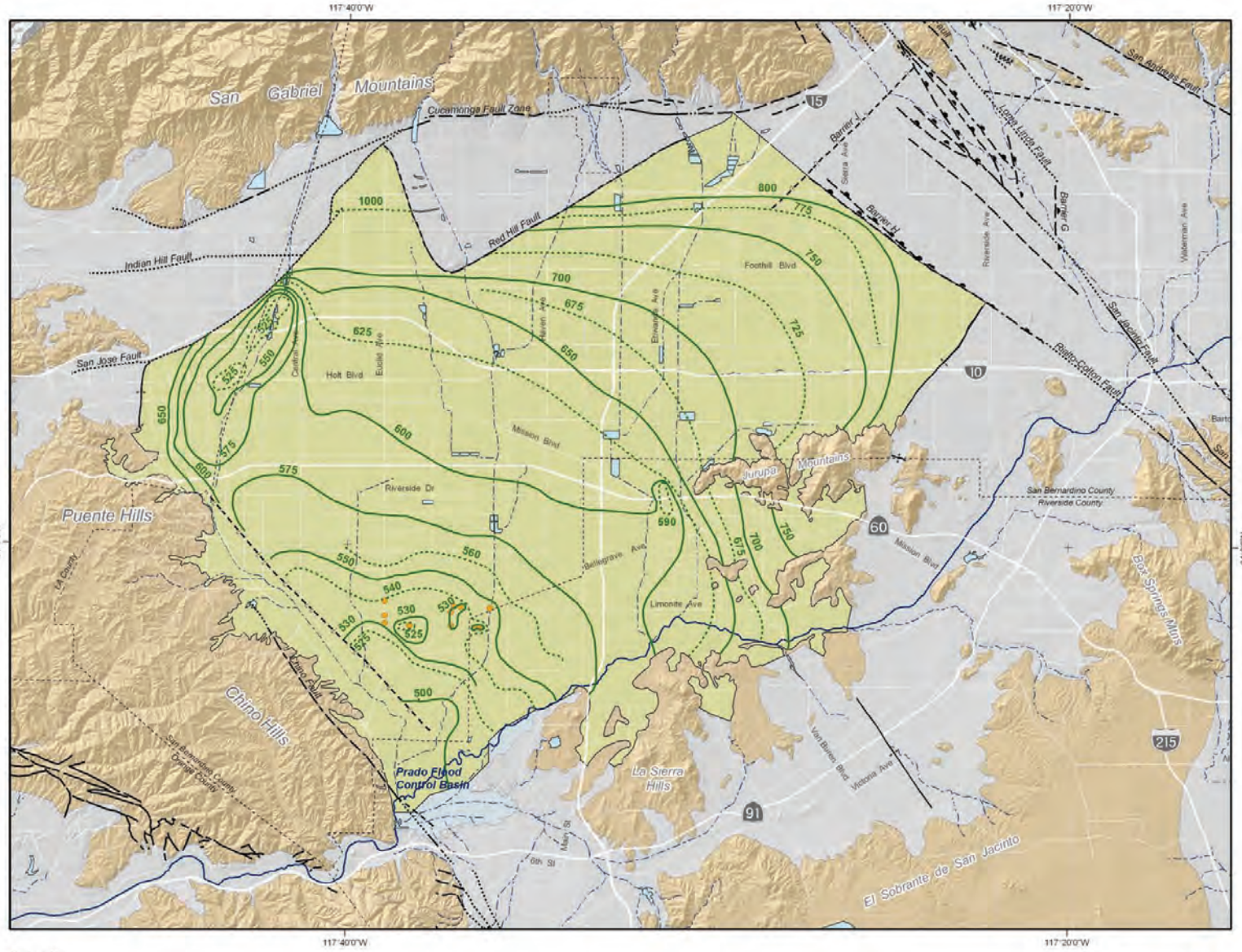
Author: AEM
Update: WEL
Date: 20050714
File: Figure 8-03.mxd

Inland Empire Utilities Agency

Phase II Recycled Water Groundwater Recharge Project

Groundwater Elevation Map Fall 2000

Figure 8-3



Main Features

- Groundwater Elevation Contours (feet above mean sea-level)
- Chino-I Desalter Well
- Chino Basin Hydrologic Boundary

Geology

Water-Bearing Sediments

- Quaternary Alluvium

Consolidated Bedrock

- Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks

Faults & Groundwater Divides

- Location Certain
- Location Approximate
- Location Concealed
- Location Uncertain
- Groundwater Divide

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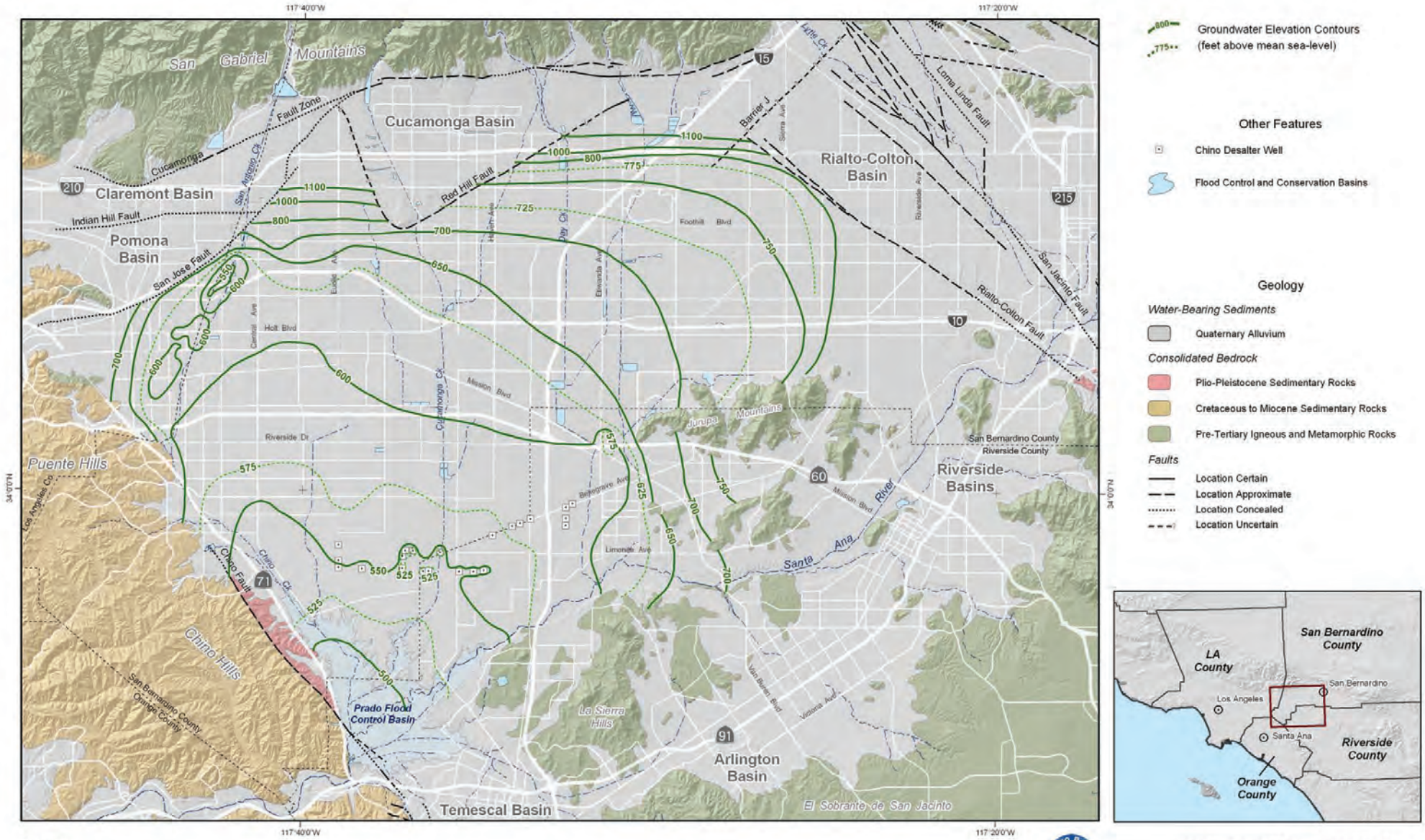
Author: KD
Date: 20050627
File: Figure_3-6.mxd

0 1 2 3 4 Miles
0 2 4 6 KM

State of the Basin Report -- 2004
Groundwater Basin Operation and Response

Groundwater Elevation Contours
Fall 2003 -- Chino Basin

Figure 3-6



800 Groundwater Elevation Contours
775 (feet above mean sea-level)

Other Features

- Chino Desalter Well
- Flood Control and Conservation Basins

Geology

Water-Bearing Sediments

- Quaternary Alluvium

Consolidated Bedrock

- Plio-Pleistocene Sedimentary Rocks
- Cretaceous to Miocene Sedimentary Rocks
- Pre-Tertiary Igneous and Metamorphic Rocks

Faults

- Location Certain
- Location Approximate
- Location Concealed
- Location Uncertain

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Author: ETL
Date: 20070511
File: Figure_3-18.mxd

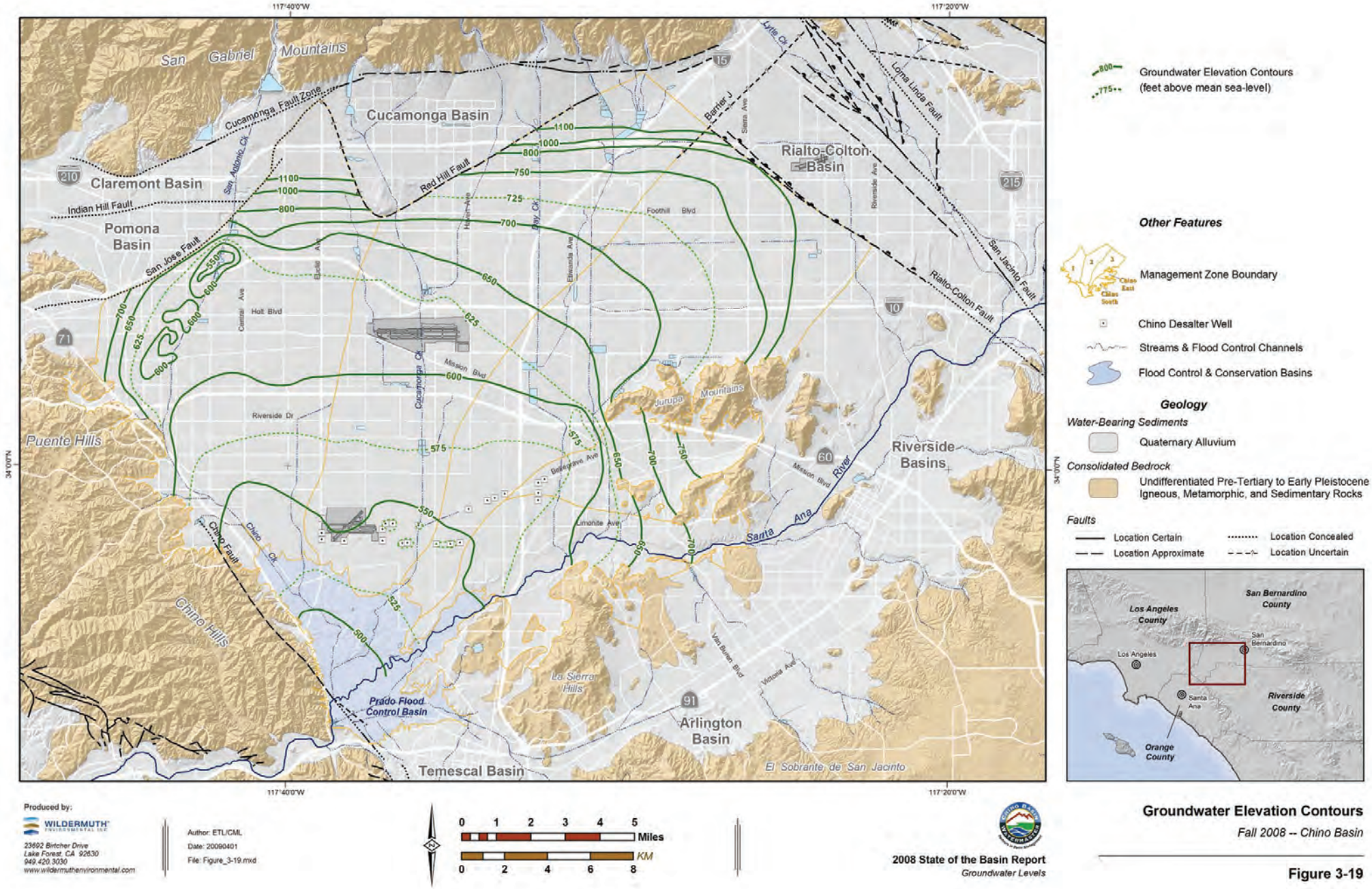
0 1 2 3 4 5 Miles
0 2 4 6 8 KM

DRAFT - 2007 CBWM Groundwater Model Documentation and Evaluation of the Peace II Project Description
Hydrogeologic Setting

Groundwater Elevation Contours

Fall 2006 -- Chino Basin

Figure 2-7a



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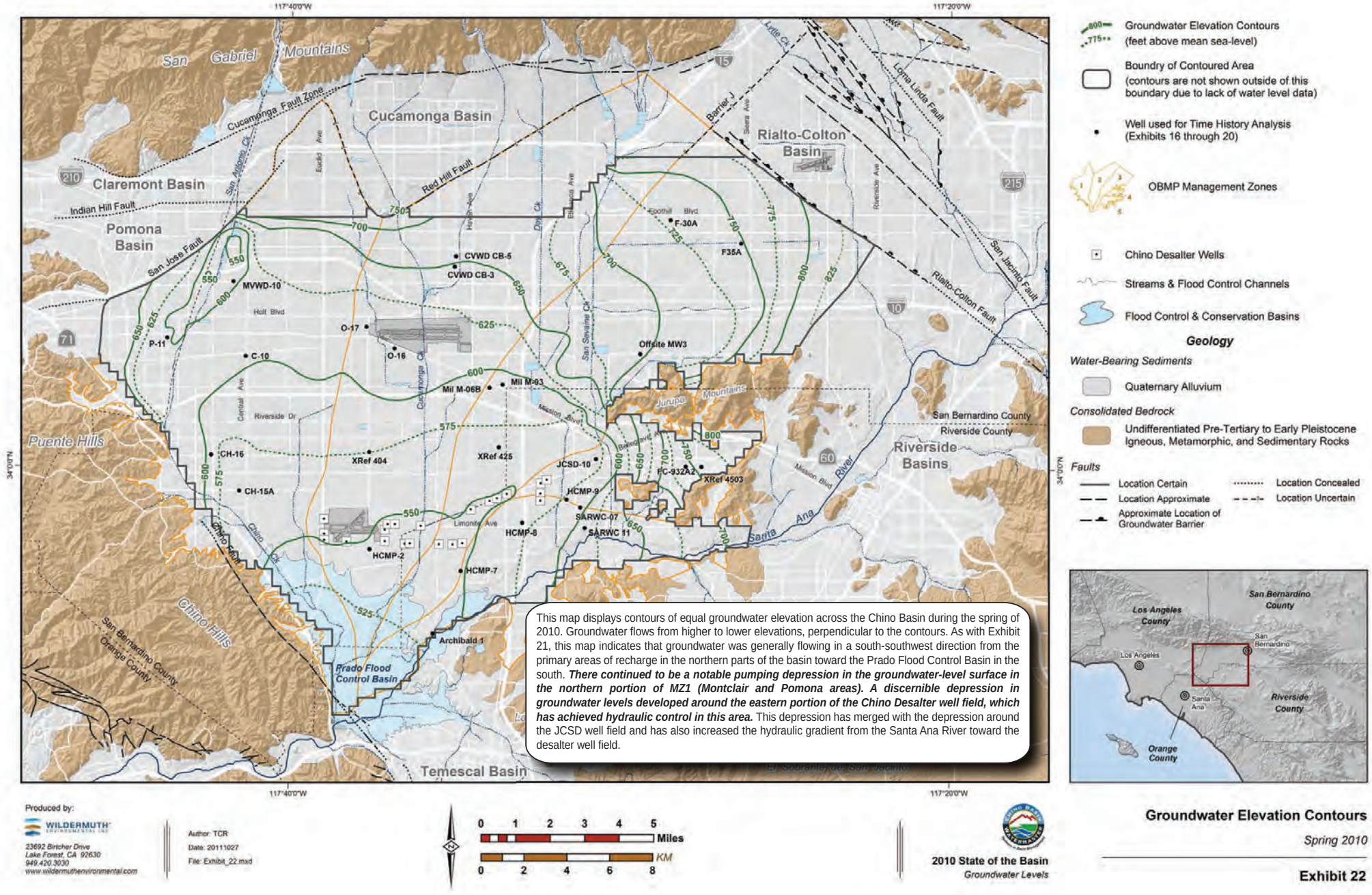
Author: ETL/CML
Date: 20090401
File: Figure_3-19.mxd

2008 State of the Basin Report
Groundwater Levels

Groundwater Elevation Contours

Fall 2008 -- Chino Basin

Figure 3-19



This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2010. Groundwater flows from higher to lower elevations, perpendicular to the contours. As with Exhibit 21, this map indicates that groundwater was generally flowing in a south-southwest direction from the primary areas of recharge in the northern parts of the basin toward the Prado Flood Control Basin in the south. ***There continued to be a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas). A discernible depression in groundwater levels developed around the eastern portion of the Chino Desalter well field, which has achieved hydraulic control in this area.*** This depression has merged with the depression around the JCSD well field and has also increased the hydraulic gradient from the Santa Ana River toward the desalter well field.

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Author: TCR
Date: 20111027
File: Exhibit_22.mxd

0 1 2 3 4 5 Miles
0 2 4 6 8 KM

2010 State of the Basin
Groundwater Levels

Groundwater Elevation Contours

Spring 2010

Exhibit 22

117°40'0"W

117°20'0"W

34°0'0"N

San Gabriel Mountains

Cucamonga Fault Zone

Cucamonga Basin

Rialto-Colton Basin

Claremont Basin

Pomona Basin

Puente Hills

Chino Hills

Prado Flood Control Basin

Temescal Basin

Jurupa Mountains

Riverside Basins

San Bernardino County

Riverside County

Orange County

Indian Hill Fault

San Jose Fault

Red Hill Fault

Barrier J

Lytle Ck

Loma Linda Fault

San Jacinto Fault

Rialto-Colton Fault

San Antonio Ck

Euclid Ave

Haven Ave

Day Ck

Etiwanda Ave

Sierra Ave

Riverside Ave

Foothill Blvd

Holt Blvd

Central Ave

Riverside Dr

Mission Blvd

Limonite Ave

San Sevaine Ck

Cucamonga Ck

Chino Ck

Santa Ana River

F-30A

F-3A

CVWD-5

CVWD-3

MVWD-19

O-24

O-29

P-11

C-10

OW-11

MIL M-06B

Offsite MW4

JCSD-14

JCSD-10

FC-7524A2

FC-9324A2

XRef 404

XRef 425

XRef 4513

XRef 4802

CH-16

CH-15A

HCMP-9/1

HCMP-8/1

HCMP-2

HCMP-7/1

SARWC-07

SARWC-11

Archibald 1

750

700

650

600

550

500

575

625

675

725

775

800

825

175

150

210

71

15

215

10

60

Groundwater Elevation Contours
(feet above mean sea-level)

Boundry of Contoured Area
(contours are not shown outside of this boundary due to lack of water level data)

Well With a Water-Level Time History Plotted on Exhibits 24 through 28.

OBMP Management Zones

Chino Desalter Wells

Streams & Flood Control Channels

Flood Control & Conservation Basins

Geology

Water-Bearing Sediments

Quaternary Alluvium

Consolidated Bedrock

Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks

Faults

- Location Certain
- Location Approximate
- Approximate Location of Groundwater Barrier
- Location Concealed
- Location Uncertain

This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2012. The groundwater elevation contours for spring 2012 are generally consistent with the groundwater elevation contours for spring 2010 shown in Exhibit 17. Groundwater flows from higher to lower elevations, with localized flow direction perpendicular to the contours. The contours indicate that groundwater was generally flowing in a south-southwest direction from the primary areas of recharge in the northern parts of the Basin toward the Prado Basin in the south. There is a discernible depression in groundwater levels around the eastern portion of the Chino Desalter well field, which has achieved Hydraulic Control in this area. This depression has merged with the pumping depression around the JCSD well field to the east and has increased the hydraulic gradient from the Santa Ana River toward the desalter well field. As seen in Exhibit 16, and 17, there is a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas).

0 1 2 3 4 5 Miles

0 2 4 6 8 KM

Produced by:
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23692 Birtcher Drive
Lake Forest, CA 92630
949.420.3030
www.wildermuthenvironmental.com

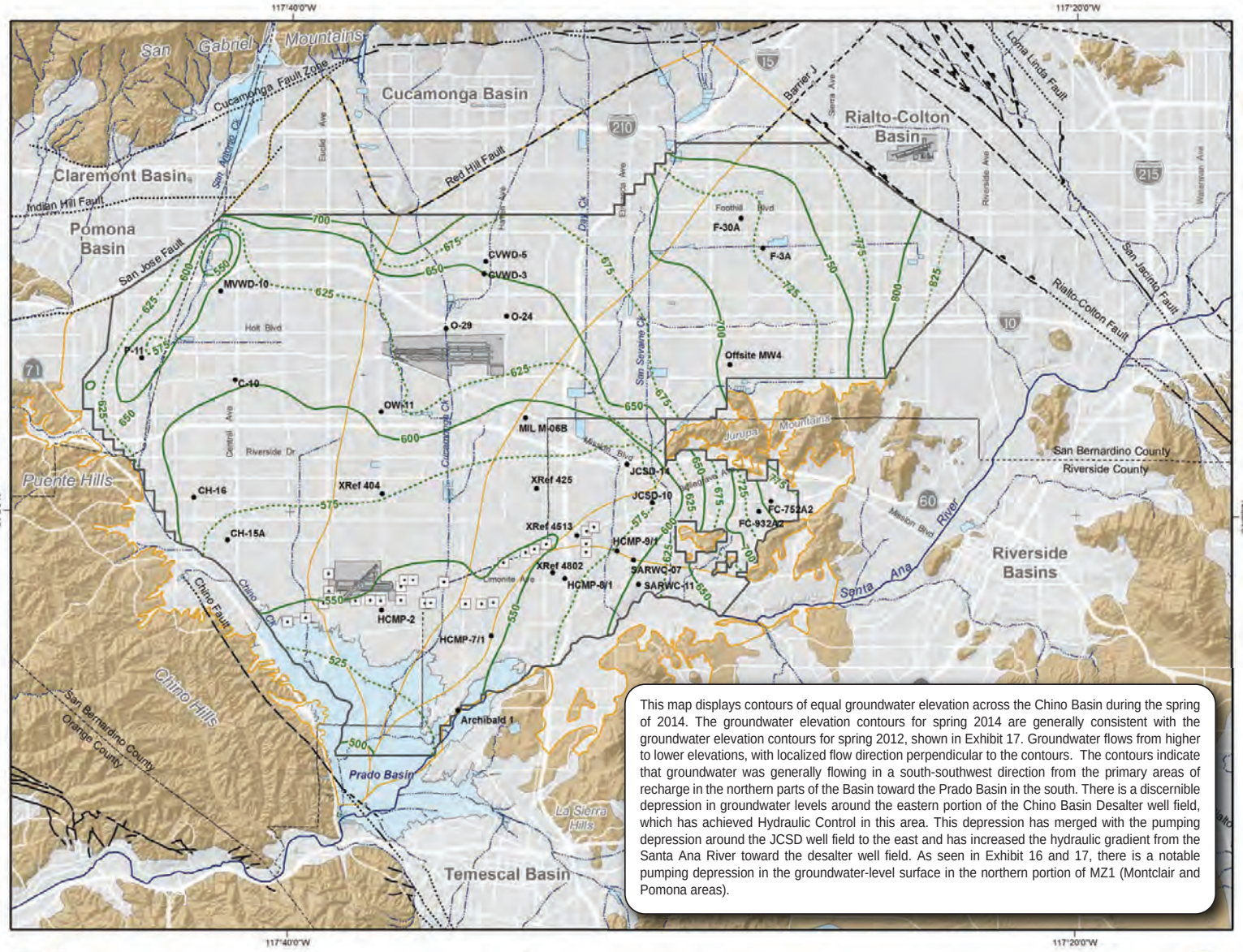
Author: TCR
Date: 20121130
File: Exhibit_18.mxd

2012 State of the Basin
Groundwater Levels

Groundwater Elevation Contours in Spring 2012

Shallow Aquifer System

Exhibit 18



This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2014. The groundwater elevation contours for spring 2014 are generally consistent with the groundwater elevation contours for spring 2012, shown in Exhibit 17. Groundwater flows from higher to lower elevations, with localized flow direction perpendicular to the contours. The contours indicate that groundwater was generally flowing in a south-southwest direction from the primary areas of recharge in the northern parts of the Basin toward the Prado Basin in the south. There is a discernible depression in groundwater levels around the eastern portion of the Chino Basin Desalter well field, which has achieved Hydraulic Control in this area. This depression has merged with the pumping depression around the JCSD well field to the east and has increased the hydraulic gradient from the Santa Ana River toward the desalter well field. As seen in Exhibit 16 and 17, there is a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas).

Groundwater Elevation Contours
(feet above mean sea-level)

Boundry of Contoured Area
(contours are not shown outside of this boundary due to lack of groundwater level data)

Well With a Groundwater-Level Time History Plotted on Exhibits 24 through 28

OBMP Management Zones

Chino Basin Desalter Well

Streams & Flood Control Channels

Flood Control & Conservation Basins

Geology

Water-Bearing Sediments

Quaternary Alluvium

Consolidated Bedrock

Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks

Faults

Location Certain
Location Approximate
Approximate Location of Groundwater Barrier
Location Concealed
Location Uncertain

Groundwater Elevation Contours in Spring 2014

Shallow Aquifer System

Exhibit 18

Prepared by:
WEI
23692 Birtcher Drive
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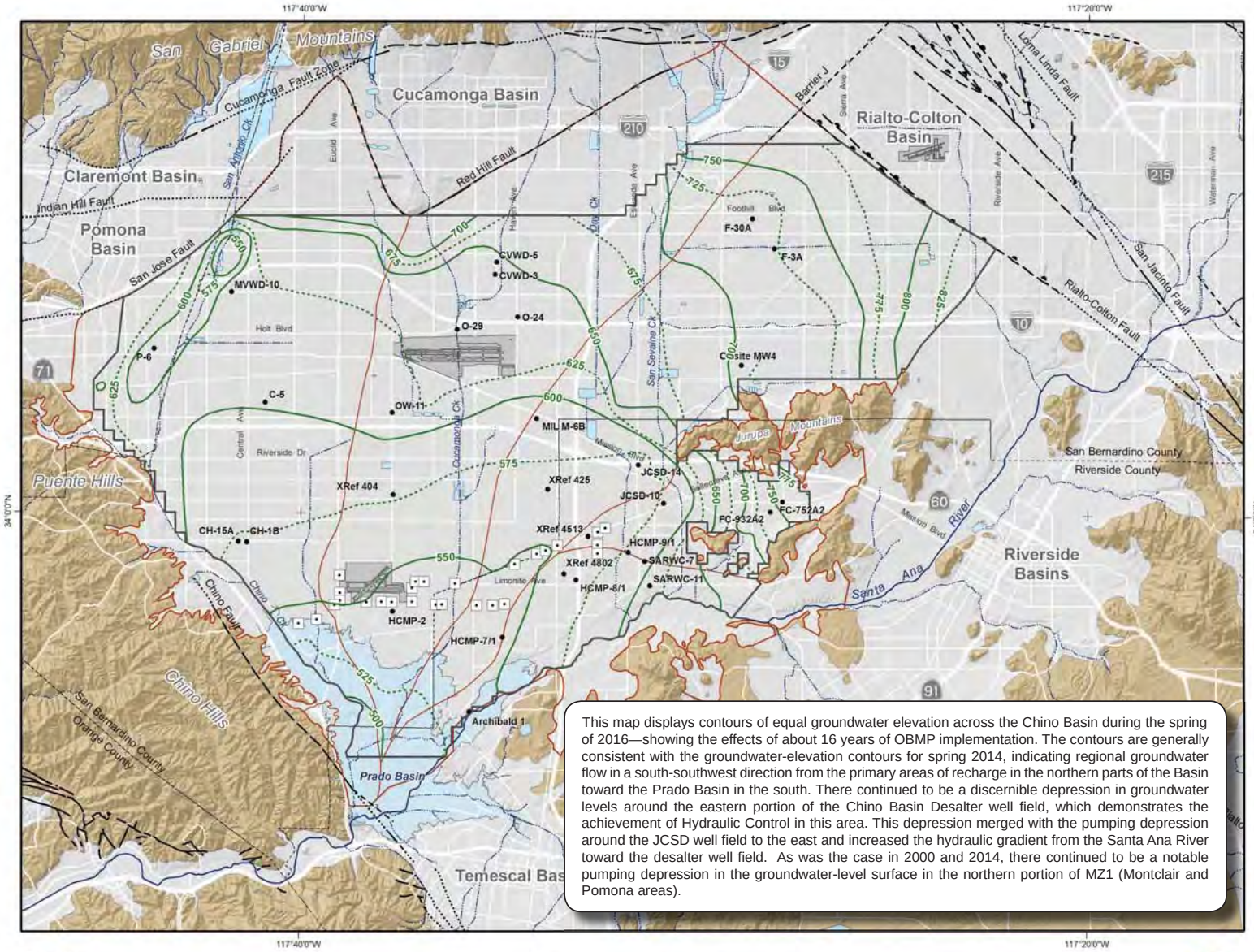
www.weiwater.com

Author: amalone
Date: 8/23/2015
Document Name: Exhibit_18_sp2014

0 1 2 3 4 5 Miles
0 2 4 6 8 KM

2014 State of the Basin
Groundwater Levels



This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2016—showing the effects of about 16 years of OBMP implementation. The contours are generally consistent with the groundwater-elevation contours for spring 2014, indicating regional groundwater flow in a south-southwest direction from the primary areas of recharge in the northern parts of the Basin toward the Prado Basin in the south. There continued to be a discernible depression in groundwater levels around the eastern portion of the Chino Basin Desalter well field, which demonstrates the achievement of Hydraulic Control in this area. This depression merged with the pumping depression around the JCSD well field to the east and increased the hydraulic gradient from the Santa Ana River toward the desalter well field. As was the case in 2000 and 2014, there continued to be a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas).

Groundwater-Elevation Contours (feet above mean sea-level)

Boundary of Contoured Area (contours are not shown outside of this boundary due to lack of groundwater-level data)

Well with a Groundwater-Level Time History Plotted on Exhibits 4-10 through 4-14

OBMP Management Zones

Chino Basin Desalter Well

Streams & Flood Control Channels

Flood Control & Conservation Basins

Geology

Water-Bearing Sediments

Quaternary Alluvium

Consolidated Bedrock

Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks

Faults

Location Certain
Location Approximate
Approximate Location of Groundwater Barrier
Location Concealed
Location Uncertain

Prepared by:
WEI
Wildermuth Environmental, Inc.

Author: EM
Date: 6/5/2017
Document Name: Exhibit_4-4_sp2016

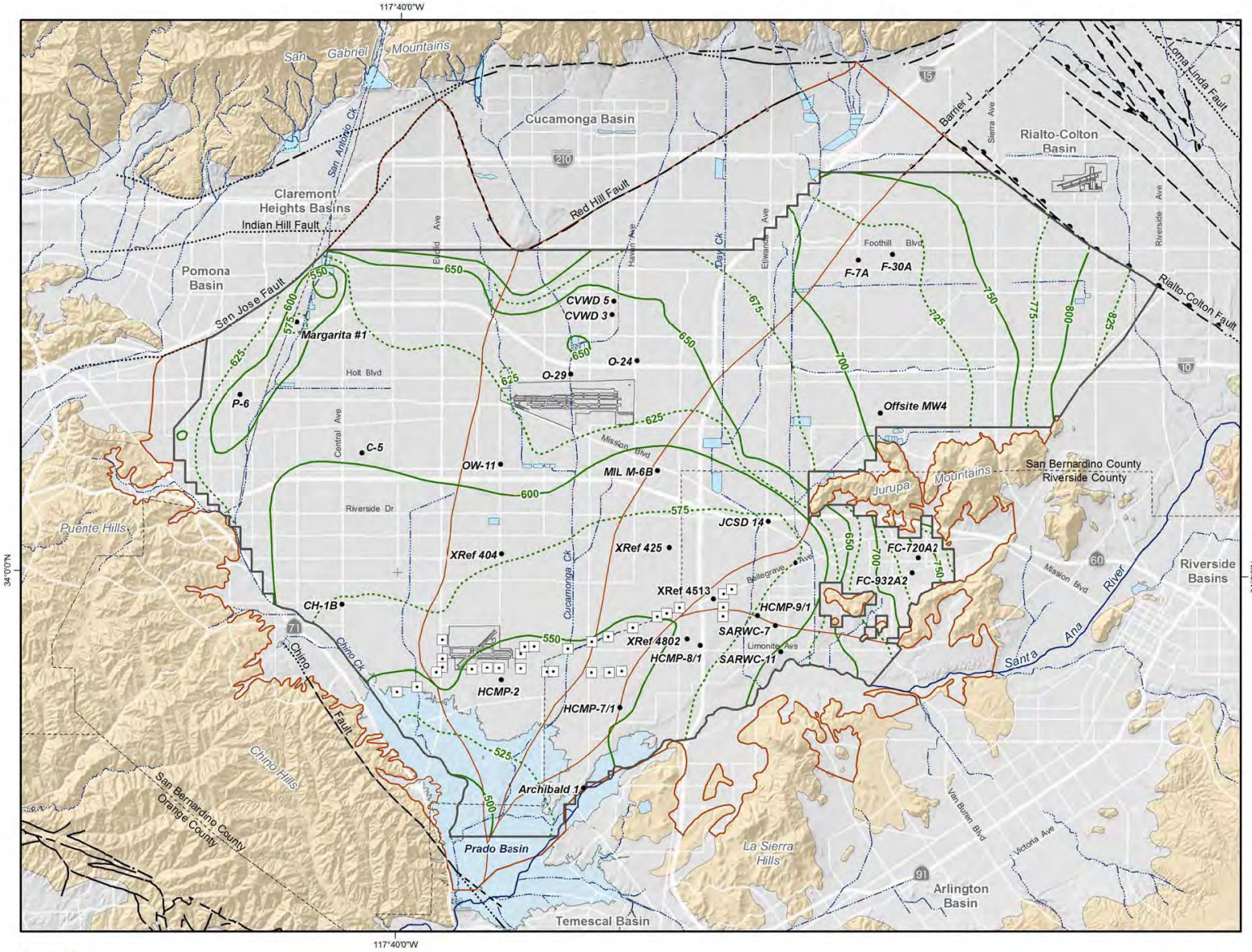
0 1 2 3 4 5 Miles
0 2 4 6 8 KM

2016 State of the Basin
Groundwater Levels

Groundwater-Elevation Contours in Spring 2016

Shallow Aquifer System

Exhibit 4-4



800 Groundwater-Elevation Contours (feet above mean sea-level)

Boundary of Contoured Area (contours are not shown outside of this boundary due to lack of groundwater-level data)

Well With a Groundwater-Level Time History Plotted on Exhibits 4-10 through 4-14

Chino Basin Desalter Well

Other key map features are described in the legend of Exhibit 1-1.

This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2018, showing the effects of about 18 years of OBMP implementation. The contours are generally consistent with the groundwater-elevation contours for spring 2016, indicating regional groundwater flow in a south-southwest direction from the primary areas of recharge in the northern parts of the Basin toward the Prado Basin in the south. There continued to be a discernible depression in groundwater levels around the eastern portion of the Chino Basin Desalter well field, which demonstrates the achievement of Hydraulic Control in this area. This depression merged with the pumping depression around the JCSD well field to the east and increased the hydraulic gradient from the Santa Ana River toward the desalter well field. As was the case in 2000 and 2016, there continues to be a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas).

Prepared by:

WEI
Wildermuth Environmental, Inc.

Author: EM
Date: 5/24/2019
File: Exhibit_4-4_sp2018.mxd

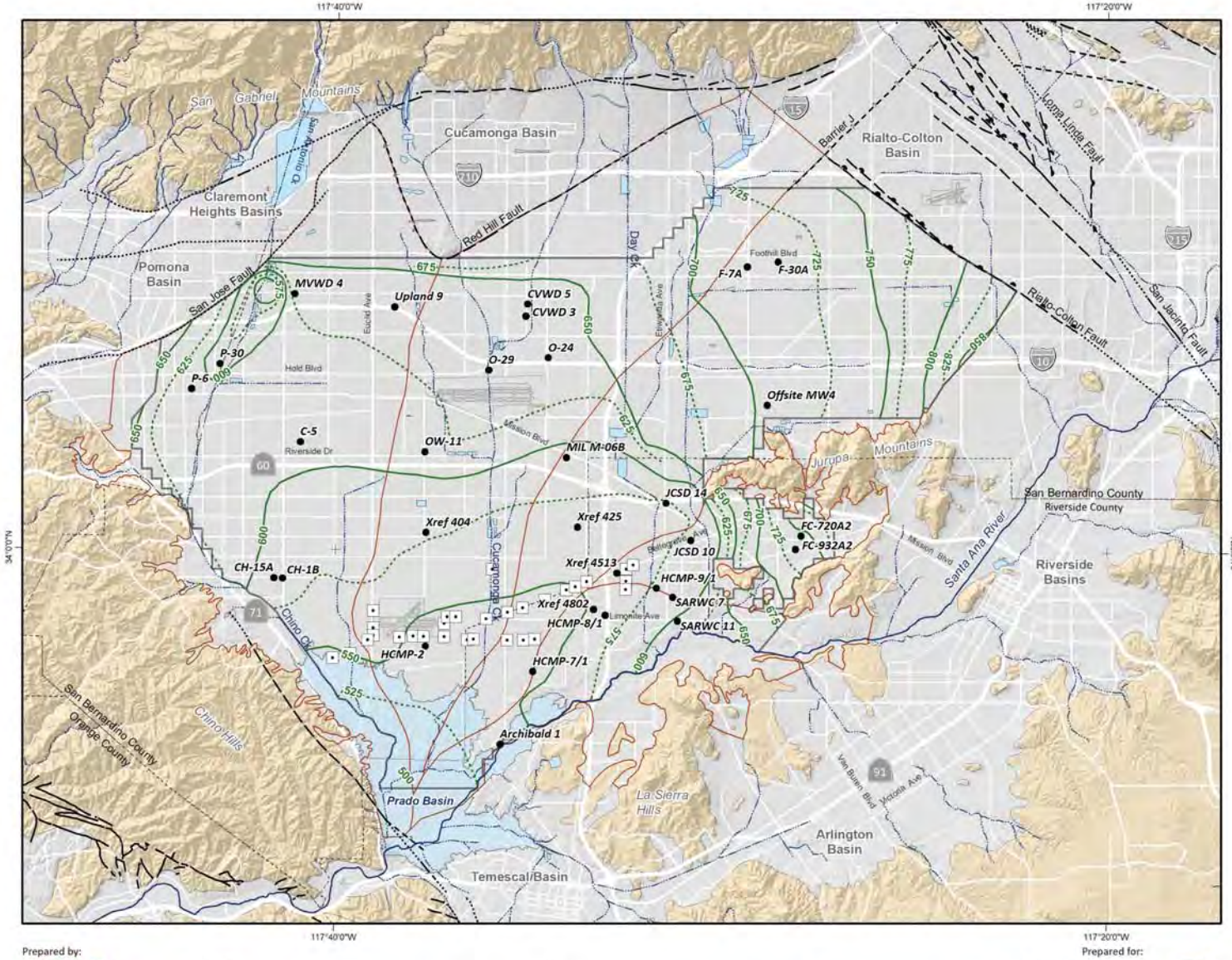
0 1 2 3 4 5 Miles
0 2 4 6 8 Km

Prepared for:
2018 State of the Basin Report
Groundwater Levels

Chino Basin Watermaster
Partners in Basin Management

Groundwater-Elevation Contours for Spring 2018
Shallow Aquifer System

Exhibit 4-4



800 Groundwater-Elevation Contours
775 (feet above mean sea-level)

Boundary of Contoured Area
(contours are not shown outside of this boundary due to lack of groundwater-level data)

Well With a Groundwater-Level Time History Plotted on Exhibits 4-10 through 4-14

Chino Desalter Wells

Other key map features are described in the legend of Exhibit 1-1.

This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2020, showing the effects of about 20 years of OBMP implementation. The contours are generally consistent with the groundwater-elevation contours for spring 2018, indicating regional groundwater flow in a south-southwest direction from the primary areas of recharge in the northern parts of the Basin toward the Prado Basin in the south. There continued to be a discernible depression in groundwater levels around the eastern portion of the Chino Basin Desalter well field, which demonstrates the achievement of Hydraulic Control in this area. This depression merged with the pumping depression around the JCSD well field to the east and increased the hydraulic gradient from the Santa Ana River toward the desalter well field. As was the case in 2000 and 2018, there continues to be a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas).

Prepared by:
WEST YOST
Water. Engineered.

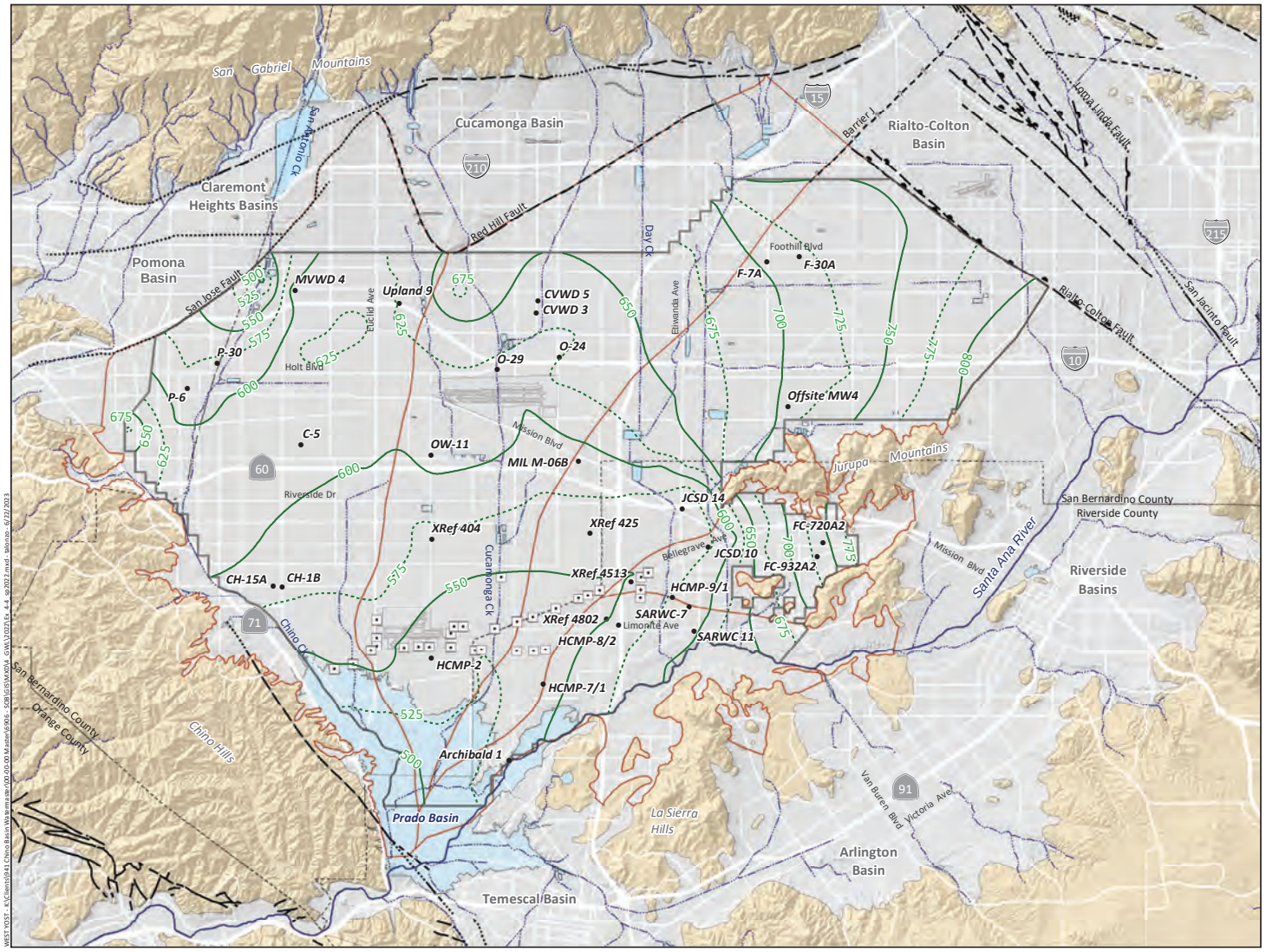
Author: TA
Date: 6/21/2021
K:\Clients\941 Chino Basin Watermaster\Chino Basin Master Project\SOB\GIS\MXD\2020\[Fig_4-1

0 3 6 Miles
0 4 8 Km

Prepared for:
Chino Basin Watermaster
2020 State of the Basin Report
Groundwater Levels

Groundwater-Elevation Contours for Spring 2020
Shallow Aquifer System

Exhibit 4-4



800 Groundwater-Elevation Contours
775 (feet above mean sea-level)

Boundary of Contoured Area
(contours are not shown outside of this boundary due to lack of groundwater-level data)

Well With a Groundwater-Level Time History Plotted on Exhibits 4-10 through 4-14

Chino Desalter Well

Other key map features are described in the legend of Exhibit 1-1.

This map displays contours of equal groundwater elevation across the Chino Basin during the spring of 2022, showing the effects of about 22 years of OBMP implementation. The contours are generally consistent with the groundwater-elevation contours for spring 2020, indicating regional groundwater flow in a south-southwest direction from the primary areas of recharge in the northern parts of the Basin toward the Prado Basin in the south. There continued to be a discernible depression in groundwater levels around the eastern portion of the Chino Basin Desalter well field, which demonstrates the achievement of Hydraulic Control in this area. This depression merged with the pumping depression around the JCSD well field to the east and increased the hydraulic gradient from the Santa Ana River toward the Chino Desalter well field. As was the case in 2000 and 2020, there continues to be a notable pumping depression in the groundwater-level surface in the northern portion of MZ1 (Montclair and Pomona areas).

Prepared by:
WEST YOST
Water. Engineered.

0 2 4 Miles
0 2 4 Km

Prepared for:
Chino Basin Watermaster
2022 State of the Basin Report
Groundwater Levels

Groundwater-Elevation Contours for Spring 2022
Shallow Aquifer System

Exhibit 4-4