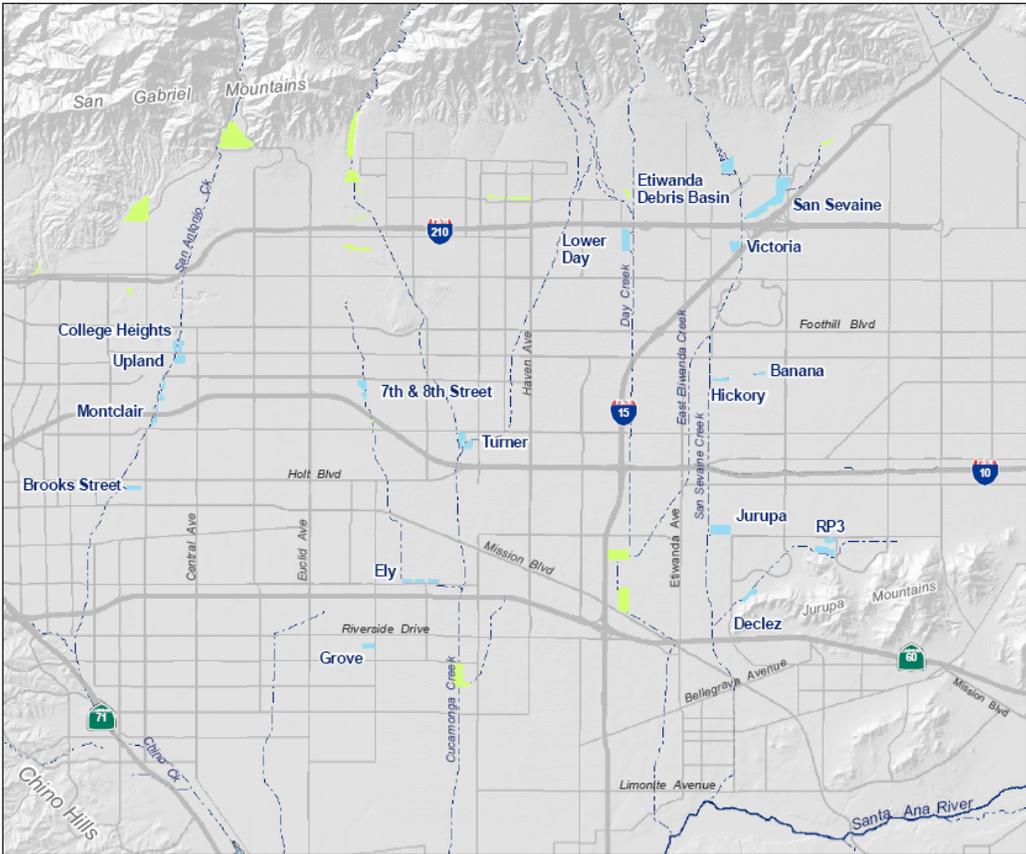


Chino Basin Recycled Water Groundwater Recharge Program

2017 Annual Report



May 1, 2018



Randy Lee, P.E.
Manager of Planning & Environmental Resources

Peter Kavounas, P.E.
General Manager

May 1, 2018

Regional Water Quality Control Board, Santa Ana Region

Attention: Ms. Hope Smythe

3737 Main Street, Suite 500
Riverside, California 92501-3348

**Subject: Transmittal of the Annual Report for 2017
Chino Basin Recycled Water Groundwater Recharge Program**

Dear Ms. Smythe:

The Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (CBWM) hereby submit the *2017 Annual Report* for the *Recycled Water Groundwater Recharge Program*. The recycled water groundwater recharge program is being implemented by IEUA and CBWM and its annual reporting is pursuant to requirements of the following orders:

- California Regional Water Quality Control Board, Santa Ana Region. Order No. R8-2007-0039. Water Recycling Requirements for Inland Empire Utilities Agency and Chino Basin Watermaster. 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 Inland Empire Utilities Agency and Chino Basin Watermaster. 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 2017:

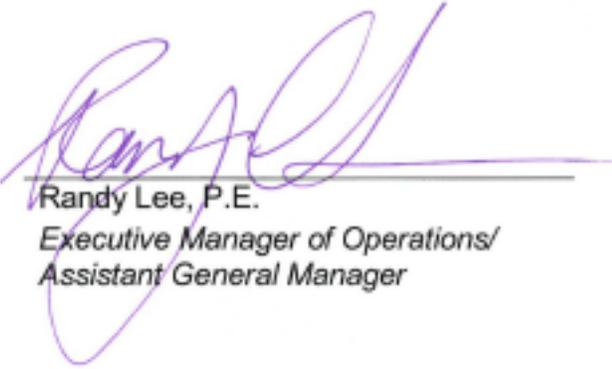
- The 2017 calendar year include annual program recharge of 59,448 acre-feet (AF), which includes 7,570.9 AF of storm water and dry weather flows; 14,371.9 AF of recycled water; and 37,505 AF of imported water.
- During 2017, recycled water quality monitoring was conducted in accordance with Monitoring and Reporting Program No. R8-2007-0039. No turbidity, coliform, and total organic carbon (TOC) compliance limits were exceeded during 2017. No primary or secondary regulated contaminants limits were exceeded during 2017, with the exception of the secondary MCL for odor.
- No corrective actions were necessary for RP-1 and RP-4. No unit process changes occurred during 2017.

- In-aquifer blending of recycled water, diluent water, and native groundwater is evident at monitoring wells near 8th Street, Banana, Hickory, Brooks, Ely, Turner, Victoria, and RP3 Basins. For 8th Street, Banana, and Hickory Basins, blending was observed to be occurring both in the groundwater mound and downgradient. Evidence includes variations in water chemistry, variations in water levels, and recharge ratios of water sources.
- At the end of 2017, the volume-based 120-month running average recycled water contributions (RWCs), inclusive of groundwater underflow, by basin were: 8th Street - 22%; Banana - 36%; Brooks - 18%; Declez 7%, Ely - 22%, Hickory - 22%, RP3 - 17%; San Sevaine 5 - 7%; Turner Basin Cells 1&2 - 22%; Turner Basin Cells 3&4 - 23%; and Victoria - 30%. 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 2017 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 observed trends in EC, TDS, and chloride concentration at the following monitoring wells 8TH-1/1 (22 months) for 8th Street Basin; BRK-1/1 (5 months) and BRK-1/2 (17 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; TRN-1/2 (3.2 months) for Turner Cell 1; TRN-2/2 (13 months) and Ontario Well No. 25 (48 months) for Turner Cell 4; VCT-1/1 (7.5 months) for Victoria Basin and RP3-1 (3.3 months) for RP3 Basin Cell 1. 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 2016) 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 2016 groundwater elevations measured in the program monitoring wells have generally changed less than the contour interval (25 feet) used in the 2003, 2006, 2008, 2010, 2012, and 2014 groundwater elevation maps. The only significant differences in groundwater flow direction between the 2003 and 2016 maps is for the mound at 8th Street, which between 2012 and 2016 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. 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 2016 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 2016 map.

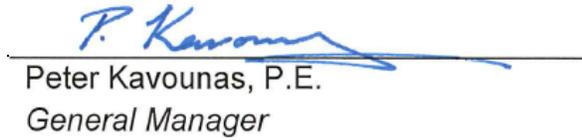
DECLARATION

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 2018 in the Cities of Chino and Rancho Cucamonga.



Randy Lee, P.E.
*Executive Manager of Operations/
Assistant General Manager*



Peter Kavounas, P.E.
General Manager

Chino Basin Recycled Water Groundwater Recharge Program

2017

Annual Report

Prepared by:

Inland Empire Utilities Agency

Andy Campbell

Groundwater Recharge Coordinator / Hydrogeologist

Bonita Fan

Sr. Environmental Resources Planner – Regulatory Compliance

Reviewed and Approved by:



Randy Lee, P.E.

Executive Manager of Operations / Assistant General Manager

May 1, 2018

TABLE OF CONTENTS

| | | |
|-------|---|------|
| 1 | INTRODUCTION | 1-1 |
| 1.1 | Requirements of Order No. R8-2007-0039 | 1-1 |
| 1.2 | Organization of the Annual Report | 1-2 |
| 2 | RECYCLED WATER QUALITY MONITORING | 2-1 |
| 2.1 | Recycled Water Quality Specifications | 2-1 |
| 2.1.1 | Detections and Compliance with Narrative Limits..... | 2-1 |
| 2.1.2 | Detections and Compliance with Regulated and Non-regulated Contaminants.... | 2-1 |
| 2.2 | Groundwater Quality Monitoring | 2-2 |
| 2.3 | Laboratory Certifications and Test Methods | 2-3 |
| 2.4 | Calibration Summary | 2-3 |
| 2.5 | Violations, Suspensions, and Corrective Actions | 2-3 |
| 2.6 | Unit Process Changes and Anticipated Impact on Water Quality | 2-5 |
| 2.7 | Summary of Chemical Usage..... | 2-5 |
| 3 | GROUNDWATER RECHARGE MONITORING..... | 3-1 |
| 3.1 | Summary of Recharge Operations | 3-1 |
| 3.2 | In-Aquifer Blending of Recycled Water | 3-1 |
| 3.2.1 | Evidence of Blending Based on Volume | 3-2 |
| 3.2.2 | Evidence of Blending Based on Water Quality | 3-3 |
| 3.3 | RWC Management Plan..... | 3-9 |
| 3.4 | Buffer Zone/Travel Time Compliance | 3-11 |
| 3.4.1 | Recharge Water Arrival Times | 3-11 |
| 3.4.2 | Leading Edge of Recycled Water in Aquifer | 3-14 |
| 3.4.3 | Tracer Test Results..... | 3-14 |
| 3.5 | Groundwater Elevations..... | 3-14 |
| 3.5.1 | Current Elevation vs. Modeled Elevation..... | 3-15 |
| 3.5.2 | Water Level Trends in Monitoring Wells..... | 3-15 |
| 4 | REFERENCES | 4-1 |

LIST OF TABLES

| | |
|-----|---|
| 2-1 | Summary of Treatment Chemical Usage at RP-1 and RP-4 |
| 3-1 | Evidence of Recycled Water Blending Based on Water Quality at Monitoring Wells in 2017 Based on EC and Chloride |
| 3-2 | Volume-Based RWC Actuals by Basin |

LIST OF FIGURES

| | |
|-----|--|
| 1-1 | Basin Locations |
| 2-1 | Monitoring Well Network: Hickory and Banana Basins |
| 2-2 | Monitoring Well Network: Turner Basins |
| 2-3 | Monitoring Well Network: 7th & 8th Street Basins |
| 2-4 | Monitoring Well Network: Ely Basin |
| 2-5 | Monitoring Well Network: Brooks Basin |
| 2-6 | Monitoring Well Network: Declez & RP3 Basins |
| 2-7 | Monitoring Well Network: San Sevaine & Victoria Basins |

LIST OF APPENDICES

| | |
|---|---|
| A | Monthly Groundwater Recharge Summaries |
| B | RWC Management Plans |
| C | Evidence for Blending: EC, TDS, & Chloride Time-Series Graphs |
| D | Monitoring Well Hydrographs |
| E | Groundwater Elevation Contour Maps |

1 INTRODUCTION

This is the 2017 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 2017 quarterly monitoring reports to the Regional Board Water Quality Control Board (Regional Board) for these basins where recharge of recycled water has been initiated. During the 2017 calendar year, 59,448 acre-feet (AF) of water were recharged in the Chino Basin, which included 7,570.9 AF of storm water and dry weather flows; 14,371.9 AF of recycled water; and 37,505 AF of imported water.

1.1 Requirements of Order No. R8-2007-0039

This Recycled Water Groundwater Recharge Program is subject to the requirements found in the following documents issued by the California Regional Water Quality Control Board Santa Ana Region:

- Order No. R8-2007-0039 Water Recycling Requirements for Inland Empire Utilities Agency and Chino Basin Watermaster, 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 Inland Empire Utilities Agency and Chino Basin Watermaster, 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 Inland Empire Utilities Agency and Chino Basin Watermaster, 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 Inland Empire Utilities Agency and Chino Basin Watermaster. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, October 27, 2010.

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. Pursuant to the new GRRP regulations, additional monitoring and reporting began in 3Q15.

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 equipments, 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 Organization of the Annual Report

The annual report contains two main sections: Section 2: Recycled Water Quality Monitoring and Section 3: Groundwater Recharge Monitoring. Supporting documents for these sections are included in the 2017 quarterly monitoring reports or are provided as appendices to this report. Section 2 discusses compliance with recycled water production specifications and other water quality requirements. Section 3 discusses the blending and movement of recycled water in the groundwater basin.

2 RECYCLED WATER QUALITY MONITORING

2.1 Recycled Water Quality Specifications

During 2017, recycled water quality monitoring was conducted in accordance with the required frequency for all parameters as specified in MRP No. R8-2007-0039. All monitoring and compliance data for the year can be found in the quarterly monitoring reports submitted to the Regional Board (IEUA 2017a, 2017b, 2017c, 2018).

2.1.1 *Detections and Compliance with Narrative Limits*

Recycled Water Specifications A.5 through A.9 are narrative limits in the permit. The 2017 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.

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 NPDES-permitted 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 coliform is daily; total inorganic nitrogen (TIN), total nitrogen (TN), and total organic carbon (TOC) is weekly; and total dissolved solids (TDS) is monthly. Compliance with the TN limit of 5 mg/L can also be met at the lysimeters (Table 2-5a of quarterly reports) or at locations specified in alternative monitoring plans (Table 2-5b of quarterly reports). None of the narrative limits for turbidity, coliform, TDS, TIN, pH, or TOC were exceeded during 2017.

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. During 2017, 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 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 is the turnout to NRG California South, LP (formerly known as Reliant Energy), as it represents a mixture of recycled water from both RP-1 and RP-4. The 2017 recycled water quality monitoring data and associated limits for Recycled Water Specifications A.1 through A.3 are shown in Table 2-3 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 2017, the 4-quarter running average concentrations for constituents with constituents with primary MCLs,

secondary MCLs, and action levels did not exceed compliance limits, with the exception of the secondary MCL for odor (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 2-4 of the quarterly monitoring report. In 2017, the annual sampling for the non-regulated contaminants in the recycled water took place during the third quarter of 2017.

The compliance sampling point for Total Trihalomethanes (TTHMs), Total Haloacetic Acids (HAA5), and 1,2,3-Trichloropropane (1,2,3-TCP was added in 3Q17 after it was adopted as a primary MCL in July 2017) are not at the NRG Turnout. Lysimeter compliance sampling for these parameters is performed at groundwater recharge basins actively receiving recycled water prior to sampling. Compliance for TTHMs and HAA5 were consistently met throughout 2017 and 1,2,3-TCP were consistently met starting 3Q17 at the selected 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, Decluz & 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, groundwater quality samples are collected and tested annually for constituents 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 groundwater-quality data collected at the monitoring wells is reported in Table 2-9a and 2-9b of the quarterly monitoring reports. Annual monitoring data for 2017 can be found in Table 2-9c in the 3Q17 report.

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. 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 2017, and the notification to the DDW.

2.3 Laboratory Certifications and Test Methods

Water quality samples collected for the recycled water recharge program are analyzed by either the IEUA or Eurofins Eaton Analytical (EEA) laboratories. Both 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 2019 and the EEA laboratory certification is valid through January 2019.

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 2017 Annual Laboratory QA/QC Data Summary Report was also submitted to the Regional Board as an attachment in IEUA's 2017 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 a QED MP20 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

No operational problems or corrective actions at RP-1 or RP-4 were initiated based on regulatory monitoring at the NRG Turnout and at the recharge basins.

Odor has a secondary MCL of 3 Units in Recycled Water Specification A.3. During every quarter of 2017, the 4-quarter running average threshold odor value exceeded the secondary MCL. The odor has been identified by EEA as chlorine. Recycled water used for groundwater recharge must meet disinfected tertiary recycled water standards in accordance to Title 22. Sodium hypochlorite is used as the disinfection agent at the RP-1 and RP-4 water recycling facilities; hence, the smell of chlorine is prominent in recycled water and is therefore unavoidable. Order No. R8-2007-0039 allows compliance for secondary MCLs to be determined at the mound monitoring well. Based on the mound monitoring well data (Table 2-9a in the quarterly reports), threshold odor does not exceed 3 Units at any of the monitoring wells.

During 2017, 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 notified within 48 hours of receiving the results for primary MCL exceedances or coliform presence at active municipal drinking water wells. Exceedances of primary MCLs and coliform presence at non-drinking water monitoring wells and all secondary MCL exceedances will only be reported in the quarterly reports.

As required in MRP R8-2007-0039 Section V.2 the DDW were notified when necessary. The following describes the exceedances that were detected during 2017 groundwater sampling, and any DDW notification:

- Turbidity exceeding the secondary MCL of 5 NTU was observed at several wells, namely: 8TH-1/1, Bishop of San Bernardino Corporation (Ely), BRK-1/1, BRK-2/1, BRK-2/2, DCZ-1/1, Ely MW1, RP3-1/1, T-2/1, and VCT-1/1.
- The secondary MCL of 15 units for color was exceeded at several wells, namely: 8TH-1/1, Bishop of San Bernardino Corporation (Ely), BRK-1/1, BRK-2/1, BRK-2/2, DCZ-1/1, and RP3-1/1.
- The secondary MCL for pH within the range of 6.5 to 8.5 was exceeded at Ontario Well No. 38 and Reliant Energy – East Well.
- The secondary MCL of 3 units for threshold odor was exceeded at Reliant Energy – East Well.
- The secondary MCLs of 50 µg/L for manganese and 300 µg/L for iron were exceeded at Ely MW1.
- TDS and electrical conductivity (EC) were higher than their secondary MCLs of 500 mg/L and 900 µmhos/cm, respectively, in the RP3 basin area wells (Alcoa MW3 and Southridge JHS) and Ely MW2 (Walnut). Bishop of San Bernardino Corporation and RP3-1/1 exceeded the TDS secondary MCL. The wells south of the Ely Basins and near the RP3 Basins are 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.
- Some monitoring wells, including potable supply wells, in the Banana-Hickory, RP3, Brooks, and Ely Basins monitoring networks have NO₃-N concentrations above the primary MCL of 10 mg/L. These higher levels are characteristic of groundwater quality in the local area where historically the NO₃-N concentrations range from 10-30 mg/L. The distribution of NO₃-N concentrations observed at wells in the Chino Basin are summarized in Watermaster's State of the Basin Reports. No notifications were made to the DDW as these high NO₃-N concentrations are comparable to the ambient NO₃-N concentration in groundwater for each monitoring well's respective groundwater management zone within the Chino Basin.
- Total coliform was detected at various wells during 2017. In accordance with the MRP, notification to the DDW of coliform presence in active municipal drinking water wells must be made within 48 hours of receiving the results. There were no notifications made to the

DDW for coliform presence 2017, as none of wells that showed coliform presence were active municipal drinking water wells.

Unitex 91090 is an active private potable well that has shown coliform presence. No notification was made to the DDW or municipality due to the well not being a municipal well. Additionally, there has been no recycled water recharge upgradient of this well at San Sevaine 5 since 2Q14.

- During the annual sampling event, the perchlorate concentration at BRK-1/2 was above the primary MCL of 6 µg/L. Perchlorate concentrations at BRK-1/2 have always been at levels slightly above the MCL since sampling at this well began in early 2007, prior to recycled water recharge. The perchlorate concentrations in BRK-1/2 are consistent with historical background groundwater concentration founds at nearby wells in the Pomona area. The perchlorate concentrations in these areas are reported in the Watermaster's State of the Basin reports.

2.6 Unit Process Changes and Anticipated Impact on Water Quality

No unit process changes occurred during the 2017 calendar year, therefore there was no impact on water quality.

2.7 Summary of Chemical Usage

The summary of treatment chemicals used on a monthly basis at RP-1 and RP-4 during the 2017 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 2017, IEUA's recycled water recharge totaled 14,372 AF. The table below summarizes the volume of recycled water recharged during 2017 at each basin, and the percent of total recharge that is comprised of recycled water. The table shows the distribution of recharge amongst the basins and the percent does not represent the blend of the water recharged.

| Basin | 2017 Recycled Water Recharge (AF) | Percent of 2017 Recycled Water Recharge |
|------------------------|---|---|
| 8 th Street | 1,729 | 11.9% |
| Banana | 1,269 | 8.8% |
| Brooks | 9,25 | 6.4% |
| Declez | 0 | 0% |
| Ely | 1,339 | 9.2% |
| Hickory | 765 | 5.3% |
| RP3 | 4,858 | 33.6% |
| San Sevaine | 0 | 0% |
| Turner | 1,757 | 12.1% |
| Victoria | 1,835 | 12.7% |
| Total | 14,372 | 100.0% |

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, 2017a, 2017b, 2017c, and 2018), but are repeated in this section's discussion of RWC (recycled water contribution) management plans.

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 horizontal groundwater flow travel velocity away from the recharge site is much slower than the vertical recharge percolation velocity. 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

The 2017 monthly recharge volumes by water type are presented in Appendix A and in the historical recharge portion of the RWC Management Plans (Appendix B). Recycled water and diluent water are typically recharged in distinct batches. However, there can be some blending of local runoff with recycled water as it is delivered to the basins, or if storm water enters a basin already containing some recycled water. Variations in the delivery period for batches of diluent water and recycled water provide a 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, initial use of the fraction of groundwater underflow used as a diluent water source in the RWC calculation is either October 2009 (the date the permit amendment was adopted allowing for its use) or 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). Underflow for each basin was calculated using the Darcy flow equation with input parameters originating from CBWM's calibrated groundwater flow model. 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.

The running average RWC calculation is equal to:

$$\text{Recycled Water 120-Month Total Volume} / (\text{Recycled Water} + \text{Diluent Water 120-Month Total Volume})$$

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. 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, recycled water arrival at the mound monitoring well based on EC and chloride data are inconclusive to determine its arrival. Recycled water recharge at San Sevaine 5 was suspended in 2014 due to poor infiltration rates and resulting maintenance issues.

At the end of December 2017, the (volume-based) running average RWC for basins having initiated recharge using recycled water were as follows:

| Basin | RWC Limit (prior to 6/18/15) | RWC Limit (after 6/18/15) | 120-Mo. Running Avg. RWC |
|------------------------|---------------------------------|------------------------------|-----------------------------|
| 8 th Street | 28% | 50% | 22% |
| Banana | 36% | 50% | 36% |
| Brooks | 42% | 50% | 18% |
| Ely | 29% | 50% | 22% |
| Declez | NA | 20% | 7% |
| Hickory | 36% | 50% | 22% |
| RP3 | 50% | 50% | 17% |
| San Sevaine 5 | 27% | 27% | 7% |
| Turner 1&2 | 24% | 24% | 22% |
| Turner 3&4 | 45% | 45% | 23% |
| Victoria | 50% | 50% | 30% |

Maximum average RWC and the RWC management plans are discussed in more detail in Section 3.3. The volume-based percentages express reasonably anticipated blending as recharge waters move towards distant monitoring wells.

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 occurrence of blending within the aquifer. The graphs depicting trends in EC, TDS, and chloride are presented in Appendix C. The graphed data are 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 rare 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).

For the wells showing EC (and chloride) increases associated with recycled water recharge, Table 3-1 provides an estimated range of the peak percent blend of recycled water observed at a given well in the past year based on the peak EC and Cl concentrations. The mass-balance blend percentages 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 in Table 3-1 is the approximate well water concentration prior to recycled water recharge. The recycled water EC in Table 3-1 is the current calendar year average concentration of the blended RP-1 and RP-4 recycled water.

8th Street Basin Area

For the 8th Street Basin area, in the shallower monitoring well (8TH-1/1) there was a 2009-10 increase in chloride concentrations indicating the arrival of recycled water that was recharged in 2007 and 2008. This represents an approximate 21-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. EC concentrations showed an increasing trend in 2017, while chloride and TDS concentrations showed a decreasing trend. As presented in Table 3-1, the highest percent blend of recycled water in the groundwater mound at 8TH-1/1 during 2017 was approximately 60% to 64% based on chloride and EC concentrations. After the 2015 peak, recycled water blend at the well decreased through 2017.

In the deeper casing (8TH-1/2), there were slight increases in the EC, TDS, and chloride concentrations from mid-2011 to 2017 after trending downward since the well was constructed in 2007. These increases suggest recycled water recharge upon 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 2017, 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 nearly steady rate. As the TDS and EC data are within historical, pre-recycled water recharge values, 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. At 50 mg/L, the chloride concentration continues to be above background levels (approximately 20 mg/L) However, recycled water arrival would be confirmed should EC and TDS continue to rise significantly above the 2011 baseline concentrations (460 μ mhos/cm and 300 mg/L, respectively) at this location and depth. As presented in Table 3-1, the highest percent blend of recycled water in the groundwater mound at 8TH-1/2 during 2017 may have reached approximately 35% based on chloride concentrations.

Between 2007 and 2017, the shallower casing of monitoring well 8TH-2 (8TH-2/1) shows cyclical seasonal variations and a trend of decreasing in EC, TDS, and chloride that make the arrival of recycled water somewhat difficult to evaluate. Arrival of recycled water at 8TH-2/1 would likely be observed as a longer-term increase in the cyclical annual peaks of EC, TDS, and chloride. In 2016 and 2017, EC and TDS peaks were greater than their historical peak (about 50 mg/L higher for TDS). This would suggest an 8.5 to 9-year travel time to this well casing. Chloride remained in the historical range. Water quality monitoring of the deeper well casing of 8TH-2 (located approximately 2,500 feet farther from 8TH-1) was suspended in the third quarter of 2015, and resumed in the second quarter of 2017. Since monitoring began in 2007, there is insufficient indication from 8TH-2/2 to identify a recycled water source in the groundwater in relation to the recharge operations at 8th Street Basin. In the deeper casing of monitoring well 8TH-2 (8TH-2/2), TDS and EC concentrations both showed an increase from 2007 through mid-2009 followed by a consistent decrease through early 2015 to below the initial 2007 concentrations. This increase and then decrease in concentration is sooner than would be expected if it were caused by recycled

water recharge based on the well distance from the recharge basin and is thus considered background variations. Between 2007 and early 2017, these data likely indicate varied concentrations of groundwater are moving past the well site. Of note, chloride concentrations appear to be trending slowly upwards in 2017 to a historical high (35 mg/l) and should be watched for possible higher concentrations in 2018.

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 are observed and suggest a stabilized RWC with historical operations at Hickory and Banana Basins. In mid-2014 through 2015, EC, TDS, and chloride data increased to historically high levels (another 130 mg/L increase in TDS). In 2016 and 2017, concentrations remained fairly stable. As presented in Table 3-1 in 2017, the highest percent blend of recycled water the groundwater mound at BH-1/2 based on EC and chloride variations reached approximately 90% to 100%.

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 2015 (150-mg/L TDS and 19 mg/L chloride differences). The gradual increase is to be expected with gradual blending as groundwater moves away from the basin (compare with the 150 to 200-mg/L TDS variation at the basin area mound). Travel time from Banana Basin to the California Speedway Infield Well based on these data is approximately 29 months. In 2016 and 2017, concentrations of EC, TDS, and chloride generally plateaued at peak historical levels. As presented in Table 3-1 based on EC and chloride variations, in 2017 the highest percent blend of recycled water in the groundwater at the California Speedway Infield Well reached approximately 28% to 68%.

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 increase in concentration trend began and continued through 2017. While small, the change supports a recycled water arrived at this well in April 2012, an approximately 6.5-year travel time. As presented in Table 3-1 based on EC and chloride variations, in 2017 the highest percent blend of recycled water in the groundwater at the California Speedway Well No. 2 reached approximately 10% to 25%.

For downgradient well Reliant East, the EC, TDS, and chloride data do not definitively suggest arrival of recycled water recharge, although slight increases in the monitored parameters were observed in 2015 and 2016. Continued observation of the Reliant well is needed to evaluate whether it is being impacted by recycled water recharge. 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 will be replaced with Fontana Water Company 7A in 2018.

Brooks Basin Area

For the Brooks Basin area, monitoring wells are located at the basin (BRK-1) and downgradient 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.

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 have been observed and attributed to the presence of recycled water at BRK-1/1. In 2015, 2016, and 2017, the EC and TDS concentrations have been relatively stable in BRK-1/1. However, chloride concentrations decreased from approximately 110 mg/L in 2015 to 90 mg/L in 2017. As presented in Table 3-1 based on EC and chloride variations, the highest percent blend of recycled water in the groundwater mound at the recharge basin during 2017 reached approximately 86 to 100% 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 smaller (than BRK-1/1) increases in EC, TDS, and chloride began in January 2010 and continued through 2017. Concentration increases of 100 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. Based on the historical EC and chloride data, the percent blend of recycled water at BRK-1/2 has been approximately 10% to 59%.

The chloride concentrations at BRK-2/1 show a 35-mg/L stepped increase in 2011 that oddly coincides with a 100 μ mhos/cm decrease in EC. Then in 2012 and continuing through 2014, chloride concentrations decreased to background levels while EC and TDS increase steadily. Beginning in mid-2014 through 2017, chloride concentrations in BRK-2/1 increased sharply (approximately 40 mg/L) to historical highs, similar to the increase observed from mid-2010 through mid-2011. While the chloride trends may indicate pulses of arrival of recycled water recharge in the shallower casing groundwater, continued observations at this well would be necessary to identify, with certainty, the presence of recycled water based on TDS and EC changes. The return to background concentrations through 2013 and 2014 could suggest a change in groundwater flow direction (of Brooks Basin recharge) around this well. Groundwater flow direction west of Brooks Basin is subject to the dynamics of a pumping depression in Pomona which has been observed to gradually shift location and magnitude over the years (see Appendix E). For downgradient well BRK-2/2, the EC, TDS, and chloride data are relatively stable and do not definitively suggest arrival of recycled water recharge. Continued observation of the BRK-2/2 is needed to evaluate whether it is being impacted by recycled water recharge.

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. In 2015 2016, and 2017, the EC, TDS and chloride concentrations at the Philadelphia well have decreased slightly, but remain well above pre-2014 levels. As presented in Table 3-1 based on EC and chloride variations, the highest percent blend of recycled water in the groundwater at the Philadelphia well during 2017 reached approximately 67% to 85%.

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. The lower TDS concentrations in 2009 to 2011 may be linked with more intense periods of storm water and recycled water recharge that would dilute the higher background TDS groundwater; however, these return to higher levels in from 2011 to 2017. 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 2015 followed by a slight decrease in 2016 and 2017. These results do not indicate any direct seasonal changes from recycled water or diluent water recharge at Ely Basin. The volume-based percent recycled water recharged at Ely basin has been between 12% and 22% the past 5 years (including groundwater underflow).

Turner Basin Area

The Turner Basin area monitoring well TRN-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 recent drought conditions, a larger volume of recycled water was delivered in late 2014, 2015, and early 2017 than prior years. The rapid fluctuations in TDS, EC, and chloride concentrations at TRN-1 indicate recharge water moves quickly away from the Turner 1 basin. As presented in Table 3-1 based on EC and chloride variations, the highest percent blend of recycled water in the groundwater mound at Turner 1 during 2017 was approximately 79% to 100% at TRN-1/2.

At monitoring well TRN-2/2 (adjacent to Turner 4), the EC, TDS, and chloride concentrations are delayed several months from past recharge activities. The slower and smaller relative concentration changes (compared to TRN-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 2017, Turner 4 mound had a lower percent of recycled water than the prior two years. As presented in Table 3-1 based on EC and chloride variations, the highest percent blend of recycled water in the groundwater mound at the Turner 4 basin during 2017 was approximately 40% to 55%. The TRN-1/2 and TRN-2/2 data show recycled water blending is occurring with groundwater in the aquifer beneath the Turner Basins.

Downgradient from the Turner Basins, Ontario Well No. 25 showed a slight increase in EC (75 $\mu\text{mhos/cm}$), TDS (40 mg/L), and chloride (10 mg/L) above background levels that suggest recycled water arrival in July 2010. Between 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. Estimated travel time based on these water quality data is approximately 48 months. As presented in Table 3-1 based on EC and chloride variations, the highest percent blend of recycled water in the groundwater at Ontario Well No. 25 during 2017 was approximately 7% to 8%.

In January 2009 through 2010, downgradient Ontario Well No. 29 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 and 2017 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 blending 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. 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. By April 2012, EC, TDS, and chloride concentrations reached historical lows for this well site. From late 2012 through late 2017, EC, TDS, and chloride concentrations steadily increased. Use of the low values in 2012 as baseline conditions followed by a steady rise in EC, TDS, and chloride through 2017, has provided sufficient data to estimate a blend of recycled water beneath the basin. As presented in Table 3-1 based on EC and chloride variations, the percent blend of recycled water in the groundwater during 2017 at well RP3-1/1 was 97% to 100%. Due to their similarities in water quality, sampling of the deeper casing RP3-1/2 was discontinued in 2015.

Downgradient well ALCOA MW-1 shows seasonal (summer through early fall) spikes in EC, TDS, and chloride from 2011 through 2017. These spikes of high concentrations are greater in magnitude than their respective concentrations in recycled water, and thus are likely due to salt contamination moving past the well. 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.

Downgradient well ALCOA MW-3 has higher EC, TDS, and chloride concentrations than ALCOA MW-1. In 2017, ALCOA MW-3 groundwater continued to show fluctuating EC, TDS, and chloride concentrations, which suggests salt contamination moving past the well site. The EC has ranged from 785 to 1,163 $\mu\text{mhos/cm}$ which is higher than the recycled water EC (about 750 $\mu\text{mhos/cm}$). More data is required to evaluate the arrival of recycled water at ALCOA MW-3.

The Southridge Junior High School (JHS) well water quality data show a slight but gradual decrease in EC, TDS, and chloride concentrations since quarterly sampling began in 2009 through 2013 and then relatively stable values through 2017. The background concentrations at the Southridge JHS well are higher than that of recycled water. As such, mixing of groundwater

with recycled water at this location would appear as a slight downward trend. Alternatively, it could increase as higher salinity upgradient groundwater moves southward. The well data do not suggest that recycled water recharge has reached the downgradient Southridge JHS well from the RP3 recharge site. In 2013, the well pump's electric motor failed and no samples were collected until its repair in 2014. In 2014, the well was rehabilitated and the pump was replaced. A well video was conducted and identified the well is screened at multiple depths. Louvered well screen intervals were observed below ground surface from 100 feet to 140 feet, 160 feet to 200 feet, 220 feet to 258 feet, 278 feet to 320 feet, and 340 feet to 360 feet.

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 will resume in 2018 upon completion of an intermediate downgradient monitoring well. Background EC, TDS, and chloride have notable annual variation in concentration, which may make determination of percent recycled water difficult. In 2017 all parameters rose to slightly higher than prior background levels. Conditions at DCZ-1/1 appear to be similar to the fluctuations at the upstream ALCOA and Southridge monitoring wells. The two DCZ-1/1 EC data spikes during the start-up period are likely anomalous as they do not remain high as does the basin surface water and lysimeter waster (IEUA, draft Start-Up Protocol for Declez Basin) and these spikes are not seen in the TDS and chloride data. Additional long-term monitoring will be needed to determine the impact of recycled water recharge at this location.

San Sevaine & Victoria Basins Area

Monitoring of San Sevaine and Victoria Basins area wells began in late 2009. Initiation of recycled water recharge began in these two basins in mid-2010. Recycled water recharge at San Sevaine 5 was suspended voluntarily in 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 and resume recycled water recharge there in mid 2018. For the San Sevaine area, the trends in EC, TDS, and chloride have yet to indicate a detectable arrival of recycled water at monitoring wells SS-1 and Unitex 91090. Both wells show slightly declining or stable concentrations.

Victoria Basin mound monitoring well VCT-1/1 shows 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. Through 2017, these parameters began to decline slightly. Mound monitoring well VCT-1/1 water quality data support a travel time of approximately 7.5 months based on the initiation of recycled water recharge on September 2, 2010 and its arrival detection with the May 19, 2011 sample. As presented in Table 3-1 based on EC and chloride variations, the percent blend of recycled water in the groundwater mound at Victoria Basin during 2016 was 93% to 96% 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 5, 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, the tabulated and graphed RWC Management Plans (Appendix B) show only 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 for the previous 5 years. Part 2 is the planned optimal operation for the next 10 years (120 months). 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 RWQCB 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 2014 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, Victoria, 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%, except for Victoria. 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 actual at the end of 2017 for each recharge site. 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 2017 quarterly monitoring reports, CBWM has certified that there was no reported pumping of groundwater in 2017 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 the aforementioned recharge sites.

3.4.1 Recharge Water Arrival Times

As documented in annual reports and 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 and BRK-1/2 for Brooks Basin; BH-1/2 for Hickory Basin; California Speedway Infield Well for Banana Basin; TRN-1/2 and TRN-2/2 for Turner 1 and Turner 4 Basins, respectively; Ontario Well No. 25 for Turner 4 Basin; VCT-1/1 for Victoria Basin, and RP3-1/1 and RP3-1/2 for RP3 Basins. 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 natural seasonal variations.

8th Street Basin Area

Travel time from 8th Street Basin through the vadose zone and along groundwater flow paths to monitoring well 8TH-1/1 is estimated by steadily increasing concentrations of EC, TDS, and chloride beginning in July 2009 and continuing 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 until a long-term trend is identified for an influence from recharge activity).

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 at approximately 59 days (IEUA and CBWM, 2009). The California Speedway Infield Well has demonstrated a small but gradual increase in EC, TDS, and chloride from September 2005 through the end of 2012. Travel time from Banana Basin to California Speedway Infield Well is estimated at 890 days (29 months) based on a stepped increase in EC, TDS, and chloride concentrations between data collected on October 9, 2007 and

January 7, 2008 (IEUA and CBWM, 2009). The modeled travel time to the California Speedway Infield Well was 682 days (22 months) (CH2MHill, 2003).

Travel time from the Banana - Hickory Basin 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 2017. These parameters were relatively stable from 2006 to 2012. Speedway No. 2 is located about one half mile south of Hickory Basin. Due to the groundwater flow gradient direction, the travel time most likely is from travel 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 (being replaced in 2018) showed a similarly gradual increasing trend in these parameters continually from 2006 through 2016, which should not be due to recharge activities at Banana and Hickory Basins. The trend at Speedway No. 2 is interpreted as a recycled water arrival due to its relatively stable concentrations from 2006 to 2012. The downgradient monitoring well, Reliant East, has not yet shown definitive variations in EC, TDS, and chloride that would signal arrival of recycled water.

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, variations of EC, TDS, and chloride concentrations after recharge are similar to the background variations prior to recycled water recharge, which makes identification of travel time to this well difficult. EC and TDS data at BRK-2 (casings BRK-2/1 and BRK-2/2) continue to be within the range of the background concentration; an increase in chloride concentration at BRK-2/1 was observed through 2011 and 2012 and again in 2015 and 2017 which may suggest brief arrivals of recycled water. In 2013 and 2014, chloride concentration at BRK-2/1 returned to background levels. These brief elevated chloride concentrations may suggest a minimum potential arrival time of 29 months (2.4 years), but is not definitive without a corresponding increase in EC and TDS.

Ely Basin Area

Groundwater in the Ely Basin area has high background TDS and nitrate concentrations from a history of irrigation. Due to the seasonal variations of TDS, EC, and chloride concentrations at the Philadelphia, Walnut, and Riverside Wells, 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.

Turner Basin Area

Travel time from Turner Basins through the vadose zone to the groundwater is approximately 10 to 12 months for both Turner well sites. While the initial rise in EC, TDS, and chloride at TRN-1/2 suggested a 3-month travel time, the subsequent decline in EC, TDS, and chloride during summer and fall of 2008 suggested a longer travel time of approximately 10 months, after recycled water recharge stopped in the summer of 2007. At TRN-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. TRN-1/1 is not currently sampled as it was constructed above the water table for future mound sampling needs, TRN-2-1 sampling was suspended in 2015 due to sampling results very similar to TRN-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 TRN-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 suggest a travel time of 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 2017 are consistent with the prior data interpretations for these two Ontario wells.

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 $\mu\text{mhos/cm}$, 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 $\mu\text{mhos/cm}$. Recycled water recharge began on June 2, 2009 and a 400- $\mu\text{mhos/cm}$ 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. Recycled water has also been observed as a chloride increase in both the shallow and the deep casing RP3-1/1 and RP3-1/2 in the summer of 2010, approximately 12 months after initiation of the basin with recycled water. The longer time to observe a chloride response is likely due to the purged of the vadose zone. The water quality data from downgradient monitor wells ALCOA MW-1 and MW-3 do not indicate the arrival of recycled water at these locations. Data collected in 2016 are consistent with the prior data interpretations for the RP3 region monitoring wells.

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 5 to the water table is complicated by recharge activities at San Sevaine 1. For the 2017 Annual Report, the hydrograph of SS-1 is complimented with recharge of both basin 5 (storm water and recycled water) and the combined basins 1, 2, and 3 (stormwater and imported water). Both sets of basins appear to have different impacts timing on the well water levels (varying from 2 to 4 months). The timing of water level impacts from these recharge is complicated and warrants further data collection. There is currently insufficient data from the San Sevaine area monitoring wells to establish travel times of recharge from the mound to cross gradient well Unitex 91090.

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 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. No indication of recycled water arrival has yet to be observed 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. 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 located downgradient of 8th Street, Banana, Brooks, Ely, Hickory, Turner Basins, Victoria, and RP3 Basins. Several production wells used for monitoring near the basins show a water quality change 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 2017, 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, and 2016. These groundwater elevation maps from the Chino Basin Watermaster's *Biennial State of the Basin Reports* are presented in Appendix E. The Spring 2016 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 2016) indicates several things. First, local changes in groundwater elevation near the recharge basins due to recharge activities are present, but (apart from Hickory and Ely 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. The only significant differences in groundwater flow direction between the 2003 and 2016 maps is for the mound at 8th Street, which between 2012 and 2016 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 are evident locally by the well hydrographs at the monitoring wells (Appendix D), but are generally within the contour interval (25 feet) of the maps. Also of note, since 2008 a deeper and larger area pumping depression has developed and stabilized around the Chino Desalter (hydraulic control) well field. 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 2016 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 2016 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 2017, that seasonally fluctuate between 640 to 680 feet above mean sea level (MSL). Since 2014, 8TH-1/1 has shown increase seasonal fluctuations in water levels likely due to well production changes in this area. There is an approximate 4-month delay, but a 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. There are missing water level data for both casings at 8TH-1 due to the replacement of damaged pumps and/or pressure transducers at the well. Manual water levels supplemented the hydrographs during those times. 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 through 2017. Short duration downward spikes in the 8TH-2 hydrograph are indicative of nearby groundwater pumping activities.

Brooks Basin Area

The hydrographs for the Brooks Basin mound monitoring well (BRK-1/1) show 2- to 10- foot seasonal fluctuations in water level and were relatively stable annually between mid-2009 and mid-2013. From mid-2013 through early 2016, water levels BRK-1/1 have steadily decreased approximately 15 feet, from 622 to 607 feet MSL. This decrease is perhaps due to drought and a decrease in stormwater recharge or other nearby groundwater stresses. Beginning in mid 2016, through 2017, BRK-1/1 water levels rose slightly, stabilizing at approximately 610 feet MSL.

At the deeper casing, BRK-1/2, groundwater elevations typically range between 584 and 614 feet MSL. The larger groundwater elevation fluctuations in the deeper casing (BRK-1/2) are due to a greater influence from nearby groundwater production at that depth. Recycled recharge began at Brooks Basin in August 2008 at the time when water levels were declining in this casing from their high of 612 feet MSL. Between 2009 and 2013, water levels in BRK-1/2 were generally stable fluctuating between 587 and 605 feet MSL. Like BRK-1/1, BRK-1/2 shows a decrease in water levels beginning 2013 and reaching historical lows in early 2016. Beginning in mid 2016, BRK-1/2 water levels began to rise a total of 5 feet, and through 2017 generally stabilized at approximately 590 feet MSL.

The hydrograph of the downgradient (intermediate) monitoring well BRK-2 shows a similarly stable trend as BRK-1/2 from 2009 to 2013, followed by decreases through 2015, small increases in 2016, then generally stable in 2017. BRK-2 casings have slightly larger seasonal fluctuations and pumping influences.

Banana & Hickory Basins Area

The hydrograph for the Banana and Hickory Basins mound monitoring well (BH-1) shows seasonal water level fluctuations between 680 and 690 feet MSL and generally stable through the 10 years of data shown. From 2008 through 2017, the BH-1/2 hydrograph shows relatively stable water levels with 5 to 10-foot season fluctuations. 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 +/-20 feet in response to recharge. In January 2015, the water level transducer malfunctioned and several months of water level data were lost. From the end of 2015 through 2016 water levels were relatively stable with approximately 5-foot seasonal

fluctuations. In 2017, two months of intense recharge coincided with an approximately 15-foot seasonal increased water level.

Turner Basin Area

The hydrographs for the two Turner Basin monitoring wells, TRN-1/2 and TRN-2/2, show long term increased in water levels. For these two sites, between 2008 and 2017 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. Since 2010, hydrographs have shown about a 2 to 3-foot per year increase in groundwater elevation. Peak water levels are delayed about 1 to 2 months from peaks in 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. Prior to 2009, the water elevation varied by no more than 2 to 3 feet with recharge activity. However, after initiation in June 2009 of using Jurupa Basin for pumping water to RP3 cell 1 (both recycled water and winter stormwater), delivery/recharge volumes increased. For 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 off line for maintenance. In 2013, water levels rebounded 5 to 10 feet upwards with renewed recharge at the RP3 site. 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 increasing 10 to 20 feet to a high in 2017 of nearly 40 feet higher than pre-2009 elevations.

Declez Basin Area

The long-term water level trend at this site is has been stable between 2008 and 2017 fluctuating between 698 and 722 feet MSL. The data generally shows 10 to 15 feet seasonal variations, with the water level responding within days of stormwater recharge. Recycled water recharge occurred in Declez basin for its start-up period of December 2015 through September 2016 and appear to provide about a 5-foot increase in the season water level high. Recycled water delivery has stopped in September 2016 and will resume to Declez Basin upon completion of a downgradient monitoring well in spring 2018.

San Sevaine & Victoria 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 has been modified for the 2017 Annual Report to include recharge for both San Sevaine 5 and the combined San Sevaine 1, 2, and 3. 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, but began recovering steeply in July 2011 approximately 2 months after the initiation of imported water recharge in San Sevaine 1 and 2 in May 2011. The initial water level rise in May is likely related to the earlier San Sevaine 5 recharge in December 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 is predicted to continue 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 will resume in 2018 following completion of a pipeline to San Sevaine 1, 2, and 3.

The hydrograph for the Victoria Basin mound monitoring well (VCT-1/1) shows seasonal and longer-term water level fluctuations within a 20-foot range. The mound area water levels rose 15 feet from 2010 to 2011, then fell and rose 5 feet in 2012. In 2013, the mound area water levels fell approximately 10 feet. There appears to be about an 11-month delay between recharge and water table changes beneath the Victoria Basin, yet more observations are needed to confirm this delay. In late 2014, water levels rose sharply approximately 15 feet due to relatively higher volume recharge of recycled water in early 2014, and remained relatively stable until the December 2015. In 2016, there was a 20-foot drop in water level most likely due to the basin being off line for maintenance. Water levels recovered 30 feet through the first half of 2017.

The hydrograph for the Victoria Basin downgradient (intermediate) monitoring well (VCT-2/2) shows 8-year record of relative stability within the elevations 750 to 765 feet MSL. Seasonally, the hydrograph shows 5- to 8-foot water level fluctuations in 2010 through 2018. This well was installed in spring 2010. The existing water level data set does not yet correlate definitively with recharge activities at the San Sevaine and Victoria Basins. 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 for 2014 and early 2015 were not available due to Caltrans construction activities at the well's site which resulted in the ground and the well casing being lowered. Data collection was resumed in November 2015, and show water levels a few feet lower than the previous year. The transducer failed in mid 2016 and was replaced.

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- Wildermuth Environmental, 1999, Optimum Basin Management Program, Draft Phase I Report.

TABLES

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

| Month | RP-1 (Flow) | | RP-1 (Tertiary) | | RP-4 | | |
|---------------|-----------------|---------------------|------------------|---------------------|-----------------|------------------|---------------------|
| | Ferric Chloride | Sodium Hypochlorite | Aluminum Sulfate | Sodium Hypochlorite | Ferric Chloride | Aluminum Sulfate | Sodium Hypochlorite |
| | Gal. | Gal. | lbs. | Gal. | Gal. | Gal. | Gal. |
| <i>Jan-17</i> | 26,450 | 2,941 | 3,150 | 102,200 | 5,861 | 1,295 | 23,565 |
| <i>Feb-17</i> | 24,900 | 0 | 4,600 | 89,200 | 4,021 | 919 | 20,388 |
| <i>Mar-17</i> | 27,700 | 0 | 3,900 | 98,400 | 4,353 | 1,012 | 26,377 |
| <i>Apr-17</i> | 27,300 | 0 | 5,900 | 121,100 | 3,870 | 745 | 29,366 |
| <i>May-17</i> | 27,200 | 802 | 3,650 | 108,500 | 3,973 | 830 | 29,756 |
| <i>Jun-17</i> | 26,050 | 0 | 4,000 | 109,400 | 3,672 | 589 | 30,210 |
| <i>Jul-17</i> | 28,200 | 0 | 4,600 | 126,000 | 5,189 | 796 | 29,464 |
| <i>Aug-17</i> | 27,800 | 0 | 4,600 | 118,200 | 8,711 | 1,005 | 35,304 |
| <i>Sep-17</i> | 25,900 | 0 | 5,500 | 89,000 | 7,465 | 1,094 | 28,704 |
| <i>Oct-17</i> | 27,800 | 0 | 5,700 | 86,600 | 7,427 | 1,364 | 23,950 |
| <i>Nov-17</i> | 27,800 | 0 | 5,200 | 95,700 | 7,363 | 1,222 | 22,153 |
| <i>Dec-17</i> | 27,400 | 0 | 5,400 | 102,400 | 7,438 | 1,488 | 23,493 |
| Total | 324,500 | 3,743 | 56,200 | 1,246,700 | 69,343 | 12,359 | 322,730 |

**Table 3-1
Evidence of Recycled Water Blending Based on Water Quality at
Monitoring Wells in 2017 Based on EC and Chloride**

| Basin | Well | Well Position | Recycled Water EC (µmhos/cm) | Groundwater Background EC (µmhos/cm) | Peak EC at Well (µmhos/cm) | Mass-Balance Blend (max) (% Recycled Water) | 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 | Mound | 732 | 200 | 539 | 64% | 110 | 9 | 70 | 60% | |
| | 8TH-1/2 | Mound | 732 | 255 | 421 | 35% | 110 | 13 | 50 | 38% | |
| | 8TH-2/1 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | 8TH-2/2 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| Banana & Hickory | BH-1/2 | Mound | 732 | 360 | 775 | 100% | 110 | 10 | 100 | 90% | |
| | California Speedway Infield | Downgradient | 732 | 420 | 631 | 68% | 110 | 10 | 38 | 28% | |
| | California Speedway No. 2 | Downgradient | 732 | 365 | 457 | 25% | 110 | 10 | 20 | 10% | |
| | Reliant East Well | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | Fontana Water Co. 37A | Upgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | Ontario No. 20 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| Brooks | BRK-1/1 | Mound | 732 | 367 | 751 | 100% | 110 | 11 | 96 | 86% | |
| | BRK-1/2 | Mound | 732 | 535 | 652 | 59% | 110 | 16 | 26 | 11% | |
| | BRK-2/1 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | BRK-2/2 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| Ely | Philadelphia Well | Mound | 732 | 245 | 677 | 85% | 110 | 34 | 85 | 67% | |
| | Walnut Well | Downgradient | Well impacted by regionally high TDS concentration | | | | Well impacted by regionally high TDS concentration | | | | |
| | Riverside Well | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| Turner | TRN-1/2 | Mound | 732 | 390 | 789 | 100% | 110 | 21 | 91 | 79% | |
| | TRN-2/2 | Downgradient | 732 | 350 | 501 | 40% | 110 | 9 | 65 | 55% | |
| | Ontario No. 25 | Downgradient | 732 | 420 | 441 | 7% | 110 | 14 | 22 | 8% | |
| | Ontario No. 29 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| RP-3 | RP3-1/1 | Mound | 732 | 475 | 838 | 100% | 110 | 20 | 107 | 97% | |
| | RP3-1/2 | Mound | 732 | 465 | 769 | 100% | 110 | 41 | 62 | 30% | |
| | Alcoa MW3 | Downgradient | 732 | 590 | 1163 | 100% | 110 | 23 | 137 | 100% | |
| | Alcoa MW1 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | IEUA Southridge JHS | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| San Seavaine & Victoria | SS1-1/1 | Mound | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | Unitex 91090 | Cross gradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | VCT-1/1 | Mound | 732 | 330 | 704 | 93% | 110 | 38 | 107 | 96% | |
| | VCT-2/2 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |
| | CVWD No. 39 | Downgradient | Inconclusive evidence of recycled water | | | | Inconclusive evidence of recycled water | | | | |

Table 3-2
Volume-Based RWC Actuals by Basin

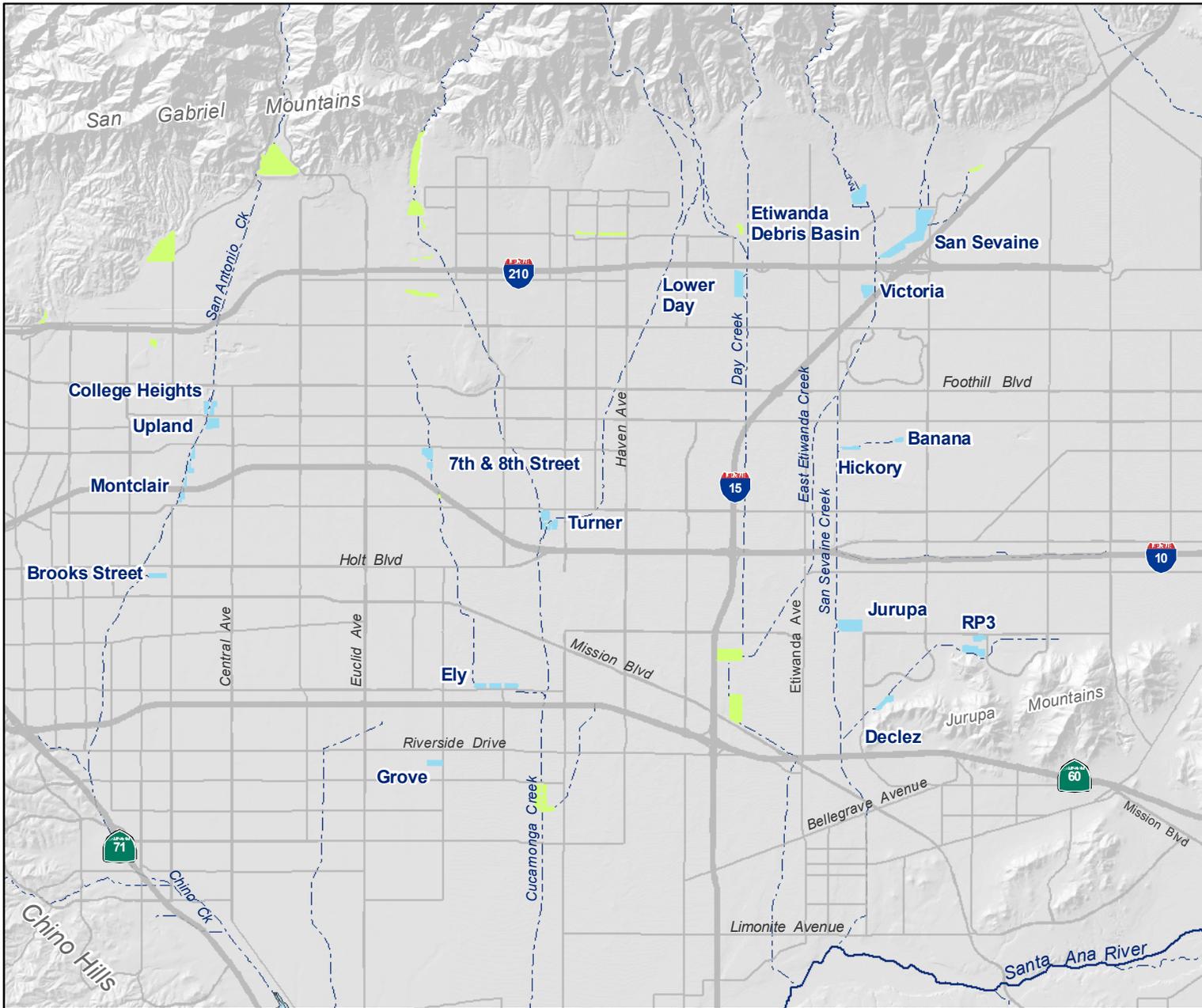
| Basin | Owner | RW Start Up | Limit | 2008* | 2009** | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---------------|--------|-------------|-------|-------|--------|------|------|------|------|------|------|------|------|
| 8th Street | SBCFCD | 2007-10 | 28% | 28% | 23% | 23% | 21% | 21% | 24% | 22% | 21% | 23% | 22% |
| Banana | SBCFCD | 2005 | 36% | 29% | 30% | 29% | 32% | 34% | 34% | 34% | 37% | 36% | 36% |
| Brooks | CBWCD | 2008-09 | 42% | 8% | 30% | 22% | 18% | 16% | 18% | 18% | 17% | 18% | 18% |
| Decléz | SBCFCD | TBD | TBD | 0% | 0% | 0% | 0% | 1% | 1% | 1% | 1% | 10% | 7% |
| Ely | CBWCD | 2006 | 29% | 17% | 15% | 12% | 11% | 11% | 19% | 21% | 22% | 22% | 22% |
| Hickory | SBCFCD | 2005 | 36% | 29% | 29% | 25% | 22% | 22% | 23% | 26% | 27% | 24% | 22% |
| RP3 | IEUA | 2009-10 | 50% | 0% | 17% | 14% | 12% | 12% | 14% | 13% | 14% | 17% | 17% |
| San Sevaine 5 | SBCFCD | 2010-11 | 27% | 0% | 0% | 1% | 3% | 4% | 5% | 5% | 6% | 8% | 7% |
| Turner 1&2 | SBCFCD | 2006-07 | 24% | 12% | 10% | 8% | 7% | 6% | 7% | 11% | 15% | 19% | 22% |
| Turner 3&4 | SBCFCD | 2006-07 | 45% | 20% | 19% | 19% | 21% | 22% | 23% | 25% | 28% | 24% | 23% |
| Victoria | SBCFCD | 2010-11 | 50% | 0% | 0% | 13% | 19% | 24% | 23% | 28% | 30% | 29% | 30% |

* 2008 RWC Actuals are based on 60-months running average and exclusion of groundwater underflow as diluent water.

** 2009 RWC Actuals include groundwater underflow as a diluent source only after the October 2009 recharge permit amendment and upon initiation of recycled water recharge.

TBD To Be Determined. Decléz basin has not been initiated with recycled water recharge, but received recycled water drained from RP3 basins prior to basin restoration activities.

FIGURES



- ### Main Map Features
- Recharge Basins in the Recycled Water Groundwater Recharge Program
 - Non-Program Basins
 - Rivers and Streams



Chino Basin Recycled Water Groundwater Recharge Program
Basin Locations

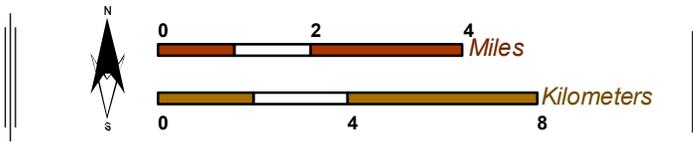
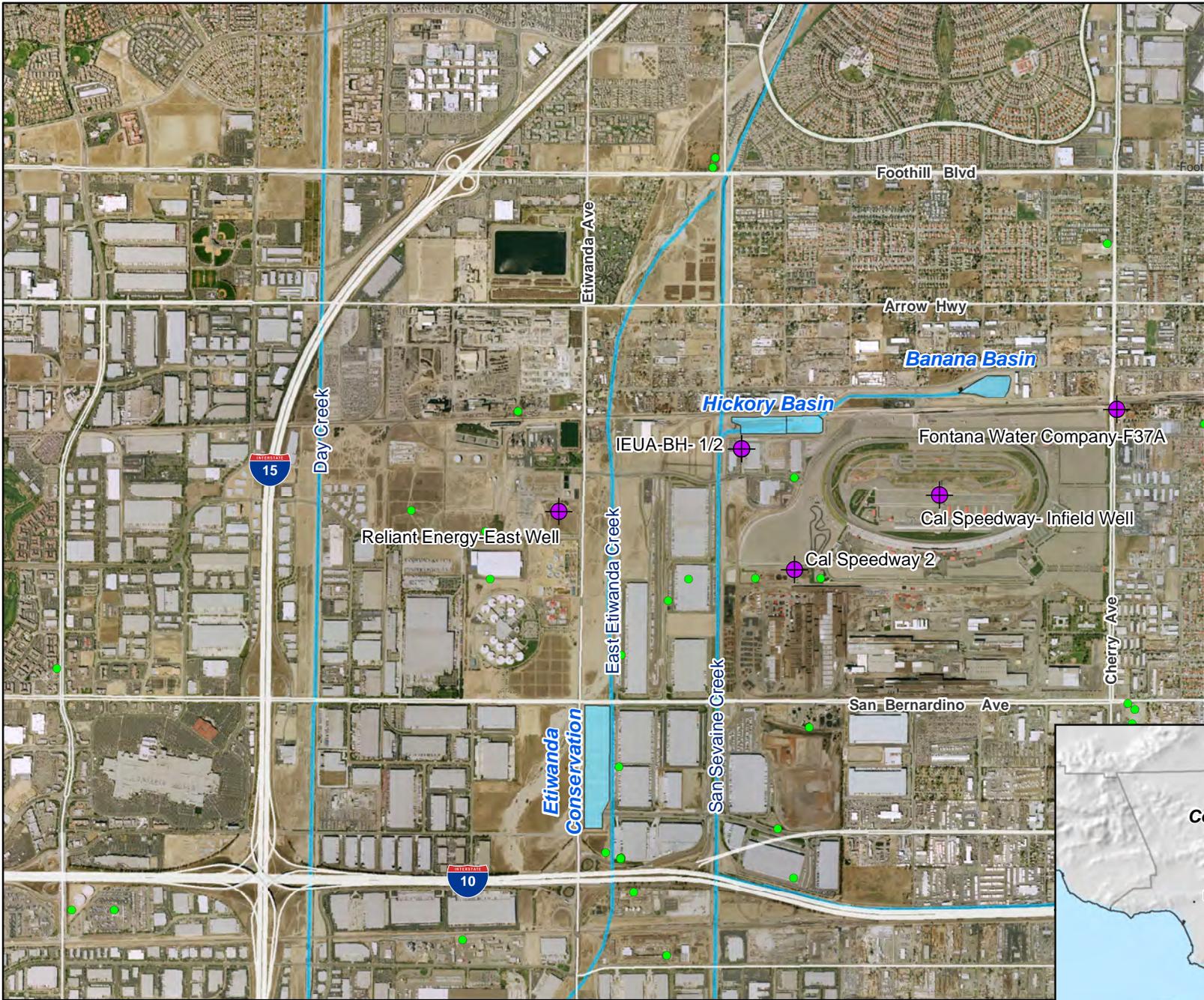


Figure 1-1



Main Map Features

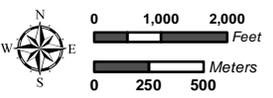
-  Existing Monitoring Well
-  "Other Wells"
-  Rivers/Streams/Creeks
-  Recharge Basins

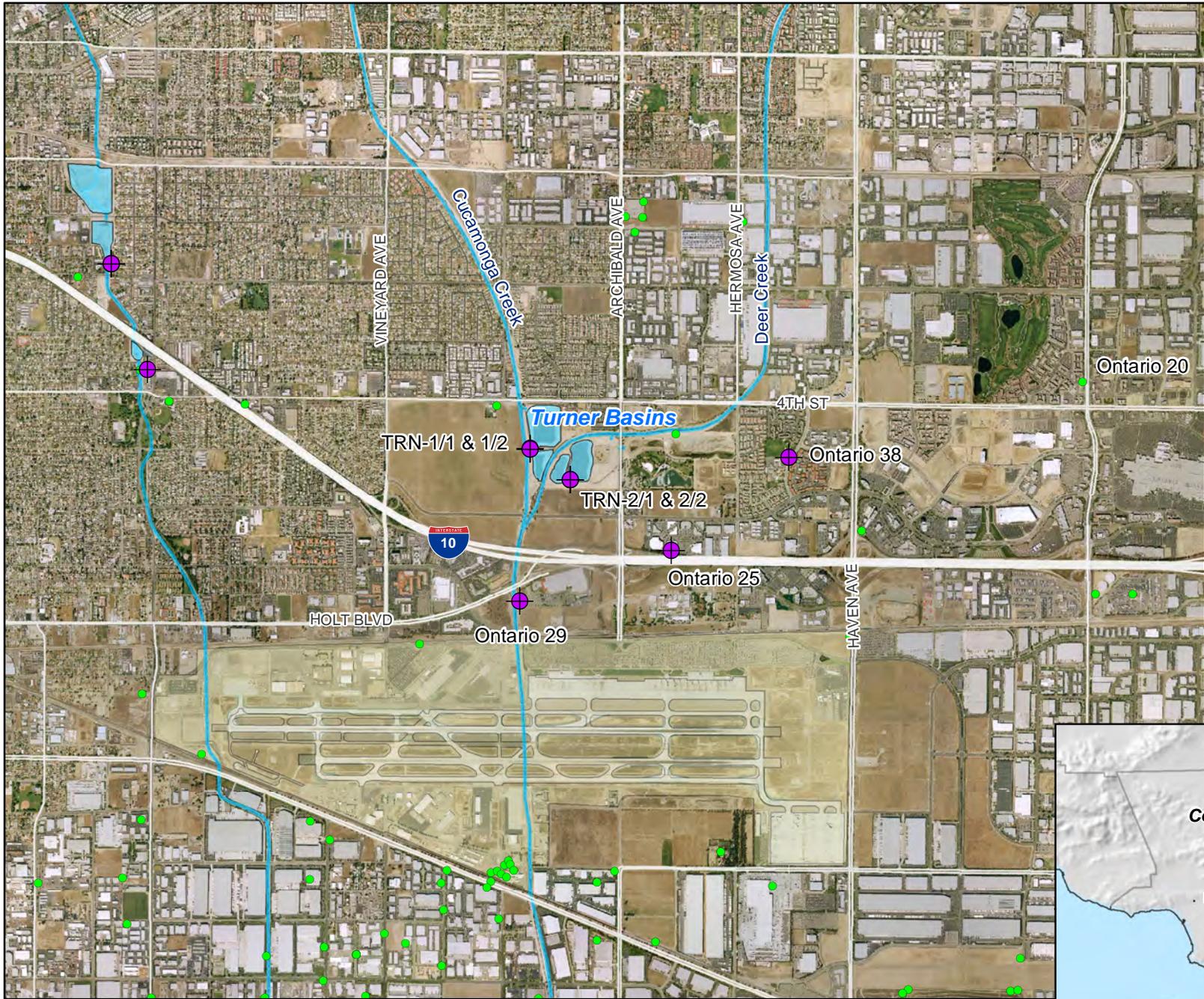


Monitoring Well Network
Hickory and Banana Basins

Figure 2-1

Recycled Water Recharge Program





Main Map Features

-  Existing Monitoring Well
-  "Other Wells"
-  Rivers/Streams/Creeks
-  Recharge Basins

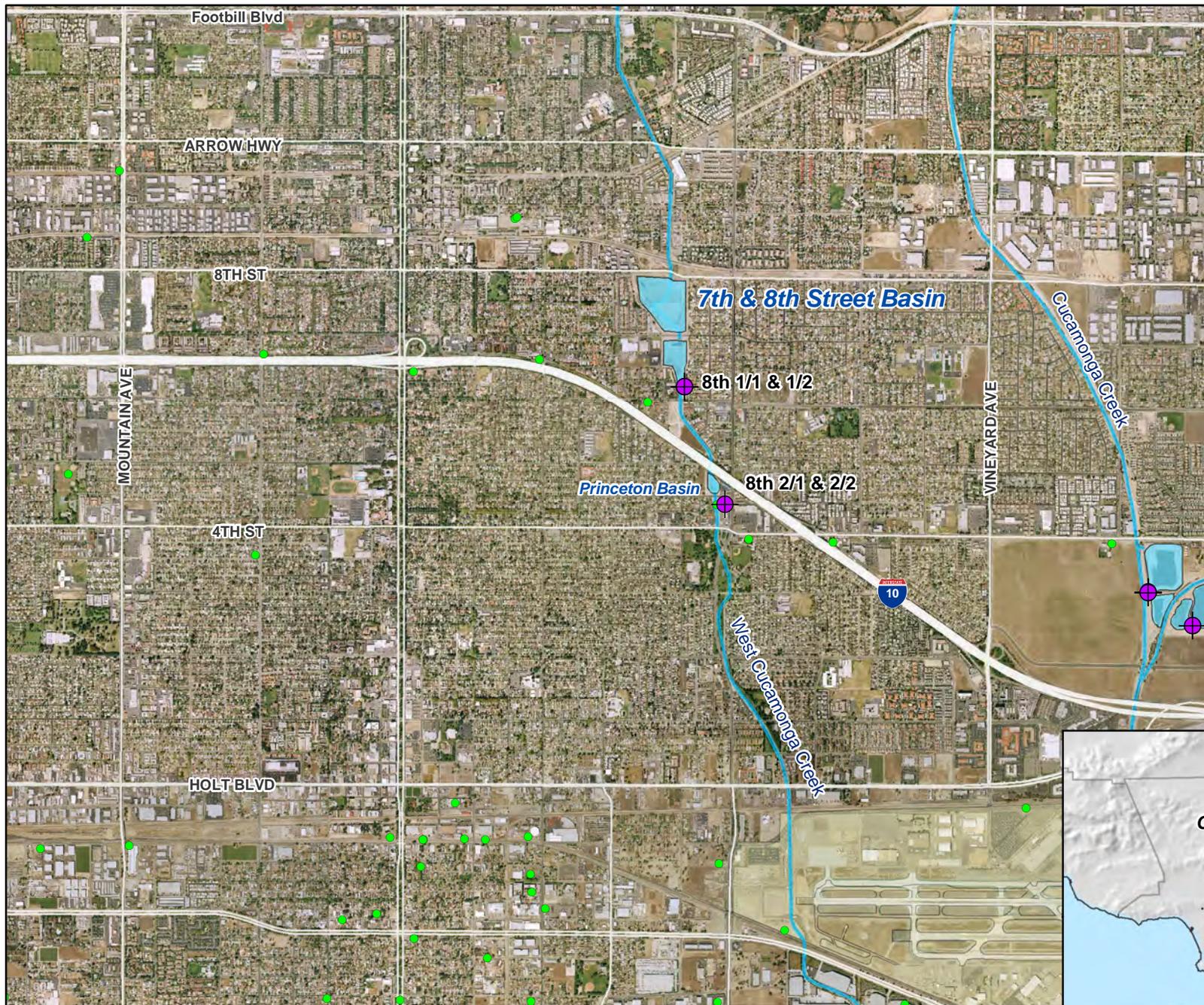


Monitoring Well Network
Turner Basins

Figure 2-2

Recycled Water Recharge Program





Main Map Features

-  Existing Monitoring Well
-  "Other Wells"
-  Rivers/Streams/Creeks
-  Recharge Basins

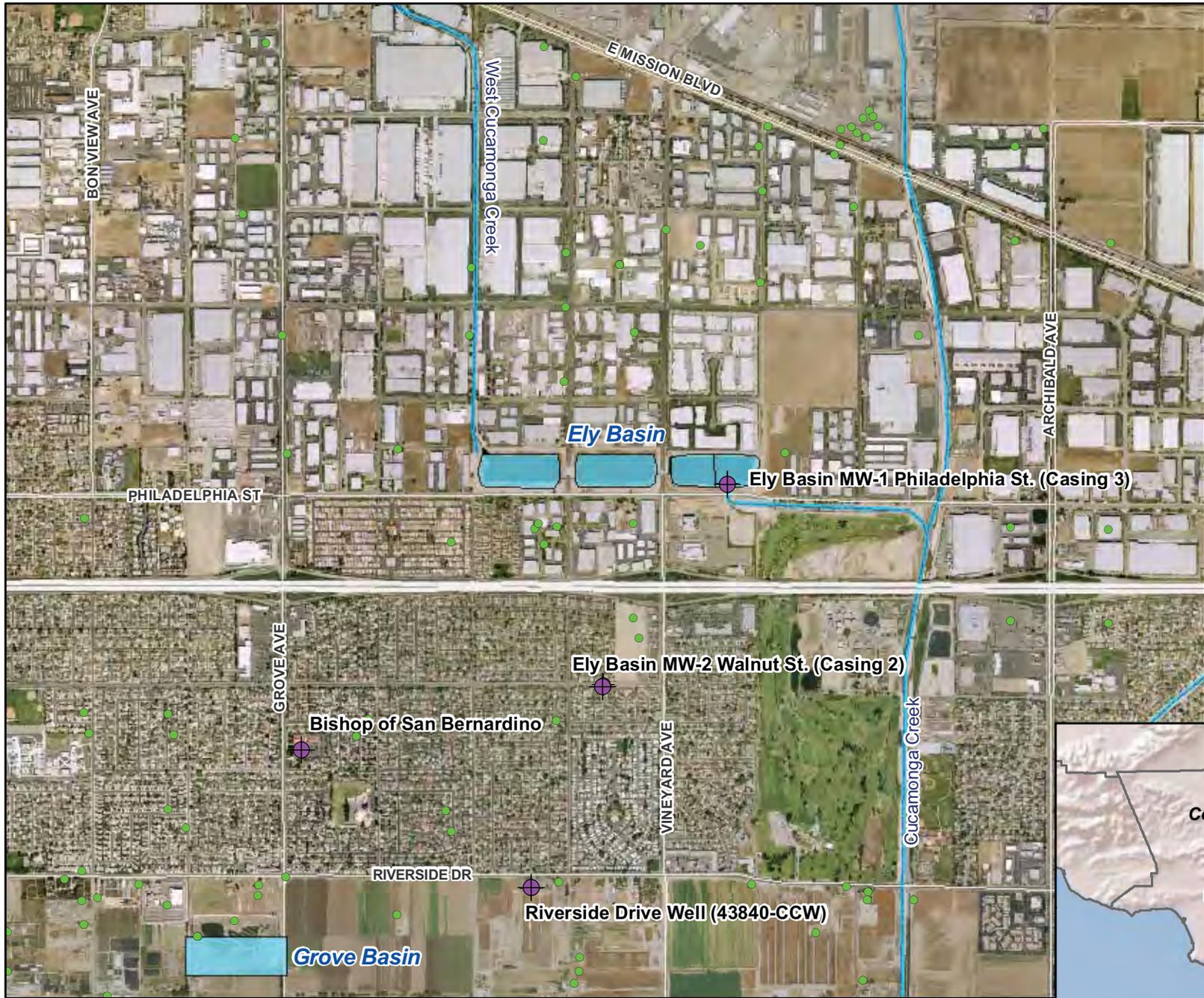


Monitoring Well Network
7th and 8th Street Basin

Figure 2-3

Recycled Water Recharge Program





Main Map Features

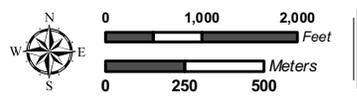
-  Existing Monitoring Well
-  "Other Wells"
-  Rivers/Streams/Creeks
-  Recharge Basins

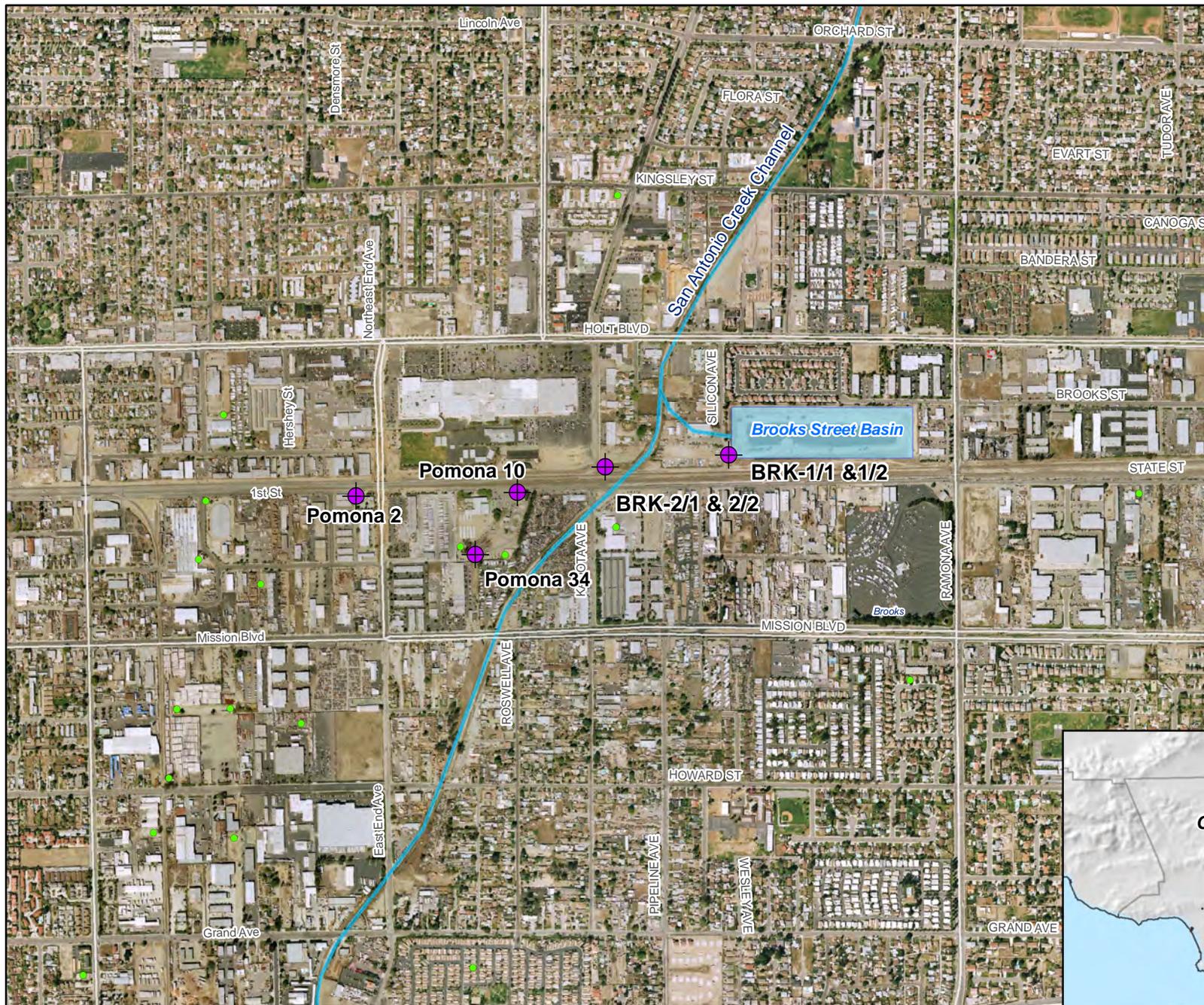


Monitoring Well Network
Ely Basins

Figure 2-4

Recycled Water Recharge Program





Main Map Features

-  Existing Monitoring Well
-  "Other" Wells
-  Rivers/Streams/Creeks
-  Recharge Basins



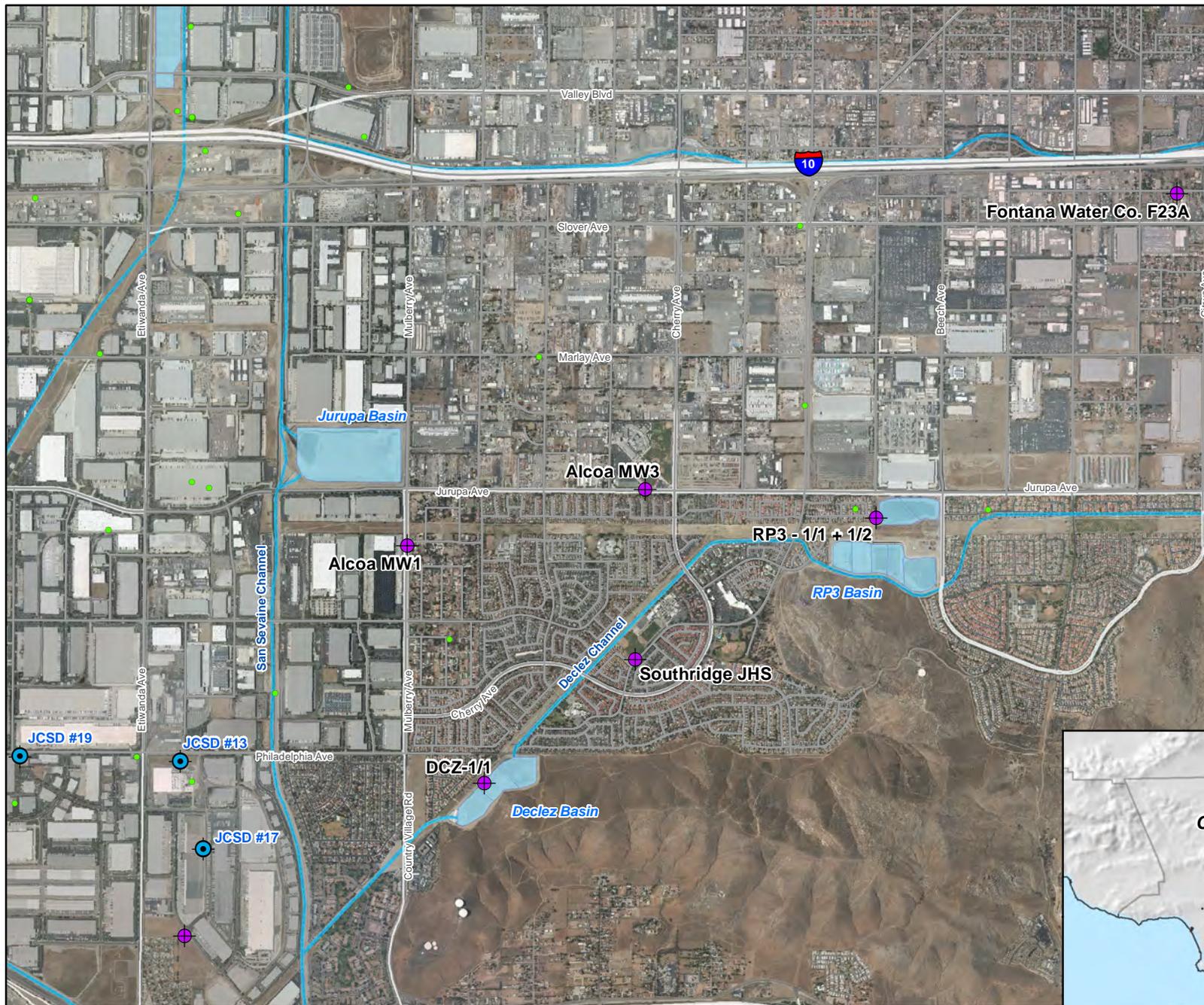
Monitoring Well Network

Brooks Street Basin

Figure 2-5

Recycled Water Recharge Program





Main Map Features

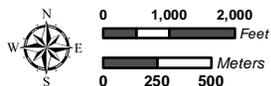
-  JCSD Wells
-  "Other Wells"
-  Existing Monitoring Well
-  Rivers/Streams/Creeks
-  Recharge Basins

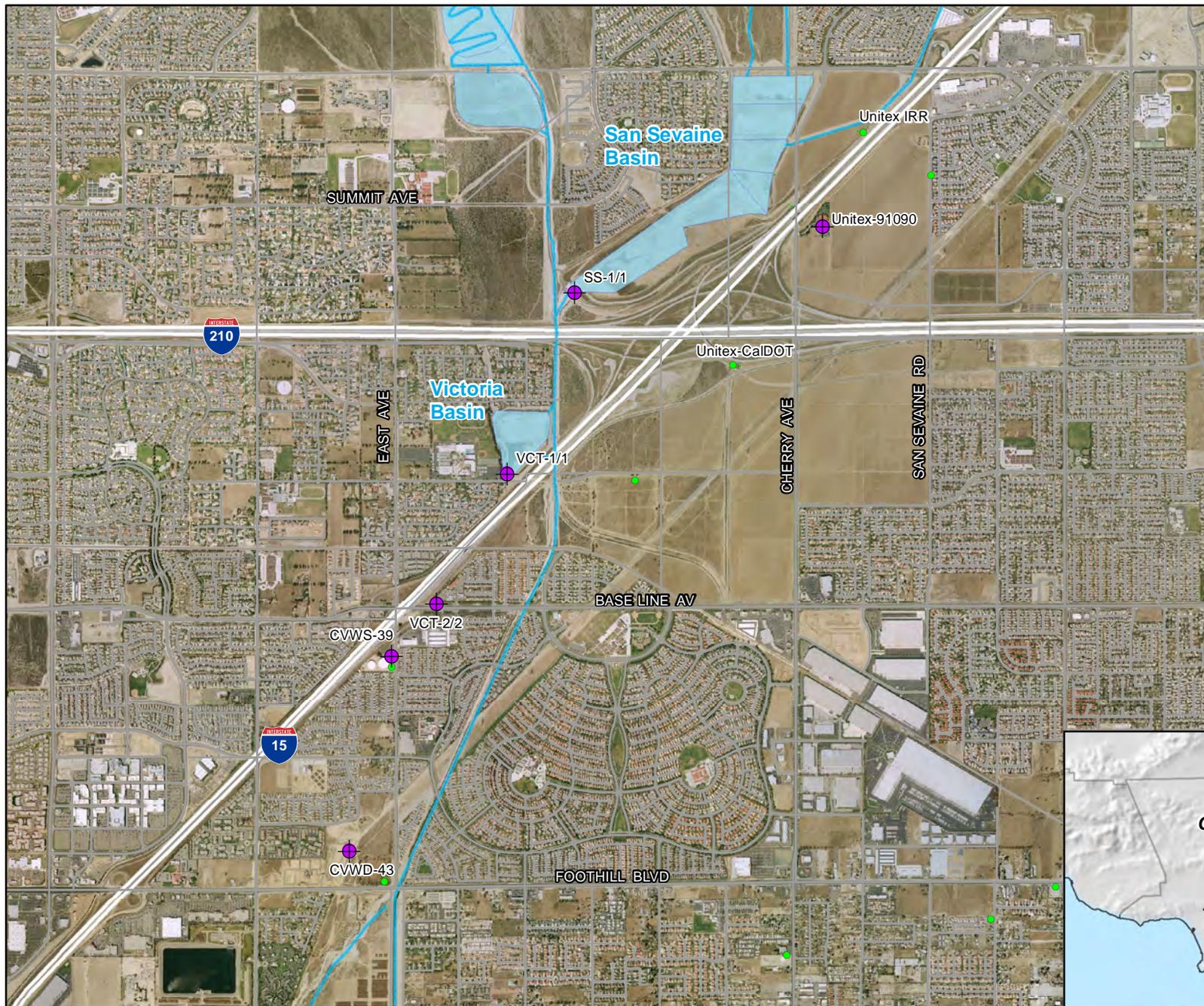


Monitoring Well Network
Declez and RP3 Basins

Figure 2-6

Recycled Water Recharge Program





Main Map Features

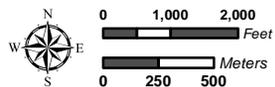
- "Other Wells"
- ⊕ Existing Monitoring Well
- Rivers/Streams/Creeks
- Recharge Basins



Monitoring Well Network
San Sevaime and Victoria Basin

Figure 2-7

Recycled Water Recharge Program



APPENDIX A

MONTHLY GROUNDWATER RECHARGE SUMMARIES

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|------------|------------|------------------------------|--|
| January 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management | |
| Basin | SW/LR | IW | RW | Zone Subtotals | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | 57 | - | N | MZ-1 1,407 AF** | |
| Upland | 373 | - | N | | |
| Montclair 1, 2, 3 & 4 | 400 | 125.8 | N | | |
| Brooks | 254 | - | - | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 203 | - | - | MZ-2 2,343 | |
| 7th Street | 120 | - | - | | |
| Ely 1, 2, & 3 | 317 | - | - | | |
| Minor Drainage | | | | | |
| Grove | 121 | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 233 | - | - | | |
| Turner 3 & 4 | 298 | - | - | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | 268 | - | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | 272 | - | X | | |
| Victoria | 327 | - | - | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | |
| San Sevaine 1, 2, 3, & 4 | 264 | - | - | | |
| San Sevaine 5 | 224 | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | 19 | - | - | MZ-3 1,393 AF** | |
| Banana | 50 | - | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | 157 | - | - | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1, 3, & 4 | 431 | - | 431 | | |
| RP3 Cell 2 | 157 | - | - | | |
| Declez | 167 | - | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Montclair (SAWCo) | - | (125.8) | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Month Total = 5,143 AF | 4,712 | 0.0 | 431 | January 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2016 = 21,067 AF | 9,291 | 4,260.2 | 7,516 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 5,143 AF | 4,712 | 0.0 | 431 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|------------|------------|------------------------------|--|
| February 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management | |
| Basin | SW/LR | IW | RW | Zone Subtotals | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | 5 | - | N | MZ-1 555 AF** | |
| Upland | 80 | - | N | | |
| Montclair 1, 2, 3 & 4 | 194 | 136.7 | N | | |
| Brooks | 142 | - | - | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 79 | - | 34 | MZ-2 1,114 AF** | |
| 7th Street | 21 | - | - | | |
| Ely 1, 2, & 3 | 338 | - | - | | |
| Minor Drainage | | | | | |
| Grove | 73 | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 130 | - | 66 | | |
| Turner 3 & 4 | 171 | - | 8 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | 75 | - | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | 38 | - | X | | |
| Victoria | 65 | - | 53 | | |
| San Sevaine Channel Drainage System | | | | | |
| San Sevaine 1, 2, 3, & 4 | 67 | - | - | | |
| San Sevaine 5 | 26 | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | 4 | - | - | | |
| Banana | 18 | - | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | 15 | - | - | MZ-3 719 AF** | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1, 3, & 4 | 171 | - | 381 | | |
| RP3 Cell 2 | 64 | - | - | | |
| Declez | 70 | - | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Montclair (SAWCo) | - | (136.7) | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Month Total = 2,388 AF | 1,846 | 0.0 | 542 | February 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2016 = 23,455 AF | 11,137 | 4,260.2 | 8,058 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 7,531 AF | 6,558 | 0.0 | 973 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|----------------|--------------|----------------------------------|--|
| March 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management Zone Subtotals | |
| Basin | SW/LR | IW | RW | | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | - | - | N | MZ-1 205 AF** | |
| Upland | - | - | N | | |
| Montclair 1, 2, 3 & 4 | 12 | 497.9 | N | | |
| Brooks | 1 | - | 16 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 22 | - | 153 | MZ-2 738 AF** | |
| 7th Street | - | - | 23 | | |
| Ely 1, 2, & 3 | 16 | - | 123 | | |
| Minor Drainage | | | | | |
| Grove | 4 | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 14 | - | 139 | | |
| Turner 3 & 4 | 34 | - | 165 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | 1 | - | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | 2 | - | X | | |
| Victoria | 18 | - | 219 | | |
| San Sevaine Channel Drainage System | | | | | |
| San Sevaine 1, 2, 3, & 4 | 3 | - | - | | |
| San Sevaine 5 | - | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | - | - | - | | |
| Banana | - | - | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | - | - | - | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1, 3, & 4 | 6 | - | 703 | MZ-3 791 AF** | |
| RP3 Cell 2 | 5 | - | 57 | | |
| Declez | 20 | - | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Montclair (SAWCo) | - | (497.9) | | | |
| MZ1: Montclair (MVWD) | (8) | - | | | |
| MZ1: Brooks (MVWD) | (1) | - | | | |
| MZ1: 8th St. (Upland) | (13) | | | | |
| Month Total = 1,734 AF | 136 | 0.0 | 1,598 | March 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2016 = 25,189 AF | 11,273 | 4,260.2 | 9,656 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 9,265 AF | 6,694 | 0.0 | 2,571 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|----------------|---------------|------------------------------|--|
| April 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management | |
| Basin | SW/LR | IW | RW | Zone Subtotals | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | - | 516.0 | N | MZ-1 1,898 AF** | |
| Upland | 1 | 162.0 | N | | |
| Montclair 1, 2, 3 & 4 | 3 | 1,102.2 | N | | |
| Brooks | - | 16.0 | 8 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 57 | - | 280 | MZ-2 710 AF** | |
| 7th Street | - | - | - | | |
| Ely 1, 2, & 3 | 9 | - | 190 | | |
| Minor Drainage | | | | | |
| Grove | - | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 9 | - | 110 | | |
| Turner 3 & 4 | 23 | - | 99 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | - | - | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | - | - | X | | |
| Victoria | - | - | 317 | | |
| San Sevaine Channel Drainage System | | | | | |
| San Sevaine 1, 2, 3, & 4 | 1 | - | - | | |
| San Sevaine 5 | - | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | - | - | - | | |
| Banana | - | - | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | - | - | - | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1, 3, & 4 | 21 | - | 479 | MZ-3 540 AF** | |
| RP3 Cell 2 | 3 | - | 34 | | |
| Declez | 3 | - | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Montclair 1 (SAWCo) | | (246) | | | |
| MZ1: Montclair 1 (Upland) | (1) | | | | |
| MZ2: 8th St. Basin (Upland) | (48) | | | | |
| | | | | | |
| Month Total = 3,149 AF | 81 | 1,550.5 | 1,517 | April 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2016 = 28,338 AF | 11,354 | 5,810.7 | 11,173 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 12,414 AF | 6,775 | 1,550.5 | 4,088 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|----------------|---------------|----------------------------|--|
| May 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management | |
| Basin | SW/LR | IW | RW | Zone Subtotals | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | - | - | N | MZ-1 269 AF** | |
| Upland | 4 | - | N | | |
| Montclair 1, 2, 3 & 4 | 32 | 14.6 | N | | |
| Brooks | 1 | - | 38 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 16 | - | 184 | MZ-2 861 AF** | |
| 7th Street | - | - | - | | |
| Ely 1, 2, & 3 | 37 | - | 250 | | |
| Minor Drainage | | | | | |
| Grove | 18 | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 6 | - | 56 | | |
| Turner 3 & 4 | 16 | - | 125 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | 5 | - | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | 7 | - | X | | |
| Victoria | 13 | - | 312 | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | |
| San Sevaine 1, 2, 3, & 4 | 10 | - | - | | |
| San Sevaine 5 | 6 | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | - | 0.0 | - | | |
| Banana | - | 0.0 | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | - | - | - | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1, 3, & 4 | - | 0.0 | 653 | | |
| RP3 Cell 2 | 5 | - | 2 | | |
| Declez | 24 | 0.0 | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: SAWCo IW, Upland SW | (6) | (14.6) | | | |
| MZ2: | - | | | | |
| MZ3: | - | | | | |
| | | | | | |
| Month Total = 1,814 AF | 194 | 0.0 | 1,620 | May 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2016 = 30,152 AF | 11,548 | 5,810.7 | 12,793 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 14,228 AF | 6,969 | 1,550.5 | 5,708 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|-----------------|---------------|----------------------------------|--|
| June 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management Zone Subtotals | |
| Basin | SW/LR | IW | RW | | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | - | 1,033.3 | N | MZ-1 4,549 AF** | |
| Upland | 2 | 1,462.7 | N | | |
| Montclair 1, 2, 3 & 4 | 9 | 1,801.9 | N | | |
| Brooks | - | 2.0 | 30 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 19 | - | 178 | MZ-2 1,952 AF** | |
| 7th Street | - | 18.2 | 20 | | |
| Ely 1, 2, & 3 | - | - | 149 | | |
| Minor Drainage | | | | | |
| Grove | - | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 3 | - | 90 | | |
| Turner 3 & 4 | 8 | 273.7 | 10 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | - | 289.0 | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | - | 281.3 | X | | |
| Victoria | - | 121.0 | 201 | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | |
| San Sevaine 1, 2, 3, & 4 | - | 526.1 | - | | |
| San Sevaine 5 | - | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | - | - | - | | |
| Banana | - | - | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | - | 24.5 | - | MZ-3 985 AF** | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1, 3, & 4 | 4 | 386.0 | 437 | | |
| RP3 Cell 2 | 5 | - | 26 | | |
| Declez | 3 | 99.0 | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Upland SW, MVWD SW | (27) | - | | | |
| MZ2: | - | | | | |
| MZ3: | - | | | | |
| | | | | | |
| Month Total = 7,486 AF | 26 | 6,318.7 | 1,141 | June 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2016 = 37,638 AF | 11,574 | 12,129.4 | 13,934 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 21,713 AF | 6,995 | 7,869.2 | 6,849 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|-----------------|--------------|------------------------------|--|
| July 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management | |
| Basin | SW/LR | IW | RW | Zone Subtotals | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | - | 1,997.4 | N | MZ-1 4,957 AF** | |
| Upland | 2 | 414.5 | N | | |
| Montclair 1, 2, 3 & 4 | 7 | 2,218.7 | N | | |
| Brooks | - | 93.6 | 228 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | - | - | - | MZ-2 2,864 AF** | |
| 7th Street | 105 | - | 1 | | |
| Ely 1, 2, & 3 | 37 | - | 34 | | |
| Minor Drainage | | | | | |
| Grove | - | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 3 | - | 156 | | |
| Turner 3 & 4 | 10 | 219.9 | - | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | - | 657.1 | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | - | 110.0 | X | | |
| Victoria | - | 235.4 | 140 | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | |
| San Sevaine 1, 2, 3, & 4 | - | 566.8 | - | | |
| San Sevaine 5 | - | - | - | | |
| West Fontana Channel System | | | | | |
| Hickory | - | 527.2 | 168 | MZ-3 544 AF** | |
| Banana | - | - | - | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | 2 | 14.6 | - | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1,3, & 4 | 5 | 231.7 | 225 | | |
| RP3 Cell 2 | - | 14.0 | - | | |
| Declez | 7 | 45.0 | - | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Upland (Upland, Mont, & 8 th /7 th) | (103) | | | | |
| MZ1: MVWD (Montclair & Brooks) | (7) | | | | |
| MZ2: None | 0 | | | | |
| MZ3: None | 0 | | | | |
| Month Total = 8,366 AF | 68 | 7,345.9 | 952 | July 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2017 = 8,366 AF | 68 | 7,345.9 | 952 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 30,079 AF | 7,063 | 15,215.1 | 7,801 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|-----------|-----------|-------------------------|--|
| August 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management | |
| Basin | SW/LR | IW | RW | Zone Subtotals | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | 0 | 2,300.6 | N | MZ-1 5,451.2 AF** | |
| Upland | 3 | 365.1 | N | | |
| Montclair 1, 2, 3 & 4 | 4 | 1,852.2 | N | | |
| Brooks | 0 | 95.6 | 55 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 20 | 538.3 | 178 | MZ-2 2,021.7 AF** | |
| 7th Street | 0 | 45.4 | 18 | | |
| Ely 1, 2, & 3 | 126 | 0.0 | 27 | | |
| Minor Drainage | | | | | |
| Grove | 12 | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 3 | 0.0 | 43 | | |
| Turner 3 & 4 | 21 | 79.1 | 13 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | 4 | 497.3 | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | 9 | 319.0 | X | | |
| Victoria | 4 | 20.3 | 239 | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | |
| San Sevaine 1, 2, 3, & 4 | 44 | 116.6 | 0 | | |
| San Sevaine 5 | 4 | 0.0 | 0 | | |
| West Fontana Channel System | | | | | |
| Hickory | 0 | 420.4 | 20 | MZ-3 844.2 AF** | |
| Banana | 2 | 0.0 | 131 | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | 0 | 0.0 | 0 | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1,3, & 4 | 13 | 371.2 | 176 | | |
| RP3 Cell 2 | 2 | 47.0 | 32 | | |
| Declez | 70 | 0.0 | 0 | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Upland (Upland, Mont, & 8 th /7 th) | (21) | | | | |
| MZ1: MVWD (Montclair) | (3) | | | | |
| MZ2: None | 0 | | | | |
| MZ3: None | 0 | | | | |
| Month Total = 8,317 AF | 317 | 7,068.1 | 932 | August 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2017 = 16,683 AF | 385 | 14,414.0 | 1,884 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 38,396 AF | 7,380 | 22,283.2 | 8,733 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

| SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS | | | | | |
|--|------------------------------|-----------|-----------|----------------------------------|--|
| September 2017 | | | | | |
| Drainage System | Recharge Volume (AF)* | | | Management Zone Subtotals | |
| Basin | SW/LR | IW | RW | | |
| San Antonio Channel Drainage System | | | | | |
| College Heights | 0 | 636.0 | N | MZ-1 2,872.9 AF** | |
| Upland | 2 | 242.5 | N | | |
| Montclair 1, 2, 3 & 4 | 1 | 1,402.4 | N | | |
| Brooks | 1 | 3.0 | 169 | | |
| West Cucamonga Channel Drainage System | | | | | |
| 8th Street | 3 | 224.2 | 101 | MZ-2 1,519.8 AF** | |
| 7th Street | 0 | 62.8 | 30 | | |
| Ely 1, 2, & 3 | 0 | 0.0 | 216 | | |
| Minor Drainage | | | | | |
| Grove | 0 | 0.0 | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | |
| Turner 1 & 2 | 2 | 0.0 | 70 | | |
| Turner 3 & 4 | 16 | 0.0 | 51 | | |
| Day Creek Channel Drainage System | | | | | |
| Lower Day | 0 | 201.3 | X | | |
| Etiwanda Channel Drainage System | | | | | |
| Etiwanda Debris | 0 | 123.9 | X | | |
| Victoria | 0 | 129.8 | 167 | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | |
| San Sevaine 1, 2, 3, & 4 | 0 | 150.8 | 0 | | |
| San Sevaine 5 | 0 | 0.0 | 0 | | |
| West Fontana Channel System | | | | | |
| Hickory | 10 | 263.0 | 119 | | |
| Banana | 2 | 133.6 | 161 | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | |
| Jurupa | 0 | 0.0 | 0 | | |
| Declez Channel Drainage System | | | | | |
| RP3 Cells 1,3, & 4 | 15 | 191.5 | 214 | MZ-3 761.1 AF** | |
| RP3 Cell 2 | 0 | 9.0 | 9 | | |
| Declez | 6 | 20.0 | 0 | | |
| Non-Replenishment Recharge** | | | | | |
| MZ1: Upland (Upland, Mont, & 8 th /7 th) | (4) | | | | |
| MZ1: MVWD (Montclair) | (1) | | | | |
| MZ2: None | 0 | | | | |
| MZ3: None | 0 | | | | |
| Month Total = 5,154 AF | 53 | 3,793.8 | 1,307 | September 2017 | |
| Fiscal Year to Date Total | | | | Fiscal Year to Date | |
| Since July 1, 2017 = 21,837 AF | 438 | 18,207.8 | 3,191 | | |
| Calendar Year to Date Total | | | | Calendar Year to Date | |
| Since Jan. 1, 2017 = 43,550 AF | 7,433 | 26,077.0 | 10,040 | | |
| SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Turnouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Subtotals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped to waste discharges and water recharged for storage agreements. | | | | | |

SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - October 2017

| Drainage System | SW/LR | Imported | | Recycled Water | | Management Zone Subtotals | |
|---|--------------|-----------------|-------------|-----------------------|-------------|----------------------------------|--------------|
| Basin | Delivered | Delivered | Evaporation | Delivered | Evaporation | | |
| San Antonio Channel Drainage System | | | | | | | |
| College Heights | 0.0 | 1,053.8 | (44.3) | N | N | MZ-1 2,942.8 AF*** | |
| Upland | 2.3 | 259.9 | (10.9) | N | N | | |
| Montclair 1, 2, 3 & 4 | 7.7 | 1,222.9 | (51.4) | N | N | | |
| Brooks | 1.2 | 0.0 | 0.0 | 103.8 | (4.4) | | |
| West Cucamonga Channel Drainage System | | | | | | | |
| 8th Street | 51.0 | 143.4 | (6.0) | 179.3 | (7.5) | MZ-2 1,909.9 AF*** | |
| 7th Street | 0.0 | 65.3 | (2.7) | 33.4 | (1.4) | | |
| Ely 1, 2, & 3 | 47.9 | 9.0 | (0.4) | 91.2 | (3.8) | | |
| Minor Drainage | | | | | | | |
| Grove | 0.0 | N | N | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | | | |
| Turner 1 & 2 | 3.1 | 0.0 | 0.0 | 244.0 | (10.2) | | |
| Turner 3 & 4 | 0.7 | 0.0 | 0.0 | 4.5 | (0.2) | | |
| Day Creek Channel Drainage System | | | | | | | |
| Lower Day | 0.0 | 332.6 | (14.0) | X | 0.0 | | |
| Etiwanda Channel Drainage System | | | | | | | |
| Etiwanda Debris | 0.0 | 183.2 | (7.7) | X | 0.0 | | |
| Victoria | 0.0 | 156.4 | (6.6) | 45.4 | (1.9) | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | | | |
| San Sevaine 1, 2, 3, & 4 | 0.0 | 524.6 | (22.0) | 0.0 | 0.0 | | |
| San Sevaine 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| West Fontana Channel System | | | | | | | |
| Hickory | 9.7 | 160.2 | (6.7) | 178.4 | (7.5) | MZ-3 891.9 AF*** | |
| Banana | 2.5 | 125.9 | (5.3) | 251.5 | (10.6) | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | | | |
| Jurupa | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Declez Channel Drainage System | | | | | | | |
| RP3 Cells 1,3, & 4 | 3.6 | 138.4 | (5.8) | 245.3 | (10.3) | | |
| RP3 Cell 2 | 0.0 | 32.1 | (1.3) | 55.8 | (2.3) | | |
| Declez | 6.2 | 69.2 | (2.9) | 0.0 | 0.0 | | |
| Non-Replenishment Recharge** | | | | | | | |
| MZ1: Upland (Upland, Montclair, & 8th) | (51.4) | | | | | | October 2017 |
| MZ1: MVWD (Brooks) | (1.2) | | | | | | |
| MZ2: None | 0.0 | | | | | | |
| MZ3: None | 0.0 | | | | | | |
| Month Total = 5,745 AF | 83.3 | 4,476.9 | (188.0) | 1,432.6 | (60.2) | | |
| All Sources | SW/LR | Imported | | Recycled Water | | | |
| Fiscal Year Delivery (with evaporation) Since July 1, 2017 = 27,581 AF | 521.3 | 22,684.7 | (188.0) | 4,623.6 | (60.2) | Fiscal Year to Date | |
| Calendar Year Delivery (with evaporation) Since Jan. 1, 2017 = 49,295 AF | 7,516.3 | 30,553.9 | (188.0) | 11,472.6 | (60.2) | Calendar Year to Date | |
| | | 4,288.9 | | 1,372.4 | | | |

SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, 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.

** : Beginning October 2017, evaporation losses are applied per Watermaster (4.2% April through October and 1.5% November through March).

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

SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - November 2017

| Drainage System | SW/LR | Imported | | Recycled Water | | Management Zone Subtotals | |
|---|--------------|-----------------|-------------|-----------------------|-------------|----------------------------------|--|
| Basin | Delivered | Delivered | Evaporation | Delivered | Evaporation | | |
| San Antonio Channel Drainage System | | | | | | | |
| College Heights | 0.0 | 732.0 | (11.0) | N | N | MZ-1 2,176.6 AF*** | |
| Upland | 0.0 | 54.5 | (0.8) | N | N | | |
| Montclair 1, 2, 3 & 4 | 3.6 | 1,164.0 | (17.5) | N | N | | |
| Brooks | 3.2 | 0.0 | 0.0 | 153.5 | (2.3) | | |
| West Cucamonga Channel Drainage System | | | | | | | |
| 8th Street | 3.0 | 0.0 | 0.0 | 84.7 | (1.3) | MZ-2 937.7 AF*** | |
| 7th Street | 0.0 | 0.0 | 0.0 | 17.0 | (0.3) | | |
| Ely 1, 2, & 3 | 0.0 | 0.0 | 0.0 | 37.0 | (0.6) | | |
| Minor Drainage | | | | | | | |
| Grove | 0.0 | N | N | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | | | |
| Turner 1 & 2 | 3.0 | 0.0 | 0.0 | 149.4 | (2.2) | | |
| Turner 3 & 4 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Day Creek Channel Drainage System | | | | | | | |
| Lower Day | 0.0 | 444.9 | (6.7) | X | 0.0 | | |
| Etiwanda Channel Drainage System | | | | | | | |
| Etiwanda Debris | 0.0 | 29.8 | (0.4) | X | 0.0 | | |
| Victoria | 0.0 | 0.0 | 0.0 | 41.0 | (0.6) | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | | | |
| San Sevaine 1, 2, 3, & 4 | 0.0 | 55.2 | (0.8) | 0.0 | 0.0 | | |
| San Sevaine 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| West Fontana Channel System | | | | | | | |
| Hickory | 15.0 | 0.0 | 0.0 | 172.4 | (2.6) | | |
| Banana | 0.0 | 0.0 | 0.0 | 469.8 | (7.0) | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | | | |
| Jurupa | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | MZ-3 753.0 AF*** | |
| Declez Channel Drainage System | | | | | | | |
| RP3 Cells 1,3, & 4 | 0.0 | 0.0 | 0.0 | 257.6 | (3.9) | | |
| RP3 Cell 2 | 0.0 | 0.0 | 0.0 | 31.0 | (0.5) | | |
| Declez | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Non-Replenishment Recharge** | | | | | | | |
| MZ1: Upland (Upland & Montclair) | (3.4) | | | | | November 2017 | |
| MZ1: MVWD (Montclair & Brooks) | (2.4) | | | | | | |
| MZ2: None | 0.0 | | | | | | |
| MZ3: None | 0.0 | | | | | | |
| Month Total = 3,867 AF | 31.9 | 2,480.4 | (37.2) | 1,413.4 | (21.2) | | |
| All Sources | SW/LR | Imported | | Recycled Water | | | |
| Fiscal Year Delivery (with evaporation) Since July 1, 2017 = 31,449 AF | 553.20 | 25,165.1 | (225.2) | 6,037.0 | (81.4) | Fiscal Year to Date | |
| Calendar Year Delivery (with evaporation) Since Jan. 1, 2017 = 53,162 AF | 7,548.2 | 24,939.9 | | 5,955.6 | | Calendar Year to Date | |
| | | 33,034.3 | (225.2) | 12,886.0 | (81.4) | | |
| | | 32,809.1 | | 12,804.6 | | | |

SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, 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.

** : Beginning October 2017, evaporation losses are applied per Watermaster (4.2% April through October and 1.5% November through March).

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

SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS

Water Delivered* and Evaporation** (AF) - December 2017

| Drainage System | SW/LR | Imported | | Recycled Water | | Management Zone Subtotals | |
|---|--------------|-----------------|----------------|-----------------------|----------------|----------------------------------|--|
| Basin | Delivered | Delivered | Evaporation | Delivered | Evaporation | | |
| San Antonio Channel Drainage System | | | | | | | |
| College Heights | 0.0 | 490.0 | (7.4) | N | N | MZ-1 2,857.1 AF*** | |
| Upland | 2.2 | 117.6 | (1.8) | N | N | | |
| Montclair 1, 2, 3 & 4 | 1.9 | 1,951.2 | (29.3) | N | N | | |
| Brooks | 0.6 | 0.0 | 0.0 | 124.0 | (1.9) | | |
| West Cucamonga Channel Drainage System | | | | | | | |
| 8th Street | 3.1 | 0.0 | 0.0 | 214.7 | (3.2) | MZ-2 2,555.2 AF*** | |
| 7th Street | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Ely 1, 2, & 3 | 0.0 | 0.0 | 0.0 | 221.7 | (3.3) | | |
| Minor Drainage | | | | | | | |
| Grove | 0.0 | N | N | N | N | | |
| Cucamonga and Deer Creek Channel Drainage Systems | | | | | | | |
| Turner 1 & 2 | 0.6 | 0.0 | 0.0 | 158.3 | (2.4) | | |
| Turner 3 & 4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Day Creek Channel Drainage System | | | | | | | |
| Lower Day | 0.0 | 505.8 | (7.6) | X | 0.0 | | |
| Etiwanda Channel Drainage System | | | | | | | |
| Etiwanda Debris | 0.0 | 296.7 | (4.5) | X | 0.0 | | |
| Victoria | 0.0 | 4.0 | (0.1) | 100.1 | (1.5) | | |
| San Sevaine Channel Drainage System (MZ-2) | | | | | | | |
| San Sevaine 1, 2, 3, & 4 | 0.0 | 1,120.7 | (16.8) | 0.0 | 0.0 | | |
| San Sevaine 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| West Fontana Channel System | | | | | | | |
| Hickory | 7.9 | 69.3 | (1.0) | 107.2 | (1.6) | | |
| Banana | 1.9 | 140.1 | (2.1) | 255.9 | (3.8) | | |
| San Sevaine Channel Drainage System (MZ-3) | | | | | | | |
| Jurupa | 0.0 | 8.3 | (0.1) | 0.0 | 0.0 | MZ-3 873.5 AF*** | |
| Declez Channel Drainage System | | | | | | | |
| RP3 Cells 1,3, & 4 | 1.3 | 63.8 | (1.0) | 341.2 | (5.1) | | |
| RP3 Cell 2 | 0.0 | 0.0 | 0.0 | 68.0 | (1.0) | | |
| Declez | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Non-Replenishment Recharge** | | | | | | | |
| MZ1: Montclair (Upland & MVWD) | (1.9) | | | | | | |
| MZ1: Brooks (MVWD) | (0.6) | | | | | | |
| MZ1: Upland (Upland) | (2.2) | | | | | | |
| MZ2 and MZ3: none | 0.0 | | | | | | |
| Month Total = 6,286 AF | 22.7 | 4,767.5 | (71.5) | 1,591.1 | (23.9) | December 2017 | |
| | | 4,696.0 | | 1,567.2 | | | |
| All Sources | SW/LR | Imported | | Recycled Water | | | |
| Fiscal Year Delivery (with evaporation) Since July 1, 2017 = 37,735 AF | 575.9 | 29,932.6 | (296.7) | 7,628.1 | (105.2) | Fiscal Year to Date | |
| | | 29,635.9 | | 7,522.9 | | | |
| Calendar Year Delivery (with evaporation) Since Jan. 1, 2017 = 59,448 AF | 7,570.9 | 37,801.8 | (296.7) | 14,477.1 | (105.2) | Calendar Year to Date | |
| | | 37,505.1 | | 14,371.9 | | | |

SW : Storm Water, LR : Local Runoff (and GE, MVWD), IW : Imported Water, 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.

** : Beginning October 2017, evaporation losses are applied per Watermaster (4.2% April through October and 1.5% November through March).

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

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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 58 | 20 | 0 | 310 | 330 | 20,069 | 137 | 5,122 | 25,191 | 20% |
| | Aug '12 | 59 | 21 | 0 | 310 | 331 | 20,400 | 0 | 5,122 | 25,522 | 20% |
| | Sep '12 | 60 | 33 | 0 | 310 | 343 | 20,743 | 124 | 5,246 | 25,989 | 20% |
| | Oct '12 | 61 | 29 | 0 | 310 | 339 | 21,083 | 309 | 5,555 | 26,638 | 21% |
| | Nov '12 | 62 | 66 | 0 | 310 | 376 | 21,459 | 248 | 5,803 | 27,262 | 21% |
| | Dec '12 | 63 | 278 | 0 | 310 | 588 | 22,047 | 103 | 5,906 | 27,953 | 21% |
| | Jan '13 | 64 | 70 | 0 | 310 | 380 | 22,427 | 230 | 6,136 | 28,563 | 21% |
| | Feb '13 | 65 | 90 | 0 | 310 | 400 | 22,827 | 226 | 6,362 | 29,189 | 22% |
| | Mar '13 | 66 | 65 | 0 | 310 | 375 | 23,203 | 240 | 6,602 | 29,805 | 22% |
| | Apr '13 | 67 | 24 | 0 | 310 | 334 | 23,537 | 152 | 6,754 | 30,291 | 22% |
| May '13 | 68 | 43 | 0 | 310 | 353 | 23,890 | 221 | 6,975 | 30,865 | 23% | |
| Jun '13 | 69 | 12 | 0 | 310 | 322 | 24,212 | 271 | 7,246 | 31,458 | 23% | |
| 2013/14 | Jul '13 | 70 | 13 | 0 | 310 | 323 | 24,535 | 186 | 7,432 | 31,968 | 23% |
| | Aug '13 | 71 | 13 | 0 | 310 | 323 | 24,859 | 118 | 7,550 | 32,409 | 23% |
| | Sep '13 | 72 | 11 | 0 | 310 | 321 | 25,180 | 150 | 7,700 | 32,880 | 23% |
| | Oct '13 | 73 | 48 | 0 | 310 | 358 | 25,538 | 239 | 7,939 | 33,477 | 24% |
| | Nov '13 | 74 | 49 | 0 | 310 | 359 | 25,897 | 249 | 8,188 | 34,085 | 24% |
| | Dec '13 | 75 | 46 | 0 | 310 | 356 | 26,253 | 121 | 8,309 | 34,563 | 24% |
| | Jan '14 | 76 | 27 | 0 | 310 | 337 | 26,591 | 108 | 8,417 | 35,008 | 24% |
| | Feb '14 | 77 | 59 | 0 | 310 | 369 | 26,960 | 88 | 8,505 | 35,465 | 24% |
| | Mar '14 | 78 | 46 | 5 | 310 | 362 | 27,321 | 26 | 8,531 | 35,853 | 24% |
| | Apr '14 | 79 | 79 | 0 | 310 | 389 | 27,711 | 21 | 8,552 | 36,263 | 24% |
| | May '14 | 80 | 26 | 0 | 310 | 336 | 28,047 | 65 | 8,617 | 36,664 | 24% |
| | Jun '14 | 81 | 24 | 0 | 310 | 334 | 28,381 | 52 | 8,669 | 37,050 | 23% |
| 2014/15 | Jul '14 | 82 | 25 | 0 | 310 | 335 | 28,716 | 8 | 8,677 | 37,393 | 23% |
| | Aug '14 | 83 | 15 | 0 | 310 | 325 | 29,041 | 8 | 8,685 | 37,727 | 23% |
| | Sep '14 | 84 | 14 | 0 | 310 | 324 | 29,366 | 32 | 8,717 | 38,083 | 23% |
| | Oct '14 | 85 | 0 | 0 | 310 | 310 | 29,676 | 0 | 8,717 | 38,393 | 23% |
| | Nov '14 | 86 | 146 | 0 | 310 | 456 | 30,132 | 0 | 8,717 | 38,849 | 22% |
| | Dec '14 | 87 | 353 | 0 | 310 | 663 | 30,795 | 0 | 8,717 | 39,512 | 22% |
| | Jan '15 | 88 | 110 | 0 | 310 | 420 | 31,216 | 0 | 8,717 | 39,933 | 22% |
| | Feb '15 | 89 | 42 | 0 | 310 | 352 | 31,568 | 0 | 8,717 | 40,285 | 22% |
| | Mar '15 | 90 | 42 | 0 | 310 | 352 | 31,920 | 0 | 8,717 | 40,637 | 21% |
| | Apr '15 | 91 | 25 | 0 | 310 | 335 | 32,255 | 0 | 8,717 | 40,972 | 21% |
| May '15 | 92 | 57 | 0 | 310 | 367 | 32,622 | 0 | 8,717 | 41,340 | 21% | |
| Jun '15 | 93 | 12 | 0 | 310 | 322 | 32,945 | 0 | 8,717 | 41,662 | 21% | |
| 2015/16 | Jul '15 | 94 | 44 | 0 | 310 | 354 | 33,299 | 0 | 8,717 | 42,016 | 21% |
| | Aug '15 | 95 | 4 | 0 | 310 | 314 | 33,613 | 23 | 8,740 | 42,353 | 21% |
| | Sep '15 | 96 | 76 | 0 | 310 | 386 | 33,939 | 60 | 8,800 | 42,739 | 21% |
| | Oct '15 | 97 | 39 | 0 | 310 | 349 | 34,156 | 13 | 8,813 | 42,969 | 21% |
| | Nov '15 | 98 | 19 | 0 | 310 | 329 | 34,425 | 95 | 8,908 | 43,333 | 21% |
| | Dec '15 | 99 | 86 | 0 | 310 | 396 | 34,761 | 159 | 9,067 | 43,828 | 21% |
| | Jan '16 | 100 | 249 | 0 | 310 | 559 | 35,204 | 59 | 9,126 | 44,331 | 21% |
| | Feb '16 | 101 | 93 | 0 | 310 | 403 | 35,365 | 206 | 9,332 | 44,697 | 21% |
| | Mar '16 | 102 | 200 | 0 | 310 | 510 | 35,550 | 160 | 9,492 | 45,042 | 21% |
| | Apr '16 | 103 | 34 | 0 | 310 | 344 | 35,664 | 195 | 9,687 | 45,351 | 21% |
| | May '16 | 104 | 72 | 0 | 310 | 382 | 35,996 | 204 | 9,891 | 45,887 | 22% |
| | Jun '16 | 105 | 5 | 0 | 310 | 315 | 36,296 | 296 | 10,187 | 46,484 | 22% |
| 2016/17 | Jul '16 | 106 | 4 | 0 | 310 | 314 | 36,599 | 259 | 10,446 | 47,045 | 22% |
| | Aug '16 | 107 | 8 | 0 | 310 | 318 | 36,911 | 268 | 10,714 | 47,625 | 22% |
| | Sep '16 | 108 | 5 | 0 | 310 | 315 | 37,204 | 248 | 10,962 | 48,166 | 23% |
| | Oct '16 | 109 | 35 | 0 | 310 | 345 | 37,509 | 285 | 11,247 | 48,756 | 23% |
| | Nov '16 | 110 | 82 | 0 | 310 | 392 | 37,859 | 228 | 11,475 | 49,334 | 23% |
| | Dec '16 | 111 | 363 | 0 | 310 | 673 | 38,453 | 121 | 11,596 | 50,049 | 23% |
| | Jan '17 | 112 | 323 | 0 | 310 | 633 | 39,027 | 0 | 11,596 | 50,623 | 23% |
| | Feb '17 | 113 | 100 | 0 | 310 | 410 | 39,270 | 34 | 11,630 | 50,900 | 23% |
| | Mar '17 | 114 | 22 | 0 | 310 | 332 | 39,564 | 176 | 11,806 | 51,370 | 23% |
| | Apr '17 | 115 | 57 | 0 | 310 | 367 | 39,842 | 280 | 12,086 | 51,928 | 23% |
| May '17 | 116 | 16 | 0 | 310 | 326 | 40,126 | 184 | 12,270 | 52,396 | 23% | |
| Jun '17 | 117 | 19 | 18 | 310 | 347 | 40,431 | 198 | 12,468 | 52,900 | 24% | |
| 2017/18 | Jul '17 | 118 | 105 | 0 | 310 | 415 | 40,831 | 1 | 12,469 | 53,300 | 23% |
| | Aug '17 | 119 | 20 | 584 | 310 | 914 | 41,729 | 196 | 12,665 | 54,394 | 23% |
| | Sep '17 | 120 | 3 | 287 | 310 | 600 | 42,312 | 131 | 12,668 | 54,980 | 23% |
| | Oct '17 | 121 | 51 | 63 | 310 | 424 | 42,694 | 32 | 12,591 | 55,285 | 23% |
| | Nov '17 | 122 | 3 | 0 | 310 | 313 | 42,926 | 17 | 12,447 | 55,373 | 22% |
| | Dec '17 | 123 | 3 | 0 | 310 | 313 | 43,015 | 0 | 12,447 | 55,462 | 22% |
| | Jan '18 | 124 | 121 | 0 | 310 | 432 | 43,112 | 0 | 12,446 | 55,557 | 22% |
| | Feb '18 | 125 | 85 | 0 | 310 | 395 | 43,409 | 0 | 12,289 | 55,697 | 22% |
| | Mar '18 | 126 | 115 | 0 | 310 | 425 | 43,813 | 140 | 12,265 | 56,078 | 22% |
| | Apr '18 | 127 | 85 | 0 | 310 | 395 | 44,197 | 170 | 12,345 | 56,542 | 22% |
| May '18 | 128 | 42 | 0 | 310 | 352 | 44,459 | 210 | 12,397 | 56,856 | 22% | |
| Jun '18 | 129 | 18 | 0 | 310 | 328 | 44,772 | 230 | 12,541 | 57,313 | 22% | |

H I S T O R I C A L



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 | 25 | 310 | 335 | 45,079 | 230 | 12,547 | 57,625 | 22% | P L A N N E D |
| | Aug '18 | 131 | 15 | 310 | 325 | 45,389 | 240 | 12,659 | 58,048 | 22% | |
| | Sep '18 | 132 | 24 | 310 | 334 | 45,708 | 230 | 12,889 | 58,597 | 22% | |
| | Oct '18 | 133 | 49 | 310 | 359 | 46,051 | 200 | 13,089 | 59,140 | 22% | |
| | Nov '18 | 134 | 85 | 310 | 395 | 46,309 | 170 | 13,259 | 59,568 | 22% | |
| | Dec '18 | 135 | 209 | 310 | 519 | 46,477 | 40 | 13,299 | 59,775 | 22% | |
| | Jan '19 | 136 | 154 | 310 | 464 | 46,906 | 100 | 13,399 | 60,305 | 22% | |
| | Feb '19 | 137 | 180 | 310 | 490 | 46,938 | 70 | 13,469 | 60,407 | 22% | |
| | Mar '19 | 138 | 115 | 310 | 425 | 47,342 | 140 | 13,609 | 60,951 | 22% | |
| | Apr '19 | 139 | 85 | 310 | 395 | 47,722 | 170 | 13,779 | 61,501 | 22% | |
| | May '19 | 140 | 42 | 310 | 352 | 48,059 | 210 | 13,989 | 62,047 | 23% | |
| | Jun '19 | 141 | 18 | 310 | 328 | 48,387 | 230 | 14,219 | 62,606 | 23% | |
| 2019/20 | Jul '19 | 142 | 25 | 310 | 335 | 48,703 | 230 | 14,449 | 63,152 | 23% | |
| | Aug '19 | 143 | 15 | 310 | 325 | 48,995 | 240 | 14,665 | 63,660 | 23% | |
| | Sep '19 | 144 | 24 | 310 | 334 | 49,312 | 230 | 14,895 | 64,206 | 23% | |
| | Oct '19 | 145 | 49 | 310 | 359 | 49,287 | 200 | 15,095 | 64,381 | 23% | |
| | Nov '19 | 146 | 85 | 310 | 395 | 49,279 | 170 | 15,132 | 64,410 | 23% | |
| | Dec '19 | 147 | 209 | 310 | 519 | 49,185 | 40 | 15,079 | 64,263 | 23% | |
| | Jan '20 | 148 | 154 | 310 | 464 | 48,952 | 100 | 15,077 | 64,028 | 24% | |
| | Feb '20 | 149 | 180 | 310 | 490 | 48,655 | 70 | 15,147 | 63,801 | 24% | |
| | Mar '20 | 150 | 115 | 310 | 425 | 48,697 | 140 | 15,173 | 63,869 | 24% | |
| | Apr '20 | 151 | 85 | 310 | 395 | 48,576 | 170 | 15,243 | 63,818 | 24% | |
| | May '20 | 152 | 42 | 310 | 352 | 48,584 | 210 | 15,254 | 63,837 | 24% | |
| | Jun '20 | 153 | 18 | 310 | 328 | 48,569 | 230 | 15,182 | 63,750 | 24% | |
| 2020/21 | Jul '20 | 154 | 25 | 310 | 335 | 48,564 | 230 | 15,194 | 63,757 | 24% | |
| | Aug '20 | 155 | 15 | 310 | 325 | 48,551 | 240 | 15,328 | 63,878 | 24% | |
| | Sep '20 | 156 | 24 | 310 | 334 | 48,539 | 230 | 15,381 | 63,919 | 24% | |
| | Oct '20 | 157 | 49 | 310 | 359 | 48,499 | 200 | 15,293 | 63,791 | 24% | |
| | Nov '20 | 158 | 85 | 310 | 395 | 48,397 | 170 | 15,300 | 63,696 | 24% | |
| | Dec '20 | 159 | 209 | 310 | 519 | 48,107 | 40 | 15,320 | 63,426 | 24% | |
| | Jan '21 | 160 | 154 | 310 | 464 | 48,151 | 100 | 15,253 | 63,403 | 24% | |
| | Feb '21 | 161 | 180 | 310 | 490 | 48,055 | 70 | 15,240 | 63,294 | 24% | |
| | Mar '21 | 162 | 115 | 310 | 425 | 47,920 | 140 | 15,357 | 63,276 | 24% | |
| | Apr '21 | 163 | 85 | 310 | 395 | 47,981 | 170 | 15,346 | 63,326 | 24% | |
| | May '21 | 164 | 42 | 310 | 352 | 47,772 | 210 | 15,313 | 63,084 | 24% | |
| | Jun '21 | 165 | 18 | 310 | 328 | 47,443 | 230 | 15,341 | 62,784 | 24% | |
| 2021/2022 | Jul '21 | 166 | 25 | 310 | 335 | 47,268 | 230 | 15,483 | 62,750 | 25% | |
| | Aug '21 | 167 | 15 | 310 | 325 | 47,050 | 240 | 15,677 | 62,727 | 25% | |
| | Sep '21 | 168 | 24 | 310 | 334 | 46,906 | 230 | 15,905 | 62,811 | 25% | |
| | Oct '21 | 169 | 49 | 310 | 359 | 46,912 | 200 | 16,105 | 63,017 | 26% | |
| | Nov '21 | 170 | 85 | 310 | 395 | 46,859 | 170 | 16,275 | 63,134 | 26% | |
| | Dec '21 | 171 | 209 | 310 | 519 | 46,992 | 40 | 16,315 | 63,307 | 26% | |
| | Jan '22 | 172 | 154 | 310 | 464 | 47,089 | 100 | 16,388 | 63,477 | 26% | |
| | Feb '22 | 173 | 180 | 310 | 490 | 47,115 | 70 | 16,458 | 63,573 | 26% | |
| | Mar '22 | 174 | 115 | 310 | 425 | 46,949 | 140 | 16,598 | 63,547 | 26% | |
| | Apr '22 | 175 | 85 | 310 | 395 | 46,811 | 170 | 16,734 | 63,545 | 26% | |
| | May '22 | 176 | 42 | 310 | 352 | 46,828 | 210 | 16,688 | 63,516 | 26% | |
| | Jun '22 | 177 | 18 | 310 | 328 | 46,825 | 230 | 16,730 | 63,555 | 26% | |
| 2022/2023 | Jul '22 | 178 | 25 | 310 | 335 | 46,830 | 230 | 16,823 | 63,653 | 26% | |
| | Aug '22 | 179 | 15 | 310 | 325 | 46,824 | 240 | 17,063 | 63,887 | 27% | |
| | Sep '22 | 180 | 24 | 310 | 334 | 46,815 | 230 | 17,169 | 63,984 | 27% | |
| | Oct '22 | 181 | 49 | 310 | 359 | 46,835 | 200 | 17,060 | 63,895 | 27% | |
| | Nov '22 | 182 | 85 | 310 | 395 | 46,854 | 170 | 16,982 | 63,836 | 27% | |
| | Dec '22 | 183 | 209 | 310 | 519 | 46,785 | 40 | 16,919 | 63,704 | 27% | |
| | Jan '23 | 184 | 154 | 310 | 464 | 46,869 | 100 | 16,789 | 63,658 | 26% | |
| | Feb '23 | 185 | 180 | 310 | 490 | 46,959 | 70 | 16,633 | 63,592 | 26% | |
| | Mar '23 | 186 | 115 | 310 | 425 | 47,009 | 140 | 16,533 | 63,542 | 26% | |
| | Apr '23 | 187 | 85 | 310 | 395 | 47,070 | 170 | 16,551 | 63,621 | 26% | |
| | May '23 | 188 | 42 | 310 | 352 | 47,069 | 210 | 16,540 | 63,609 | 26% | |
| | Jun '23 | 189 | 18 | 310 | 328 | 47,075 | 230 | 16,499 | 63,574 | 26% | |
| 2023/2024 | Jul '23 | 190 | 25 | 310 | 335 | 47,087 | 230 | 16,543 | 63,630 | 26% | |
| | Aug '23 | 191 | 15 | 310 | 325 | 47,089 | 240 | 16,665 | 63,754 | 26% | |
| | Sep '23 | 192 | 24 | 310 | 334 | 47,102 | 230 | 16,745 | 63,847 | 26% | |
| | Oct '23 | 193 | 49 | 310 | 359 | 47,103 | 200 | 16,706 | 63,809 | 26% | |
| | Nov '23 | 194 | 85 | 310 | 395 | 47,139 | 170 | 16,627 | 63,766 | 26% | |
| | Dec '23 | 195 | 209 | 310 | 519 | 47,302 | 40 | 16,546 | 63,848 | 26% | |
| | Jan '24 | 196 | 154 | 310 | 464 | 47,429 | 100 | 16,538 | 63,967 | 26% | |
| | Feb '24 | 197 | 180 | 310 | 490 | 47,550 | 70 | 16,520 | 64,070 | 26% | |
| | Mar '24 | 198 | 115 | 310 | 425 | 47,614 | 140 | 16,634 | 64,247 | 26% | |
| | Apr '24 | 199 | 85 | 310 | 395 | 47,620 | 170 | 16,783 | 64,402 | 26% | |
| | May '24 | 200 | 42 | 310 | 352 | 47,636 | 210 | 16,928 | 64,563 | 26% | |
| | Jun '24 | 201 | 18 | 310 | 328 | 47,630 | 230 | 17,106 | 64,735 | 26% | |



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 | |
|-----------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|----------------------------|
| 2024/2025 | Jul '24 | 202 | 25 | | 310 | 335 | 47,630 | 230 | 17,328 | 64,957 | 27% | P L A N E D |
| | Aug '24 | 203 | 15 | | 310 | 325 | 47,630 | 240 | 17,560 | 65,189 | 27% | |
| | Sep '24 | 204 | 24 | | 310 | 334 | 47,640 | 230 | 17,758 | 65,397 | 27% | |
| | Oct '24 | 205 | 49 | | 310 | 359 | 47,689 | 200 | 17,958 | 65,646 | 27% | |
| | Nov '24 | 206 | 85 | | 310 | 395 | 47,628 | 170 | 18,128 | 65,755 | 28% | |
| | Dec '24 | 207 | 209 | | 310 | 519 | 47,484 | 40 | 18,168 | 65,651 | 28% | |
| | Jan '25 | 208 | 154 | | 310 | 464 | 47,528 | 100 | 18,268 | 65,795 | 28% | |
| | Feb '25 | 209 | 180 | | 310 | 490 | 47,666 | 70 | 18,338 | 66,003 | 28% | |
| | Mar '25 | 210 | 115 | | 310 | 425 | 47,739 | 140 | 18,478 | 66,216 | 28% | |
| | Apr '25 | 211 | 85 | | 310 | 395 | 47,799 | 170 | 18,648 | 66,446 | 28% | |
| May '25 | 212 | 42 | | 310 | 352 | 47,784 | 210 | 18,858 | 66,641 | 28% | | |
| Jun '25 | 213 | 18 | | 310 | 328 | 47,790 | 230 | 19,088 | 66,877 | 29% | | |
| 2025/26 | Jul '25 | 214 | 25 | | 310 | 335 | 47,771 | 230 | 19,318 | 67,088 | 29% | |
| | Aug '25 | 215 | 15 | | 310 | 325 | 47,782 | 240 | 19,535 | 67,316 | 29% | |
| | Sep '25 | 216 | 24 | | 310 | 334 | 47,730 | 230 | 19,705 | 67,434 | 29% | |
| | Oct '25 | 217 | 49 | | 310 | 359 | 47,740 | 200 | 19,892 | 67,631 | 29% | |
| | Nov '25 | 218 | 85 | | 310 | 395 | 47,806 | 170 | 19,967 | 67,772 | 29% | |
| | Dec '25 | 219 | 209 | | 310 | 519 | 47,929 | 40 | 19,848 | 67,776 | 29% | |
| | Jan '26 | 220 | 154 | | 310 | 464 | 47,834 | 100 | 19,889 | 67,722 | 29% | |
| | Feb '26 | 221 | 180 | | 310 | 490 | 47,921 | 70 | 19,753 | 67,673 | 29% | |
| | Mar '26 | 222 | 115 | | 310 | 425 | 47,836 | 140 | 19,733 | 67,568 | 29% | |
| | Apr '26 | 223 | 85 | | 310 | 395 | 47,887 | 170 | 19,708 | 67,594 | 29% | |
| May '26 | 224 | 42 | | 310 | 352 | 47,857 | 210 | 19,714 | 67,570 | 29% | | |
| Jun '26 | 225 | 18 | | 310 | 328 | 47,870 | 230 | 19,648 | 67,517 | 29% | | |
| 2026/27 | Jul '26 | 226 | 25 | | 310 | 335 | 47,891 | 230 | 19,619 | 67,509 | 29% | |
| | Aug '26 | 227 | 15 | | 310 | 325 | 47,898 | 240 | 19,591 | 67,488 | 29% | |
| | Sep '26 | 228 | 24 | | 310 | 334 | 47,917 | 230 | 19,573 | 67,489 | 29% | |
| | Oct '26 | 229 | 49 | | 310 | 359 | 47,931 | 200 | 19,488 | 67,418 | 29% | |
| | Nov '26 | 230 | 85 | | 310 | 395 | 47,934 | 170 | 19,430 | 67,363 | 29% | |
| | Dec '26 | 231 | 209 | | 310 | 519 | 47,780 | 40 | 19,349 | 67,128 | 29% | |
| | Jan '27 | 232 | 154 | | 310 | 464 | 47,611 | 100 | 19,449 | 67,059 | 29% | |
| | Feb '27 | 233 | 180 | | 310 | 490 | 47,691 | 70 | 19,485 | 67,175 | 29% | |
| | Mar '27 | 234 | 115 | | 310 | 425 | 47,784 | 140 | 19,449 | 67,232 | 29% | |
| | Apr '27 | 235 | 85 | | 310 | 395 | 47,812 | 170 | 19,339 | 67,150 | 29% | |
| May '27 | 236 | 42 | | 310 | 352 | 47,838 | 210 | 19,365 | 67,202 | 29% | | |
| Jun '27 | 237 | 18 | | 310 | 328 | 47,818 | 230 | 19,397 | 67,215 | 29% | | |
| 2027/28 | Jul '27 | 238 | 25 | | 310 | 335 | 47,738 | 230 | 19,626 | 67,364 | 29% | |
| | Aug '27 | 239 | 15 | | 310 | 325 | 47,150 | 240 | 19,670 | 66,819 | 29% | |
| | Sep '27 | 240 | 24 | | 310 | 334 | 46,884 | 230 | 19,769 | 66,652 | 30% | |
| | Oct '27 | 241 | 49 | | 310 | 359 | 46,819 | 200 | 19,937 | 66,756 | 30% | |
| | Nov '27 | 242 | 85 | | 310 | 395 | 46,901 | 170 | 20,090 | 66,991 | 30% | |
| | Dec '27 | 243 | 209 | | 310 | 519 | 47,107 | 40 | 20,130 | 67,237 | 30% | |
| | Jan '28 | 244 | 154 | | 310 | 464 | 47,140 | 100 | 20,230 | 67,370 | 30% | |
| | Feb '28 | 245 | 180 | | 310 | 490 | 47,235 | 70 | 20,300 | 67,535 | 30% | |
| | Mar '28 | 246 | 115 | | 310 | 425 | 47,235 | 140 | 20,300 | 67,535 | 30% | |
| | Apr '28 | 247 | 85 | | 310 | 395 | 47,235 | 170 | 20,300 | 67,535 | 30% | |
| May '28 | 248 | 42 | | 310 | 352 | 47,235 | 210 | 20,300 | 67,535 | 30% | | |
| Jun '28 | 249 | 18 | | 310 | 328 | 47,235 | 230 | 20,300 | 67,535 | 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.

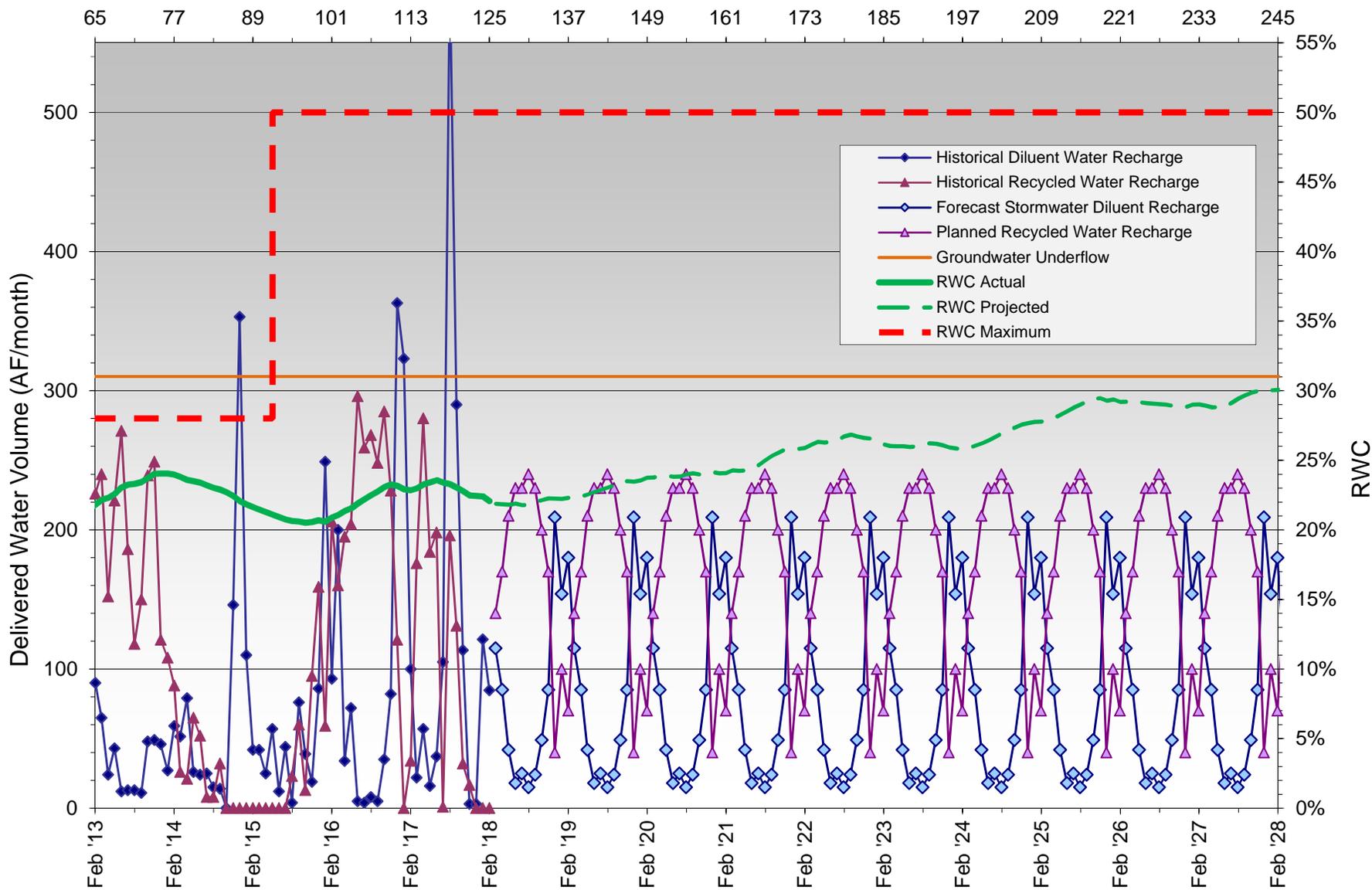
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



HISTORICAL RECHARGE

PLANNED RECHARGE



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 |
|-----------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 84 | 0 | 0 | 151 | 151 | 8,949 | 41 | 4,560 | 13,509 | 34% |
| | Aug '12 | 85 | 0 | 0 | 151 | 151 | 9,100 | 2 | 4,562 | 13,662 | 33% |
| | Sep '12 | 86 | 0 | 0 | 151 | 151 | 9,252 | 188 | 4,750 | 14,002 | 34% |
| | Oct '12 | 87 | 11 | 0 | 151 | 162 | 9,414 | 103 | 4,853 | 14,267 | 34% |
| | Nov '12 | 88 | 5 | 0 | 151 | 156 | 9,531 | 120 | 4,973 | 14,505 | 34% |
| | Dec '12 | 89 | 49 | 0 | 151 | 200 | 9,672 | 15 | 4,988 | 14,661 | 34% |
| | Jan '13 | 90 | 18 | 0 | 151 | 169 | 9,842 | 28 | 5,016 | 14,858 | 34% |
| | Feb '13 | 91 | 20 | 0 | 151 | 171 | 9,933 | 2 | 5,018 | 14,951 | 34% |
| | Mar '13 | 92 | 8 | 0 | 151 | 159 | 10,053 | 42 | 5,060 | 15,113 | 33% |
| | Apr '13 | 93 | 0 | 0 | 151 | 151 | 10,117 | 55 | 5,115 | 15,232 | 34% |
| May '13 | 94 | 3 | 0 | 151 | 154 | 10,210 | 39 | 5,154 | 15,364 | 34% | |
| Jun '13 | 95 | 0 | 0 | 151 | 151 | 10,361 | 35 | 5,189 | 15,550 | 33% | |
| 2013/14 | Jul '13 | 96 | 0 | 0 | 151 | 151 | 10,513 | 15 | 5,204 | 15,717 | 33% |
| | Aug '13 | 97 | 0 | 0 | 151 | 151 | 10,664 | 12 | 5,216 | 15,880 | 33% |
| | Sep '13 | 98 | 0 | 0 | 151 | 151 | 10,815 | 0 | 5,216 | 16,031 | 33% |
| | Oct '13 | 99 | 0 | 0 | 151 | 151 | 10,967 | 385 | 5,601 | 16,568 | 34% |
| | Nov '13 | 100 | 22 | 0 | 151 | 173 | 11,106 | 102 | 5,703 | 16,809 | 34% |
| | Dec '13 | 101 | 6 | 0 | 151 | 157 | 11,226 | 0 | 5,703 | 16,929 | 34% |
| | Jan '14 | 102 | 9 | 8 | 151 | 169 | 11,390 | 0 | 5,703 | 17,093 | 33% |
| | Feb '14 | 103 | 39 | 16 | 151 | 206 | 11,513 | 0 | 5,703 | 17,216 | 33% |
| | Mar '14 | 104 | 9 | 0 | 151 | 160 | 11,645 | 85 | 5,788 | 17,433 | 33% |
| | Apr '14 | 105 | 2 | 0 | 151 | 153 | 11,798 | 88 | 5,876 | 17,674 | 33% |
| May '14 | 106 | 0 | 0 | 151 | 151 | 11,949 | 194 | 6,070 | 18,019 | 34% | |
| Jun '14 | 107 | 0 | 0 | 151 | 151 | 12,100 | 190 | 6,260 | 18,361 | 34% | |
| 2014/15 | Jul '14 | 108 | 0 | 0 | 151 | 151 | 12,252 | 0 | 6,260 | 18,512 | 34% |
| | Aug '14 | 109 | 0 | 0 | 151 | 151 | 12,403 | 82 | 6,342 | 18,745 | 34% |
| | Sep '14 | 110 | 0 | 0 | 151 | 151 | 12,554 | 72 | 6,414 | 18,968 | 34% |
| | Oct '14 | 111 | 0 | 0 | 151 | 151 | 12,643 | 206 | 6,620 | 19,263 | 34% |
| | Nov '14 | 112 | 7 | 0 | 151 | 158 | 12,784 | 173 | 6,793 | 19,577 | 35% |
| | Dec '14 | 113 | 145 | 0 | 151 | 296 | 13,055 | 67 | 6,860 | 19,915 | 34% |
| | Jan '15 | 114 | 24 | 0 | 151 | 175 | 13,137 | 144 | 7,004 | 20,141 | 35% |
| | Feb '15 | 115 | 16 | 0 | 151 | 167 | 13,193 | 47 | 7,051 | 20,244 | 35% |
| | Mar '15 | 116 | 2 | 0 | 151 | 153 | 13,322 | 80 | 7,131 | 20,453 | 35% |
| | Apr '15 | 117 | 3 | 0 | 151 | 154 | 13,457 | 90 | 7,221 | 20,678 | 35% |
| May '15 | 118 | 0 | 0 | 151 | 151 | 13,594 | 161 | 7,382 | 20,976 | 35% | |
| Jun '15 | 119 | 0 | 0 | 151 | 151 | 13,745 | 26 | 7,408 | 21,153 | 35% | |
| 2015/16 | Jul '15 | 120 | 0 | 0 | 151 | 151 | 13,704 | 54 | 7,442 | 21,146 | 35% |
| | Aug '15 | 121 | 0 | 0 | 151 | 151 | 13,855 | 156 | 7,344 | 21,200 | 35% |
| | Sep '15 | 122 | 40 | 0 | 151 | 191 | 14,046 | 376 | 7,592 | 21,638 | 35% |
| | Oct '15 | 123 | 105 | 0 | 151 | 256 | 14,274 | 349 | 7,915 | 22,189 | 36% |
| | Nov '15 | 124 | 30 | 0 | 151 | 181 | 14,455 | 262 | 8,169 | 22,625 | 36% |
| | Dec '15 | 125 | 59 | 0 | 151 | 210 | 14,647 | 283 | 8,442 | 23,089 | 37% |
| | Jan '16 | 126 | 71 | 0 | 151 | 222 | 14,863 | 75 | 8,467 | 23,330 | 36% |
| | Feb '16 | 127 | 7 | 0 | 151 | 158 | 14,999 | 110 | 8,522 | 23,521 | 36% |
| | Mar '16 | 128 | 38 | 0 | 151 | 189 | 15,133 | 74 | 8,596 | 23,729 | 36% |
| | Apr '16 | 129 | 0 | 0 | 151 | 151 | 15,249 | 97 | 8,693 | 23,941 | 36% |
| May '16 | 130 | 15 | 0 | 151 | 166 | 15,358 | 113 | 8,806 | 24,164 | 36% | |
| Jun '16 | 131 | 0 | 0 | 151 | 151 | 15,509 | 157 | 8,916 | 24,425 | 37% | |
| 2016/2017 | Jul '16 | 132 | 0 | 0 | 151 | 151 | 15,661 | 183 | 9,034 | 24,695 | 37% |
| | Aug '16 | 133 | 0 | 0 | 151 | 151 | 15,812 | 49 | 8,998 | 24,810 | 36% |
| | Sep '16 | 134 | 0 | 0 | 151 | 151 | 15,963 | 97 | 8,717 | 24,681 | 35% |
| | Oct '16 | 135 | 6 | 0 | 151 | 157 | 16,046 | 115 | 8,783 | 24,829 | 35% |
| | Nov '16 | 136 | 21 | 0 | 151 | 172 | 15,984 | 55 | 8,831 | 24,815 | 36% |
| | Dec '16 | 137 | 71 | 0 | 151 | 222 | 16,005 | 1 | 8,782 | 24,787 | 35% |
| | Jan '17 | 138 | 50 | 0 | 151 | 201 | 15,875 | 0 | 8,782 | 24,657 | 36% |
| | Feb '17 | 139 | 18 | 0 | 151 | 169 | 15,971 | 0 | 8,782 | 24,753 | 35% |
| | Mar '17 | 140 | 0 | 0 | 151 | 151 | 16,069 | 0 | 8,782 | 24,851 | 35% |
| | Apr '17 | 141 | 0 | 0 | 151 | 151 | 16,191 | 0 | 8,778 | 24,969 | 35% |
| May '17 | 142 | 0 | 0 | 151 | 151 | 16,306 | 0 | 8,772 | 25,078 | 35% | |
| Jun '17 | 143 | 0 | 0 | 151 | 151 | 16,457 | 0 | 8,772 | 25,229 | 35% | |
| 2017/2018 | Jul '17 | 144 | 0 | 0 | 151 | 151 | 16,608 | 0 | 8,772 | 25,380 | 35% |
| | Aug '17 | 145 | 2 | 0 | 151 | 153 | 16,761 | 131 | 8,903 | 25,664 | 35% |
| | Sep '17 | 146 | 2 | 134 | 151 | 287 | 17,045 | 161 | 9,064 | 26,109 | 35% |
| | Oct '17 | 147 | 3 | 121 | 151 | 274 | 17,318 | 241 | 9,305 | 26,623 | 35% |
| | Nov '17 | 148 | 0 | 0 | 151 | 151 | 17,434 | 463 | 9,768 | 27,202 | 36% |
| | Dec '17 | 149 | 2 | 138 | 151 | 291 | 17,703 | 252 | 10,020 | 27,723 | 36% |
| | Jan '18 | 150 | 115 | 93 | 151 | 359 | 17,932 | 126 | 10,146 | 28,078 | 36% |
| | Feb '18 | 151 | 11 | 0 | 151 | 163 | 18,020 | 206 | 10,352 | 28,372 | 36% |
| | Mar '18 | 152 | 15 | | 151 | 166 | 18,186 | 110 | 10,462 | 28,648 | 37% |
| | Apr '18 | 153 | 14 | | 151 | 165 | 18,351 | 110 | 10,525 | 28,876 | 36% |
| May '18 | 154 | 10 | | 151 | 161 | 18,510 | 120 | 10,607 | 29,117 | 36% | |
| Jun '18 | 155 | 1 | | 151 | 152 | 18,654 | 120 | 10,655 | 29,309 | 36% | |

H I S T O R I C A L



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 | 5 | | 151 | 156 | 18,779 | 120 | 10,775 | 29,554 | 36% |
| | Aug '18 | 157 | 4 | | 151 | 155 | 18,890 | 120 | 10,895 | 29,784 | 37% |
| | Sep '18 | 158 | 6 | | 151 | 157 | 19,013 | 120 | 11,015 | 30,028 | 37% |
| | Oct '18 | 159 | 19 | | 151 | 170 | 19,147 | 110 | 11,125 | 30,272 | 37% |
| | Nov '18 | 160 | 17 | | 151 | 168 | 19,266 | 110 | 11,235 | 30,500 | 37% |
| | Dec '18 | 161 | 49 | | 151 | 200 | 19,379 | 80 | 11,315 | 30,694 | 37% |
| | Jan '19 | 162 | 48 | | 151 | 199 | 19,573 | 80 | 11,355 | 30,928 | 37% |
| | Feb '19 | 163 | 44 | | 151 | 195 | 19,674 | 80 | 11,435 | 31,108 | 37% |
| | Mar '19 | 164 | 15 | | 151 | 166 | 19,840 | 110 | 11,545 | 31,385 | 37% |
| | Apr '19 | 165 | 14 | | 151 | 165 | 20,005 | 110 | 11,655 | 31,660 | 37% |
| | May '19 | 166 | 10 | | 151 | 161 | 20,166 | 120 | 11,775 | 31,941 | 37% |
| | Jun '19 | 167 | 1 | | 151 | 152 | 20,319 | 120 | 11,895 | 32,214 | 37% |
| 2019/2020 | Jul '19 | 168 | 5 | | 151 | 156 | 20,475 | 120 | 12,015 | 32,490 | 37% |
| | Aug '19 | 169 | 4 | | 151 | 155 | 20,630 | 120 | 12,135 | 32,765 | 37% |
| | Sep '19 | 170 | 6 | | 151 | 157 | 20,788 | 120 | 12,255 | 33,042 | 37% |
| | Oct '19 | 171 | 19 | | 151 | 170 | 20,792 | 110 | 12,236 | 33,027 | 37% |
| | Nov '19 | 172 | 17 | | 151 | 168 | 20,809 | 110 | 12,165 | 32,973 | 37% |
| | Dec '19 | 173 | 49 | | 151 | 200 | 20,783 | 80 | 12,178 | 32,960 | 37% |
| | Jan '20 | 174 | 48 | | 151 | 199 | 20,731 | 80 | 12,183 | 32,913 | 37% |
| | Feb '20 | 175 | 44 | | 151 | 195 | 20,632 | 80 | 12,263 | 32,894 | 37% |
| | Mar '20 | 176 | 15 | | 151 | 166 | 20,630 | 110 | 12,373 | 33,002 | 37% |
| | Apr '20 | 177 | 14 | | 151 | 165 | 20,578 | 110 | 12,343 | 32,920 | 37% |
| | May '20 | 178 | 10 | | 151 | 161 | 20,588 | 120 | 12,286 | 32,873 | 37% |
| | Jun '20 | 179 | 1 | | 151 | 152 | 20,589 | 120 | 12,277 | 32,865 | 37% |
| 2020/2021 | Jul '20 | 180 | 5 | | 151 | 156 | 20,594 | 120 | 12,320 | 32,913 | 37% |
| | Aug '20 | 181 | 4 | | 151 | 155 | 20,598 | 120 | 12,386 | 32,983 | 38% |
| | Sep '20 | 182 | 6 | | 151 | 157 | 20,604 | 120 | 12,447 | 33,050 | 38% |
| | Oct '20 | 183 | 19 | | 151 | 170 | 20,618 | 110 | 12,509 | 33,126 | 38% |
| | Nov '20 | 184 | 17 | | 151 | 168 | 20,619 | 110 | 12,590 | 33,208 | 38% |
| | Dec '20 | 185 | 49 | | 151 | 200 | 20,617 | 80 | 12,670 | 33,286 | 38% |
| | Jan '21 | 186 | 48 | | 151 | 199 | 20,655 | 80 | 12,750 | 33,404 | 38% |
| | Feb '21 | 187 | 44 | | 151 | 195 | 20,673 | 80 | 12,830 | 33,502 | 38% |
| | Mar '21 | 188 | 15 | | 151 | 166 | 20,688 | 110 | 12,940 | 33,627 | 38% |
| | Apr '21 | 189 | 14 | | 151 | 165 | 20,702 | 110 | 13,050 | 33,751 | 39% |
| | May '21 | 190 | 10 | | 151 | 161 | 20,712 | 120 | 13,170 | 33,881 | 39% |
| | Jun '21 | 191 | 1 | | 151 | 152 | 20,713 | 120 | 13,290 | 34,002 | 39% |
| 2021/2022 | Jul '21 | 192 | 5 | | 151 | 156 | 20,687 | 120 | 13,410 | 34,096 | 39% |
| | Aug '21 | 193 | 4 | | 151 | 155 | 20,691 | 120 | 13,395 | 34,085 | 39% |
| | Sep '21 | 194 | 6 | | 151 | 157 | 20,697 | 120 | 13,120 | 33,816 | 39% |
| | Oct '21 | 195 | 19 | | 151 | 170 | 20,696 | 110 | 12,826 | 33,521 | 38% |
| | Nov '21 | 196 | 17 | | 151 | 168 | 20,683 | 110 | 12,775 | 33,457 | 38% |
| | Dec '21 | 197 | 49 | | 151 | 200 | 20,714 | 80 | 12,610 | 33,323 | 38% |
| | Jan '22 | 198 | 48 | | 151 | 199 | 20,714 | 80 | 12,529 | 33,242 | 38% |
| | Feb '22 | 199 | 44 | | 151 | 195 | 20,737 | 80 | 12,442 | 33,178 | 37% |
| | Mar '22 | 200 | 15 | | 151 | 166 | 20,708 | 110 | 12,480 | 33,187 | 38% |
| | Apr '22 | 201 | 14 | | 151 | 165 | 20,687 | 110 | 12,539 | 33,225 | 38% |
| | May '22 | 202 | 10 | | 151 | 161 | 20,697 | 120 | 12,614 | 33,310 | 38% |
| | Jun '22 | 203 | 1 | | 151 | 152 | 20,698 | 120 | 12,655 | 33,352 | 38% |
| 2022/2023 | Jul '22 | 204 | 5 | | 151 | 156 | 20,703 | 120 | 12,734 | 33,436 | 38% |
| | Aug '22 | 205 | 4 | | 151 | 155 | 20,707 | 120 | 12,852 | 33,558 | 38% |
| | Sep '22 | 206 | 6 | | 151 | 157 | 20,713 | 120 | 12,784 | 33,496 | 38% |
| | Oct '22 | 207 | 19 | | 151 | 170 | 20,721 | 110 | 12,791 | 33,511 | 38% |
| | Nov '22 | 208 | 17 | | 151 | 168 | 20,733 | 110 | 12,781 | 33,513 | 38% |
| | Dec '22 | 209 | 49 | | 151 | 200 | 20,733 | 80 | 12,846 | 33,578 | 38% |
| | Jan '23 | 210 | 48 | | 151 | 199 | 20,763 | 80 | 12,898 | 33,660 | 38% |
| | Feb '23 | 211 | 44 | | 151 | 195 | 20,787 | 80 | 12,976 | 33,762 | 38% |
| | Mar '23 | 212 | 15 | | 151 | 166 | 20,794 | 110 | 13,044 | 33,837 | 39% |
| | Apr '23 | 213 | 14 | | 151 | 165 | 20,808 | 110 | 13,099 | 33,906 | 39% |
| | May '23 | 214 | 10 | | 151 | 161 | 20,815 | 120 | 13,180 | 33,994 | 39% |
| | Jun '23 | 215 | 1 | | 151 | 152 | 20,816 | 120 | 13,265 | 34,080 | 39% |
| 2023/2024 | Jul '23 | 216 | 5 | | 151 | 156 | 20,821 | 120 | 13,370 | 34,190 | 39% |
| | Aug '23 | 217 | 4 | | 151 | 155 | 20,825 | 120 | 13,478 | 34,302 | 39% |
| | Sep '23 | 218 | 6 | | 151 | 157 | 20,831 | 120 | 13,598 | 34,428 | 39% |
| | Oct '23 | 219 | 19 | | 151 | 170 | 20,850 | 110 | 13,323 | 34,172 | 39% |
| | Nov '23 | 220 | 17 | | 151 | 168 | 20,845 | 110 | 13,331 | 34,175 | 39% |
| | Dec '23 | 221 | 49 | | 151 | 200 | 20,888 | 80 | 13,411 | 34,298 | 39% |
| | Jan '24 | 222 | 48 | | 151 | 199 | 20,918 | 80 | 13,491 | 34,409 | 39% |
| | Feb '24 | 223 | 44 | | 151 | 195 | 20,907 | 80 | 13,571 | 34,478 | 39% |
| | Mar '24 | 224 | 15 | | 151 | 166 | 20,913 | 110 | 13,596 | 34,509 | 39% |
| | Apr '24 | 225 | 14 | | 151 | 165 | 20,925 | 110 | 13,618 | 34,543 | 39% |
| | May '24 | 226 | 10 | | 151 | 161 | 20,935 | 120 | 13,544 | 34,479 | 39% |
| | Jun '24 | 227 | 1 | | 151 | 152 | 20,936 | 120 | 13,474 | 34,410 | 39% |

P L A N N E D



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 |
|-----------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|-----|----------------------------|
| 2024/2025 | Jul '24 | 228 | 5 | 151 | 156 | 20,941 | 120 | 13,594 | 34,535 | 39% | P L A N E D |
| | Aug '24 | 229 | 4 | 151 | 155 | 20,945 | 120 | 13,632 | 34,577 | 39% | |
| | Sep '24 | 230 | 6 | 151 | 157 | 20,951 | 120 | 13,680 | 34,631 | 40% | |
| | Oct '24 | 231 | 19 | 151 | 170 | 20,970 | 110 | 13,584 | 34,554 | 39% | |
| | Nov '24 | 232 | 17 | 151 | 168 | 20,980 | 110 | 13,521 | 34,501 | 39% | |
| | Dec '24 | 233 | 49 | 151 | 200 | 20,884 | 80 | 13,534 | 34,418 | 39% | |
| | Jan '25 | 234 | 48 | 151 | 199 | 20,908 | 80 | 13,470 | 34,378 | 39% | |
| | Feb '25 | 235 | 44 | 151 | 195 | 20,936 | 80 | 13,503 | 34,439 | 39% | |
| | Mar '25 | 236 | 15 | 151 | 166 | 20,949 | 110 | 13,533 | 34,482 | 39% | |
| | Apr '25 | 237 | 14 | 151 | 165 | 20,960 | 110 | 13,553 | 34,513 | 39% | |
| May '25 | 238 | 10 | 151 | 161 | 20,970 | 120 | 13,512 | 34,482 | 39% | | |
| Jun '25 | 239 | 1 | 151 | 152 | 20,971 | 120 | 13,606 | 34,577 | 39% | | |
| 2025/2026 | Jul '25 | 240 | 5 | 151 | 156 | 20,976 | 120 | 13,672 | 34,648 | 39% | |
| | Aug '25 | 241 | 4 | 151 | 155 | 20,980 | 120 | 13,636 | 34,616 | 39% | |
| | Sep '25 | 242 | 6 | 151 | 157 | 20,946 | 120 | 13,380 | 34,326 | 39% | |
| | Oct '25 | 243 | 19 | 151 | 170 | 20,860 | 110 | 13,141 | 34,001 | 39% | |
| | Nov '25 | 244 | 17 | 151 | 168 | 20,847 | 110 | 12,989 | 33,836 | 38% | |
| | Dec '25 | 245 | 49 | 151 | 200 | 20,837 | 80 | 12,786 | 33,623 | 38% | |
| | Jan '26 | 246 | 48 | 151 | 199 | 20,814 | 80 | 12,791 | 33,605 | 38% | |
| | Feb '26 | 247 | 44 | 151 | 195 | 20,851 | 80 | 12,761 | 33,612 | 38% | |
| | Mar '26 | 248 | 15 | 151 | 166 | 20,828 | 110 | 12,797 | 33,625 | 38% | |
| | Apr '26 | 249 | 14 | 151 | 165 | 20,842 | 110 | 12,810 | 33,652 | 38% | |
| May '26 | 250 | 10 | 151 | 161 | 20,837 | 120 | 12,817 | 33,654 | 38% | | |
| Jun '26 | 251 | 1 | 151 | 152 | 20,838 | 120 | 12,780 | 33,618 | 38% | | |
| 2026/2027 | Jul '26 | 252 | 5 | 151 | 156 | 20,843 | 120 | 12,717 | 33,560 | 38% | |
| | Aug '26 | 253 | 4 | 151 | 155 | 20,847 | 120 | 12,788 | 33,635 | 38% | |
| | Sep '26 | 254 | 6 | 151 | 157 | 20,853 | 120 | 12,811 | 33,664 | 38% | |
| | Oct '26 | 255 | 19 | 151 | 170 | 20,866 | 110 | 12,806 | 33,672 | 38% | |
| | Nov '26 | 256 | 17 | 151 | 168 | 20,862 | 110 | 12,861 | 33,723 | 38% | |
| | Dec '26 | 257 | 49 | 151 | 200 | 20,840 | 80 | 12,940 | 33,780 | 38% | |
| | Jan '27 | 258 | 48 | 151 | 199 | 20,838 | 80 | 13,020 | 33,858 | 38% | |
| | Feb '27 | 259 | 44 | 151 | 195 | 20,864 | 80 | 13,100 | 33,964 | 39% | |
| | Mar '27 | 260 | 15 | 151 | 166 | 20,879 | 110 | 13,210 | 34,089 | 39% | |
| | Apr '27 | 261 | 14 | 151 | 165 | 20,893 | 110 | 13,320 | 34,213 | 39% | |
| May '27 | 262 | 10 | 151 | 161 | 20,903 | 120 | 13,440 | 34,343 | 39% | | |
| Jun '27 | 263 | 1 | 151 | 152 | 20,904 | 120 | 13,560 | 34,464 | 39% | | |
| 2027/28 | Jul '27 | 264 | 4 | 151 | 155 | 20,908 | 120 | 13,680 | 34,588 | 40% | |
| | Aug '27 | 265 | 6 | 151 | 157 | 20,912 | 120 | 13,669 | 34,581 | 40% | |
| | Sep '27 | 266 | 19 | 151 | 170 | 20,796 | 120 | 13,628 | 34,424 | 40% | |
| | Oct '27 | 267 | 17 | 151 | 168 | 20,690 | 110 | 13,497 | 34,187 | 39% | |
| | Nov '27 | 268 | 49 | 151 | 200 | 20,739 | 110 | 13,144 | 33,883 | 39% | |
| | Dec '27 | 269 | 48 | 151 | 199 | 20,647 | 80 | 12,972 | 33,619 | 39% | |
| | Jan '28 | 270 | 44 | 151 | 195 | 20,483 | 80 | 12,926 | 33,409 | 39% | |
| | Feb '28 | 271 | 15 | 151 | 166 | 20,487 | 80 | 12,800 | 33,287 | 38% | |
| | Mar '28 | 272 | 14 | 151 | 165 | 20,486 | 110 | 12,800 | 33,286 | 38% | |
| | Apr '28 | 273 | 10 | 151 | 161 | 20,482 | 110 | 12,800 | 33,282 | 38% | |
| May '28 | 274 | 1 | 151 | 152 | 20,473 | 120 | 12,800 | 33,273 | 38% | | |
| Jun '28 | 275 | 4 | 151 | 155 | 20,476 | 120 | 12,800 | 33,276 | 38% | | |

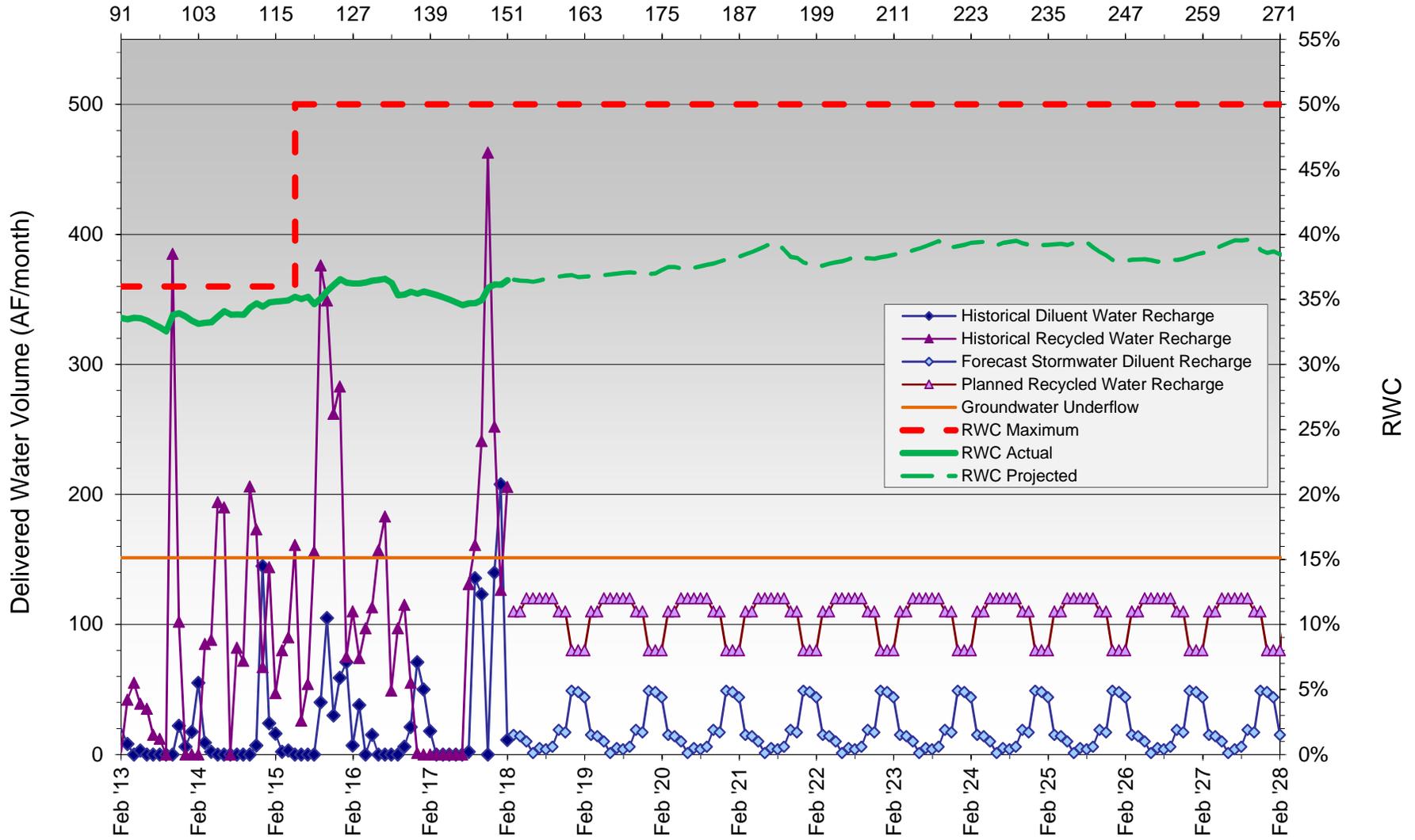
Notes:

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

Months Since Initial Recycled Water Delivery



HISTORICAL RECHARGE

PLANNED RECHARGE



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 47 | 1 | 0 | 509 | 510 | 26,187 | 33 | 5,542 | 31,729 | 17% |
| | Aug '12 | 48 | 2 | 0 | 509 | 511 | 26,699 | 39 | 5,581 | 32,280 | 17% |
| | Sep '12 | 49 | 2 | 0 | 509 | 511 | 27,210 | 51 | 5,632 | 32,842 | 17% |
| | Oct '12 | 50 | 0 | 0 | 509 | 509 | 27,719 | 0 | 5,632 | 33,351 | 17% |
| | Nov '12 | 51 | 0 | 0 | 509 | 509 | 28,228 | 0 | 5,632 | 33,860 | 17% |
| | Dec '12 | 52 | 0 | 0 | 509 | 509 | 28,737 | 0 | 5,632 | 34,369 | 16% |
| | Jan '13 | 53 | 35 | 0 | 509 | 544 | 29,282 | 342 | 5,974 | 35,256 | 17% |
| | Feb '13 | 54 | 26 | 0 | 509 | 535 | 29,817 | 299 | 6,273 | 36,090 | 17% |
| | Mar '13 | 55 | 32 | 0 | 509 | 541 | 30,358 | 238 | 6,511 | 36,869 | 18% |
| | Apr '13 | 56 | 0 | 0 | 509 | 509 | 30,867 | 231 | 6,742 | 37,609 | 18% |
| | May '13 | 57 | 17 | 0 | 509 | 526 | 31,394 | 152 | 6,894 | 38,288 | 18% |
| | Jun '13 | 58 | 1 | 0 | 509 | 510 | 31,904 | 120 | 7,014 | 38,918 | 18% |
| 2013/14 | Jul '13 | 59 | 1 | 0 | 509 | 510 | 32,414 | 169 | 7,183 | 39,597 | 18% |
| | Aug '13 | 60 | 1 | 0 | 509 | 510 | 32,924 | 197 | 7,380 | 40,304 | 18% |
| | Sep '13 | 61 | 28 | 0 | 509 | 537 | 33,461 | 182 | 7,562 | 41,023 | 18% |
| | Oct '13 | 62 | 23 | 0 | 509 | 532 | 33,994 | 108 | 7,670 | 41,664 | 18% |
| | Nov '13 | 63 | 4 | 0 | 509 | 513 | 34,507 | 94 | 7,764 | 42,271 | 18% |
| | Dec '13 | 64 | 8 | 0 | 509 | 517 | 35,024 | 104 | 7,868 | 42,892 | 18% |
| | Jan '14 | 65 | 3 | 0 | 509 | 512 | 35,536 | 109 | 7,977 | 43,513 | 18% |
| | Feb '14 | 66 | 47 | 0 | 509 | 556 | 36,093 | 102 | 8,079 | 44,172 | 18% |
| | Mar '14 | 67 | 12 | 0 | 509 | 521 | 36,614 | 130 | 8,209 | 44,823 | 18% |
| | Apr '14 | 68 | 14 | 0 | 509 | 523 | 37,137 | 65 | 8,274 | 45,411 | 18% |
| | May '14 | 69 | 0 | 0 | 509 | 509 | 37,646 | 0 | 8,274 | 45,920 | 18% |
| | Jun '14 | 70 | 19 | 0 | 509 | 528 | 38,174 | 48 | 8,322 | 46,496 | 18% |
| 2014/15 | Jul '14 | 71 | 7 | 0 | 509 | 516 | 38,691 | 72 | 8,394 | 47,085 | 18% |
| | Aug '14 | 72 | 1 | 0 | 509 | 510 | 39,201 | 141 | 8,535 | 47,736 | 18% |
| | Sep '14 | 73 | 1 | 0 | 509 | 510 | 39,711 | 157 | 8,692 | 48,403 | 18% |
| | Oct '14 | 74 | 6 | 0 | 509 | 515 | 40,226 | 56 | 8,748 | 48,974 | 18% |
| | Nov '14 | 75 | 28 | 0 | 509 | 537 | 40,764 | 37 | 8,785 | 49,549 | 18% |
| | Dec '14 | 76 | 95 | 0 | 509 | 604 | 41,368 | 0 | 8,785 | 50,153 | 18% |
| | Jan '15 | 77 | 19 | 0 | 509 | 528 | 41,896 | 10 | 8,795 | 50,691 | 17% |
| | Feb '15 | 78 | 27 | 0 | 509 | 536 | 42,432 | 92 | 8,887 | 51,319 | 17% |
| | Mar '15 | 79 | 13 | 0 | 509 | 522 | 42,955 | 69 | 8,956 | 51,911 | 17% |
| | Apr '15 | 80 | 10 | 0 | 509 | 519 | 43,474 | 101 | 9,057 | 52,531 | 17% |
| | May '15 | 81 | 21 | 0 | 509 | 530 | 44,004 | 120 | 9,177 | 53,181 | 17% |
| | Jun '15 | 82 | 0 | 0 | 509 | 509 | 44,513 | 156 | 9,333 | 53,846 | 17% |
| 2015/16 | Jul '15 | 83 | 0 | 0 | 509 | 509 | 44,990 | 63 | 9,396 | 54,386 | 17% |
| | Aug '15 | 84 | 0 | 0 | 509 | 509 | 45,324 | 0 | 9,396 | 54,720 | 17% |
| | Sep '15 | 85 | 1 | 0 | 509 | 510 | 45,148 | 0 | 9,396 | 54,544 | 17% |
| | Oct '15 | 86 | 0 | 0 | 509 | 509 | 45,530 | 0 | 9,396 | 54,926 | 17% |
| | Nov '15 | 87 | 1 | 0 | 509 | 510 | 45,650 | 0 | 9,396 | 55,046 | 17% |
| | Dec '15 | 88 | 0 | 0 | 509 | 509 | 45,796 | 101 | 9,497 | 55,293 | 17% |
| | Jan '16 | 89 | 54 | 0 | 509 | 563 | 46,103 | 254 | 9,751 | 55,854 | 17% |
| | Feb '16 | 90 | 91 | 0 | 509 | 600 | 46,310 | 116 | 9,867 | 56,177 | 18% |
| | Mar '16 | 91 | 91 | 0 | 509 | 600 | 46,696 | 211 | 10,078 | 56,774 | 18% |
| | Apr '16 | 92 | 13 | 0 | 509 | 522 | 46,956 | 192 | 10,270 | 57,226 | 18% |
| | May '16 | 93 | 1 | 0 | 509 | 510 | 47,166 | 278 | 10,548 | 57,714 | 18% |
| | Jun '16 | 94 | 0 | 0 | 509 | 509 | 47,304 | 0 | 10,548 | 57,852 | 18% |
| 2016/17 | Jul '16 | 95 | 0 | 0 | 509 | 509 | 47,607 | 0 | 10,548 | 58,155 | 18% |
| | Aug '16 | 96 | 0 | 0 | 509 | 509 | 47,965 | 0 | 10,548 | 58,513 | 18% |
| | Sep '16 | 97 | 31 | 0 | 509 | 540 | 48,163 | 145 | 10,693 | 58,856 | 18% |
| | Oct '16 | 98 | 17 | 170 | 509 | 696 | 48,552 | 19 | 10,712 | 59,264 | 18% |
| | Nov '16 | 99 | 39 | 0 | 509 | 548 | 48,813 | 116 | 10,828 | 59,641 | 18% |
| | Dec '16 | 100 | 196 | 0 | 509 | 705 | 49,256 | 13 | 10,841 | 60,097 | 18% |
| | Jan '17 | 101 | 254 | 0 | 509 | 763 | 49,907 | 0 | 10,841 | 60,748 | 18% |
| | Feb '17 | 102 | 142 | 0 | 509 | 651 | 50,429 | 0 | 10,841 | 61,270 | 18% |
| | Mar '17 | 103 | 1 | 0 | 509 | 510 | 50,936 | 16 | 10,857 | 61,793 | 18% |
| | Apr '17 | 104 | 0 | 16 | 509 | 525 | 51,359 | 8 | 10,865 | 62,224 | 17% |
| | May '17 | 105 | 1 | 0 | 509 | 510 | 51,865 | 38 | 10,903 | 62,768 | 17% |
| | Jun '17 | 106 | 0 | 2 | 509 | 511 | 52,374 | 30 | 10,933 | 63,307 | 17% |
| 2017/18 | Jul '17 | 107 | 0 | 94 | 509 | 603 | 52,977 | 228 | 11,161 | 64,138 | 17% |
| | Aug '17 | 108 | 0 | 96 | 509 | 605 | 53,582 | 55 | 11,216 | 64,798 | 17% |
| | Sep '17 | 109 | 1 | 3 | 509 | 513 | 54,070 | 169 | 11,385 | 65,455 | 17% |
| | Oct '17 | 110 | 1 | 0 | 509 | 510 | 54,546 | 99 | 11,484 | 66,030 | 17% |
| | Nov '17 | 111 | 3 | 0 | 509 | 512 | 55,034 | 151 | 11,636 | 66,670 | 17% |
| | Dec '17 | 112 | 1 | 0 | 509 | 510 | 55,502 | 122 | 11,758 | 67,260 | 17% |
| | Jan '18 | 113 | 28 | 5 | 509 | 542 | 55,762 | 94 | 11,852 | 67,614 | 18% |
| | Feb '18 | 114 | 9 | 0 | 509 | 518 | 56,230 | 106 | 11,958 | 68,188 | 18% |
| | Mar '18 | 115 | 0 | 0 | 509 | 509 | 56,731 | 150 | 12,108 | 68,839 | 18% |
| | Apr '18 | 116 | 0 | 0 | 509 | 509 | 57,236 | 150 | 12,258 | 69,494 | 18% |
| May '18 | 117 | 0 | 0 | 509 | 509 | 57,702 | 150 | 12,408 | 70,110 | 18% | |
| Jun '18 | 118 | 0 | 0 | 509 | 509 | 58,208 | 150 | 12,558 | 70,766 | 18% | |

HISTORICAL



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 | 4 | | 509 | 513 | 58,719 | 150 | 12,708 | 71,427 | 18% |
| | Aug '18 | 120 | 5 | | 509 | 514 | 59,217 | 150 | 12,741 | 71,958 | 18% |
| | Sep '18 | 121 | 9 | | 509 | 518 | 59,735 | 140 | 12,795 | 72,530 | 18% |
| | Oct '18 | 122 | 12 | | 509 | 521 | 60,256 | 140 | 12,769 | 73,025 | 17% |
| | Nov '18 | 123 | 24 | | 509 | 533 | 60,766 | 130 | 12,796 | 73,562 | 17% |
| | Dec '18 | 124 | 76 | | 509 | 585 | 61,190 | 70 | 12,778 | 73,968 | 17% |
| | Jan '19 | 125 | 88 | | 509 | 597 | 61,762 | 60 | 12,561 | 74,323 | 17% |
| | Feb '19 | 126 | 96 | | 509 | 605 | 62,159 | 50 | 12,591 | 74,750 | 17% |
| | Mar '19 | 127 | 0 | | 509 | 509 | 62,638 | 150 | 12,582 | 75,220 | 17% |
| | Apr '19 | 128 | 0 | | 509 | 509 | 63,147 | 150 | 12,436 | 75,583 | 16% |
| | May '19 | 129 | 0 | | 509 | 509 | 63,639 | 150 | 12,471 | 76,110 | 16% |
| | Jun '19 | 130 | 0 | | 509 | 509 | 64,148 | 150 | 12,443 | 76,591 | 16% |
| 2019/20 | Jul '19 | 131 | 4 | | 509 | 513 | 64,660 | 150 | 12,587 | 77,247 | 16% |
| | Aug '19 | 132 | 5 | | 509 | 514 | 65,174 | 150 | 12,729 | 77,904 | 16% |
| | Sep '19 | 133 | 9 | | 509 | 518 | 65,693 | 140 | 12,869 | 78,562 | 16% |
| | Oct '19 | 134 | 12 | | 509 | 521 | 65,692 | 140 | 12,825 | 78,517 | 16% |
| | Nov '19 | 135 | 24 | | 509 | 533 | 65,712 | 130 | 12,709 | 78,421 | 16% |
| | Dec '19 | 136 | 76 | | 509 | 585 | 65,659 | 70 | 12,635 | 78,294 | 16% |
| | Jan '20 | 137 | 88 | | 509 | 597 | 65,496 | 60 | 12,621 | 78,117 | 16% |
| | Feb '20 | 138 | 96 | | 509 | 605 | 65,377 | 50 | 12,617 | 77,994 | 16% |
| | Mar '20 | 139 | 0 | | 509 | 509 | 65,350 | 150 | 12,587 | 77,937 | 16% |
| | Apr '20 | 140 | 0 | | 509 | 509 | 65,327 | 150 | 12,502 | 77,829 | 16% |
| | May '20 | 141 | 0 | | 509 | 509 | 65,325 | 150 | 12,296 | 77,621 | 16% |
| | Jun '20 | 142 | 0 | | 509 | 509 | 65,324 | 150 | 12,238 | 77,562 | 16% |
| 2020/21 | Jul '20 | 143 | 4 | | 509 | 513 | 65,327 | 150 | 12,241 | 77,568 | 16% |
| | Aug '20 | 144 | 5 | | 509 | 514 | 65,314 | 150 | 12,116 | 77,430 | 16% |
| | Sep '20 | 145 | 9 | | 509 | 518 | 65,322 | 140 | 12,115 | 77,437 | 16% |
| | Oct '20 | 146 | 12 | | 509 | 521 | 65,310 | 140 | 12,125 | 77,435 | 16% |
| | Nov '20 | 147 | 24 | | 509 | 533 | 65,290 | 130 | 12,168 | 77,458 | 16% |
| | Dec '20 | 148 | 76 | | 509 | 585 | 65,084 | 70 | 12,204 | 77,288 | 16% |
| | Jan '21 | 149 | 88 | | 509 | 597 | 65,060 | 60 | 12,264 | 77,324 | 16% |
| | Feb '21 | 150 | 96 | | 509 | 605 | 64,992 | 50 | 12,314 | 77,306 | 16% |
| | Mar '21 | 151 | 0 | | 509 | 509 | 64,850 | 150 | 12,464 | 77,314 | 16% |
| | Apr '21 | 152 | 0 | | 509 | 509 | 64,849 | 150 | 12,440 | 77,289 | 16% |
| | May '21 | 153 | 0 | | 509 | 509 | 64,839 | 150 | 12,428 | 77,267 | 16% |
| | Jun '21 | 154 | 0 | | 509 | 509 | 64,838 | 150 | 12,355 | 77,193 | 16% |
| 2021/22 | Jul '21 | 155 | 4 | | 509 | 513 | 64,604 | 150 | 12,505 | 77,109 | 16% |
| | Aug '21 | 156 | 5 | | 509 | 514 | 64,424 | 150 | 12,655 | 77,079 | 16% |
| | Sep '21 | 157 | 9 | | 509 | 518 | 64,279 | 140 | 12,795 | 77,074 | 17% |
| | Oct '21 | 158 | 12 | | 509 | 521 | 64,273 | 140 | 12,855 | 77,128 | 17% |
| | Nov '21 | 159 | 24 | | 509 | 533 | 64,247 | 130 | 12,949 | 77,196 | 17% |
| | Dec '21 | 160 | 76 | | 509 | 585 | 64,307 | 70 | 12,921 | 77,228 | 17% |
| | Jan '22 | 161 | 88 | | 509 | 597 | 64,350 | 60 | 12,839 | 77,189 | 17% |
| | Feb '22 | 162 | 96 | | 509 | 605 | 64,396 | 50 | 12,812 | 77,208 | 17% |
| | Mar '22 | 163 | 0 | | 509 | 509 | 64,293 | 150 | 12,877 | 77,170 | 17% |
| | Apr '22 | 164 | 0 | | 509 | 509 | 64,229 | 150 | 12,995 | 77,224 | 17% |
| | May '22 | 165 | 0 | | 509 | 509 | 64,228 | 150 | 13,020 | 77,248 | 17% |
| | Jun '22 | 166 | 0 | | 509 | 509 | 64,228 | 150 | 13,009 | 77,237 | 17% |
| 2022/23 | Jul '22 | 167 | 4 | | 509 | 513 | 64,231 | 150 | 13,126 | 77,357 | 17% |
| | Aug '22 | 168 | 5 | | 509 | 514 | 64,234 | 150 | 13,237 | 77,471 | 17% |
| | Sep '22 | 169 | 9 | | 509 | 518 | 64,241 | 140 | 13,326 | 77,567 | 17% |
| | Oct '22 | 170 | 12 | | 509 | 521 | 64,253 | 140 | 13,466 | 77,719 | 17% |
| | Nov '22 | 171 | 24 | | 509 | 533 | 64,277 | 130 | 13,596 | 77,873 | 17% |
| | Dec '22 | 172 | 76 | | 509 | 585 | 64,353 | 70 | 13,666 | 78,019 | 18% |
| | Jan '23 | 173 | 88 | | 509 | 597 | 64,406 | 60 | 13,384 | 77,790 | 17% |
| | Feb '23 | 174 | 96 | | 509 | 605 | 64,476 | 50 | 13,135 | 77,611 | 17% |
| | Mar '23 | 175 | 0 | | 509 | 509 | 64,444 | 150 | 13,047 | 77,491 | 17% |
| | Apr '23 | 176 | 0 | | 509 | 509 | 64,444 | 150 | 12,966 | 77,410 | 17% |
| | May '23 | 177 | 0 | | 509 | 509 | 64,427 | 150 | 12,964 | 77,391 | 17% |
| | Jun '23 | 178 | 0 | | 509 | 509 | 64,426 | 150 | 12,994 | 77,420 | 17% |
| 2023/24 | Jul '23 | 179 | 4 | | 509 | 513 | 64,429 | 150 | 12,975 | 77,404 | 17% |
| | Aug '23 | 180 | 5 | | 509 | 514 | 64,433 | 150 | 12,928 | 77,361 | 17% |
| | Sep '23 | 181 | 9 | | 509 | 518 | 64,414 | 140 | 12,886 | 77,300 | 17% |
| | Oct '23 | 182 | 12 | | 509 | 521 | 64,403 | 140 | 12,918 | 77,321 | 17% |
| | Nov '23 | 183 | 24 | | 509 | 533 | 64,423 | 130 | 12,954 | 77,377 | 17% |
| | Dec '23 | 184 | 76 | | 509 | 585 | 64,491 | 70 | 12,920 | 77,411 | 17% |
| | Jan '24 | 185 | 88 | | 509 | 597 | 64,576 | 60 | 12,871 | 77,447 | 17% |
| | Feb '24 | 186 | 96 | | 509 | 605 | 64,625 | 50 | 12,819 | 77,444 | 17% |
| | Mar '24 | 187 | 0 | | 509 | 509 | 64,613 | 150 | 12,839 | 77,452 | 17% |
| | Apr '24 | 188 | 0 | | 509 | 509 | 64,599 | 150 | 12,924 | 77,523 | 17% |
| | May '24 | 189 | 0 | | 509 | 509 | 64,599 | 150 | 13,074 | 77,673 | 17% |
| | Jun '24 | 190 | 0 | | 509 | 509 | 64,580 | 150 | 13,176 | 77,756 | 17% |

P L A N E D



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 | |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|----------------------------|
| 2024/25 | Jul '24 | 191 | 4 | | 509 | 513 | 64,577 | 150 | 13,254 | 77,831 | 17% | P L A N E D |
| | Aug '24 | 192 | 5 | | 509 | 514 | 64,581 | 150 | 13,263 | 77,844 | 17% | |
| | Sep '24 | 193 | 9 | | 509 | 518 | 64,589 | 140 | 13,246 | 77,835 | 17% | |
| | Oct '24 | 194 | 12 | | 509 | 521 | 64,595 | 140 | 13,330 | 77,925 | 17% | |
| | Nov '24 | 195 | 24 | | 509 | 533 | 64,591 | 130 | 13,423 | 78,014 | 17% | |
| | Dec '24 | 196 | 76 | | 509 | 585 | 64,572 | 70 | 13,493 | 78,065 | 17% | |
| | Jan '25 | 197 | 88 | | 509 | 597 | 64,641 | 60 | 13,543 | 78,184 | 17% | |
| | Feb '25 | 198 | 96 | | 509 | 605 | 64,710 | 50 | 13,501 | 78,211 | 17% | |
| | Mar '25 | 199 | 0 | | 509 | 509 | 64,697 | 150 | 13,582 | 78,279 | 17% | |
| | Apr '25 | 200 | 0 | | 509 | 509 | 64,687 | 150 | 13,631 | 78,318 | 17% | |
| May '25 | 201 | 0 | | 509 | 509 | 64,666 | 150 | 13,661 | 78,327 | 17% | | |
| Jun '25 | 202 | 0 | | 509 | 509 | 64,666 | 150 | 13,655 | 78,321 | 17% | | |
| 2025/26 | Jul '25 | 203 | 4 | | 509 | 513 | 64,670 | 150 | 13,742 | 78,412 | 18% | |
| | Aug '25 | 204 | 5 | | 509 | 514 | 64,675 | 150 | 13,892 | 78,567 | 18% | |
| | Sep '25 | 205 | 9 | | 509 | 518 | 64,683 | 140 | 14,032 | 78,715 | 18% | |
| | Oct '25 | 206 | 12 | | 509 | 521 | 64,695 | 140 | 14,172 | 78,867 | 18% | |
| | Nov '25 | 207 | 24 | | 509 | 533 | 64,718 | 130 | 14,302 | 79,020 | 18% | |
| | Dec '25 | 208 | 76 | | 509 | 585 | 64,794 | 70 | 14,271 | 79,065 | 18% | |
| | Jan '26 | 209 | 88 | | 509 | 597 | 64,828 | 60 | 14,077 | 78,905 | 18% | |
| | Feb '26 | 210 | 96 | | 509 | 605 | 64,833 | 50 | 14,011 | 78,844 | 18% | |
| | Mar '26 | 211 | 0 | | 509 | 509 | 64,742 | 150 | 13,950 | 78,692 | 18% | |
| | Apr '26 | 212 | 0 | | 509 | 509 | 64,729 | 150 | 13,908 | 78,637 | 18% | |
| May '26 | 213 | 0 | | 509 | 509 | 64,728 | 150 | 13,780 | 78,508 | 18% | | |
| Jun '26 | 214 | 0 | | 509 | 509 | 64,728 | 150 | 13,930 | 78,658 | 18% | | |
| 2026/27 | Jul '26 | 215 | 4 | | 509 | 513 | 64,732 | 150 | 14,080 | 78,812 | 18% | |
| | Aug '26 | 216 | 5 | | 509 | 514 | 64,737 | 150 | 14,230 | 78,967 | 18% | |
| | Sep '26 | 217 | 9 | | 509 | 518 | 64,715 | 140 | 14,225 | 78,940 | 18% | |
| | Oct '26 | 218 | 12 | | 509 | 521 | 64,540 | 140 | 14,346 | 78,886 | 18% | |
| | Nov '26 | 219 | 24 | | 509 | 533 | 64,525 | 130 | 14,360 | 78,885 | 18% | |
| | Dec '26 | 220 | 76 | | 509 | 585 | 64,405 | 70 | 14,417 | 78,822 | 18% | |
| | Jan '27 | 221 | 88 | | 509 | 597 | 64,239 | 60 | 14,477 | 78,716 | 18% | |
| | Feb '27 | 222 | 96 | | 509 | 605 | 64,193 | 50 | 14,527 | 78,720 | 18% | |
| | Mar '27 | 223 | 0 | | 509 | 509 | 64,192 | 150 | 14,661 | 78,853 | 19% | |
| | Apr '27 | 224 | 0 | | 509 | 509 | 64,176 | 150 | 14,803 | 78,979 | 19% | |
| May '27 | 225 | 0 | | 509 | 509 | 64,175 | 150 | 14,915 | 79,090 | 19% | | |
| Jun '27 | 226 | 0 | | 509 | 509 | 64,173 | 150 | 15,035 | 79,208 | 19% | | |
| 2027/28 | Jul '27 | 227 | 4 | | 509 | 513 | 64,084 | 150 | 14,957 | 79,041 | 19% | |
| | Aug '27 | 228 | 5 | | 509 | 514 | 63,993 | 150 | 15,052 | 79,045 | 19% | |
| | Sep '27 | 229 | 9 | | 509 | 518 | 63,998 | 140 | 15,023 | 79,021 | 19% | |
| | Oct '27 | 230 | 12 | | 509 | 521 | 64,009 | 140 | 15,064 | 79,072 | 19% | |
| | Nov '27 | 231 | 24 | | 509 | 533 | 64,030 | 130 | 15,042 | 79,072 | 19% | |
| | Dec '27 | 232 | 76 | | 509 | 585 | 64,105 | 70 | 14,990 | 79,095 | 19% | |
| | Jan '28 | 233 | 88 | | 509 | 597 | 64,160 | 60 | 14,956 | 79,116 | 19% | |
| | Feb '28 | 234 | 96 | | 509 | 605 | 64,247 | 50 | 14,900 | 79,147 | 19% | |
| | Mar '28 | 235 | 0 | | 509 | 509 | 64,247 | 150 | 14,900 | 79,147 | 19% | |
| | Apr '28 | 236 | 0 | | 509 | 509 | 64,247 | 150 | 14,900 | 79,147 | 19% | |
| May '28 | 237 | 0 | | 509 | 509 | 64,247 | 150 | 14,900 | 79,147 | 19% | | |
| Jun '28 | 238 | 0 | | 509 | 509 | 64,247 | 150 | 14,900 | 79,147 | 19% | | |

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.

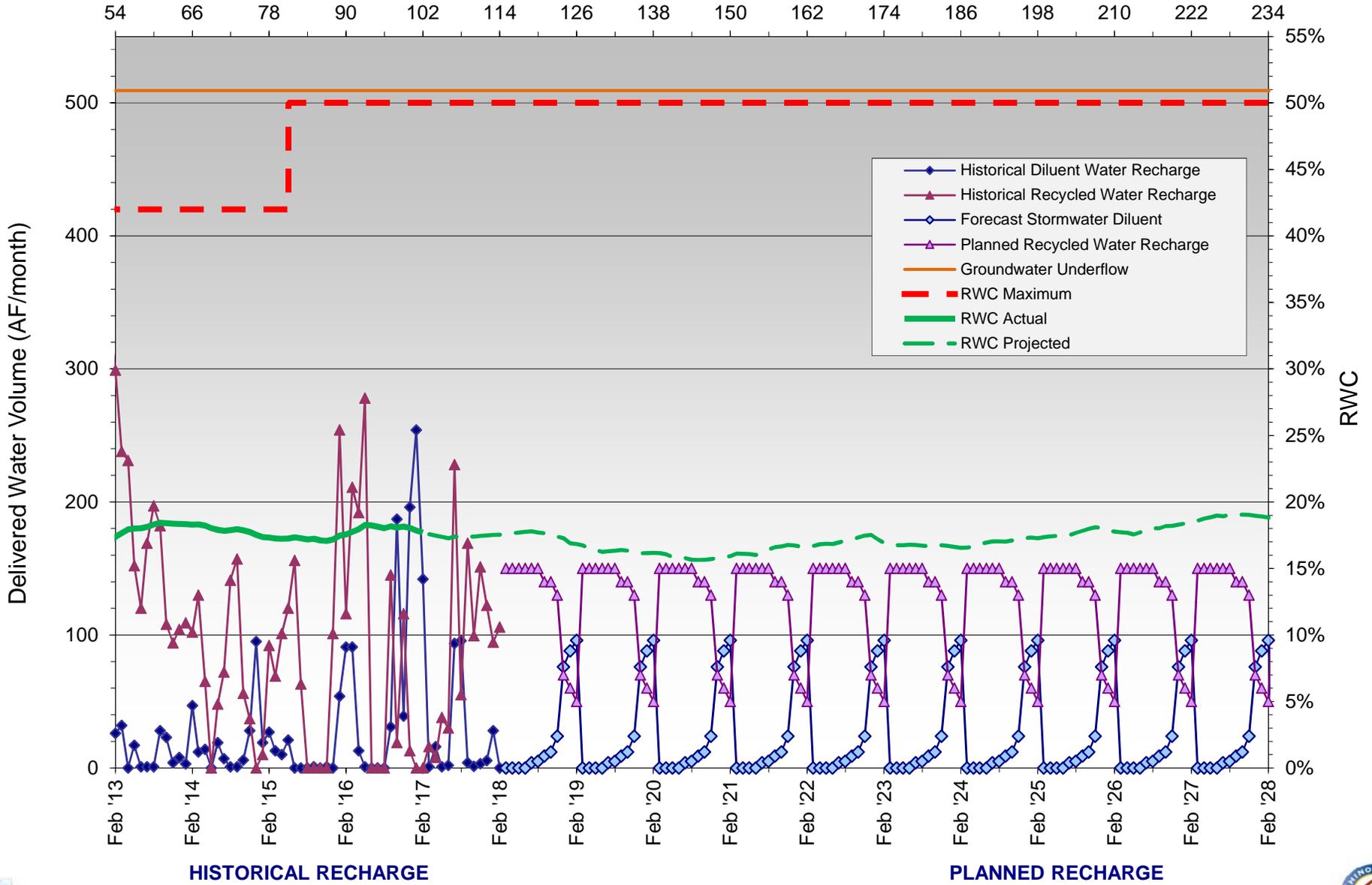
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



HISTORICAL RECHARGE

PLANNED RECHARGE



RWC Management Plan for Decluz 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 | |
|------------|------------------------------------|---------|----------|----------------|---------|-------------------------|---------|-------------------------|------------------------------|--------|--------|----|
| 2012/13 | Jul '12 | -41 | 1 | 0 | 0 | 1 | 5,136 | 0 | 65 | 5,201 | 1% | |
| | Aug '12 | -40 | 10 | 0 | 0 | 10 | 5,146 | 0 | 65 | 5,211 | 1% | |
| | Sep '12 | -39 | 15 | 0 | 0 | 15 | 5,161 | 0 | 65 | 5,226 | 1% | |
| | Oct '12 | -38 | 134 | 0 | 0 | 134 | 5,295 | 0 | 65 | 5,360 | 1% | |
| | Nov '12 | -37 | 21 | 0 | 0 | 21 | 5,316 | 0 | 65 | 5,381 | 1% | |
| | Dec '12 | -36 | 168 | 0 | 0 | 168 | 5,484 | 0 | 65 | 5,549 | 1% | |
| | Jan '13 | -35 | 48 | 0 | 0 | 48 | 5,532 | 0 | 65 | 5,597 | 1% | |
| | Feb '13 | -34 | 58 | 0 | 0 | 58 | 5,590 | 0 | 65 | 5,655 | 1% | |
| | Mar '13 | -33 | 61 | 0 | 0 | 61 | 5,651 | 0 | 65 | 5,716 | 1% | |
| | Apr '13 | -32 | 4 | 0 | 0 | 4 | 5,655 | 0 | 65 | 5,720 | 1% | |
| | May '13 | -31 | 6 | 0 | 0 | 6 | 5,661 | 0 | 65 | 5,726 | 1% | |
| | Jun '13 | -30 | 4 | 0 | 0 | 4 | 5,665 | 0 | 65 | 5,730 | 1% | |
| 2013/14 | Jul '13 | -29 | 6 | 0 | 0 | 6 | 5,671 | 0 | 65 | 5,736 | 1% | |
| | Aug '13 | -28 | 3 | 0 | 0 | 3 | 5,674 | 0 | 65 | 5,739 | 1% | |
| | Sep '13 | -27 | 2 | 0 | 0 | 2 | 5,676 | 0 | 65 | 5,741 | 1% | |
| | Oct '13 | -26 | 18 | 0 | 0 | 18 | 5,694 | 0 | 65 | 5,759 | 1% | |
| | Nov '13 | -25 | 52 | 0 | 0 | 52 | 5,746 | 0 | 65 | 5,811 | 1% | |
| | Dec '13 | -24 | 66 | 0 | 0 | 66 | 5,812 | 0 | 65 | 5,877 | 1% | |
| | Jan '14 | -23 | 3 | 99 | 0 | 102 | 5,914 | 0 | 65 | 5,979 | 1% | |
| | Feb '14 | -22 | 24 | 152 | 0 | 176 | 6,090 | 0 | 65 | 6,155 | 1% | |
| | Mar '14 | -21 | 56 | 117 | 0 | 173 | 6,263 | 0 | 65 | 6,328 | 1% | |
| | Apr '14 | -20 | 108 | 7 | 0 | 115 | 6,378 | 0 | 65 | 6,443 | 1% | |
| | May '14 | -19 | 1 | 0 | 0 | 1 | 6,379 | 0 | 65 | 6,444 | 1% | |
| | Jun '14 | -18 | 2 | 0 | 0 | 2 | 6,381 | 0 | 65 | 6,446 | 1% | |
| 2014/15 | Jul '14 | -17 | 2 | 0 | 0 | 2 | 6,383 | 0 | 65 | 6,448 | 1% | |
| | Aug '14 | -16 | 72 | 0 | 0 | 72 | 6,455 | 0 | 65 | 6,520 | 1% | |
| | Sep '14 | -15 | 30 | 0 | 0 | 30 | 6,485 | 0 | 65 | 6,550 | 1% | |
| | Oct '14 | -14 | 3 | 0 | 0 | 3 | 6,488 | 0 | 65 | 6,553 | 1% | |
| | Nov '14 | -13 | 100 | 0 | 0 | 100 | 6,588 | 0 | 65 | 6,653 | 1% | |
| | Dec '14 | -12 | 315 | 0 | 0 | 315 | 6,903 | 0 | 65 | 6,968 | 1% | |
| | Jan '15 | -11 | 47 | 0 | 0 | 47 | 6,950 | 0 | 65 | 7,015 | 1% | |
| | Feb '15 | -10 | 106 | 0 | 0 | 106 | 7,056 | 0 | 65 | 7,121 | 1% | |
| | Mar '15 | -9 | 15 | 0 | 0 | 15 | 7,071 | 0 | 65 | 7,136 | 1% | |
| | Apr '15 | -8 | 41 | 0 | 0 | 41 | 7,112 | 0 | 65 | 7,177 | 1% | |
| | May '15 | -7 | 99 | 0 | 0 | 99 | 7,211 | 0 | 65 | 7,276 | 1% | |
| | Jun '15 | -6 | 3 | 0 | 0 | 3 | 7,214 | 0 | 65 | 7,279 | 1% | |
| 2015/16 | Jul '15 | -5 | 49 | 0 | 0 | 49 | 7,252 | 0 | 65 | 7,317 | 1% | |
| | Aug '15 | -4 | 3 | 0 | 0 | 3 | 7,245 | 0 | 65 | 7,310 | 1% | |
| | Sep '15 | -3 | 147 | 0 | 0 | 147 | 7,362 | 0 | 65 | 7,427 | 1% | |
| | Oct '15 | -2 | 36 | 0 | 0 | 36 | 7,283 | 0 | 65 | 7,348 | 1% | |
| | Nov '15 | -1 | 4 | 0 | 0 | 4 | 7,257 | 0 | 65 | 7,322 | 1% | |
| 12/23/2015 | Dec '15 | 0 | 49 | 0 | 904 | 953 | 8,180 | 50 | 115 | 8,295 | 1% | |
| | Jan '16 | 1 | 158 | 0 | 904 | 1,062 | 9,207 | 78 | 193 | 9,400 | 2% | |
| | Feb '16 | 2 | 34 | 0 | 904 | 938 | 10,035 | 153 | 346 | 10,381 | 3% | |
| | Mar '16 | 3 | 92 | 0 | 904 | 996 | 10,840 | 126 | 472 | 11,312 | 4% | |
| | Apr '16 | 4 | 20 | 0 | 904 | 924 | 11,662 | 133 | 605 | 12,267 | 5% | |
| | May '16 | 5 | 12 | 0 | 904 | 916 | 12,520 | 228 | 833 | 13,353 | 6% | |
| | Jun '16 | 6 | 3 | 0 | 904 | 907 | 13,411 | 201 | 1,034 | 14,445 | 7% | |
| | 2016/17 | Jul '16 | 7 | 0 | 0 | 904 | 904 | 14,300 | 201 | 1,235 | 15,535 | 8% |
| | | Aug '16 | 8 | 0 | 0 | 904 | 904 | 15,184 | 261 | 1,496 | 16,680 | 9% |
| | | Sep '16 | 9 | 1 | 0 | 904 | 905 | 16,071 | 52 | 1,548 | 17,619 | 9% |
| | | Oct '16 | 10 | 47 | 0 | 904 | 951 | 16,988 | 0 | 1,548 | 18,536 | 8% |
| | | Nov '16 | 11 | 55 | 0 | 904 | 959 | 17,915 | 0 | 1,548 | 19,463 | 8% |
| Dec '16 | | 12 | 217 | 0 | 904 | 1,121 | 18,946 | 0 | 1,548 | 20,494 | 8% | |
| Jan '17 | | 13 | 167 | 0 | 904 | 1,071 | 19,934 | 0 | 1,548 | 21,482 | 7% | |
| Feb '17 | | 14 | 70 | 0 | 904 | 974 | 20,761 | 0 | 1,548 | 22,309 | 7% | |
| Mar '17 | | 15 | 20 | 0 | 904 | 924 | 21,663 | 0 | 1,548 | 23,211 | 7% | |
| Apr '17 | | 16 | 3 | 0 | 904 | 907 | 22,482 | 0 | 1,548 | 24,030 | 6% | |
| May '17 | | 17 | 24 | 0 | 904 | 928 | 23,392 | 0 | 1,548 | 24,940 | 6% | |
| Jun '17 | | 18 | 3 | 99 | 904 | 1,006 | 24,398 | 0 | 1,548 | 25,946 | 6% | |
| 2017/18 | Jul '17 | 19 | 7 | 45 | 904 | 956 | 25,353 | 0 | 1,548 | 26,901 | 6% | |
| | Aug '17 | 20 | 70 | 0 | 904 | 974 | 26,321 | 0 | 1,548 | 27,869 | 6% | |
| | Sep '17 | 21 | 6 | 20 | 904 | 930 | 27,218 | 0 | 1,548 | 28,766 | 5% | |
| | Oct '17 | 22 | 6 | 66 | 904 | 976 | 28,180 | 0 | 1,548 | 29,728 | 5% | |
| | Nov '17 | 23 | 6 | 0 | 904 | 910 | 28,982 | 0 | 1,548 | 30,530 | 5% | |
| | Dec '17 | 24 | 6 | 0 | 904 | 910 | 29,815 | 0 | 1,548 | 31,363 | 5% | |
| | Jan '18 | 25 | 136 | 0 | 904 | 1,040 | 30,599 | 0 | 1,548 | 32,147 | 5% | |
| | Feb '18 | 26 | 49 | 0 | 904 | 952 | 31,405 | 0 | 1,548 | 32,953 | 5% | |
| | Mar '18 | 27 | 81 | 0 | 904 | 985 | 32,363 | 0 | 1,548 | 33,911 | 5% | |
| | Apr '18 | 28 | 58 | 0 | 904 | 962 | 33,312 | 0 | 1,548 | 34,860 | 4% | |
| | May '18 | 29 | 24 | 0 | 904 | 928 | 34,203 | 170 | 1,718 | 35,921 | 5% | |
| | Jun '18 | 30 | 7 | 0 | 904 | 911 | 35,100 | 180 | 1,898 | 36,998 | 5% | |

HISTORICAL
START · JUDP



RWC Management Plan for Decluz 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 | 17 | 904 | 921 | 36,002 | 170 | 2,068 | 38,070 | 5% | P L A N N E D |
| | Aug '18 | 32 | 13 | 904 | 917 | 36,915 | 170 | 2,238 | 39,153 | 6% | |
| | Sep '18 | 33 | 25 | 904 | 929 | 37,836 | 170 | 2,408 | 40,244 | 6% | |
| | Oct '18 | 34 | 46 | 904 | 949 | 38,772 | 150 | 2,558 | 41,330 | 6% | |
| | Nov '18 | 35 | 61 | 904 | 964 | 39,663 | 130 | 2,688 | 42,351 | 6% | |
| | Dec '18 | 36 | 147 | 904 | 1,050 | 40,507 | 50 | 2,738 | 43,245 | 6% | |
| | Jan '19 | 37 | 86 | 904 | 990 | 41,471 | 100 | 2,838 | 44,309 | 6% | |
| | Feb '19 | 38 | 117 | 904 | 1,021 | 42,267 | 80 | 2,918 | 45,185 | 6% | |
| | Mar '19 | 39 | 81 | 904 | 985 | 43,201 | 110 | 3,028 | 46,229 | 7% | |
| | Apr '19 | 40 | 58 | 904 | 962 | 44,158 | 140 | 3,168 | 47,326 | 7% | |
| | May '19 | 41 | 24 | 904 | 928 | 45,079 | 170 | 3,338 | 48,417 | 7% | |
| | Jun '19 | 42 | 7 | 904 | 911 | 45,970 | 180 | 3,518 | 49,488 | 7% | |
| 2019/20 | Jul '19 | 43 | 17 | 904 | 921 | 46,870 | 170 | 3,688 | 50,558 | 7% | |
| | Aug '19 | 44 | 13 | 904 | 917 | 47,770 | 170 | 3,858 | 51,628 | 7% | |
| | Sep '19 | 45 | 25 | 904 | 929 | 48,693 | 170 | 4,028 | 52,721 | 8% | |
| | Oct '19 | 46 | 46 | 904 | 949 | 49,627 | 150 | 4,178 | 53,805 | 8% | |
| | Nov '19 | 47 | 61 | 904 | 964 | 50,553 | 130 | 4,308 | 54,861 | 8% | |
| | Dec '19 | 48 | 147 | 904 | 1,050 | 51,430 | 50 | 4,358 | 55,788 | 8% | |
| | Jan '20 | 49 | 86 | 904 | 990 | 52,347 | 100 | 4,458 | 56,805 | 8% | |
| | Feb '20 | 50 | 117 | 904 | 1,021 | 53,127 | 80 | 4,538 | 57,665 | 8% | |
| | Mar '20 | 51 | 81 | 904 | 985 | 54,056 | 110 | 4,648 | 58,704 | 8% | |
| | Apr '20 | 52 | 58 | 904 | 962 | 54,896 | 140 | 4,788 | 59,684 | 8% | |
| | May '20 | 53 | 24 | 904 | 928 | 55,818 | 170 | 4,958 | 60,776 | 8% | |
| | Jun '20 | 54 | 7 | 904 | 911 | 56,723 | 180 | 5,138 | 61,861 | 8% | |
| 2020/21 | Jul '20 | 55 | 17 | 904 | 921 | 57,641 | 170 | 5,308 | 62,949 | 8% | |
| | Aug '20 | 56 | 13 | 904 | 917 | 58,549 | 170 | 5,478 | 64,027 | 9% | |
| | Sep '20 | 57 | 25 | 904 | 929 | 59,476 | 170 | 5,648 | 65,124 | 9% | |
| | Oct '20 | 58 | 46 | 904 | 949 | 60,380 | 150 | 5,798 | 66,178 | 9% | |
| | Nov '20 | 59 | 61 | 904 | 964 | 61,250 | 130 | 5,928 | 67,178 | 9% | |
| | Dec '20 | 60 | 147 | 904 | 1,050 | 61,987 | 50 | 5,978 | 67,965 | 9% | |
| | Jan '21 | 61 | 86 | 904 | 990 | 62,925 | 100 | 6,078 | 69,003 | 9% | |
| | Feb '21 | 62 | 117 | 904 | 1,021 | 63,750 | 80 | 6,158 | 69,908 | 9% | |
| | Mar '21 | 63 | 81 | 904 | 985 | 64,597 | 110 | 6,268 | 70,865 | 9% | |
| | Apr '21 | 64 | 58 | 904 | 962 | 65,556 | 140 | 6,408 | 71,964 | 9% | |
| | May '21 | 65 | 24 | 904 | 928 | 66,470 | 170 | 6,578 | 73,048 | 9% | |
| | Jun '21 | 66 | 7 | 904 | 911 | 67,372 | 180 | 6,758 | 74,130 | 9% | |
| 2021/22 | Jul '21 | 67 | 17 | 904 | 921 | 68,212 | 170 | 6,928 | 75,140 | 9% | |
| | Aug '21 | 68 | 13 | 904 | 917 | 69,125 | 170 | 7,098 | 76,223 | 9% | |
| | Sep '21 | 69 | 25 | 904 | 929 | 70,048 | 170 | 7,268 | 77,316 | 9% | |
| | Oct '21 | 70 | 46 | 904 | 949 | 70,923 | 150 | 7,418 | 78,341 | 9% | |
| | Nov '21 | 71 | 61 | 904 | 964 | 71,768 | 130 | 7,548 | 79,316 | 10% | |
| | Dec '21 | 72 | 147 | 904 | 1,050 | 72,762 | 50 | 7,598 | 80,360 | 9% | |
| | Jan '22 | 73 | 86 | 904 | 990 | 73,665 | 100 | 7,633 | 81,298 | 9% | |
| | Feb '22 | 74 | 117 | 904 | 1,021 | 74,640 | 80 | 7,713 | 82,353 | 9% | |
| | Mar '22 | 75 | 81 | 904 | 985 | 75,441 | 110 | 7,823 | 83,264 | 9% | |
| | Apr '22 | 76 | 58 | 904 | 962 | 76,269 | 140 | 7,963 | 84,232 | 9% | |
| | May '22 | 77 | 24 | 904 | 928 | 77,190 | 170 | 8,133 | 85,323 | 10% | |
| | Jun '22 | 78 | 7 | 904 | 911 | 78,100 | 180 | 8,313 | 86,413 | 10% | |
| 2022/23 | Jul '22 | 79 | 17 | 904 | 921 | 79,020 | 170 | 8,483 | 87,503 | 10% | |
| | Aug '22 | 80 | 13 | 904 | 917 | 79,927 | 170 | 8,653 | 88,580 | 10% | |
| | Sep '22 | 81 | 25 | 904 | 929 | 80,840 | 170 | 8,823 | 89,663 | 10% | |
| | Oct '22 | 82 | 46 | 904 | 949 | 81,656 | 150 | 8,973 | 90,629 | 10% | |
| | Nov '22 | 83 | 61 | 904 | 964 | 82,599 | 130 | 9,103 | 91,702 | 10% | |
| | Dec '22 | 84 | 147 | 904 | 1,050 | 83,482 | 50 | 9,153 | 92,635 | 10% | |
| | Jan '23 | 85 | 86 | 904 | 990 | 84,424 | 100 | 9,253 | 93,677 | 10% | |
| | Feb '23 | 86 | 117 | 904 | 1,021 | 85,386 | 80 | 9,333 | 94,719 | 10% | |
| | Mar '23 | 87 | 81 | 904 | 985 | 86,310 | 110 | 9,443 | 95,753 | 10% | |
| | Apr '23 | 88 | 58 | 904 | 962 | 87,268 | 140 | 9,583 | 96,851 | 10% | |
| | May '23 | 89 | 24 | 904 | 928 | 88,189 | 170 | 9,753 | 97,942 | 10% | |
| | Jun '23 | 90 | 7 | 904 | 911 | 89,096 | 180 | 9,933 | 99,029 | 10% | |
| 2023/24 | Jul '23 | 91 | 17 | 904 | 921 | 90,011 | 170 | 10,103 | 100,114 | 10% | |
| | Aug '23 | 92 | 13 | 904 | 917 | 90,925 | 170 | 10,273 | 101,198 | 10% | |
| | Sep '23 | 93 | 25 | 904 | 929 | 91,851 | 170 | 10,443 | 102,294 | 10% | |
| | Oct '23 | 94 | 46 | 904 | 949 | 92,783 | 150 | 10,593 | 103,376 | 10% | |
| | Nov '23 | 95 | 61 | 904 | 964 | 93,695 | 130 | 10,723 | 104,418 | 10% | |
| | Dec '23 | 96 | 147 | 904 | 1,050 | 94,680 | 50 | 10,773 | 105,453 | 10% | |
| | Jan '24 | 97 | 86 | 904 | 990 | 95,568 | 100 | 10,873 | 106,441 | 10% | |
| | Feb '24 | 98 | 117 | 904 | 1,021 | 96,413 | 80 | 10,953 | 107,366 | 10% | |
| | Mar '24 | 99 | 81 | 904 | 985 | 97,225 | 110 | 11,063 | 108,288 | 10% | |
| | Apr '24 | 100 | 58 | 904 | 962 | 98,071 | 140 | 11,203 | 109,274 | 10% | |
| | May '24 | 101 | 24 | 904 | 928 | 98,998 | 170 | 11,373 | 110,371 | 10% | |
| | Jun '24 | 102 | 7 | 904 | 911 | 99,907 | 180 | 11,553 | 111,460 | 10% | |



RWC Management Plan for Declaz Basin

(120-month averaging period)

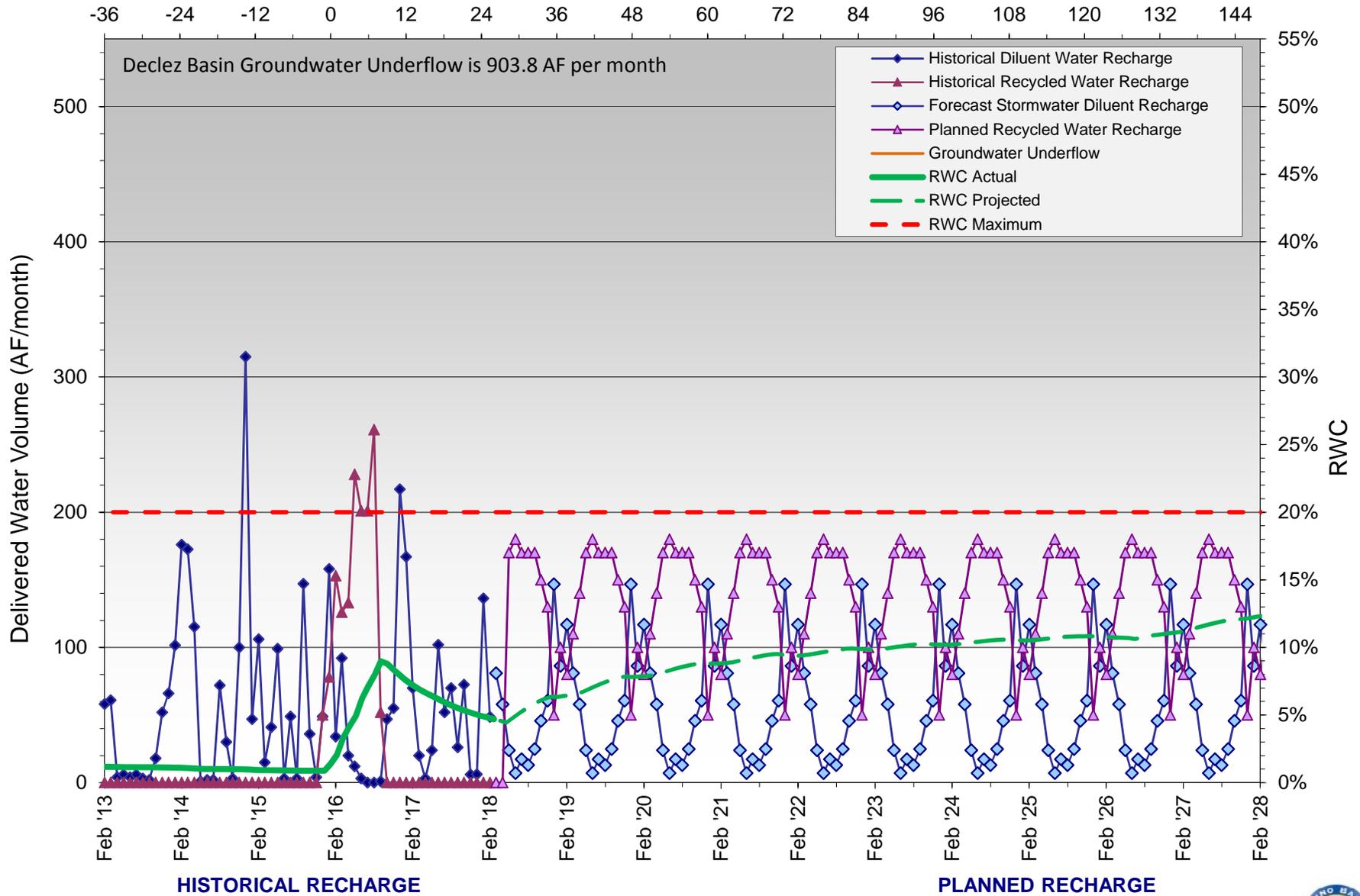
Calculation of Recycled Water Contribution (RWC) from Historical Diluent Water (DW) and Recycled Water (RW) Deliveries

| 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 | |
|---------|------------------------------------|---------|----------|----------------|---------|-------------------------|---------|-------------------------|------------------------------|---------|--------|-------------|
| 2024/25 | Jul '24 | 103 | 17 | | 904 | 921 | 100,826 | 170 | 11,723 | 112,549 | 10% | P L A N E D |
| | Aug '24 | 104 | 13 | | 904 | 917 | 101,671 | 170 | 11,893 | 113,564 | 10% | |
| | Sep '24 | 105 | 25 | | 904 | 929 | 102,569 | 170 | 12,063 | 114,632 | 11% | |
| | Oct '24 | 106 | 46 | | 904 | 949 | 103,516 | 150 | 12,213 | 115,729 | 11% | |
| | Nov '24 | 107 | 61 | | 904 | 964 | 104,380 | 130 | 12,343 | 116,723 | 11% | |
| | Dec '24 | 108 | 147 | | 904 | 1,050 | 105,115 | 50 | 12,393 | 117,508 | 11% | |
| | Jan '25 | 109 | 86 | | 904 | 990 | 106,059 | 100 | 12,493 | 118,552 | 11% | |
| | Feb '25 | 110 | 117 | | 904 | 1,021 | 106,973 | 80 | 12,573 | 119,546 | 11% | |
| | Mar '25 | 111 | 81 | | 904 | 985 | 107,943 | 110 | 12,683 | 120,626 | 11% | |
| | Apr '25 | 112 | 58 | | 904 | 962 | 108,864 | 140 | 12,823 | 121,687 | 11% | |
| | May '25 | 113 | 24 | | 904 | 928 | 109,692 | 170 | 12,993 | 122,685 | 11% | |
| | Jun '25 | 114 | 7 | | 904 | 911 | 110,600 | 180 | 13,173 | 123,773 | 11% | |
| 2025/26 | Jul '25 | 115 | 17 | | 904 | 921 | 111,472 | 170 | 13,343 | 124,815 | 11% | |
| | Aug '25 | 116 | 13 | | 904 | 917 | 112,386 | 170 | 13,513 | 125,899 | 11% | |
| | Sep '25 | 117 | 25 | | 904 | 929 | 113,167 | 170 | 13,683 | 126,850 | 11% | |
| | Oct '25 | 118 | 46 | | 904 | 949 | 114,081 | 150 | 13,833 | 127,914 | 11% | |
| | Nov '25 | 119 | 61 | | 904 | 964 | 115,041 | 130 | 13,963 | 129,004 | 11% | |
| | Dec '25 | 120 | 147 | | 904 | 1,050 | 115,139 | 50 | 13,963 | 129,102 | 11% | |
| | Jan '26 | 121 | 86 | | 904 | 990 | 115,067 | 100 | 13,985 | 129,052 | 11% | |
| | Feb '26 | 122 | 117 | | 904 | 1,021 | 115,150 | 80 | 13,912 | 129,062 | 11% | |
| | Mar '26 | 123 | 81 | | 904 | 985 | 115,139 | 110 | 13,896 | 129,035 | 11% | |
| | Apr '26 | 124 | 58 | | 904 | 962 | 115,177 | 140 | 13,903 | 129,080 | 11% | |
| | May '26 | 125 | 24 | | 904 | 928 | 115,189 | 170 | 13,845 | 129,034 | 11% | |
| | Jun '26 | 126 | 7 | | 904 | 911 | 115,193 | 180 | 13,824 | 129,017 | 11% | |
| 2026/27 | Jul '26 | 127 | 17 | | 904 | 921 | 115,210 | 170 | 13,793 | 129,003 | 11% | |
| | Aug '26 | 128 | 13 | | 904 | 917 | 115,223 | 170 | 13,702 | 128,925 | 11% | |
| | Sep '26 | 129 | 25 | | 904 | 929 | 115,247 | 170 | 13,820 | 129,067 | 11% | |
| | Oct '26 | 130 | 46 | | 904 | 949 | 115,246 | 150 | 13,970 | 129,216 | 11% | |
| | Nov '26 | 131 | 61 | | 904 | 964 | 115,251 | 130 | 14,100 | 129,351 | 11% | |
| | Dec '26 | 132 | 147 | | 904 | 1,050 | 115,181 | 50 | 14,150 | 129,331 | 11% | |
| | Jan '27 | 133 | 86 | | 904 | 990 | 115,100 | 100 | 14,250 | 129,350 | 11% | |
| | Feb '27 | 134 | 117 | | 904 | 1,021 | 115,147 | 80 | 14,330 | 129,477 | 11% | |
| | Mar '27 | 135 | 81 | | 904 | 985 | 115,208 | 110 | 14,440 | 129,648 | 11% | |
| | Apr '27 | 136 | 58 | | 904 | 962 | 115,263 | 140 | 14,580 | 129,843 | 11% | |
| | May '27 | 137 | 24 | | 904 | 928 | 115,263 | 170 | 14,750 | 130,013 | 11% | |
| | Jun '27 | 138 | 7 | | 904 | 911 | 115,168 | 180 | 14,930 | 130,098 | 11% | |
| 2027/28 | Jul '27 | 139 | 17 | | 904 | 921 | 115,133 | 170 | 15,100 | 130,233 | 12% | |
| | Aug '27 | 140 | 13 | | 904 | 917 | 115,076 | 170 | 15,270 | 130,346 | 12% | |
| | Sep '27 | 141 | 25 | | 904 | 929 | 115,075 | 170 | 15,440 | 130,515 | 12% | |
| | Oct '27 | 142 | 46 | | 904 | 949 | 115,048 | 150 | 15,590 | 130,638 | 12% | |
| | Nov '27 | 143 | 61 | | 904 | 964 | 115,103 | 130 | 15,720 | 130,823 | 12% | |
| | Dec '27 | 144 | 147 | | 904 | 1,050 | 115,243 | 50 | 15,770 | 131,013 | 12% | |
| | Jan '28 | 145 | 86 | | 904 | 990 | 115,193 | 100 | 15,870 | 131,063 | 12% | |
| | Feb '28 | 146 | 117 | | 904 | 1,021 | 115,262 | 80 | 15,950 | 131,212 | 12% | |
| | Mar '28 | 147 | 81 | | 904 | 985 | 115,262 | 110 | 16,060 | 131,322 | 12% | |
| | Apr '28 | 148 | 58 | | 904 | 962 | 115,262 | 140 | 16,200 | 131,462 | 12% | |
| May '28 | 149 | 24 | | 904 | 928 | 115,262 | 170 | 16,200 | 131,462 | 12% | | |
| Jun '28 | 150 | 7 | | 904 | 911 | 115,262 | 180 | 16,200 | 131,462 | 12% | | |



RWC Management Plan - Declez Basin

Months Since Initial Recycled Water Delivery



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 154 | 7 | 0 | 286 | 293 | 26,571 | 0 | 3,367 | 29,938 | 11% |
| | Aug '12 | 155 | 7 | 0 | 286 | 293 | 26,728 | 0 | 3,367 | 30,095 | 11% |
| | Sep '12 | 156 | 5 | 0 | 286 | 291 | 26,922 | 0 | 3,367 | 30,290 | 11% |
| | Oct '12 | 157 | 5 | 0 | 286 | 291 | 27,034 | 0 | 3,367 | 30,401 | 11% |
| | Nov '12 | 158 | 9 | 0 | 286 | 295 | 26,999 | 80 | 3,447 | 30,446 | 11% |
| | Dec '12 | 159 | 335 | 0 | 286 | 621 | 27,290 | 67 | 3,514 | 30,805 | 11% |
| | Jan '13 | 160 | 72 | 0 | 286 | 358 | 27,472 | 145 | 3,659 | 31,131 | 12% |
| | Feb '13 | 161 | 37 | 0 | 286 | 323 | 27,465 | 225 | 3,884 | 31,349 | 12% |
| | Mar '13 | 162 | 63 | 0 | 286 | 349 | 27,484 | 314 | 4,198 | 31,683 | 13% |
| | Apr '13 | 163 | 1 | 0 | 286 | 287 | 27,441 | 79 | 4,277 | 31,719 | 13% |
| May '13 | 164 | 23 | 0 | 286 | 309 | 27,420 | 259 | 4,506 | 31,927 | 14% | |
| Jun '13 | 165 | 4 | 0 | 286 | 290 | 27,599 | 209 | 4,561 | 32,160 | 14% | |
| 2013/14 | Jul '13 | 166 | 6 | 0 | 286 | 292 | 27,786 | 157 | 4,718 | 32,504 | 15% |
| | Aug '13 | 167 | 4 | 0 | 286 | 290 | 28,044 | 334 | 5,052 | 33,096 | 15% |
| | Sep '13 | 168 | 6 | 0 | 286 | 292 | 28,325 | 457 | 5,509 | 33,834 | 16% |
| | Oct '13 | 169 | 0 | 0 | 286 | 286 | 28,600 | 358 | 5,867 | 34,467 | 17% |
| | Nov '13 | 170 | 21 | 0 | 286 | 307 | 28,803 | 421 | 6,288 | 35,091 | 18% |
| | Dec '13 | 171 | 24 | 0 | 286 | 310 | 28,920 | 413 | 6,701 | 35,621 | 19% |
| | Jan '14 | 172 | 8 | 0 | 286 | 294 | 29,181 | 211 | 6,912 | 36,093 | 19% |
| | Feb '14 | 173 | 294 | 0 | 286 | 580 | 29,431 | 194 | 7,106 | 36,537 | 19% |
| | Mar '14 | 174 | 63 | 0 | 286 | 349 | 29,606 | 108 | 7,214 | 36,820 | 20% |
| | Apr '14 | 175 | 83 | 0 | 286 | 369 | 29,907 | 218 | 7,432 | 37,339 | 20% |
| May '14 | 176 | 9 | 0 | 286 | 295 | 30,185 | 241 | 7,668 | 37,853 | 20% | |
| Jun '14 | 177 | 15 | 0 | 286 | 301 | 30,473 | 186 | 7,810 | 38,284 | 20% | |
| 2014/15 | Jul '14 | 178 | 16 | 0 | 286 | 302 | 30,761 | 101 | 7,865 | 38,627 | 20% |
| | Aug '14 | 179 | 16 | 0 | 286 | 302 | 30,969 | 8 | 7,825 | 38,795 | 20% |
| | Sep '14 | 180 | 15 | 0 | 286 | 301 | 31,092 | 121 | 7,905 | 38,997 | 20% |
| | Oct '14 | 181 | 16 | 0 | 286 | 302 | 31,064 | 286 | 8,168 | 39,232 | 21% |
| | Nov '14 | 182 | 170 | 0 | 286 | 456 | 31,190 | 70 | 8,238 | 39,429 | 21% |
| | Dec '14 | 183 | 392 | 0 | 286 | 678 | 31,539 | 5 | 8,243 | 39,782 | 21% |
| | Jan '15 | 184 | 44 | 0 | 286 | 330 | 31,539 | 183 | 8,426 | 39,965 | 21% |
| | Feb '15 | 185 | 72 | 0 | 286 | 358 | 31,567 | 222 | 8,648 | 40,215 | 22% |
| | Mar '15 | 186 | 15 | 0 | 286 | 301 | 31,630 | 157 | 8,805 | 40,435 | 22% |
| | Apr '15 | 187 | 100 | 0 | 286 | 386 | 31,841 | 165 | 8,970 | 40,811 | 22% |
| May '15 | 188 | 231 | 0 | 286 | 517 | 32,218 | 160 | 9,130 | 41,349 | 22% | |
| Jun '15 | 189 | 0 | 0 | 286 | 286 | 32,502 | 273 | 9,403 | 41,905 | 22% | |
| 2015/16 | Jul '15 | 190 | 285 | 0 | 286 | 571 | 33,073 | 102 | 9,505 | 42,578 | 22% |
| | Aug '15 | 191 | 3 | 0 | 286 | 289 | 33,362 | 1 | 9,506 | 42,868 | 22% |
| | Sep '15 | 192 | 215 | 0 | 286 | 501 | 33,863 | 31 | 9,537 | 43,401 | 22% |
| | Oct '15 | 193 | 75 | 0 | 286 | 361 | 34,026 | 76 | 9,581 | 43,607 | 22% |
| | Nov '15 | 194 | 41 | 0 | 286 | 327 | 34,338 | 21 | 9,602 | 43,941 | 22% |
| | Dec '15 | 195 | 92 | 0 | 286 | 378 | 34,609 | 128 | 9,695 | 44,304 | 22% |
| | Jan '16 | 196 | 337 | 0 | 286 | 623 | 35,042 | 61 | 9,736 | 44,778 | 22% |
| | Feb '16 | 197 | 59 | 0 | 286 | 345 | 35,120 | 89 | 9,750 | 44,870 | 22% |
| | Mar '16 | 198 | 177 | 0 | 286 | 463 | 35,245 | 47 | 9,797 | 45,042 | 22% |
| | Apr '16 | 199 | 24 | 0 | 286 | 310 | 35,193 | 127 | 9,924 | 45,117 | 22% |
| May '16 | 200 | 197 | 0 | 286 | 483 | 35,641 | 119 | 10,043 | 45,684 | 22% | |
| Jun '16 | 201 | 1 | 0 | 286 | 287 | 35,902 | 210 | 10,227 | 46,129 | 22% | |
| 2016/17 | Jul '16 | 202 | 2 | 0 | 286 | 288 | 36,157 | 113 | 10,299 | 46,456 | 22% |
| | Aug '16 | 203 | 0 | 0 | 286 | 286 | 36,433 | 89 | 10,382 | 46,815 | 22% |
| | Sep '16 | 204 | 3 | 0 | 286 | 289 | 36,682 | 232 | 10,531 | 47,213 | 22% |
| | Oct '16 | 205 | 47 | 0 | 286 | 333 | 36,961 | 233 | 10,733 | 47,694 | 23% |
| | Nov '16 | 206 | 86 | 0 | 286 | 372 | 37,270 | 112 | 10,795 | 48,065 | 22% |
| | Dec '16 | 207 | 523 | 0 | 286 | 809 | 37,994 | 0 | 10,753 | 48,747 | 22% |
| | Jan '17 | 208 | 317 | 0 | 286 | 603 | 38,502 | 0 | 10,696 | 49,197 | 22% |
| | Feb '17 | 209 | 338 | 0 | 286 | 624 | 38,976 | 0 | 10,673 | 49,649 | 21% |
| | Mar '17 | 210 | 16 | 0 | 286 | 302 | 39,261 | 123 | 10,751 | 50,012 | 21% |
| | Apr '17 | 211 | 9 | 0 | 286 | 295 | 39,498 | 190 | 10,900 | 50,398 | 22% |
| May '17 | 212 | 37 | 0 | 286 | 323 | 39,807 | 250 | 11,110 | 50,917 | 22% | |
| Jun '17 | 213 | 0 | 0 | 286 | 286 | 40,075 | 149 | 11,252 | 51,327 | 22% | |
| 2017/18 | Jul '17 | 214 | 37 | 0 | 286 | 323 | 40,372 | 34 | 11,286 | 51,658 | 22% |
| | Aug '17 | 215 | 126 | 0 | 286 | 412 | 40,755 | 27 | 11,313 | 52,068 | 22% |
| | Sep '17 | 216 | 0 | 0 | 286 | 286 | 41,007 | 216 | 11,529 | 52,536 | 22% |
| | Oct '17 | 217 | 48 | 9 | 286 | 343 | 41,316 | 87 | 11,616 | 52,932 | 22% |
| | Nov '17 | 218 | 0 | 0 | 286 | 286 | 41,436 | 36 | 11,566 | 53,002 | 22% |
| | Dec '17 | 219 | 0 | 0 | 286 | 286 | 41,465 | 218 | 11,731 | 53,197 | 22% |
| | Jan '18 | 220 | 255 | 0 | 286 | 541 | 41,214 | 30 | 11,762 | 52,975 | 22% |
| | Feb '18 | 221 | 91 | 0 | 286 | 377 | 41,357 | 181 | 11,943 | 53,300 | 22% |
| | Mar '18 | 222 | 121 | 0 | 286 | 407 | 41,744 | 100 | 11,927 | 53,671 | 22% |
| | Apr '18 | 223 | 121 | 0 | 286 | 407 | 42,122 | 100 | 11,911 | 54,032 | 22% |
| May '18 | 224 | 66 | 0 | 286 | 352 | 42,444 | 150 | 11,974 | 54,417 | 22% | |
| Jun '18 | 225 | 11 | 0 | 286 | 297 | 42,723 | 210 | 12,081 | 54,804 | 22% | |

H I S T O R I C A L



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 | 44 | | 286 | 330 | 43,036 | 170 | 12,184 | 55,220 | 22% |
| | Aug '18 | 227 | 34 | | 286 | 320 | 43,348 | 180 | 12,364 | 55,712 | 22% |
| | Sep '18 | 228 | 57 | | 286 | 343 | 43,686 | 160 | 12,524 | 56,210 | 22% |
| | Oct '18 | 229 | 91 | | 286 | 377 | 44,047 | 130 | 12,519 | 56,565 | 22% |
| | Nov '18 | 230 | 138 | | 286 | 424 | 44,357 | 80 | 12,511 | 56,868 | 22% |
| | Dec '18 | 231 | 215 | | 286 | 501 | 44,571 | 0 | 12,511 | 57,082 | 22% |
| | Jan '19 | 232 | 208 | | 286 | 494 | 45,027 | 10 | 12,482 | 57,509 | 22% |
| | Feb '19 | 233 | 229 | | 286 | 515 | 45,133 | 0 | 12,473 | 57,606 | 22% |
| | Mar '19 | 234 | 121 | | 286 | 407 | 45,492 | 100 | 12,573 | 58,065 | 22% |
| | Apr '19 | 235 | 121 | | 286 | 407 | 45,765 | 100 | 12,658 | 58,422 | 22% |
| 2019/20 | May '19 | 236 | 66 | | 286 | 352 | 46,049 | 150 | 12,797 | 58,846 | 22% |
| | Jun '19 | 237 | 11 | | 286 | 297 | 46,322 | 210 | 13,007 | 59,329 | 22% |
| | Jul '19 | 238 | 44 | | 286 | 330 | 46,652 | 170 | 13,177 | 59,829 | 22% |
| | Aug '19 | 239 | 34 | | 286 | 320 | 46,951 | 180 | 13,357 | 60,308 | 22% |
| | Sep '19 | 240 | 57 | | 286 | 343 | 47,093 | 160 | 13,493 | 60,585 | 22% |
| | Oct '19 | 241 | 91 | | 286 | 377 | 46,997 | 130 | 13,521 | 60,517 | 22% |
| | Nov '19 | 242 | 138 | | 286 | 424 | 46,853 | 80 | 13,481 | 60,333 | 22% |
| | Dec '19 | 243 | 215 | | 286 | 501 | 46,826 | 0 | 13,481 | 60,306 | 22% |
| | Jan '20 | 244 | 208 | | 286 | 494 | 46,715 | 10 | 13,491 | 60,205 | 22% |
| | Feb '20 | 245 | 229 | | 286 | 515 | 46,723 | 0 | 13,491 | 60,213 | 22% |
| 2020/21 | Mar '20 | 246 | 121 | | 286 | 407 | 46,740 | 100 | 13,591 | 60,330 | 23% |
| | Apr '20 | 247 | 121 | | 286 | 407 | 46,467 | 100 | 13,691 | 60,157 | 23% |
| | May '20 | 248 | 66 | | 286 | 352 | 46,435 | 150 | 13,841 | 60,275 | 23% |
| | Jun '20 | 249 | 11 | | 286 | 297 | 46,446 | 210 | 14,051 | 60,496 | 23% |
| | Jul '20 | 250 | 44 | | 286 | 330 | 46,490 | 170 | 14,221 | 60,710 | 23% |
| | Aug '20 | 251 | 34 | | 286 | 320 | 46,524 | 180 | 14,401 | 60,924 | 24% |
| | Sep '20 | 252 | 57 | | 286 | 343 | 46,581 | 160 | 14,561 | 61,141 | 24% |
| | Oct '20 | 253 | 91 | | 286 | 377 | 46,643 | 130 | 14,577 | 61,219 | 24% |
| | Nov '20 | 254 | 138 | | 286 | 424 | 46,654 | 80 | 14,537 | 61,190 | 24% |
| | Dec '20 | 255 | 215 | | 286 | 501 | 46,297 | 0 | 14,525 | 60,821 | 24% |
| 2021/22 | Jan '21 | 256 | 208 | | 286 | 494 | 46,401 | 10 | 14,535 | 60,935 | 24% |
| | Feb '21 | 257 | 229 | | 286 | 515 | 46,307 | 0 | 14,492 | 60,798 | 24% |
| | Mar '21 | 258 | 121 | | 286 | 407 | 46,192 | 100 | 14,592 | 60,783 | 24% |
| | Apr '21 | 259 | 121 | | 286 | 407 | 46,310 | 100 | 14,585 | 60,894 | 24% |
| | May '21 | 260 | 66 | | 286 | 352 | 46,363 | 150 | 14,580 | 60,942 | 24% |
| | Jun '21 | 261 | 11 | | 286 | 297 | 46,283 | 210 | 14,584 | 60,866 | 24% |
| | Jul '21 | 262 | 44 | | 286 | 330 | 46,024 | 170 | 14,578 | 60,601 | 24% |
| | Aug '21 | 263 | 34 | | 286 | 320 | 45,767 | 180 | 14,617 | 60,384 | 24% |
| | Sep '21 | 264 | 57 | | 286 | 343 | 45,480 | 160 | 14,771 | 60,250 | 25% |
| | Oct '21 | 265 | 91 | | 286 | 377 | 45,356 | 130 | 14,901 | 60,256 | 25% |
| 2022/23 | Nov '21 | 266 | 138 | | 286 | 424 | 45,283 | 80 | 14,981 | 60,263 | 25% |
| | Dec '21 | 267 | 215 | | 286 | 501 | 45,462 | 0 | 14,981 | 60,442 | 25% |
| | Jan '22 | 268 | 208 | | 286 | 494 | 45,581 | 10 | 14,927 | 60,507 | 25% |
| | Feb '22 | 269 | 229 | | 286 | 515 | 45,715 | 0 | 14,921 | 60,635 | 25% |
| | Mar '22 | 270 | 121 | | 286 | 407 | 45,589 | 100 | 15,021 | 60,609 | 25% |
| | Apr '22 | 271 | 121 | | 286 | 407 | 45,575 | 100 | 15,121 | 60,695 | 25% |
| | May '22 | 272 | 66 | | 286 | 352 | 45,638 | 150 | 15,271 | 60,908 | 25% |
| | Jun '22 | 273 | 11 | | 286 | 297 | 45,637 | 210 | 15,481 | 61,117 | 25% |
| | Jul '22 | 274 | 44 | | 286 | 330 | 45,674 | 170 | 15,651 | 61,324 | 26% |
| | Aug '22 | 275 | 34 | | 286 | 320 | 45,701 | 180 | 15,831 | 61,531 | 26% |
| 2023/24 | Sep '22 | 276 | 57 | | 286 | 343 | 45,753 | 160 | 15,991 | 61,743 | 26% |
| | Oct '22 | 277 | 91 | | 286 | 377 | 45,839 | 130 | 16,121 | 61,959 | 26% |
| | Nov '22 | 278 | 138 | | 286 | 424 | 45,968 | 80 | 16,121 | 62,088 | 26% |
| | Dec '22 | 279 | 215 | | 286 | 501 | 45,848 | 0 | 16,054 | 61,901 | 26% |
| | Jan '23 | 280 | 208 | | 286 | 494 | 45,984 | 10 | 15,919 | 61,902 | 26% |
| | Feb '23 | 281 | 229 | | 286 | 515 | 46,176 | 0 | 15,694 | 61,869 | 25% |
| | Mar '23 | 282 | 121 | | 286 | 407 | 46,234 | 100 | 15,480 | 61,713 | 25% |
| | Apr '23 | 283 | 121 | | 286 | 407 | 46,354 | 100 | 15,501 | 61,854 | 25% |
| | May '23 | 284 | 66 | | 286 | 352 | 46,397 | 150 | 15,392 | 61,788 | 25% |
| | Jun '23 | 285 | 11 | | 286 | 297 | 46,404 | 210 | 15,393 | 61,796 | 25% |
| 2023/24 | Jul '23 | 286 | 44 | | 286 | 330 | 46,442 | 170 | 15,406 | 61,847 | 25% |
| | Aug '23 | 287 | 34 | | 286 | 320 | 46,472 | 180 | 15,252 | 61,723 | 25% |
| | Sep '23 | 288 | 57 | | 286 | 343 | 46,523 | 160 | 14,955 | 61,477 | 24% |
| | Oct '23 | 289 | 91 | | 286 | 377 | 46,614 | 130 | 14,727 | 61,340 | 24% |
| | Nov '23 | 290 | 138 | | 286 | 424 | 46,731 | 80 | 14,386 | 61,116 | 24% |
| | Dec '23 | 291 | 215 | | 286 | 501 | 46,922 | 0 | 13,973 | 60,894 | 23% |
| | Jan '24 | 292 | 208 | | 286 | 494 | 47,122 | 10 | 13,772 | 60,893 | 23% |
| | Feb '24 | 293 | 229 | | 286 | 515 | 47,057 | 0 | 13,578 | 60,634 | 22% |
| | Mar '24 | 294 | 121 | | 286 | 407 | 47,115 | 100 | 13,570 | 60,684 | 22% |
| | Apr '24 | 295 | 121 | | 286 | 407 | 47,153 | 100 | 13,452 | 60,604 | 22% |
| May '24 | 296 | 66 | | 286 | 352 | 47,210 | 150 | 13,361 | 60,570 | 22% | |
| Jun '24 | 297 | 11 | | 286 | 297 | 47,206 | 210 | 13,385 | 60,590 | 22% | |

P L A N N E D



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2024/25 | Jul '24 | 298 | 44 | | 286 | 330 | 47,234 | 170 | 13,454 | 60,687 | 22% |
| | Aug '24 | 299 | 34 | | 286 | 320 | 47,252 | 180 | 13,626 | 60,877 | 22% |
| | Sep '24 | 300 | 57 | | 286 | 343 | 47,294 | 160 | 13,665 | 60,958 | 22% |
| | Oct '24 | 301 | 91 | | 286 | 377 | 47,369 | 130 | 13,509 | 60,877 | 22% |
| | Nov '24 | 302 | 138 | | 286 | 424 | 47,337 | 80 | 13,519 | 60,855 | 22% |
| | Dec '24 | 303 | 215 | | 286 | 501 | 47,160 | 0 | 13,514 | 60,673 | 22% |
| | Jan '25 | 304 | 208 | | 286 | 494 | 47,324 | 10 | 13,341 | 60,664 | 22% |
| | Feb '25 | 305 | 229 | | 286 | 515 | 47,481 | 0 | 13,119 | 60,599 | 22% |
| | Mar '25 | 306 | 121 | | 286 | 407 | 47,587 | 100 | 13,062 | 60,648 | 22% |
| | Apr '25 | 307 | 121 | | 286 | 407 | 47,608 | 100 | 12,997 | 60,604 | 21% |
| May '25 | 308 | 66 | | 286 | 352 | 47,443 | 150 | 12,987 | 60,429 | 21% | |
| Jun '25 | 309 | 11 | | 286 | 297 | 47,454 | 210 | 12,924 | 60,377 | 21% | |
| 2025/26 | Jul '25 | 310 | 44 | | 286 | 330 | 47,213 | 170 | 12,992 | 60,204 | 22% |
| | Aug '25 | 311 | 34 | | 286 | 320 | 47,244 | 180 | 13,171 | 60,414 | 22% |
| | Sep '25 | 312 | 57 | | 286 | 343 | 47,086 | 160 | 13,300 | 60,385 | 22% |
| | Oct '25 | 313 | 91 | | 286 | 377 | 47,102 | 130 | 13,354 | 60,455 | 22% |
| | Nov '25 | 314 | 138 | | 286 | 424 | 47,199 | 80 | 13,413 | 60,611 | 22% |
| | Dec '25 | 315 | 215 | | 286 | 501 | 47,322 | 0 | 13,285 | 60,606 | 22% |
| | Jan '26 | 316 | 208 | | 286 | 494 | 47,193 | 10 | 13,234 | 60,426 | 22% |
| | Feb '26 | 317 | 229 | | 286 | 515 | 47,363 | 0 | 13,145 | 60,507 | 22% |
| | Mar '26 | 318 | 121 | | 286 | 407 | 47,307 | 100 | 13,198 | 60,504 | 22% |
| | Apr '26 | 319 | 121 | | 286 | 407 | 47,404 | 100 | 13,171 | 60,574 | 22% |
| May '26 | 320 | 66 | | 286 | 352 | 47,273 | 150 | 13,202 | 60,474 | 22% | |
| Jun '26 | 321 | 11 | | 286 | 297 | 47,283 | 210 | 13,202 | 60,484 | 22% | |
| 2026/27 | Jul '26 | 322 | 44 | | 286 | 330 | 47,325 | 170 | 13,259 | 60,583 | 22% |
| | Aug '26 | 323 | 34 | | 286 | 320 | 47,359 | 180 | 13,350 | 60,708 | 22% |
| | Sep '26 | 324 | 57 | | 286 | 343 | 47,413 | 160 | 13,278 | 60,690 | 22% |
| | Oct '26 | 325 | 91 | | 286 | 377 | 47,457 | 130 | 13,175 | 60,631 | 22% |
| | Nov '26 | 326 | 138 | | 286 | 424 | 47,509 | 80 | 13,143 | 60,651 | 22% |
| | Dec '26 | 327 | 215 | | 286 | 501 | 47,201 | 0 | 13,143 | 60,343 | 22% |
| | Jan '27 | 328 | 208 | | 286 | 494 | 47,092 | 10 | 13,153 | 60,244 | 22% |
| | Feb '27 | 329 | 229 | | 286 | 515 | 46,983 | 0 | 13,153 | 60,135 | 22% |
| | Mar '27 | 330 | 229 | | 286 | 515 | 47,196 | 100 | 13,130 | 60,325 | 22% |
| | Apr '27 | 331 | 229 | | 286 | 515 | 47,416 | 100 | 13,040 | 60,455 | 22% |
| May '27 | 332 | 229 | | 286 | 515 | 47,608 | 150 | 12,940 | 60,547 | 21% | |
| Jun '27 | 333 | 229 | | 286 | 515 | 47,837 | 210 | 13,001 | 60,837 | 21% | |
| 2027/28 | Jul '27 | 318 | 121 | | 286 | 407 | 47,307 | 170 | 13,198 | 60,504 | 22% |
| | Aug '27 | 319 | 121 | | 286 | 407 | 47,404 | 180 | 13,171 | 60,574 | 22% |
| | Sep '27 | 320 | 66 | | 286 | 352 | 47,273 | 160 | 13,202 | 60,474 | 22% |
| | Oct '27 | 321 | 11 | | 286 | 297 | 47,283 | 130 | 13,202 | 60,484 | 22% |
| | Nov '27 | 322 | 44 | | 286 | 330 | 47,325 | 80 | 13,259 | 60,583 | 22% |
| | Dec '27 | 323 | 34 | | 286 | 320 | 47,359 | 0 | 13,350 | 60,708 | 22% |
| | Jan '28 | 324 | 57 | | 286 | 343 | 47,413 | 10 | 13,278 | 60,690 | 22% |
| | Feb '28 | 325 | 91 | | 286 | 377 | 47,457 | 0 | 13,175 | 60,631 | 22% |
| | Mar '28 | 326 | 138 | | 286 | 424 | 47,509 | 100 | 13,143 | 60,651 | 22% |
| | Apr '28 | 327 | 215 | | 286 | 501 | 47,201 | 100 | 13,143 | 60,343 | 22% |
| May '28 | 328 | 208 | | 286 | 494 | 47,092 | 150 | 13,153 | 60,244 | 22% | |
| Jun '28 | 329 | 229 | | 286 | 515 | 46,983 | 210 | 13,153 | 60,135 | 22% | |

P L A N N E D

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.

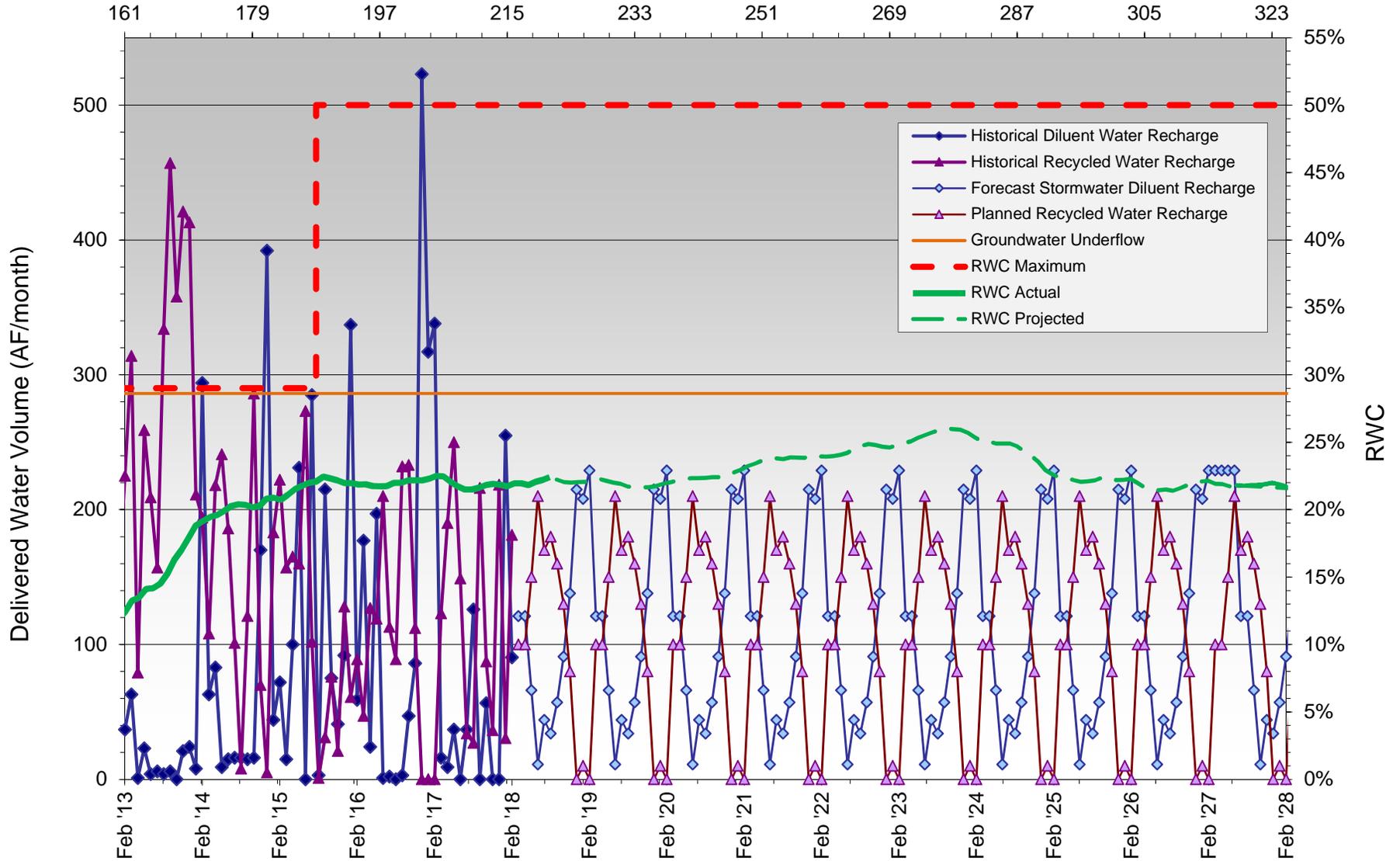
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



HISTORICAL RECHARGE

PLANNED RECHARGE



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 |
|-----------|------------------------------------|---------|----------|----------------|---------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 82 | 22 | 0 | 267 | 289 | 15,498 | 57 | 4,249 | 19,747 | 22% |
| | Aug '12 | 83 | 50 | 0 | 267 | 317 | 15,815 | 44 | 4,293 | 20,108 | 21% |
| | Sep '12 | 84 | 29 | 0 | 267 | 296 | 16,110 | 0 | 4,293 | 20,403 | 21% |
| | Oct '12 | 85 | 51 | 0 | 267 | 318 | 16,428 | 0 | 4,293 | 20,721 | 21% |
| | Nov '12 | 86 | 13 | 0 | 267 | 280 | 16,626 | 177 | 4,470 | 21,096 | 21% |
| | Dec '12 | 87 | 6 | 0 | 267 | 273 | 16,777 | 144 | 4,614 | 21,391 | 22% |
| | Jan '13 | 88 | 0 | 0 | 267 | 267 | 17,043 | 115 | 4,729 | 21,773 | 22% |
| | Feb '13 | 89 | 8 | 0 | 267 | 275 | 17,172 | 3 | 4,732 | 21,904 | 22% |
| | Mar '13 | 90 | 13 | 0 | 267 | 280 | 17,346 | 147 | 4,879 | 22,225 | 22% |
| | Apr '13 | 91 | 0 | 0 | 267 | 267 | 17,523 | 71 | 4,950 | 22,474 | 22% |
| May '13 | 92 | 6 | 0 | 267 | 273 | 17,789 | 0 | 4,950 | 22,739 | 22% | |
| Jun '13 | 93 | 1 | 0 | 267 | 268 | 18,057 | 116 | 5,066 | 23,123 | 22% | |
| 2013/14 | Jul '13 | 94 | 4 | 0 | 267 | 271 | 18,327 | 201 | 5,267 | 23,594 | 22% |
| | Aug '13 | 95 | 0 | 0 | 267 | 267 | 18,594 | 11 | 5,278 | 23,872 | 22% |
| | Sep '13 | 96 | 0 | 0 | 267 | 267 | 18,860 | 0 | 5,278 | 24,139 | 22% |
| | Oct '13 | 97 | 1 | 0 | 267 | 268 | 19,128 | 1 | 5,279 | 24,407 | 22% |
| | Nov '13 | 98 | 59 | 0 | 267 | 326 | 19,449 | 339 | 5,618 | 25,067 | 22% |
| | Dec '13 | 99 | 8 | 0 | 267 | 275 | 19,688 | 108 | 5,726 | 25,415 | 23% |
| | Jan '14 | 100 | 9 | 3 | 267 | 278 | 19,966 | 86 | 5,812 | 25,778 | 23% |
| | Feb '14 | 101 | 19 | 1 | 267 | 287 | 20,124 | 67 | 5,879 | 26,003 | 23% |
| | Mar '14 | 102 | 13 | 0 | 267 | 280 | 20,349 | 224 | 6,103 | 26,452 | 23% |
| | Apr '14 | 103 | 23 | 10 | 267 | 299 | 20,648 | 379 | 6,482 | 27,130 | 24% |
| May '14 | 104 | 33 | 0 | 267 | 300 | 20,947 | 292 | 6,774 | 27,721 | 24% | |
| Jun '14 | 105 | 2 | 0 | 267 | 269 | 21,216 | 212 | 6,986 | 28,202 | 25% | |
| 2014/15 | Jul '14 | 106 | 0 | 0 | 267 | 267 | 21,483 | 118 | 7,104 | 28,587 | 25% |
| | Aug '14 | 107 | 0 | 0 | 267 | 267 | 21,749 | 82 | 7,186 | 28,935 | 25% |
| | Sep '14 | 108 | 0 | 0 | 267 | 267 | 22,016 | 236 | 7,422 | 29,438 | 25% |
| | Oct '14 | 109 | 0 | 0 | 267 | 267 | 22,165 | 226 | 7,648 | 29,813 | 26% |
| | Nov '14 | 110 | 0 | 0 | 267 | 267 | 22,429 | 272 | 7,920 | 30,350 | 26% |
| | Dec '14 | 111 | 185 | 0 | 267 | 452 | 22,842 | 46 | 7,966 | 30,808 | 26% |
| | Jan '15 | 112 | 8 | 0 | 267 | 275 | 22,967 | 194 | 8,160 | 31,127 | 26% |
| | Feb '15 | 113 | 47 | 0 | 267 | 314 | 23,153 | 180 | 8,340 | 31,493 | 26% |
| | Mar '15 | 114 | 0 | 0 | 267 | 267 | 23,392 | 115 | 8,455 | 31,848 | 27% |
| | Apr '15 | 115 | 0 | 0 | 267 | 267 | 23,655 | 229 | 8,684 | 32,339 | 27% |
| May '15 | 116 | 3 | 0 | 267 | 270 | 23,873 | 139 | 8,823 | 32,696 | 27% | |
| Jun '15 | 117 | 0 | 0 | 267 | 267 | 23,920 | 197 | 9,020 | 32,941 | 27% | |
| 2015/16 | Jul '15 | 118 | 0 | 0 | 267 | 267 | 23,922 | 39 | 9,059 | 32,981 | 27% |
| | Aug '15 | 119 | 0 | 0 | 267 | 267 | 23,701 | 56 | 9,115 | 32,816 | 28% |
| | Sep '15 | 120 | 9 | 0 | 267 | 276 | 23,846 | 107 | 9,083 | 32,930 | 28% |
| | Oct '15 | 121 | 14 | 0 | 267 | 281 | 24,105 | 73 | 9,064 | 33,169 | 27% |
| | Nov '15 | 122 | 14 | 0 | 267 | 281 | 24,386 | 84 | 9,055 | 33,441 | 27% |
| | Dec '15 | 123 | 64 | 0 | 267 | 331 | 24,709 | 53 | 9,077 | 33,785 | 27% |
| | Jan '16 | 124 | 35 | 0 | 267 | 302 | 24,998 | 23 | 9,017 | 34,014 | 27% |
| | Feb '16 | 125 | 5 | 0 | 267 | 272 | 25,235 | 27 | 8,965 | 34,199 | 26% |
| | Mar '16 | 126 | 22 | 0 | 267 | 289 | 25,497 | 0 | 8,965 | 34,461 | 26% |
| | Apr '16 | 127 | 21 | 0 | 267 | 288 | 25,741 | 43 | 9,008 | 34,748 | 26% |
| May '16 | 128 | 0 | 0 | 267 | 267 | 25,924 | 52 | 9,060 | 34,984 | 26% | |
| Jun '16 | 129 | 0 | 0 | 267 | 267 | 26,147 | 18 | 9,078 | 35,224 | 26% | |
| 2016/2017 | Jul '16 | 130 | 0 | 0 | 267 | 267 | 26,284 | 0 | 8,895 | 35,179 | 25% |
| | Aug '16 | 131 | 0 | 0 | 267 | 267 | 26,504 | 49 | 8,764 | 35,268 | 25% |
| | Sep '16 | 132 | 0 | 0 | 267 | 267 | 26,681 | 29 | 8,793 | 35,474 | 25% |
| | Oct '16 | 133 | 25 | 0 | 267 | 292 | 26,930 | 55 | 8,704 | 35,634 | 24% |
| | Nov '16 | 134 | 9 | 0 | 267 | 276 | 27,147 | 3 | 8,672 | 35,819 | 24% |
| | Dec '16 | 135 | 85 | 0 | 267 | 352 | 27,414 | 0 | 8,672 | 36,086 | 24% |
| | Jan '17 | 136 | 19 | 0 | 267 | 286 | 27,683 | 0 | 8,672 | 36,355 | 24% |
| | Feb '17 | 137 | 4 | 0 | 267 | 271 | 27,914 | 0 | 8,630 | 36,544 | 24% |
| | Mar '17 | 138 | 0 | 0 | 267 | 267 | 28,146 | 0 | 8,630 | 36,776 | 23% |
| | Apr '17 | 139 | 0 | 0 | 267 | 267 | 28,362 | 0 | 8,567 | 36,929 | 23% |
| May '17 | 140 | 0 | 0 | 267 | 267 | 28,571 | 0 | 8,567 | 37,138 | 23% | |
| Jun '17 | 141 | 0 | 0 | 267 | 267 | 28,748 | 0 | 8,567 | 37,314 | 23% | |
| 2017/2018 | Jul '17 | 142 | 0 | 527 | 267 | 794 | 29,448 | 168 | 8,594 | 38,042 | 23% |
| | Aug '17 | 143 | 0 | 420 | 267 | 687 | 30,042 | 20 | 8,536 | 38,578 | 22% |
| | Sep '17 | 144 | 10 | 263 | 267 | 540 | 30,490 | 119 | 8,640 | 39,130 | 22% |
| | Oct '17 | 145 | 10 | 153 | 267 | 430 | 30,847 | 171 | 8,788 | 39,635 | 22% |
| | Nov '17 | 146 | 15 | 0 | 267 | 282 | 31,026 | 170 | 8,860 | 39,886 | 22% |
| | Dec '17 | 147 | 8 | 68 | 267 | 343 | 31,267 | 106 | 8,965 | 40,232 | 22% |
| | Jan '18 | 148 | 85 | 40 | 267 | 391 | 31,533 | 85 | 9,050 | 40,583 | 22% |
| | Feb '18 | 149 | 16 | 0 | 267 | 283 | 31,718 | 134 | 9,145 | 40,863 | 22% |
| | Mar '18 | 150 | 26 | 0 | 267 | 293 | 31,967 | 120 | 9,185 | 41,152 | 22% |
| | Apr '18 | 151 | 24 | 0 | 267 | 291 | 32,193 | 130 | 9,308 | 41,501 | 22% |
| May '18 | 152 | 20 | 0 | 267 | 287 | 32,441 | 130 | 9,352 | 41,793 | 22% | |
| Jun '18 | 153 | 13 | 0 | 267 | 280 | 32,697 | 140 | 9,492 | 42,189 | 22% | |

H I C K O R Y B A S I N



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 | 23 | | 267 | 290 | 32,968 | 130 | 9,622 | 42,590 | 23% |
| | Aug '18 | 155 | 22 | | 267 | 289 | 33,251 | 130 | 9,752 | 43,003 | 23% |
| | Sep '18 | 156 | 26 | | 267 | 293 | 33,540 | 120 | 9,872 | 43,412 | 23% |
| | Oct '18 | 157 | 22 | | 267 | 289 | 33,826 | 130 | 10,002 | 43,828 | 23% |
| | Nov '18 | 158 | 24 | | 267 | 291 | 34,114 | 130 | 10,132 | 44,246 | 23% |
| | Dec '18 | 159 | 66 | | 267 | 333 | 34,411 | 80 | 10,212 | 44,623 | 23% |
| | Jan '19 | 160 | 45 | | 267 | 312 | 34,723 | 110 | 10,322 | 45,045 | 23% |
| | Feb '19 | 161 | 52 | | 267 | 319 | 34,978 | 100 | 10,399 | 45,377 | 23% |
| | Mar '19 | 162 | 26 | | 267 | 293 | 35,240 | 120 | 10,496 | 45,736 | 23% |
| | Apr '19 | 163 | 24 | | 267 | 291 | 35,523 | 130 | 10,626 | 46,149 | 23% |
| | May '19 | 164 | 20 | | 267 | 287 | 35,791 | 130 | 10,756 | 46,547 | 23% |
| | Jun '19 | 165 | 13 | | 267 | 280 | 36,068 | 140 | 10,896 | 46,964 | 23% |
| 2019/2020 | Jul '19 | 166 | 23 | | 267 | 290 | 36,348 | 130 | 11,026 | 47,374 | 23% |
| | Aug '19 | 167 | 22 | | 267 | 289 | 36,633 | 130 | 11,156 | 47,789 | 23% |
| | Sep '19 | 168 | 26 | | 267 | 293 | 36,923 | 120 | 11,242 | 48,165 | 23% |
| | Oct '19 | 169 | 22 | | 267 | 289 | 36,914 | 130 | 11,183 | 48,097 | 23% |
| | Nov '19 | 170 | 24 | | 267 | 291 | 36,912 | 130 | 11,070 | 47,982 | 23% |
| | Dec '19 | 171 | 66 | | 267 | 333 | 36,820 | 80 | 11,057 | 47,877 | 23% |
| | Jan '20 | 172 | 45 | | 267 | 312 | 36,651 | 110 | 11,148 | 47,799 | 23% |
| | Feb '20 | 173 | 52 | | 267 | 319 | 36,503 | 100 | 11,248 | 47,751 | 24% |
| | Mar '20 | 174 | 26 | | 267 | 293 | 36,513 | 120 | 11,307 | 47,820 | 24% |
| | Apr '20 | 175 | 24 | | 267 | 291 | 36,491 | 130 | 11,381 | 47,872 | 24% |
| | May '20 | 176 | 20 | | 267 | 287 | 36,511 | 130 | 11,400 | 47,911 | 24% |
| | Jun '20 | 177 | 13 | | 267 | 280 | 36,524 | 140 | 11,490 | 48,014 | 24% |
| 2020/2021 | Jul '20 | 178 | 23 | | 267 | 290 | 36,547 | 130 | 11,599 | 48,146 | 24% |
| | Aug '20 | 179 | 22 | | 267 | 289 | 36,569 | 130 | 11,701 | 48,270 | 24% |
| | Sep '20 | 180 | 26 | | 267 | 293 | 36,583 | 120 | 11,536 | 48,119 | 24% |
| | Oct '20 | 181 | 22 | | 267 | 289 | 36,592 | 130 | 11,572 | 48,164 | 24% |
| | Nov '20 | 182 | 24 | | 267 | 291 | 36,580 | 130 | 11,651 | 48,231 | 24% |
| | Dec '20 | 183 | 66 | | 267 | 333 | 36,497 | 80 | 11,731 | 48,228 | 24% |
| | Jan '21 | 184 | 45 | | 267 | 312 | 36,530 | 110 | 11,791 | 48,321 | 24% |
| | Feb '21 | 185 | 52 | | 267 | 319 | 36,503 | 100 | 11,854 | 48,357 | 25% |
| | Mar '21 | 186 | 26 | | 267 | 293 | 36,459 | 120 | 11,974 | 48,433 | 25% |
| | Apr '21 | 187 | 24 | | 267 | 291 | 36,483 | 130 | 12,052 | 48,535 | 25% |
| | May '21 | 188 | 20 | | 267 | 287 | 36,501 | 130 | 12,098 | 48,599 | 25% |
| | Jun '21 | 189 | 13 | | 267 | 280 | 36,506 | 140 | 12,164 | 48,670 | 25% |
| 2021/2022 | Jul '21 | 190 | 23 | | 267 | 290 | 36,529 | 130 | 12,280 | 48,809 | 25% |
| | Aug '21 | 191 | 22 | | 267 | 289 | 36,479 | 130 | 12,410 | 48,889 | 25% |
| | Sep '21 | 192 | 26 | | 267 | 293 | 36,025 | 120 | 12,510 | 48,535 | 26% |
| | Oct '21 | 193 | 22 | | 267 | 289 | 36,030 | 130 | 12,605 | 48,635 | 26% |
| | Nov '21 | 194 | 24 | | 267 | 291 | 36,043 | 130 | 12,533 | 48,576 | 26% |
| | Dec '21 | 195 | 66 | | 267 | 333 | 36,108 | 80 | 12,387 | 48,495 | 26% |
| | Jan '22 | 196 | 45 | | 267 | 312 | 36,104 | 110 | 12,481 | 48,585 | 26% |
| | Feb '22 | 197 | 52 | | 267 | 319 | 36,097 | 100 | 12,498 | 48,595 | 26% |
| | Mar '22 | 198 | 26 | | 267 | 293 | 36,070 | 120 | 12,539 | 48,609 | 26% |
| | Apr '22 | 199 | 24 | | 267 | 291 | 36,064 | 130 | 12,603 | 48,667 | 26% |
| | May '22 | 200 | 20 | | 267 | 287 | 36,084 | 130 | 12,693 | 48,777 | 26% |
| | Jun '22 | 201 | 13 | | 267 | 280 | 36,095 | 140 | 12,831 | 48,926 | 26% |
| 2022/2023 | Jul '22 | 202 | 23 | | 267 | 290 | 36,096 | 130 | 12,904 | 49,000 | 26% |
| | Aug '22 | 203 | 22 | | 267 | 289 | 36,068 | 130 | 12,990 | 49,058 | 26% |
| | Sep '22 | 204 | 26 | | 267 | 293 | 36,065 | 120 | 13,110 | 49,175 | 27% |
| | Oct '22 | 205 | 22 | | 267 | 289 | 36,036 | 130 | 13,240 | 49,276 | 27% |
| | Nov '22 | 206 | 24 | | 267 | 291 | 36,047 | 130 | 13,193 | 49,240 | 27% |
| | Dec '22 | 207 | 66 | | 267 | 333 | 36,107 | 80 | 13,129 | 49,236 | 27% |
| | Jan '23 | 208 | 45 | | 267 | 312 | 36,152 | 110 | 13,124 | 49,276 | 27% |
| | Feb '23 | 209 | 52 | | 267 | 319 | 36,196 | 100 | 13,221 | 49,417 | 27% |
| | Mar '23 | 210 | 26 | | 267 | 293 | 36,209 | 120 | 13,194 | 49,403 | 27% |
| | Apr '23 | 211 | 24 | | 267 | 291 | 36,233 | 130 | 13,253 | 49,486 | 27% |
| | May '23 | 212 | 20 | | 267 | 287 | 36,247 | 130 | 13,383 | 49,630 | 27% |
| | Jun '23 | 213 | 13 | | 267 | 280 | 36,259 | 140 | 13,407 | 49,666 | 27% |
| 2023/2024 | Jul '23 | 214 | 23 | | 267 | 290 | 36,278 | 130 | 13,336 | 49,614 | 27% |
| | Aug '23 | 215 | 22 | | 267 | 289 | 36,300 | 130 | 13,455 | 49,755 | 27% |
| | Sep '23 | 216 | 26 | | 267 | 293 | 36,326 | 120 | 13,575 | 49,901 | 27% |
| | Oct '23 | 217 | 22 | | 267 | 289 | 36,347 | 130 | 13,704 | 50,051 | 27% |
| | Nov '23 | 218 | 24 | | 267 | 291 | 36,312 | 130 | 13,495 | 49,807 | 27% |
| | Dec '23 | 219 | 66 | | 267 | 333 | 36,370 | 80 | 13,467 | 49,837 | 27% |
| | Jan '24 | 220 | 45 | | 267 | 312 | 36,404 | 110 | 13,491 | 49,895 | 27% |
| | Feb '24 | 221 | 52 | | 267 | 319 | 36,436 | 100 | 13,524 | 49,960 | 27% |
| | Mar '24 | 222 | 26 | | 267 | 293 | 36,449 | 120 | 13,420 | 49,869 | 27% |
| | Apr '24 | 223 | 24 | | 267 | 291 | 36,440 | 130 | 13,171 | 49,611 | 27% |
| | May '24 | 224 | 20 | | 267 | 287 | 36,427 | 130 | 13,009 | 49,436 | 26% |
| | Jun '24 | 225 | 13 | | 267 | 280 | 36,438 | 140 | 12,937 | 49,375 | 26% |

P L A N N E D



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 |
|-----------|------------------------------------|---------|----------|----------------|---------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2024/2025 | Jul '24 | 226 | 23 | | 267 | 290 | 36,461 | 130 | 12,949 | 49,410 | 26% |
| | Aug '24 | 227 | 22 | | 267 | 289 | 36,483 | 130 | 12,997 | 49,480 | 26% |
| | Sep '24 | 228 | 26 | | 267 | 293 | 36,509 | 120 | 12,881 | 49,390 | 26% |
| | Oct '24 | 229 | 22 | | 267 | 289 | 36,531 | 130 | 12,785 | 49,316 | 26% |
| | Nov '24 | 230 | 24 | | 267 | 291 | 36,555 | 130 | 12,643 | 49,198 | 26% |
| | Dec '24 | 231 | 66 | | 267 | 333 | 36,436 | 80 | 12,677 | 49,113 | 26% |
| | Jan '25 | 232 | 45 | | 267 | 312 | 36,473 | 110 | 12,593 | 49,066 | 26% |
| | Feb '25 | 233 | 52 | | 267 | 319 | 36,478 | 100 | 12,513 | 48,991 | 26% |
| | Mar '25 | 234 | 26 | | 267 | 293 | 36,504 | 120 | 12,518 | 49,022 | 26% |
| | Apr '25 | 235 | 24 | | 267 | 291 | 36,528 | 130 | 12,419 | 48,947 | 25% |
| | May '25 | 236 | 20 | | 267 | 287 | 36,545 | 130 | 12,410 | 48,955 | 25% |
| | Jun '25 | 237 | 13 | | 267 | 280 | 36,558 | 140 | 12,353 | 48,911 | 25% |
| 2025/26 | Jul '25 | 238 | 23 | | 267 | 290 | 36,581 | 130 | 12,444 | 49,025 | 25% |
| | Aug '25 | 239 | 22 | | 267 | 289 | 36,603 | 130 | 12,518 | 49,121 | 25% |
| | Sep '25 | 240 | 26 | | 267 | 293 | 36,620 | 120 | 12,531 | 49,151 | 25% |
| | Oct '25 | 241 | 22 | | 267 | 289 | 36,628 | 130 | 12,588 | 49,216 | 26% |
| | Nov '25 | 242 | 24 | | 267 | 291 | 36,638 | 130 | 12,634 | 49,272 | 26% |
| | Dec '25 | 243 | 66 | | 267 | 333 | 36,640 | 80 | 12,661 | 49,301 | 26% |
| | Jan '26 | 244 | 45 | | 267 | 312 | 36,650 | 110 | 12,748 | 49,398 | 26% |
| | Feb '26 | 245 | 52 | | 267 | 319 | 36,697 | 100 | 12,821 | 49,518 | 26% |
| | Mar '26 | 246 | 52 | | 267 | 319 | 36,727 | 120 | 12,941 | 49,668 | 26% |
| | Apr '26 | 247 | 52 | | 267 | 319 | 36,758 | 130 | 13,028 | 49,786 | 26% |
| | May '26 | 248 | 52 | | 267 | 319 | 36,810 | 130 | 13,106 | 49,916 | 26% |
| | Jun '26 | 249 | 52 | | 267 | 319 | 36,862 | 140 | 13,228 | 50,090 | 26% |
| 2026/27 | Jul '26 | 250 | 23 | | 267 | 290 | 36,885 | 130 | 13,358 | 50,243 | 27% |
| | Aug '26 | 251 | 22 | | 267 | 289 | 36,907 | 130 | 13,439 | 50,346 | 27% |
| | Sep '26 | 252 | 26 | | 267 | 293 | 36,933 | 120 | 13,530 | 50,463 | 27% |
| | Oct '26 | 253 | 22 | | 267 | 289 | 36,930 | 130 | 13,605 | 50,535 | 27% |
| | Nov '26 | 254 | 24 | | 267 | 291 | 36,945 | 130 | 13,732 | 50,677 | 27% |
| | Dec '26 | 255 | 66 | | 267 | 333 | 36,926 | 80 | 13,812 | 50,738 | 27% |
| | Jan '27 | 256 | 45 | | 267 | 312 | 36,952 | 110 | 13,922 | 50,874 | 27% |
| | Feb '27 | 257 | 52 | | 267 | 319 | 37,000 | 100 | 14,022 | 51,022 | 27% |
| | Mar '27 | 258 | 52 | | 267 | 319 | 37,052 | 120 | 14,142 | 51,194 | 28% |
| | Apr '27 | 259 | 52 | | 267 | 319 | 37,104 | 130 | 14,272 | 51,376 | 28% |
| | May '27 | 260 | 52 | | 267 | 319 | 37,156 | 130 | 14,402 | 51,558 | 28% |
| | Jun '27 | 261 | 52 | | 267 | 319 | 37,208 | 140 | 14,542 | 51,750 | 28% |
| 2027/28 | Jul '27 | 262 | 23 | | 267 | 290 | 36,704 | 130 | 14,504 | 51,208 | 28% |
| | Aug '27 | 263 | 22 | | 267 | 289 | 36,306 | 130 | 14,614 | 50,920 | 29% |
| | Sep '27 | 264 | 26 | | 267 | 293 | 36,059 | 120 | 14,615 | 50,674 | 29% |
| | Oct '27 | 265 | 22 | | 267 | 289 | 35,918 | 130 | 14,574 | 50,492 | 29% |
| | Nov '27 | 266 | 24 | | 267 | 291 | 35,927 | 130 | 14,534 | 50,461 | 29% |
| | Dec '27 | 267 | 66 | | 267 | 333 | 35,916 | 80 | 14,509 | 50,425 | 29% |
| | Jan '28 | 268 | 45 | | 267 | 312 | 35,837 | 110 | 14,534 | 50,370 | 29% |
| | Feb '28 | 269 | 52 | | 267 | 319 | 35,873 | 100 | 14,500 | 50,373 | 29% |
| | Mar '28 | 270 | 52 | | 267 | 319 | 35,899 | 120 | 14,500 | 50,399 | 29% |
| | Apr '28 | 271 | 52 | | 267 | 319 | 35,927 | 130 | 14,500 | 50,427 | 29% |
| | May '28 | 272 | 52 | | 267 | 319 | 35,959 | 130 | 14,500 | 50,459 | 29% |
| | Jun '28 | 273 | 52 | | 267 | 319 | 35,998 | 140 | 14,500 | 50,498 | 29% |

P L A N N E D

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.

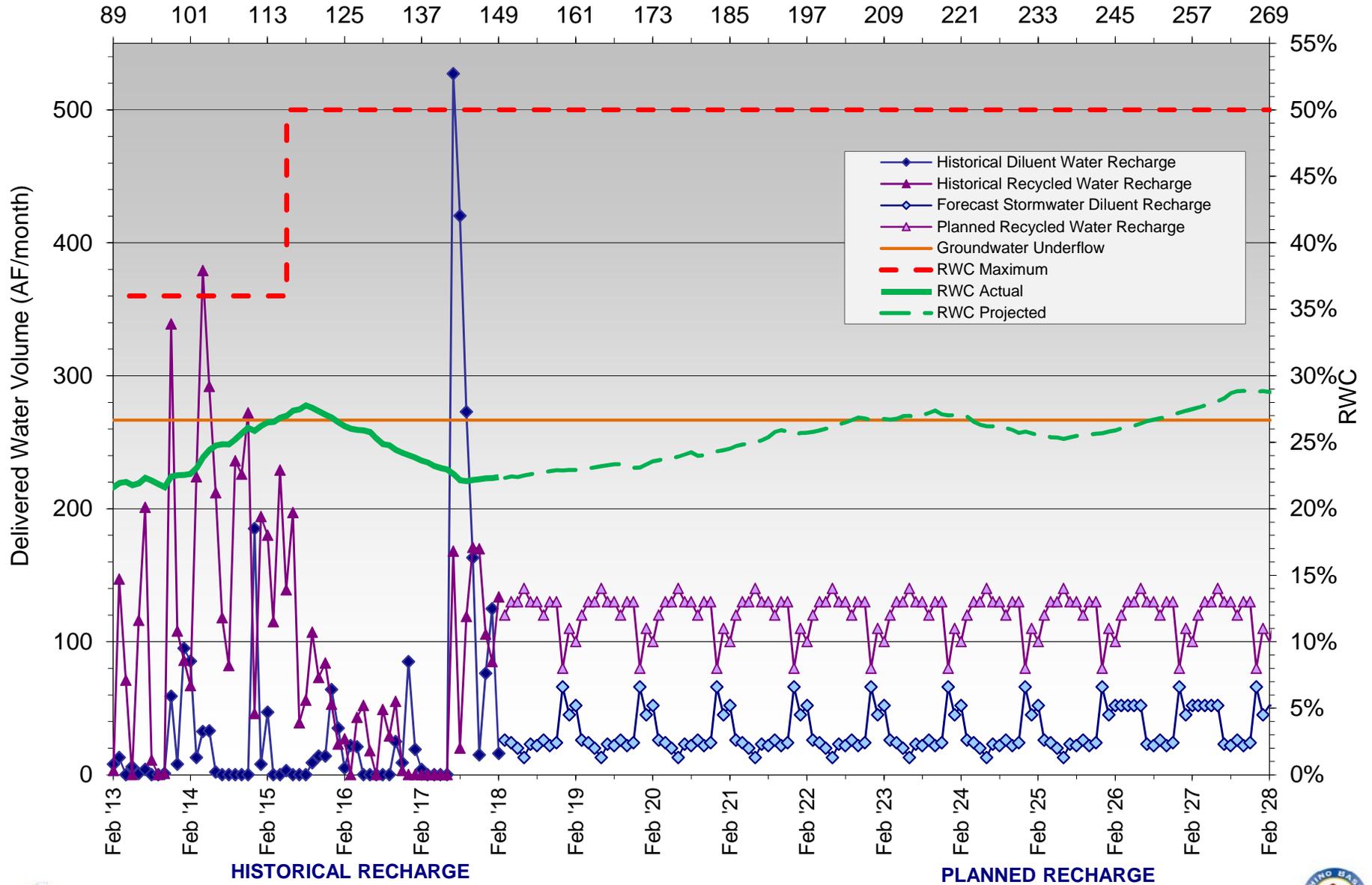
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|---------|--------|
| 2012/13 | Jul '12 | 37 | 50 | 0 | 904 | 954 | 40,925 | 12 | 5,757 | 46,682 | 12% |
| | Aug '12 | 38 | 12 | 0 | 904 | 916 | 41,841 | 0 | 5,757 | 47,598 | 12% |
| | Sep '12 | 39 | 4 | 0 | 904 | 908 | 42,749 | 0 | 5,757 | 48,506 | 12% |
| | Oct '12 | 40 | 18 | 0 | 904 | 922 | 43,671 | 0 | 5,757 | 49,428 | 12% |
| | Nov '12 | 41 | 101 | 0 | 904 | 1,005 | 44,675 | 154 | 5,911 | 50,586 | 12% |
| | Dec '12 | 42 | 361 | 0 | 904 | 1,265 | 45,940 | 220 | 6,131 | 52,071 | 12% |
| | Jan '13 | 43 | 147 | 0 | 904 | 1,051 | 46,991 | 353 | 6,484 | 53,475 | 12% |
| | Feb '13 | 44 | 113 | 0 | 904 | 1,017 | 48,008 | 297 | 6,781 | 54,789 | 12% |
| | Mar '13 | 45 | 78 | 0 | 904 | 982 | 48,989 | 275 | 7,056 | 56,045 | 13% |
| | Apr '13 | 46 | 40 | 0 | 904 | 944 | 49,933 | 386 | 7,442 | 57,375 | 13% |
| May '13 | 47 | 54 | 0 | 904 | 958 | 50,891 | 262 | 7,704 | 58,595 | 13% | |
| Jun '13 | 48 | 43 | 0 | 904 | 947 | 51,838 | 239 | 7,943 | 59,781 | 13% | |
| 2013/14 | Jul '13 | 49 | 72 | 0 | 904 | 976 | 52,813 | 74 | 8,017 | 60,830 | 13% |
| | Aug '13 | 50 | 68 | 0 | 904 | 972 | 53,785 | 216 | 8,233 | 62,018 | 13% |
| | Sep '13 | 51 | 58 | 0 | 904 | 962 | 54,747 | 353 | 8,586 | 63,333 | 14% |
| | Oct '13 | 52 | 53 | 0 | 904 | 957 | 55,704 | 164 | 8,750 | 64,454 | 14% |
| | Nov '13 | 53 | 60 | 0 | 904 | 964 | 56,668 | 4 | 8,754 | 65,422 | 13% |
| | Dec '13 | 54 | 72 | 0 | 904 | 976 | 57,643 | 251 | 9,005 | 66,648 | 14% |
| | Jan '14 | 55 | 43 | 86 | 904 | 1,033 | 58,676 | 72 | 9,077 | 67,753 | 13% |
| | Feb '14 | 56 | 131 | 66 | 904 | 1,101 | 59,777 | 0 | 9,077 | 68,854 | 13% |
| | Mar '14 | 57 | 103 | 160 | 904 | 1,167 | 60,944 | 0 | 9,077 | 70,021 | 13% |
| | Apr '14 | 58 | 48 | 38 | 904 | 989 | 61,933 | 49 | 9,126 | 71,059 | 13% |
| May '14 | 59 | 3 | 0 | 904 | 907 | 62,840 | 0 | 9,126 | 71,966 | 13% | |
| Jun '14 | 60 | 6 | 0 | 904 | 910 | 63,750 | 172 | 9,298 | 73,048 | 13% | |
| 2014/15 | Jul '14 | 61 | 9 | 0 | 904 | 913 | 64,663 | 184 | 9,482 | 74,145 | 13% |
| | Aug '14 | 62 | 23 | 0 | 904 | 927 | 65,589 | 192 | 9,674 | 75,263 | 13% |
| | Sep '14 | 63 | 40 | 0 | 904 | 944 | 66,533 | 243 | 9,917 | 76,450 | 13% |
| | Oct '14 | 64 | 25 | 0 | 904 | 929 | 67,462 | 335 | 10,252 | 77,714 | 13% |
| | Nov '14 | 65 | 112 | 0 | 904 | 1,016 | 68,478 | 250 | 10,502 | 78,980 | 13% |
| | Dec '14 | 66 | 419 | 0 | 904 | 1,323 | 69,800 | 6 | 10,508 | 80,308 | 13% |
| | Jan '15 | 67 | 132 | 0 | 904 | 1,036 | 70,836 | 29 | 10,537 | 81,373 | 13% |
| | Feb '15 | 68 | 95 | 0 | 904 | 999 | 71,835 | 243 | 10,780 | 82,615 | 13% |
| | Mar '15 | 69 | 69 | 0 | 904 | 973 | 72,808 | 325 | 11,105 | 83,913 | 13% |
| | Apr '15 | 70 | 41 | 0 | 904 | 945 | 73,752 | 282 | 11,387 | 85,139 | 13% |
| May '15 | 71 | 121 | 0 | 904 | 1,025 | 74,777 | 348 | 11,735 | 86,512 | 14% | |
| Jun '15 | 72 | 12 | 0 | 904 | 916 | 75,693 | 531 | 12,266 | 87,959 | 14% | |
| 2015/16 | Jul '15 | 73 | 134 | 0 | 904 | 1,038 | 76,700 | 268 | 12,534 | 89,234 | 14% |
| | Aug '15 | 74 | 31 | 0 | 904 | 935 | 77,603 | 141 | 12,675 | 90,278 | 14% |
| | Sep '15 | 75 | 123 | 0 | 904 | 1,027 | 78,570 | 219 | 12,894 | 91,464 | 14% |
| | Oct '15 | 76 | 86 | 0 | 904 | 990 | 79,482 | 363 | 13,257 | 92,739 | 14% |
| | Nov '15 | 77 | 54 | 0 | 904 | 958 | 80,380 | 228 | 13,485 | 93,865 | 14% |
| | Dec '15 | 78 | 188 | 0 | 904 | 1,092 | 81,411 | 274 | 13,759 | 95,170 | 14% |
| | Jan '16 | 79 | 239 | 0 | 904 | 1,143 | 82,522 | 390 | 14,149 | 96,671 | 15% |
| | Feb '16 | 80 | 54 | 0 | 904 | 958 | 83,415 | 358 | 14,507 | 97,922 | 15% |
| | Mar '16 | 81 | 208 | 0 | 904 | 1,112 | 84,366 | 174 | 14,681 | 99,047 | 15% |
| | Apr '16 | 82 | 50 | 0 | 904 | 954 | 85,193 | 247 | 14,928 | 100,121 | 15% |
| May '16 | 83 | 48 | 0 | 904 | 952 | 86,108 | 375 | 15,303 | 101,411 | 15% | |
| Jun '16 | 84 | 11 | 0 | 904 | 915 | 86,997 | 245 | 15,548 | 102,545 | 15% | |
| 2016/17 | Jul '16 | 85 | 18 | 0 | 904 | 922 | 87,904 | 99 | 15,647 | 103,551 | 15% |
| | Aug '16 | 86 | 32 | 0 | 904 | 936 | 88,804 | 289 | 15,936 | 104,740 | 15% |
| | Sep '16 | 87 | 9 | 0 | 904 | 913 | 89,682 | 551 | 16,487 | 106,169 | 16% |
| | Oct '16 | 88 | 105 | 0 | 904 | 1,009 | 90,657 | 392 | 16,879 | 107,536 | 16% |
| | Nov '16 | 89 | 65 | 0 | 904 | 969 | 91,590 | 688 | 17,567 | 109,157 | 16% |
| | Dec '16 | 90 | 336 | 0 | 904 | 1,240 | 92,804 | 548 | 18,115 | 110,919 | 16% |
| | Jan '17 | 91 | 588 | 0 | 904 | 1,492 | 94,274 | 431 | 18,546 | 112,820 | 16% |
| | Feb '17 | 92 | 235 | 0 | 904 | 1,139 | 95,394 | 381 | 18,927 | 114,321 | 17% |
| | Mar '17 | 93 | 11 | 0 | 904 | 915 | 96,301 | 760 | 19,687 | 115,988 | 17% |
| | Apr '17 | 94 | 24 | 0 | 904 | 928 | 97,225 | 513 | 20,200 | 117,425 | 17% |
| May '17 | 95 | 5 | 0 | 904 | 909 | 98,132 | 655 | 20,855 | 118,987 | 18% | |
| Jun '17 | 96 | 9 | 386 | 904 | 1,299 | 99,428 | 463 | 21,318 | 120,746 | 18% | |
| 2017/18 | Jul '17 | 97 | 5 | 246 | 904 | 1,154 | 100,583 | 225 | 21,543 | 122,126 | 18% |
| | Aug '17 | 98 | 15 | 418 | 904 | 1,337 | 101,917 | 208 | 21,751 | 123,668 | 18% |
| | Sep '17 | 99 | 15 | 201 | 904 | 1,119 | 103,033 | 223 | 21,974 | 125,007 | 18% |
| | Oct '17 | 100 | 4 | 31 | 904 | 938 | 103,962 | 53 | 22,027 | 125,990 | 17% |
| | Nov '17 | 101 | 0 | 0 | 904 | 904 | 104,819 | 31 | 22,058 | 126,877 | 17% |
| | Dec '17 | 102 | 1 | 0 | 904 | 905 | 105,616 | 67 | 22,125 | 127,741 | 17% |
| | Jan '18 | 103 | 92 | 0 | 904 | 995 | 106,446 | 67 | 22,192 | 128,638 | 17% |
| | Feb '18 | 104 | 19 | 0 | 904 | 923 | 107,239 | 12 | 22,204 | 129,443 | 17% |
| | Mar '18 | 105 | 119 | | 904 | 1,023 | 108,257 | 450 | 22,654 | 130,911 | 17% |
| | Apr '18 | 106 | 70 | | 904 | 974 | 109,228 | 500 | 23,154 | 132,381 | 17% |
| May '18 | 107 | 40 | | 904 | 944 | 110,137 | 530 | 23,684 | 133,821 | 18% | |
| Jun '18 | 108 | 21 | | 904 | 925 | 111,058 | 550 | 24,234 | 135,292 | 18% | |

HISTORICAL



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 | 34 | | 904 | 938 | 111,996 | 540 | 24,774 | 136,770 | 18% |
| | Aug '18 | 110 | 26 | | 904 | 930 | 112,910 | 540 | 25,314 | 138,224 | 18% |
| | Sep '18 | 111 | 36 | | 904 | 940 | 113,833 | 530 | 25,844 | 139,677 | 19% |
| | Oct '18 | 112 | 58 | | 904 | 962 | 114,782 | 510 | 26,354 | 141,136 | 19% |
| | Nov '18 | 113 | 72 | | 904 | 976 | 115,731 | 500 | 26,854 | 142,585 | 19% |
| | Dec '18 | 114 | 225 | | 904 | 1,129 | 116,704 | 350 | 27,204 | 143,908 | 19% |
| | Jan '19 | 115 | 180 | | 904 | 1,084 | 117,776 | 390 | 27,594 | 145,369 | 19% |
| | Feb '19 | 116 | 153 | | 904 | 1,057 | 118,559 | 420 | 28,014 | 146,573 | 19% |
| | Mar '19 | 117 | 119 | | 904 | 1,023 | 119,535 | 450 | 28,464 | 147,999 | 19% |
| | Apr '19 | 118 | 70 | | 904 | 974 | 120,491 | 500 | 28,964 | 149,455 | 19% |
| May '19 | 119 | 40 | | 904 | 944 | 121,429 | 530 | 29,494 | 150,922 | 20% | |
| Jun '19 | 120 | 21 | | 904 | 925 | 122,353 | 550 | 29,938 | 152,291 | 20% | |
| 2019/20 | Jul '19 | 121 | 34 | | 904 | 938 | 123,269 | 540 | 30,394 | 153,663 | 20% |
| | Aug '19 | 122 | 26 | | 904 | 930 | 124,169 | 540 | 30,786 | 154,955 | 20% |
| | Sep '19 | 123 | 36 | | 904 | 940 | 125,073 | 530 | 31,096 | 156,168 | 20% |
| | Oct '19 | 124 | 58 | | 904 | 962 | 125,008 | 510 | 31,403 | 156,410 | 20% |
| | Nov '19 | 125 | 72 | | 904 | 976 | 124,980 | 500 | 31,616 | 156,595 | 20% |
| | Dec '19 | 126 | 225 | | 904 | 1,129 | 124,832 | 350 | 31,863 | 156,694 | 20% |
| | Jan '20 | 127 | 180 | | 904 | 1,084 | 124,486 | 390 | 32,177 | 156,662 | 21% |
| | Feb '20 | 128 | 153 | | 904 | 1,057 | 124,269 | 420 | 32,484 | 156,752 | 21% |
| | Mar '20 | 129 | 119 | | 904 | 1,023 | 124,284 | 450 | 32,721 | 157,004 | 21% |
| | Apr '20 | 130 | 70 | | 904 | 974 | 124,226 | 500 | 33,150 | 157,375 | 21% |
| May '20 | 131 | 40 | | 904 | 944 | 124,217 | 530 | 33,408 | 157,624 | 21% | |
| Jun '20 | 132 | 21 | | 904 | 925 | 124,196 | 550 | 33,697 | 157,892 | 21% | |
| 2020/21 | Jul '20 | 133 | 34 | | 904 | 938 | 124,223 | 540 | 34,008 | 158,230 | 21% |
| | Aug '20 | 134 | 26 | | 904 | 930 | 124,243 | 540 | 34,367 | 158,609 | 22% |
| | Sep '20 | 135 | 36 | | 904 | 940 | 124,254 | 530 | 34,849 | 159,102 | 22% |
| | Oct '20 | 136 | 58 | | 904 | 962 | 124,241 | 510 | 35,336 | 159,576 | 22% |
| | Nov '20 | 137 | 72 | | 904 | 976 | 124,167 | 500 | 35,643 | 159,809 | 22% |
| | Dec '20 | 138 | 225 | | 904 | 1,129 | 123,648 | 350 | 35,871 | 159,518 | 22% |
| | Jan '21 | 139 | 180 | | 904 | 1,084 | 123,593 | 390 | 36,158 | 159,750 | 23% |
| | Feb '21 | 140 | 153 | | 904 | 1,057 | 123,431 | 420 | 36,401 | 159,831 | 23% |
| | Mar '21 | 141 | 119 | | 904 | 1,023 | 123,136 | 450 | 36,725 | 159,860 | 23% |
| | Apr '21 | 142 | 70 | | 904 | 974 | 123,064 | 500 | 36,988 | 160,051 | 23% |
| May '21 | 143 | 40 | | 904 | 944 | 122,743 | 530 | 37,342 | 160,084 | 23% | |
| Jun '21 | 144 | 21 | | 904 | 925 | 122,146 | 550 | 37,708 | 159,854 | 24% | |
| 2021/22 | Jul '21 | 145 | 34 | | 904 | 938 | 121,313 | 540 | 37,995 | 159,308 | 24% |
| | Aug '21 | 146 | 26 | | 904 | 930 | 121,021 | 540 | 38,520 | 159,541 | 24% |
| | Sep '21 | 147 | 36 | | 904 | 940 | 120,443 | 530 | 39,020 | 159,463 | 24% |
| | Oct '21 | 148 | 58 | | 904 | 962 | 120,280 | 510 | 39,348 | 159,628 | 25% |
| | Nov '21 | 149 | 72 | | 904 | 976 | 120,230 | 500 | 39,751 | 159,981 | 25% |
| | Dec '21 | 150 | 225 | | 904 | 1,129 | 120,377 | 350 | 39,937 | 160,314 | 25% |
| | Jan '22 | 151 | 180 | | 904 | 1,084 | 120,453 | 390 | 40,236 | 160,689 | 25% |
| | Feb '22 | 152 | 153 | | 904 | 1,057 | 120,430 | 420 | 40,496 | 160,926 | 25% |
| | Mar '22 | 153 | 119 | | 904 | 1,023 | 120,327 | 450 | 40,852 | 161,179 | 25% |
| | Apr '22 | 154 | 70 | | 904 | 974 | 120,177 | 500 | 41,205 | 161,382 | 26% |
| May '22 | 155 | 40 | | 904 | 944 | 120,156 | 530 | 41,360 | 161,516 | 26% | |
| Jun '22 | 156 | 21 | | 904 | 925 | 120,117 | 550 | 41,729 | 161,846 | 26% | |
| 2022/23 | Jul '22 | 157 | 34 | | 904 | 938 | 120,101 | 540 | 42,257 | 162,358 | 26% |
| | Aug '22 | 158 | 26 | | 904 | 930 | 120,115 | 540 | 42,797 | 162,912 | 26% |
| | Sep '22 | 159 | 36 | | 904 | 940 | 120,147 | 530 | 43,327 | 163,474 | 27% |
| | Oct '22 | 160 | 58 | | 904 | 962 | 120,187 | 510 | 43,837 | 164,024 | 27% |
| | Nov '22 | 161 | 72 | | 904 | 976 | 120,158 | 500 | 44,183 | 164,341 | 27% |
| | Dec '22 | 162 | 225 | | 904 | 1,129 | 120,022 | 350 | 44,313 | 164,335 | 27% |
| | Jan '23 | 163 | 180 | | 904 | 1,084 | 120,055 | 390 | 44,350 | 164,405 | 27% |
| | Feb '23 | 164 | 153 | | 904 | 1,057 | 120,095 | 420 | 44,473 | 164,568 | 27% |
| | Mar '23 | 165 | 119 | | 904 | 1,023 | 120,136 | 450 | 44,648 | 164,784 | 27% |
| | Apr '23 | 166 | 70 | | 904 | 974 | 120,166 | 500 | 44,762 | 164,928 | 27% |
| May '23 | 167 | 40 | | 904 | 944 | 120,152 | 530 | 45,030 | 165,182 | 27% | |
| Jun '23 | 168 | 21 | | 904 | 925 | 120,130 | 550 | 45,341 | 165,471 | 27% | |
| 2023/24 | Jul '23 | 169 | 34 | | 904 | 938 | 120,092 | 540 | 45,807 | 165,899 | 28% |
| | Aug '23 | 170 | 26 | | 904 | 930 | 120,050 | 540 | 46,131 | 166,181 | 28% |
| | Sep '23 | 171 | 36 | | 904 | 940 | 120,028 | 530 | 46,308 | 166,336 | 28% |
| | Oct '23 | 172 | 58 | | 904 | 962 | 120,033 | 510 | 46,654 | 166,687 | 28% |
| | Nov '23 | 173 | 72 | | 904 | 976 | 120,045 | 500 | 47,150 | 167,195 | 28% |
| | Dec '23 | 174 | 225 | | 904 | 1,129 | 120,198 | 350 | 47,249 | 167,447 | 28% |
| | Jan '24 | 175 | 180 | | 904 | 1,084 | 120,249 | 390 | 47,567 | 167,816 | 28% |
| | Feb '24 | 176 | 153 | | 904 | 1,057 | 120,205 | 420 | 47,987 | 168,192 | 29% |
| | Mar '24 | 177 | 119 | | 904 | 1,023 | 120,061 | 450 | 48,437 | 168,498 | 29% |
| | Apr '24 | 178 | 70 | | 904 | 974 | 120,045 | 500 | 48,888 | 168,933 | 29% |
| May '24 | 179 | 40 | | 904 | 944 | 120,082 | 530 | 49,418 | 169,500 | 29% | |
| Jun '24 | 180 | 21 | | 904 | 925 | 120,097 | 550 | 49,796 | 169,893 | 29% | |

P L A N E D



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|-----|----------------------------|
| 2024/25 | Jul '24 | 181 | 34 | | 904 | 938 | 540 | 50,152 | 170,274 | 29% | P L A N E D |
| | Aug '24 | 182 | 26 | | 904 | 930 | 540 | 50,500 | 170,625 | 30% | |
| | Sep '24 | 183 | 36 | | 904 | 940 | 530 | 50,787 | 170,908 | 30% | |
| | Oct '24 | 184 | 58 | | 904 | 962 | 510 | 50,962 | 171,116 | 30% | |
| | Nov '24 | 185 | 72 | | 904 | 976 | 500 | 51,212 | 171,326 | 30% | |
| | Dec '24 | 186 | 225 | | 904 | 1,129 | 350 | 51,556 | 171,476 | 30% | |
| | Jan '25 | 187 | 180 | | 904 | 1,084 | 390 | 51,917 | 171,885 | 30% | |
| | Feb '25 | 188 | 153 | | 904 | 1,057 | 420 | 52,094 | 172,120 | 30% | |
| | Mar '25 | 189 | 119 | | 904 | 1,023 | 450 | 52,219 | 172,295 | 30% | |
| | Apr '25 | 190 | 70 | | 904 | 974 | 500 | 52,437 | 172,542 | 30% | |
| | May '25 | 191 | 40 | | 904 | 944 | 530 | 52,619 | 172,643 | 30% | |
| | Jun '25 | 192 | 21 | | 904 | 925 | 550 | 52,638 | 172,671 | 30% | |
| 2025/26 | Jul '25 | 193 | 34 | | 904 | 938 | 540 | 52,910 | 172,843 | 31% | |
| | Aug '25 | 194 | 26 | | 904 | 930 | 540 | 53,309 | 173,237 | 31% | |
| | Sep '25 | 195 | 36 | | 904 | 940 | 530 | 53,620 | 173,461 | 31% | |
| | Oct '25 | 196 | 58 | | 904 | 962 | 510 | 53,767 | 173,580 | 31% | |
| | Nov '25 | 197 | 72 | | 904 | 976 | 500 | 54,039 | 173,870 | 31% | |
| | Dec '25 | 198 | 225 | | 904 | 1,129 | 350 | 54,115 | 173,983 | 31% | |
| | Jan '26 | 199 | 180 | | 904 | 1,084 | 390 | 54,115 | 173,924 | 31% | |
| | Feb '26 | 200 | 153 | | 904 | 1,057 | 420 | 54,177 | 174,085 | 31% | |
| | Mar '26 | 201 | 119 | | 904 | 1,023 | 450 | 54,453 | 174,272 | 31% | |
| | Apr '26 | 202 | 70 | | 904 | 974 | 500 | 54,706 | 174,545 | 31% | |
| | May '26 | 203 | 40 | | 904 | 944 | 530 | 54,861 | 174,692 | 31% | |
| | Jun '26 | 204 | 21 | | 904 | 925 | 550 | 55,166 | 175,007 | 32% | |
| 2026/27 | Jul '26 | 205 | 34 | | 904 | 938 | 540 | 55,607 | 175,464 | 32% | |
| | Aug '26 | 206 | 26 | | 904 | 930 | 540 | 55,858 | 175,709 | 32% | |
| | Sep '26 | 207 | 36 | | 904 | 940 | 530 | 55,837 | 175,715 | 32% | |
| | Oct '26 | 208 | 58 | | 904 | 962 | 510 | 55,955 | 175,786 | 32% | |
| | Nov '26 | 209 | 72 | | 904 | 976 | 500 | 55,767 | 175,605 | 32% | |
| | Dec '26 | 210 | 225 | | 904 | 1,129 | 350 | 55,569 | 175,296 | 32% | |
| | Jan '27 | 211 | 180 | | 904 | 1,084 | 390 | 55,528 | 174,847 | 32% | |
| | Feb '27 | 212 | 153 | | 904 | 1,057 | 420 | 55,567 | 174,804 | 32% | |
| | Mar '27 | 213 | 119 | | 904 | 1,023 | 450 | 55,257 | 174,602 | 32% | |
| | Apr '27 | 214 | 70 | | 904 | 974 | 500 | 55,244 | 174,635 | 32% | |
| | May '27 | 215 | 40 | | 904 | 944 | 530 | 55,119 | 174,545 | 32% | |
| | Jun '27 | 216 | 21 | | 904 | 925 | 550 | 55,206 | 174,258 | 32% | |
| 2027/28 | Jul '27 | 217 | 34 | | 904 | 938 | 540 | 55,521 | 174,357 | 32% | |
| | Aug '27 | 218 | 26 | | 904 | 930 | 540 | 55,853 | 174,281 | 32% | |
| | Sep '27 | 219 | 36 | | 904 | 940 | 530 | 56,160 | 174,409 | 32% | |
| | Oct '27 | 220 | 58 | | 904 | 962 | 510 | 56,616 | 174,889 | 32% | |
| | Nov '27 | 221 | 72 | | 904 | 976 | 500 | 57,086 | 175,430 | 33% | |
| | Dec '27 | 222 | 225 | | 904 | 1,129 | 350 | 57,369 | 175,937 | 33% | |
| | Jan '28 | 223 | 180 | | 904 | 1,084 | 390 | 57,692 | 176,349 | 33% | |
| | Feb '28 | 224 | 153 | | 904 | 1,057 | 420 | 58,100 | 176,891 | 33% | |
| | Mar '28 | 225 | 119 | | 904 | 1,023 | 450 | 58,100 | 176,891 | 33% | |
| | Apr '28 | 226 | 70 | | 904 | 974 | 500 | 58,100 | 176,891 | 33% | |
| | May '28 | 227 | 40 | | 904 | 944 | 530 | 58,100 | 176,891 | 33% | |
| | Jun '28 | 228 | 21 | | 904 | 925 | 550 | 58,100 | 176,891 | 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.

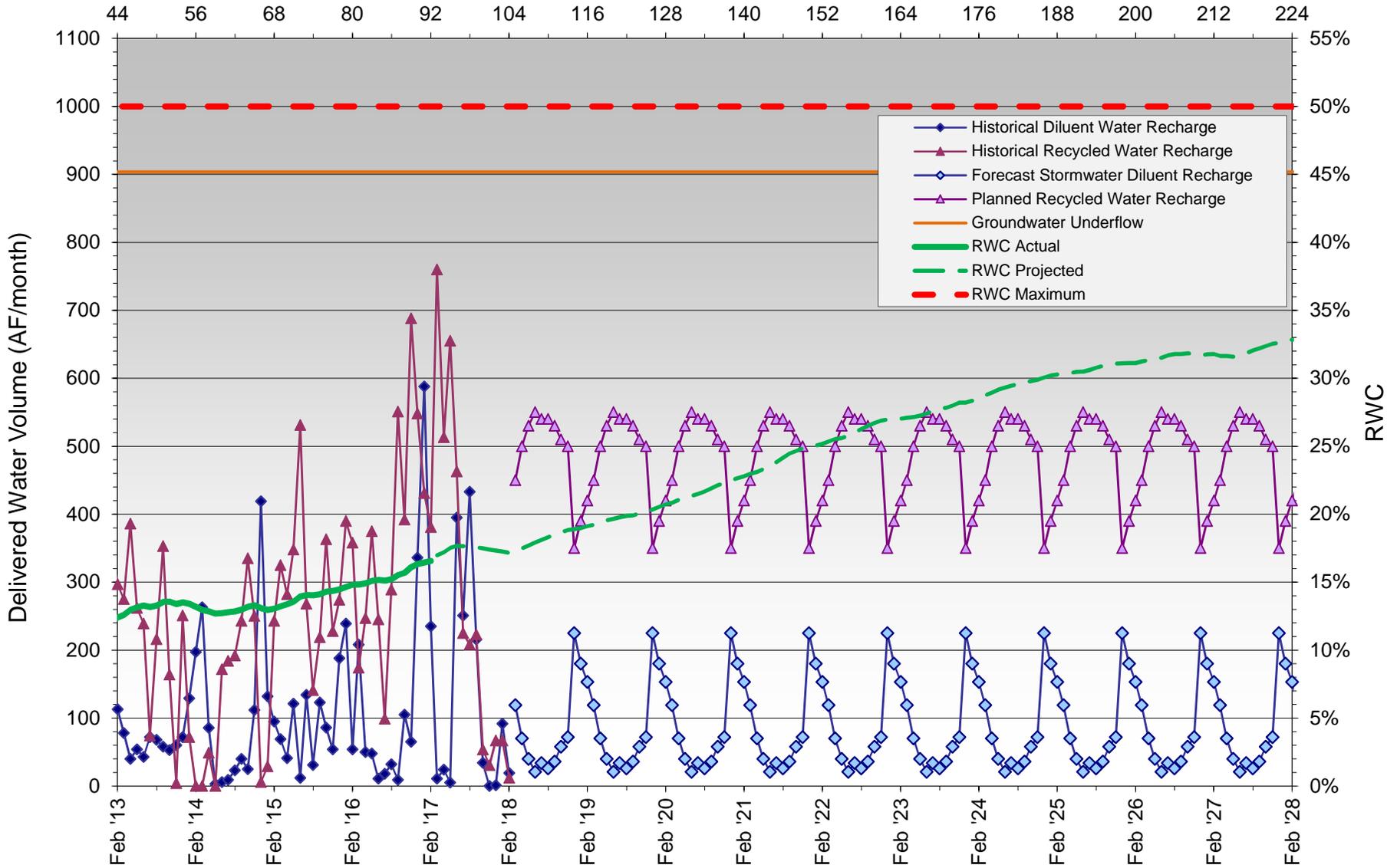
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



HISTORICAL RECHARGE

PLANNED RECHARGE



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 24 | 0 | 0 | 139 | 139 | 27,371 | 122 | 1,031 | 28,402 | 4% |
| | Aug '12 | 25 | 1 | 0 | 139 | 140 | 27,511 | 84 | 1,115 | 28,626 | 4% |
| | Sep '12 | 26 | 0 | 0 | 139 | 139 | 27,650 | 39 | 1,154 | 28,804 | 4% |
| | Oct '12 | 27 | 1 | 0 | 139 | 140 | 27,789 | 63 | 1,217 | 29,006 | 4% |
| | Nov '12 | 28 | 14 | 0 | 139 | 153 | 27,942 | 66 | 1,283 | 29,225 | 4% |
| | Dec '12 | 29 | 79 | 0 | 139 | 218 | 28,160 | 1 | 1,284 | 29,444 | 4% |
| | Jan '13 | 30 | 21 | 0 | 139 | 160 | 28,320 | 59 | 1,343 | 29,663 | 5% |
| | Feb '13 | 31 | 9 | 0 | 139 | 148 | 28,468 | 19 | 1,362 | 29,830 | 5% |
| | Mar '13 | 32 | 13 | 0 | 139 | 152 | 28,620 | 53 | 1,415 | 30,035 | 5% |
| | Apr '13 | 33 | 5 | 0 | 139 | 144 | 28,764 | 41 | 1,456 | 30,220 | 5% |
| | May '13 | 34 | 4 | 0 | 139 | 143 | 28,907 | 26 | 1,482 | 30,389 | 5% |
| | Jun '13 | 35 | 0 | 0 | 139 | 139 | 29,046 | 2 | 1,484 | 30,530 | 5% |
| 2013/14 | Jul '13 | 36 | 0 | 0 | 139 | 139 | 29,185 | 0 | 1,484 | 30,669 | 5% |
| | Aug '13 | 37 | 0 | 0 | 139 | 139 | 29,324 | 0 | 1,484 | 30,808 | 5% |
| | Sep '13 | 38 | 0 | 0 | 139 | 139 | 29,463 | 154 | 1,638 | 31,101 | 5% |
| | Oct '13 | 39 | 11 | 0 | 139 | 150 | 29,613 | 69 | 1,707 | 31,320 | 5% |
| | Nov '13 | 40 | 39 | 0 | 139 | 178 | 29,791 | 9 | 1,716 | 31,507 | 5% |
| | Dec '13 | 41 | 6 | 0 | 139 | 145 | 29,936 | 0 | 1,716 | 31,652 | 5% |
| | Jan '14 | 42 | 0 | 0 | 139 | 139 | 30,075 | 12 | 1,728 | 31,803 | 5% |
| | Feb '14 | 43 | 69 | 0 | 139 | 208 | 30,283 | 16 | 1,744 | 32,027 | 5% |
| | Mar '14 | 44 | 20 | 0 | 139 | 159 | 30,442 | 0 | 1,744 | 32,186 | 5% |
| | Apr '14 | 45 | 17 | 0 | 139 | 156 | 30,598 | 2 | 1,746 | 32,344 | 5% |
| | May '14 | 46 | 0 | 0 | 139 | 139 | 30,737 | 12 | 1,758 | 32,495 | 5% |
| | Jun '14 | 47 | 0 | 0 | 139 | 139 | 30,875 | 0 | 1,758 | 32,633 | 5% |
| 2014/15 | Jul '14 | 48 | 0 | 0 | 139 | 139 | 31,014 | 0 | 1,758 | 32,772 | 5% |
| | Aug '14 | 49 | 6 | 0 | 139 | 145 | 31,159 | 0 | 1,758 | 32,917 | 5% |
| | Sep '14 | 50 | 1 | 0 | 139 | 140 | 31,299 | 1 | 1,759 | 33,058 | 5% |
| | Oct '14 | 51 | 0 | 0 | 139 | 139 | 31,438 | 0 | 1,759 | 33,197 | 5% |
| | Nov '14 | 52 | 18 | 0 | 139 | 157 | 31,595 | 0 | 1,759 | 33,354 | 5% |
| | Dec '14 | 53 | 247 | 0 | 139 | 386 | 31,981 | 0 | 1,759 | 33,740 | 5% |
| | Jan '15 | 54 | -6 | 0 | 139 | 133 | 32,114 | 0 | 1,759 | 33,873 | 5% |
| | Feb '15 | 55 | 39 | 0 | 139 | 178 | 32,292 | 0 | 1,759 | 34,051 | 5% |
| | Mar '15 | 56 | 2 | 0 | 139 | 141 | 32,433 | 0 | 1,759 | 34,192 | 5% |
| | Apr '15 | 57 | 0 | 0 | 139 | 139 | 32,572 | 0 | 1,759 | 34,331 | 5% |
| | May '15 | 58 | 17 | 0 | 139 | 156 | 32,334 | 0 | 1,759 | 34,093 | 5% |
| | Jun '15 | 59 | 0 | 0 | 139 | 139 | 31,282 | 0 | 1,759 | 33,041 | 5% |
| 2015/16 | Jul '15 | 60 | 9 | 0 | 139 | 148 | 30,995 | 0 | 1,759 | 32,754 | 5% |
| | Aug '15 | 61 | 0 | 0 | 139 | 139 | 30,921 | 0 | 1,759 | 32,680 | 5% |
| | Sep '15 | 62 | 53 | 0 | 139 | 192 | 30,555 | 0 | 1,759 | 32,314 | 5% |
| | Oct '15 | 63 | 47 | 0 | 139 | 186 | 30,166 | 0 | 1,759 | 31,925 | 6% |
| | Nov '15 | 64 | 1 | 0 | 139 | 140 | 29,164 | 0 | 1,759 | 30,923 | 6% |
| | Dec '15 | 65 | 80 | 0 | 139 | 219 | 28,396 | 0 | 1,759 | 30,155 | 6% |
| | Jan '16 | 66 | 244 | 0 | 139 | 383 | 27,811 | 0 | 1,759 | 29,570 | 6% |
| | Feb '16 | 67 | 33 | 0 | 139 | 172 | 26,859 | 0 | 1,759 | 28,618 | 6% |
| | Mar '16 | 68 | 88 | 0 | 139 | 227 | 26,122 | 0 | 1,759 | 27,881 | 6% |
| | Apr '16 | 69 | 29 | 0 | 139 | 168 | 25,103 | 0 | 1,759 | 26,862 | 7% |
| | May '16 | 70 | 1 | 0 | 139 | 140 | 23,857 | 0 | 1,759 | 25,616 | 7% |
| | Jun '16 | 71 | 0 | 0 | 139 | 139 | 23,047 | 0 | 1,759 | 24,806 | 7% |
| 2016/17 | Jul '16 | 72 | 0 | 0 | 139 | 139 | 23,171 | 0 | 1,759 | 24,930 | 7% |
| | Aug '16 | 73 | 0 | 0 | 139 | 139 | 22,280 | 0 | 1,759 | 24,039 | 7% |
| | Sep '16 | 74 | 0 | 0 | 139 | 139 | 21,413 | 0 | 1,759 | 23,172 | 8% |
| | Oct '16 | 75 | 16 | 0 | 139 | 155 | 20,557 | 0 | 1,759 | 22,316 | 8% |
| | Nov '16 | 76 | 12 | 14 | 139 | 165 | 20,157 | 0 | 1,759 | 21,916 | 8% |
| | Dec '16 | 77 | 156 | 0 | 139 | 295 | 19,433 | 0 | 1,759 | 21,192 | 8% |
| | Jan '17 | 78 | 488 | 0 | 139 | 627 | 19,123 | 0 | 1,759 | 20,882 | 8% |
| | Feb '17 | 79 | 93 | 0 | 278 | 371 | 19,152 | 0 | 1,759 | 20,911 | 8% |
| | Mar '17 | 80 | 3 | 0 | 278 | 281 | 19,428 | 0 | 1,759 | 21,187 | 8% |
| | Apr '17 | 81 | 1 | 0 | 278 | 279 | 19,704 | 0 | 1,759 | 21,463 | 8% |
| | May '17 | 82 | 16 | 0 | 278 | 294 | 19,967 | 0 | 1,759 | 21,726 | 8% |
| | Jun '17 | 83 | 0 | 526 | 278 | 804 | 20,741 | 0 | 1,759 | 22,500 | 8% |
| 2017/18 | Jul '17 | 84 | 0 | 567 | 278 | 845 | 21,585 | 0 | 1,759 | 23,344 | 8% |
| | Aug '17 | 85 | 48 | 117 | 278 | 443 | 22,028 | 0 | 1,759 | 23,787 | 7% |
| | Sep '17 | 86 | 0 | 151 | 278 | 429 | 22,454 | 0 | 1,759 | 24,213 | 7% |
| | Oct '17 | 87 | 0 | 503 | 278 | 780 | 23,229 | 0 | 1,759 | 24,988 | 7% |
| | Nov '17 | 88 | 0 | 54 | 278 | 332 | 23,524 | 0 | 1,759 | 25,283 | 7% |
| | Dec '17 | 89 | 0 | 1,104 | 278 | 1,382 | 24,831 | 0 | 1,759 | 26,590 | 7% |
| | Jan '18 | 90 | 104 | 893 | 278 | 1,275 | 25,553 | 0 | 1,759 | 27,312 | 6% |
| | Feb '18 | 91 | 21 | 0 | 278 | 299 | 25,823 | 0 | 1,759 | 27,582 | 6% |
| | Mar '18 | 92 | 83 | 0 | 278 | 361 | 26,184 | 0 | 1,759 | 27,943 | 6% |
| | Apr '18 | 93 | 114 | 0 | 278 | 392 | 26,576 | 0 | 1,759 | 28,335 | 6% |
| | May '18 | 94 | 22 | 0 | 278 | 300 | 26,829 | 0 | 1,759 | 28,588 | 6% |
| | Jun '18 | 95 | 3 | 0 | 278 | 281 | 27,109 | 0 | 1,759 | 28,868 | 6% |

H I S T O R I C A L



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 | 1 | | 278 | 279 | 27,388 | 150 | 1,909 | 29,297 | 7% |
| | Aug '18 | 97 | 4 | | 278 | 282 | 27,670 | 150 | 2,059 | 29,729 | 7% |
| | Sep '18 | 98 | 4 | | 278 | 282 | 27,952 | 150 | 2,209 | 30,161 | 7% |
| | Oct '18 | 99 | 22 | | 278 | 300 | 28,252 | 130 | 2,339 | 30,591 | 8% |
| | Nov '18 | 100 | 20 | | 278 | 298 | 28,542 | 130 | 2,469 | 31,011 | 8% |
| | Dec '18 | 101 | 134 | | 278 | 412 | 28,868 | 20 | 2,489 | 31,357 | 8% |
| | Jan '19 | 102 | 141 | | 278 | 419 | 29,271 | 10 | 2,499 | 31,770 | 8% |
| | Feb '19 | 103 | 79 | | 278 | 357 | 29,521 | 70 | 2,569 | 32,090 | 8% |
| | Mar '19 | 104 | 83 | | 278 | 361 | 29,874 | 70 | 2,639 | 32,513 | 8% |
| | Apr '19 | 105 | 114 | | 278 | 392 | 30,265 | 40 | 2,679 | 32,944 | 8% |
| | May '19 | 106 | 22 | | 278 | 300 | 30,565 | 130 | 2,809 | 33,374 | 8% |
| | Jun '19 | 107 | 3 | | 278 | 281 | 30,846 | 150 | 2,959 | 33,805 | 9% |
| 2019/20 | Jul '19 | 108 | 1 | | 278 | 279 | 31,125 | 150 | 3,109 | 34,234 | 9% |
| | Aug '19 | 109 | 4 | | 278 | 282 | 31,407 | 150 | 3,259 | 34,666 | 9% |
| | Sep '19 | 110 | 4 | | 278 | 282 | 31,689 | 150 | 3,409 | 35,098 | 10% |
| | Oct '19 | 111 | 22 | | 278 | 300 | 31,933 | 130 | 3,539 | 35,472 | 10% |
| | Nov '19 | 112 | 20 | | 278 | 298 | 32,210 | 130 | 3,669 | 35,879 | 10% |
| | Dec '19 | 113 | 134 | | 278 | 412 | 32,288 | 20 | 3,689 | 35,977 | 10% |
| | Jan '20 | 114 | 141 | | 278 | 419 | 32,417 | 10 | 3,699 | 36,116 | 10% |
| | Feb '20 | 115 | 79 | | 278 | 357 | 32,551 | 70 | 3,769 | 36,320 | 10% |
| | Mar '20 | 116 | 83 | | 278 | 361 | 32,895 | 70 | 3,839 | 36,734 | 10% |
| | Apr '20 | 117 | 114 | | 278 | 392 | 33,234 | 40 | 3,879 | 37,113 | 10% |
| | May '20 | 118 | 22 | | 278 | 300 | 33,534 | 130 | 4,009 | 37,543 | 11% |
| | Jun '20 | 119 | 3 | | 278 | 281 | 33,815 | 150 | 4,159 | 37,974 | 11% |
| 2020/21 | Jul '20 | 120 | 1 | | 278 | 279 | 34,094 | 150 | 4,259 | 38,353 | 11% |
| | Aug '20 | 121 | 4 | | 278 | 282 | 34,376 | 150 | 4,365 | 38,741 | 11% |
| | Sep '20 | 122 | 4 | | 278 | 282 | 34,658 | 150 | 4,473 | 39,131 | 11% |
| | Oct '20 | 123 | 22 | | 278 | 300 | 34,863 | 130 | 4,530 | 39,393 | 11% |
| | Nov '20 | 124 | 20 | | 278 | 298 | 34,941 | 130 | 4,647 | 39,588 | 12% |
| | Dec '20 | 125 | 134 | | 278 | 412 | 34,637 | 20 | 4,635 | 39,272 | 12% |
| | Jan '21 | 126 | 141 | | 278 | 419 | 34,904 | 10 | 4,573 | 39,477 | 12% |
| | Feb '21 | 127 | 79 | | 278 | 357 | 34,979 | 70 | 4,643 | 39,622 | 12% |
| | Mar '21 | 128 | 83 | | 278 | 361 | 35,067 | 70 | 4,713 | 39,780 | 12% |
| | Apr '21 | 129 | 114 | | 278 | 392 | 35,320 | 40 | 4,753 | 40,073 | 12% |
| | May '21 | 130 | 22 | | 278 | 300 | 34,936 | 130 | 4,847 | 39,783 | 12% |
| | Jun '21 | 131 | 3 | | 278 | 281 | 33,909 | 150 | 4,963 | 38,872 | 13% |
| 2021/22 | Jul '21 | 132 | 1 | | 278 | 279 | 33,038 | 150 | 5,000 | 38,038 | 13% |
| | Aug '21 | 133 | 4 | | 278 | 282 | 33,170 | 150 | 5,060 | 38,230 | 13% |
| | Sep '21 | 134 | 4 | | 278 | 282 | 33,108 | 150 | 5,210 | 38,318 | 14% |
| | Oct '21 | 135 | 22 | | 278 | 300 | 33,230 | 130 | 5,340 | 38,570 | 14% |
| | Nov '21 | 136 | 20 | | 278 | 298 | 33,356 | 130 | 5,470 | 38,826 | 14% |
| | Dec '21 | 137 | 134 | | 278 | 412 | 33,609 | 20 | 5,490 | 39,099 | 14% |
| | Jan '22 | 138 | 141 | | 278 | 419 | 33,834 | 10 | 5,341 | 39,175 | 14% |
| | Feb '22 | 139 | 79 | | 278 | 357 | 33,998 | 70 | 5,337 | 39,335 | 14% |
| | Mar '22 | 140 | 83 | | 278 | 361 | 34,060 | 70 | 5,391 | 39,451 | 14% |
| | Apr '22 | 141 | 114 | | 278 | 392 | 34,237 | 40 | 5,427 | 39,664 | 14% |
| | May '22 | 142 | 22 | | 278 | 300 | 34,398 | 130 | 5,554 | 39,952 | 14% |
| | Jun '22 | 143 | 3 | | 278 | 281 | 34,540 | 150 | 5,650 | 40,190 | 14% |
| 2022/23 | Jul '22 | 144 | 1 | | 278 | 279 | 34,680 | 150 | 5,678 | 40,358 | 14% |
| | Aug '22 | 145 | 4 | | 278 | 282 | 34,822 | 150 | 5,744 | 40,566 | 14% |
| | Sep '22 | 146 | 4 | | 278 | 282 | 34,965 | 150 | 5,855 | 40,820 | 14% |
| | Oct '22 | 147 | 22 | | 278 | 300 | 35,125 | 130 | 5,922 | 41,047 | 14% |
| | Nov '22 | 148 | 20 | | 278 | 298 | 35,270 | 130 | 5,986 | 41,256 | 15% |
| | Dec '22 | 149 | 134 | | 278 | 412 | 35,464 | 20 | 6,005 | 41,469 | 14% |
| | Jan '23 | 150 | 141 | | 278 | 419 | 35,723 | 10 | 5,956 | 41,679 | 14% |
| | Feb '23 | 151 | 79 | | 278 | 357 | 35,932 | 70 | 6,007 | 41,939 | 14% |
| | Mar '23 | 152 | 83 | | 278 | 361 | 36,141 | 70 | 6,024 | 42,165 | 14% |
| | Apr '23 | 153 | 114 | | 278 | 392 | 36,389 | 40 | 6,023 | 42,412 | 14% |
| | May '23 | 154 | 22 | | 278 | 300 | 36,546 | 130 | 6,127 | 42,673 | 14% |
| | Jun '23 | 155 | 3 | | 278 | 281 | 36,688 | 150 | 6,275 | 42,963 | 15% |
| 2023/24 | Jul '23 | 156 | 1 | | 278 | 279 | 36,828 | 150 | 6,425 | 43,253 | 15% |
| | Aug '23 | 157 | 4 | | 278 | 282 | 36,970 | 150 | 6,575 | 43,545 | 15% |
| | Sep '23 | 158 | 4 | | 278 | 282 | 37,113 | 150 | 6,571 | 43,684 | 15% |
| | Oct '23 | 159 | 22 | | 278 | 300 | 37,263 | 130 | 6,632 | 43,895 | 15% |
| | Nov '23 | 160 | 20 | | 278 | 298 | 37,383 | 130 | 6,753 | 44,136 | 15% |
| | Dec '23 | 161 | 134 | | 278 | 412 | 37,650 | 20 | 6,773 | 44,423 | 15% |
| | Jan '24 | 162 | 141 | | 278 | 419 | 37,930 | 10 | 6,771 | 44,701 | 15% |
| | Feb '24 | 163 | 79 | | 278 | 357 | 38,079 | 70 | 6,825 | 44,904 | 15% |
| | Mar '24 | 164 | 83 | | 278 | 361 | 38,281 | 70 | 6,895 | 45,176 | 15% |
| | Apr '24 | 165 | 114 | | 278 | 392 | 38,517 | 40 | 6,933 | 45,450 | 15% |
| | May '24 | 166 | 22 | | 278 | 300 | 38,678 | 130 | 7,051 | 45,729 | 15% |
| | Jun '24 | 167 | 3 | | 278 | 281 | 38,820 | 150 | 7,201 | 46,021 | 16% |

P L A N N E D



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2024/25 | Jul '24 | 168 | 1 | | 278 | 279 | 38,960 | 150 | 7,351 | 46,311 | 16% |
| | Aug '24 | 169 | 4 | | 278 | 282 | 39,097 | 150 | 7,501 | 46,598 | 16% |
| | Sep '24 | 170 | 4 | | 278 | 282 | 39,239 | 150 | 7,650 | 46,889 | 16% |
| | Oct '24 | 171 | 22 | | 278 | 300 | 39,400 | 130 | 7,780 | 47,180 | 16% |
| | Nov '24 | 172 | 20 | | 278 | 298 | 39,541 | 130 | 7,910 | 47,451 | 17% |
| | Dec '24 | 173 | 134 | | 278 | 412 | 39,567 | 20 | 7,930 | 47,497 | 17% |
| | Jan '25 | 174 | 141 | | 278 | 419 | 39,853 | 10 | 7,940 | 47,793 | 17% |
| | Feb '25 | 175 | 79 | | 278 | 357 | 40,032 | 70 | 8,010 | 48,042 | 17% |
| | Mar '25 | 176 | 83 | | 278 | 361 | 40,252 | 70 | 8,080 | 48,332 | 17% |
| | Apr '25 | 177 | 114 | | 278 | 392 | 40,505 | 40 | 8,120 | 48,625 | 17% |
| May '25 | 178 | 22 | | 278 | 300 | 40,648 | 130 | 8,250 | 48,898 | 17% | |
| Jun '25 | 179 | 3 | | 278 | 281 | 40,790 | 150 | 8,400 | 49,190 | 17% | |
| 2025/26 | Jul '25 | 180 | 1 | | 278 | 279 | 40,921 | 150 | 8,550 | 49,471 | 17% |
| | Aug '25 | 181 | 4 | | 278 | 282 | 41,064 | 150 | 8,700 | 49,764 | 17% |
| | Sep '25 | 182 | 4 | | 278 | 282 | 41,154 | 150 | 8,850 | 50,004 | 18% |
| | Oct '25 | 183 | 22 | | 278 | 300 | 41,268 | 130 | 8,980 | 50,248 | 18% |
| | Nov '25 | 184 | 20 | | 278 | 298 | 41,426 | 130 | 9,110 | 50,536 | 18% |
| | Dec '25 | 185 | 134 | | 278 | 412 | 41,619 | 20 | 9,130 | 50,749 | 18% |
| | Jan '26 | 186 | 141 | | 278 | 419 | 41,655 | 10 | 9,140 | 50,795 | 18% |
| | Feb '26 | 187 | 79 | | 278 | 357 | 41,840 | 70 | 9,210 | 51,050 | 18% |
| | Mar '26 | 188 | 83 | | 278 | 361 | 41,974 | 70 | 9,280 | 51,254 | 18% |
| | Apr '26 | 189 | 114 | | 278 | 392 | 42,198 | 40 | 9,320 | 51,518 | 18% |
| May '26 | 190 | 22 | | 278 | 300 | 42,358 | 130 | 9,450 | 51,808 | 18% | |
| Jun '26 | 191 | 3 | | 278 | 281 | 42,500 | 150 | 9,600 | 52,100 | 18% | |
| 2026/27 | Jul '26 | 192 | 1 | | 278 | 279 | 42,640 | 150 | 9,750 | 52,390 | 19% |
| | Aug '26 | 193 | 4 | | 278 | 282 | 42,783 | 150 | 9,900 | 52,683 | 19% |
| | Sep '26 | 194 | 4 | | 278 | 282 | 42,926 | 150 | 10,050 | 52,976 | 19% |
| | Oct '26 | 195 | 22 | | 278 | 300 | 43,071 | 130 | 10,180 | 53,251 | 19% |
| | Nov '26 | 196 | 20 | | 278 | 298 | 43,204 | 130 | 10,310 | 53,514 | 19% |
| | Dec '26 | 197 | 134 | | 278 | 412 | 43,321 | 20 | 10,330 | 53,651 | 19% |
| | Jan '27 | 198 | 141 | | 278 | 419 | 43,112 | 10 | 10,340 | 53,452 | 19% |
| | Feb '27 | 199 | 79 | | 278 | 357 | 43,098 | 70 | 10,410 | 53,508 | 19% |
| | Mar '27 | 200 | 83 | | 278 | 361 | 43,178 | 70 | 10,480 | 53,658 | 20% |
| | Apr '27 | 201 | 114 | | 278 | 392 | 43,291 | 40 | 10,520 | 53,811 | 20% |
| May '27 | 202 | 22 | | 278 | 300 | 43,297 | 130 | 10,650 | 53,947 | 20% | |
| Jun '27 | 203 | 3 | | 278 | 281 | 42,774 | 150 | 10,800 | 53,574 | 20% | |
| 2027/28 | Jul '27 | 204 | 1 | | 278 | 279 | 42,209 | 150 | 10,950 | 53,159 | 21% |
| | Aug '27 | 205 | 4 | | 278 | 282 | 42,048 | 150 | 11,100 | 53,148 | 21% |
| | Sep '27 | 206 | 4 | | 278 | 282 | 41,901 | 150 | 11,250 | 53,151 | 21% |
| | Oct '27 | 207 | 22 | | 278 | 300 | 41,421 | 130 | 11,380 | 52,801 | 22% |
| | Nov '27 | 208 | 20 | | 278 | 298 | 41,386 | 130 | 11,510 | 52,896 | 22% |
| | Dec '27 | 209 | 134 | | 278 | 412 | 40,416 | 20 | 11,530 | 51,946 | 22% |
| | Jan '28 | 210 | 141 | | 278 | 419 | 39,561 | 10 | 11,540 | 51,101 | 23% |
| | Feb '28 | 211 | 79 | | 278 | 357 | 39,618 | 70 | 11,610 | 51,228 | 23% |
| | Mar '28 | 212 | 79 | | 278 | 357 | 39,614 | 70 | 11,680 | 51,294 | 23% |
| | Apr '28 | 213 | 79 | | 278 | 357 | 39,579 | 40 | 11,720 | 51,299 | 23% |
| May '28 | 214 | 79 | | 278 | 357 | 39,636 | 130 | 11,850 | 51,486 | 23% | |
| Jun '28 | 215 | 79 | | 278 | 357 | 39,712 | 150 | 12,000 | 51,712 | 23% | |

P L A N N E D

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.

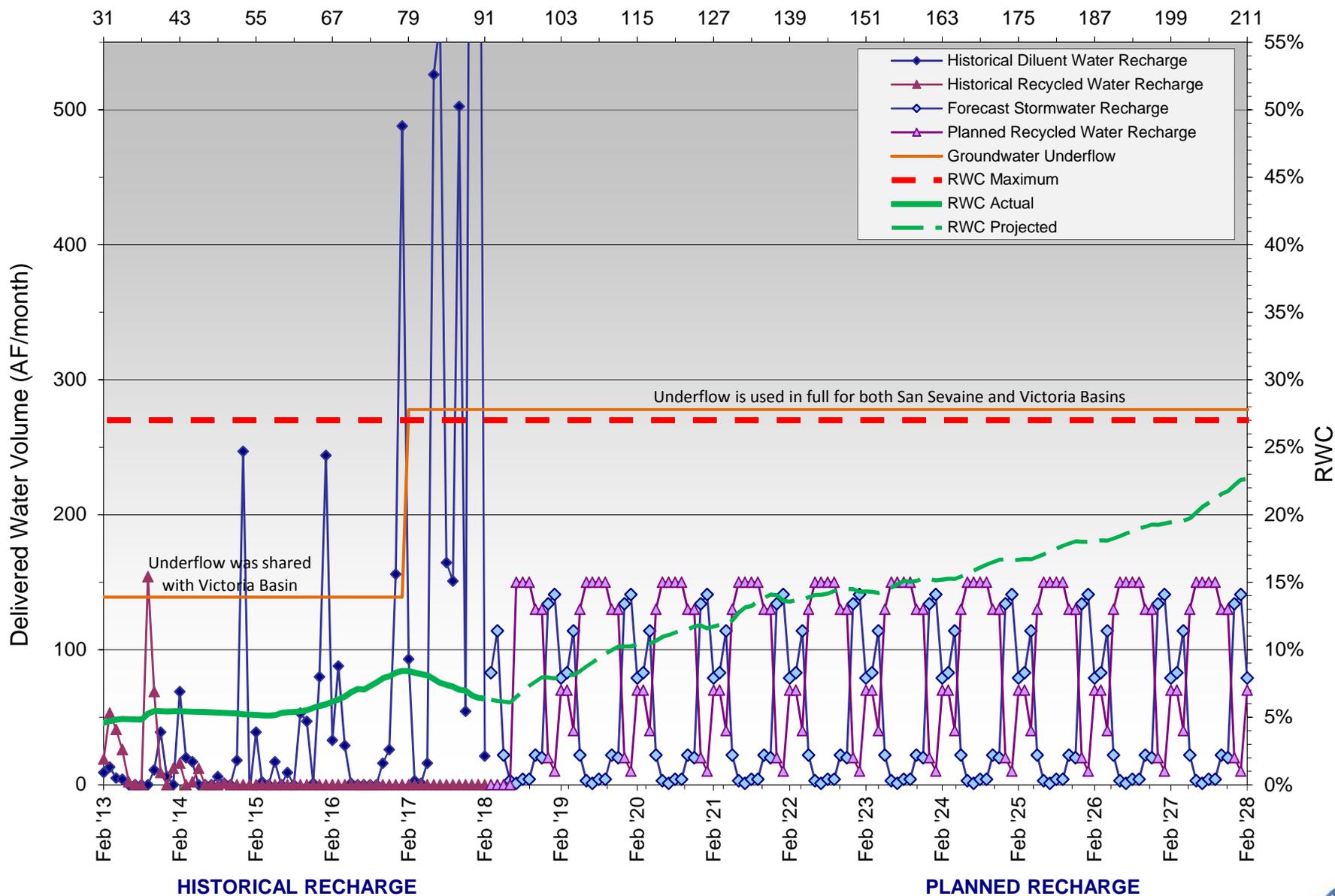
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 72 | 83 | 0 | 67 | 150 | 12,734 | 0 | 893 | 13,628 | 7% |
| | Aug '12 | 73 | 36 | 0 | 67 | 103 | 12,838 | 0 | 893 | 13,731 | 7% |
| | Sep '12 | 74 | 31 | 0 | 67 | 98 | 12,936 | 0 | 893 | 13,829 | 6% |
| | Oct '12 | 75 | 61 | 0 | 67 | 128 | 13,064 | 0 | 893 | 13,958 | 6% |
| | Nov '12 | 76 | 61 | 0 | 67 | 128 | 13,183 | 0 | 893 | 14,076 | 6% |
| | Dec '12 | 77 | 290 | 0 | 67 | 357 | 13,509 | 0 | 893 | 14,403 | 6% |
| | Jan '13 | 78 | 149 | 0 | 67 | 216 | 13,726 | 0 | 893 | 14,619 | 6% |
| | Feb '13 | 79 | 116 | 0 | 67 | 183 | 13,879 | 26 | 919 | 14,799 | 6% |
| | Mar '13 | 80 | 48 | 0 | 67 | 115 | 13,962 | 21 | 940 | 14,903 | 6% |
| | Apr '13 | 81 | 0 | 0 | 67 | 67 | 13,992 | 0 | 940 | 14,932 | 6% |
| May '13 | 82 | 0 | 0 | 67 | 67 | 14,007 | 0 | 940 | 14,947 | 6% | |
| Jun '13 | 83 | 0 | 0 | 67 | 67 | 14,074 | 0 | 940 | 15,015 | 6% | |
| 2013/14 | Jul '13 | 84 | 0 | 0 | 67 | 67 | 14,142 | 0 | 940 | 15,082 | 6% |
| | Aug '13 | 85 | 0 | 0 | 67 | 67 | 14,209 | 0 | 940 | 15,149 | 6% |
| | Sep '13 | 86 | 0 | 0 | 67 | 67 | 14,276 | 0 | 940 | 15,216 | 6% |
| | Oct '13 | 87 | 0 | 0 | 67 | 67 | 14,343 | 0 | 940 | 15,284 | 6% |
| | Nov '13 | 88 | 0 | 0 | 67 | 67 | 14,411 | 0 | 940 | 15,351 | 6% |
| | Dec '13 | 89 | 72 | 0 | 67 | 139 | 14,550 | 174 | 1,114 | 15,664 | 7% |
| | Jan '14 | 90 | 45 | 0 | 67 | 112 | 14,662 | 102 | 1,216 | 15,879 | 8% |
| | Feb '14 | 91 | 94 | 0 | 67 | 161 | 14,824 | 70 | 1,286 | 16,110 | 8% |
| | Mar '14 | 92 | 63 | 0 | 67 | 130 | 14,954 | 20 | 1,306 | 16,260 | 8% |
| | Apr '14 | 93 | 61 | 0 | 67 | 128 | 15,082 | 105 | 1,411 | 16,493 | 9% |
| May '14 | 94 | 21 | 0 | 67 | 88 | 15,170 | 136 | 1,547 | 16,718 | 9% | |
| Jun '14 | 95 | 23 | 0 | 67 | 90 | 15,261 | 32 | 1,579 | 16,840 | 9% | |
| 2014/15 | Jul '14 | 96 | 0 | 0 | 67 | 67 | 15,328 | 0 | 1,579 | 16,907 | 9% |
| | Aug '14 | 97 | 76 | 0 | 67 | 143 | 15,471 | 205 | 1,784 | 17,255 | 10% |
| | Sep '14 | 98 | 54 | 0 | 67 | 121 | 15,592 | 128 | 1,912 | 17,505 | 11% |
| | Oct '14 | 99 | 39 | 0 | 67 | 106 | 15,638 | 63 | 1,975 | 17,614 | 11% |
| | Nov '14 | 100 | 108 | 0 | 67 | 175 | 15,683 | 58 | 2,033 | 17,716 | 11% |
| | Dec '14 | 101 | 255 | 0 | 67 | 322 | 15,839 | 2 | 2,035 | 17,875 | 11% |
| | Jan '15 | 102 | 117 | 0 | 67 | 184 | 15,927 | 0 | 2,035 | 17,962 | 11% |
| | Feb '15 | 103 | 93 | 0 | 67 | 160 | 16,000 | 60 | 2,095 | 18,095 | 12% |
| | Mar '15 | 104 | 52 | 0 | 67 | 119 | 16,054 | 143 | 2,238 | 18,292 | 12% |
| | Apr '15 | 105 | 0 | 0 | 67 | 67 | 16,121 | 0 | 2,238 | 18,359 | 12% |
| May '15 | 106 | 0 | 0 | 67 | 67 | 16,188 | 0 | 2,238 | 18,426 | 12% | |
| Jun '15 | 107 | 0 | 0 | 67 | 67 | 16,255 | 0 | 2,238 | 18,493 | 12% | |
| 2015/16 | Jul '15 | 108 | 0 | 0 | 67 | 67 | 16,322 | 0 | 2,238 | 18,560 | 12% |
| | Aug '15 | 109 | 1 | 0 | 67 | 68 | 16,390 | 0 | 2,238 | 18,629 | 12% |
| | Sep '15 | 110 | 120 | 0 | 67 | 187 | 16,488 | 145 | 2,383 | 18,872 | 13% |
| | Oct '15 | 111 | 98 | 0 | 67 | 165 | 16,558 | 238 | 2,621 | 19,180 | 14% |
| | Nov '15 | 112 | 45 | 0 | 67 | 112 | 16,492 | 79 | 2,700 | 19,193 | 14% |
| | Dec '15 | 113 | 105 | 0 | 67 | 172 | 16,305 | 224 | 2,924 | 19,230 | 15% |
| | Jan '16 | 114 | 269 | 0 | 67 | 336 | 16,380 | 102 | 3,026 | 19,406 | 16% |
| | Feb '16 | 115 | 51 | 0 | 67 | 118 | 16,346 | 198 | 3,224 | 19,570 | 16% |
| | Mar '16 | 116 | 165 | 0 | 67 | 232 | 16,152 | 161 | 3,385 | 19,537 | 17% |
| | Apr '16 | 117 | 19 | 0 | 67 | 86 | 15,848 | 128 | 3,513 | 19,362 | 18% |
| May '16 | 118 | 38 | 0 | 67 | 105 | 15,857 | 156 | 3,669 | 19,526 | 19% | |
| Jun '16 | 119 | 5 | 0 | 67 | 72 | 15,918 | 159 | 3,828 | 19,746 | 19% | |
| 2016/17 | Jul '16 | 120 | 4 | 0 | 67 | 71 | 15,926 | 89 | 3,895 | 19,821 | 20% |
| | Aug '16 | 121 | 22 | 0 | 67 | 89 | 15,995 | 52 | 3,834 | 19,829 | 19% |
| | Sep '16 | 122 | 18 | 0 | 67 | 85 | 15,974 | 40 | 3,760 | 19,733 | 19% |
| | Oct '16 | 123 | 38 | 0 | 67 | 105 | 15,915 | 104 | 3,864 | 19,778 | 20% |
| | Nov '16 | 124 | 68 | 16 | 67 | 152 | 16,037 | 12 | 3,876 | 19,913 | 19% |
| | Dec '16 | 125 | 239 | 0 | 67 | 306 | 16,313 | 71 | 3,843 | 20,157 | 19% |
| | Jan '17 | 126 | 233 | 0 | 67 | 300 | 16,586 | 0 | 3,773 | 20,359 | 19% |
| | Feb '17 | 127 | 130 | 0 | 67 | 197 | 16,769 | 66 | 3,795 | 20,563 | 18% |
| | Mar '17 | 128 | 14 | 0 | 67 | 81 | 16,824 | 139 | 3,877 | 20,701 | 19% |
| | Apr '17 | 129 | 9 | 0 | 67 | 76 | 16,895 | 110 | 3,973 | 20,868 | 19% |
| May '17 | 130 | 6 | 0 | 67 | 73 | 16,957 | 56 | 3,950 | 20,907 | 19% | |
| Jun '17 | 131 | 3 | 0 | 67 | 70 | 17,026 | 90 | 4,037 | 21,063 | 19% | |
| 2017/18 | Jul '17 | 132 | 3 | 0 | 67 | 70 | 17,092 | 156 | 4,193 | 21,285 | 20% |
| | Aug '17 | 133 | 3 | 0 | 67 | 70 | 17,125 | 43 | 4,236 | 21,361 | 20% |
| | Sep '17 | 134 | 2 | 0 | 67 | 69 | 17,190 | 70 | 4,306 | 21,496 | 20% |
| | Oct '17 | 135 | 3 | 0 | 67 | 70 | 17,198 | 234 | 4,540 | 21,738 | 21% |
| | Nov '17 | 136 | 3 | 0 | 67 | 70 | 17,172 | 147 | 4,687 | 21,859 | 21% |
| | Dec '17 | 137 | 1 | 0 | 67 | 68 | 17,025 | 156 | 4,843 | 21,868 | 22% |
| | Jan '18 | 138 | 37 | 0 | 67 | 104 | 16,819 | 26 | 4,869 | 21,688 | 22% |
| | Feb '18 | 139 | 19 | 0 | 67 | 87 | 16,654 | 0 | 4,869 | 21,523 | 23% |
| | Mar '18 | 140 | 131 | 0 | 67 | 198 | 16,836 | 0 | 4,869 | 21,704 | 22% |
| | Apr '18 | 141 | 114 | 0 | 67 | 181 | 17,003 | 0 | 4,869 | 21,872 | 22% |
| May '18 | 142 | 51 | 0 | 67 | 118 | 16,978 | 40 | 4,909 | 21,887 | 22% | |
| Jun '18 | 143 | 22 | 0 | 67 | 89 | 17,056 | 70 | 4,979 | 22,035 | 23% | |

H I S T O R I C A L



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 | 14 | | 67 | 81 | 17,131 | 80 | 5,059 | 22,190 | 23% |
| | Aug '18 | 145 | 24 | | 67 | 91 | 17,219 | 70 | 5,129 | 22,348 | 23% |
| | Sep '18 | 146 | 48 | | 67 | 115 | 17,207 | 40 | 5,169 | 22,376 | 23% |
| | Oct '18 | 147 | 57 | | 67 | 124 | 17,252 | 30 | 5,171 | 22,422 | 23% |
| | Nov '18 | 148 | 80 | | 67 | 147 | 17,318 | 10 | 5,151 | 22,469 | 23% |
| | Dec '18 | 149 | 220 | | 67 | 287 | 17,261 | 0 | 5,151 | 22,412 | 23% |
| | Jan '19 | 150 | 167 | | 67 | 234 | 17,466 | 0 | 5,151 | 22,617 | 23% |
| | Feb '19 | 151 | 169 | | 67 | 236 | 17,358 | 0 | 5,151 | 22,509 | 23% |
| | Mar '19 | 152 | 131 | | 67 | 198 | 17,509 | 0 | 5,151 | 22,660 | 23% |
| | Apr '19 | 153 | 114 | | 67 | 181 | 17,679 | 0 | 5,151 | 22,830 | 23% |
| | May '19 | 154 | 51 | | 67 | 118 | 17,780 | 40 | 5,161 | 22,940 | 22% |
| | Jun '19 | 155 | 22 | | 67 | 89 | 17,792 | 70 | 5,222 | 23,014 | 23% |
| 2019/20 | Jul '19 | 156 | 14 | | 67 | 81 | 17,841 | 0 | 5,222 | 23,063 | 23% |
| | Aug '19 | 157 | 24 | | 67 | 91 | 17,913 | 0 | 5,202 | 23,115 | 23% |
| | Sep '19 | 158 | 48 | | 67 | 115 | 18,001 | 0 | 5,184 | 23,184 | 22% |
| | Oct '19 | 159 | 57 | | 67 | 124 | 17,978 | 0 | 5,184 | 23,161 | 22% |
| | Nov '19 | 160 | 80 | | 67 | 147 | 18,009 | 0 | 5,184 | 23,192 | 22% |
| | Dec '19 | 161 | 220 | | 67 | 287 | 17,828 | 0 | 5,184 | 23,011 | 23% |
| | Jan '20 | 162 | 167 | | 67 | 234 | 17,701 | 0 | 5,184 | 22,884 | 23% |
| | Feb '20 | 163 | 169 | | 67 | 236 | 17,540 | 0 | 5,184 | 22,723 | 23% |
| | Mar '20 | 164 | 131 | | 67 | 198 | 17,637 | 0 | 5,184 | 22,820 | 23% |
| | Apr '20 | 165 | 114 | | 67 | 181 | 17,593 | 0 | 5,184 | 22,776 | 23% |
| | May '20 | 166 | 51 | | 67 | 118 | 17,606 | 0 | 5,184 | 22,789 | 23% |
| | Jun '20 | 167 | 22 | | 67 | 89 | 17,628 | 0 | 5,184 | 22,811 | 23% |
| 2020/21 | Jul '20 | 168 | 14 | | 67 | 81 | 17,619 | 0 | 5,184 | 22,802 | 23% |
| | Aug '20 | 169 | 24 | | 67 | 91 | 17,590 | 0 | 5,176 | 22,765 | 23% |
| | Sep '20 | 170 | 48 | | 67 | 115 | 17,581 | 0 | 5,176 | 22,756 | 23% |
| | Oct '20 | 171 | 57 | | 67 | 124 | 17,548 | 0 | 5,176 | 22,723 | 23% |
| | Nov '20 | 172 | 80 | | 67 | 147 | 17,463 | 0 | 5,176 | 22,638 | 23% |
| | Dec '20 | 173 | 220 | | 67 | 287 | 17,318 | 0 | 5,176 | 22,493 | 23% |
| | Jan '21 | 174 | 167 | | 67 | 234 | 17,295 | 0 | 5,176 | 22,470 | 23% |
| | Feb '21 | 175 | 169 | | 67 | 236 | 17,231 | 0 | 5,176 | 22,406 | 23% |
| | Mar '21 | 176 | 131 | | 67 | 198 | 17,098 | 0 | 5,176 | 22,273 | 23% |
| | Apr '21 | 177 | 114 | | 67 | 181 | 16,879 | 0 | 5,176 | 22,054 | 23% |
| | May '21 | 178 | 51 | | 67 | 118 | 16,749 | 0 | 5,176 | 21,924 | 24% |
| | Jun '21 | 179 | 22 | | 67 | 89 | 16,681 | 0 | 5,176 | 21,856 | 24% |
| 2021/22 | Jul '21 | 180 | 14 | | 67 | 81 | 16,679 | 0 | 5,176 | 21,854 | 24% |
| | Aug '21 | 181 | 24 | | 67 | 91 | 16,681 | 0 | 5,176 | 21,856 | 24% |
| | Sep '21 | 182 | 48 | | 67 | 115 | 16,727 | 0 | 5,176 | 21,902 | 24% |
| | Oct '21 | 183 | 57 | | 67 | 124 | 16,784 | 0 | 5,176 | 21,959 | 24% |
| | Nov '21 | 184 | 80 | | 67 | 147 | 16,783 | 0 | 5,135 | 21,917 | 23% |
| | Dec '21 | 185 | 220 | | 67 | 287 | 16,915 | 0 | 5,075 | 21,989 | 23% |
| | Jan '22 | 186 | 167 | | 67 | 234 | 16,936 | 0 | 5,046 | 21,981 | 23% |
| | Feb '22 | 187 | 169 | | 67 | 236 | 16,884 | 0 | 5,046 | 21,929 | 23% |
| | Mar '22 | 188 | 131 | | 67 | 198 | 16,720 | 0 | 5,046 | 21,765 | 23% |
| | Apr '22 | 189 | 114 | | 67 | 181 | 16,576 | 0 | 5,046 | 21,621 | 23% |
| | May '22 | 190 | 51 | | 67 | 118 | 16,613 | 0 | 5,046 | 21,658 | 23% |
| | Jun '22 | 191 | 22 | | 67 | 89 | 16,615 | 0 | 5,046 | 21,660 | 23% |
| 2022/23 | Jul '22 | 192 | 14 | | 67 | 81 | 16,546 | 0 | 5,046 | 21,591 | 23% |
| | Aug '22 | 193 | 24 | | 67 | 91 | 16,534 | 0 | 5,046 | 21,579 | 23% |
| | Sep '22 | 194 | 48 | | 67 | 115 | 16,551 | 0 | 5,046 | 21,596 | 23% |
| | Oct '22 | 195 | 57 | | 67 | 124 | 16,547 | 0 | 5,046 | 21,592 | 23% |
| | Nov '22 | 196 | 80 | | 67 | 147 | 16,566 | 0 | 5,046 | 21,611 | 23% |
| | Dec '22 | 197 | 220 | | 67 | 287 | 16,496 | 0 | 5,046 | 21,541 | 23% |
| | Jan '23 | 198 | 167 | | 67 | 234 | 16,514 | 0 | 5,046 | 21,559 | 23% |
| | Feb '23 | 199 | 169 | | 67 | 236 | 16,567 | 0 | 5,020 | 21,586 | 23% |
| | Mar '23 | 200 | 131 | | 67 | 198 | 16,650 | 0 | 4,999 | 21,648 | 23% |
| | Apr '23 | 201 | 114 | | 67 | 181 | 16,764 | 0 | 4,999 | 21,762 | 23% |
| | May '23 | 202 | 51 | | 67 | 118 | 16,815 | 0 | 4,999 | 21,813 | 23% |
| | Jun '23 | 203 | 22 | | 67 | 89 | 16,837 | 0 | 4,999 | 21,835 | 23% |
| 2023/24 | Jul '23 | 204 | 14 | | 67 | 81 | 16,851 | 160 | 5,159 | 22,009 | 23% |
| | Aug '23 | 205 | 24 | | 67 | 91 | 16,875 | 140 | 5,299 | 22,173 | 24% |
| | Sep '23 | 206 | 48 | | 67 | 115 | 16,923 | 80 | 5,379 | 22,301 | 24% |
| | Oct '23 | 207 | 57 | | 67 | 124 | 16,980 | 60 | 5,439 | 22,418 | 24% |
| | Nov '23 | 208 | 80 | | 67 | 147 | 17,060 | 20 | 5,459 | 22,518 | 24% |
| | Dec '23 | 209 | 220 | | 67 | 287 | 17,208 | 0 | 5,285 | 22,492 | 23% |
| | Jan '24 | 210 | 167 | | 67 | 234 | 17,330 | 0 | 5,183 | 22,512 | 23% |
| | Feb '24 | 211 | 169 | | 67 | 236 | 17,405 | 0 | 5,113 | 22,517 | 23% |
| | Mar '24 | 212 | 131 | | 67 | 198 | 17,473 | 0 | 5,093 | 22,565 | 23% |
| | Apr '24 | 213 | 114 | | 67 | 181 | 17,526 | 0 | 4,988 | 22,513 | 22% |
| | May '24 | 214 | 51 | | 67 | 118 | 17,556 | 80 | 4,932 | 22,487 | 22% |
| | Jun '24 | 215 | 22 | | 67 | 89 | 17,555 | 140 | 5,040 | 22,594 | 22% |

P L A N E D



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|-----|---------------|
| 2024/25 | Jul '24 | 216 | 14 | 67 | 81 | 17,569 | 160 | 5,200 | 22,768 | 23% | P L A N N E D |
| | Aug '24 | 217 | 24 | 67 | 91 | 17,517 | 140 | 5,135 | 22,651 | 23% | |
| | Sep '24 | 218 | 48 | 67 | 115 | 17,511 | 80 | 5,087 | 22,597 | 23% | |
| | Oct '24 | 219 | 57 | 67 | 124 | 17,529 | 60 | 5,084 | 22,612 | 22% | |
| | Nov '24 | 220 | 80 | 67 | 147 | 17,501 | 20 | 5,046 | 22,546 | 22% | |
| | Dec '24 | 221 | 220 | 67 | 287 | 17,466 | 0 | 5,044 | 22,509 | 22% | |
| | Jan '25 | 222 | 167 | 67 | 234 | 17,516 | 0 | 5,044 | 22,559 | 22% | |
| | Feb '25 | 223 | 169 | 67 | 236 | 17,592 | 0 | 4,984 | 22,575 | 22% | |
| | Mar '25 | 224 | 131 | 67 | 198 | 17,671 | 0 | 4,841 | 22,511 | 22% | |
| | Apr '25 | 225 | 114 | 67 | 181 | 17,785 | 0 | 4,841 | 22,625 | 21% | |
| | May '25 | 226 | 51 | 67 | 118 | 17,836 | 80 | 4,921 | 22,756 | 22% | |
| | Jun '25 | 227 | 22 | 67 | 89 | 17,858 | 140 | 5,061 | 22,918 | 22% | |
| 2025/26 | Jul '25 | 228 | 14 | 67 | 81 | 17,872 | 160 | 5,221 | 23,092 | 23% | |
| | Aug '25 | 229 | 24 | 67 | 91 | 17,895 | 140 | 5,361 | 23,255 | 23% | |
| | Sep '25 | 230 | 48 | 67 | 115 | 17,823 | 80 | 5,296 | 23,118 | 23% | |
| | Oct '25 | 231 | 57 | 67 | 124 | 17,782 | 60 | 5,118 | 22,899 | 22% | |
| | Nov '25 | 232 | 80 | 67 | 147 | 17,817 | 20 | 5,059 | 22,875 | 22% | |
| | Dec '25 | 233 | 220 | 67 | 287 | 17,932 | 0 | 4,835 | 22,766 | 21% | |
| | Jan '26 | 234 | 167 | 67 | 234 | 17,830 | 0 | 4,733 | 22,562 | 21% | |
| | Feb '26 | 235 | 169 | 67 | 236 | 17,948 | 0 | 4,535 | 22,482 | 20% | |
| | Mar '26 | 236 | 131 | 67 | 198 | 17,914 | 0 | 4,374 | 22,287 | 20% | |
| | Apr '26 | 237 | 114 | 67 | 181 | 18,009 | 0 | 4,246 | 22,254 | 19% | |
| | May '26 | 238 | 51 | 67 | 118 | 18,022 | 80 | 4,170 | 22,191 | 19% | |
| | Jun '26 | 239 | 22 | 67 | 89 | 18,039 | 140 | 4,151 | 22,189 | 19% | |
| 2026/27 | Jul '26 | 240 | 14 | 67 | 81 | 18,049 | 160 | 4,222 | 22,270 | 19% | |
| | Aug '26 | 241 | 24 | 67 | 91 | 18,051 | 140 | 4,310 | 22,360 | 19% | |
| | Sep '26 | 242 | 48 | 67 | 115 | 18,081 | 80 | 4,350 | 22,430 | 19% | |
| | Oct '26 | 243 | 57 | 67 | 124 | 18,100 | 60 | 4,306 | 22,405 | 19% | |
| | Nov '26 | 244 | 80 | 67 | 147 | 18,095 | 20 | 4,314 | 22,409 | 19% | |
| | Dec '26 | 245 | 220 | 67 | 287 | 18,076 | 0 | 4,243 | 22,319 | 19% | |
| | Jan '27 | 246 | 167 | 67 | 234 | 18,010 | 0 | 4,243 | 22,253 | 19% | |
| | Feb '27 | 247 | 169 | 67 | 236 | 18,049 | 0 | 4,177 | 22,226 | 19% | |
| | Mar '27 | 248 | 131 | 67 | 198 | 18,166 | 0 | 4,038 | 22,204 | 18% | |
| | Apr '27 | 249 | 114 | 67 | 181 | 18,271 | 0 | 3,928 | 22,199 | 18% | |
| | May '27 | 250 | 51 | 67 | 118 | 18,316 | 80 | 3,952 | 22,268 | 18% | |
| | Jun '27 | 251 | 22 | 67 | 89 | 18,335 | 140 | 4,002 | 22,337 | 18% | |
| 2027/28 | Jul '27 | 252 | 14 | 67 | 81 | 18,346 | 160 | 4,006 | 22,352 | 18% | |
| | Aug '27 | 253 | 24 | 67 | 91 | 18,367 | 140 | 4,103 | 22,470 | 18% | |
| | Sep '27 | 254 | 48 | 67 | 115 | 18,413 | 80 | 4,113 | 22,526 | 18% | |
| | Oct '27 | 255 | 57 | 67 | 124 | 18,467 | 60 | 3,939 | 22,406 | 18% | |
| | Nov '27 | 256 | 80 | 67 | 147 | 18,544 | 20 | 3,812 | 22,356 | 17% | |
| | Dec '27 | 257 | 220 | 67 | 287 | 18,764 | 0 | 3,656 | 22,420 | 16% | |
| | Jan '28 | 258 | 167 | 67 | 234 | 18,894 | 0 | 3,630 | 22,524 | 16% | |
| | Feb '28 | 259 | 169 | 67 | 236 | 19,043 | 0 | 3,630 | 22,673 | 16% | |
| | Mar '28 | 260 | 131 | 67 | 198 | 19,043 | 0 | 3,630 | 22,673 | 16% | |
| | Apr '28 | 261 | 114 | 67 | 181 | 19,043 | 0 | 3,630 | 22,673 | 16% | |
| | May '28 | 262 | 51 | 67 | 118 | 19,043 | 80 | 3,670 | 22,713 | 16% | |
| | Jun '28 | 263 | 22 | 67 | 89 | 19,043 | 140 | 3,740 | 22,783 | 16% | |

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.

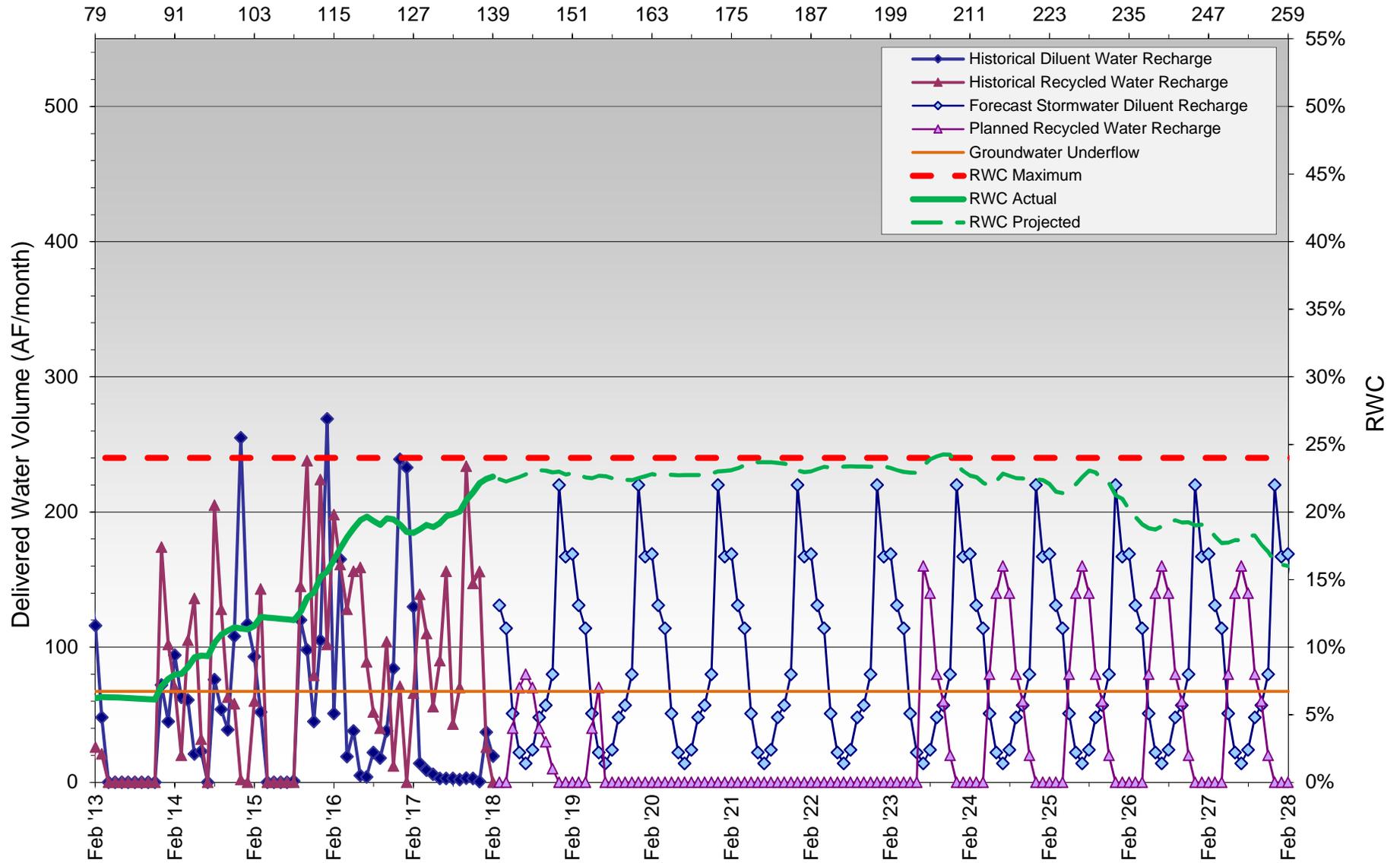
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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



HISTORICAL RECHARGE

PLANNED RECHARGE



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|
| 2012/13 | Jul '12 | 72 | 25 | 0 | 60 | 85 | 7,149 | 51 | 2,045 | 9,193 | 22% |
| | Aug '12 | 73 | 36 | 0 | 60 | 96 | 7,245 | 35 | 2,080 | 9,324 | 22% |
| | Sep '12 | 74 | 31 | 0 | 60 | 91 | 7,335 | 24 | 2,104 | 9,439 | 22% |
| | Oct '12 | 75 | 22 | 0 | 60 | 82 | 7,417 | 9 | 2,113 | 9,530 | 22% |
| | Nov '12 | 76 | 30 | 0 | 60 | 90 | 7,507 | 5 | 2,118 | 9,624 | 22% |
| | Dec '12 | 77 | 47 | 0 | 60 | 107 | 7,614 | 5 | 2,123 | 9,736 | 22% |
| | Jan '13 | 78 | 15 | 0 | 60 | 75 | 7,688 | 0 | 2,123 | 9,811 | 22% |
| | Feb '13 | 79 | 25 | 0 | 60 | 85 | 7,773 | 0 | 2,123 | 9,896 | 21% |
| | Mar '13 | 80 | 14 | 0 | 60 | 74 | 7,847 | 0 | 2,123 | 9,969 | 21% |
| | Apr '13 | 81 | 0 | 0 | 60 | 60 | 7,907 | 0 | 2,123 | 10,029 | 21% |
| May '13 | 82 | 0 | 0 | 60 | 60 | 7,966 | 0 | 2,123 | 10,089 | 21% | |
| Jun '13 | 83 | 0 | 0 | 60 | 60 | 8,026 | 0 | 2,123 | 10,149 | 21% | |
| 2013/14 | Jul '13 | 84 | 0 | 0 | 60 | 60 | 8,086 | 0 | 2,123 | 10,208 | 21% |
| | Aug '13 | 85 | 0 | 0 | 60 | 60 | 8,146 | 0 | 2,123 | 10,268 | 21% |
| | Sep '13 | 86 | 24 | 0 | 60 | 84 | 8,229 | 107 | 2,230 | 10,459 | 21% |
| | Oct '13 | 87 | 20 | 0 | 60 | 80 | 8,309 | 117 | 2,347 | 10,656 | 22% |
| | Nov '13 | 88 | 17 | 0 | 60 | 77 | 8,386 | 89 | 2,436 | 10,821 | 23% |
| | Dec '13 | 89 | 5 | 0 | 60 | 65 | 8,451 | 85 | 2,521 | 10,971 | 23% |
| | Jan '14 | 90 | 16 | 0 | 60 | 76 | 8,526 | 139 | 2,660 | 11,186 | 24% |
| | Feb '14 | 91 | 62 | 0 | 60 | 122 | 8,648 | 120 | 2,780 | 11,428 | 24% |
| | Mar '14 | 92 | 50 | 0 | 60 | 110 | 8,758 | 47 | 2,827 | 11,584 | 24% |
| | Apr '14 | 93 | 0 | 0 | 60 | 60 | 8,817 | 0 | 2,827 | 11,644 | 24% |
| | May '14 | 94 | 23 | 0 | 60 | 83 | 8,900 | 168 | 2,995 | 11,895 | 25% |
| | Jun '14 | 95 | 12 | 0 | 60 | 72 | 8,972 | 54 | 3,049 | 12,021 | 25% |
| 2014/15 | Jul '14 | 96 | 11 | 0 | 60 | 71 | 9,043 | 0 | 3,049 | 12,091 | 25% |
| | Aug '14 | 97 | 0 | 0 | 60 | 60 | 9,102 | 0 | 3,049 | 12,151 | 25% |
| | Sep '14 | 98 | 0 | 0 | 60 | 60 | 9,162 | 0 | 3,049 | 12,211 | 25% |
| | Oct '14 | 99 | 0 | 0 | 60 | 60 | 9,101 | 0 | 3,049 | 12,150 | 25% |
| | Nov '14 | 100 | 0 | 0 | 60 | 60 | 9,033 | 0 | 3,049 | 12,081 | 25% |
| | Dec '14 | 101 | 348 | 0 | 60 | 408 | 9,223 | 0 | 3,049 | 12,271 | 25% |
| | Jan '15 | 102 | 4 | 0 | 60 | 64 | 9,029 | 0 | 3,049 | 12,078 | 25% |
| | Feb '15 | 103 | 65 | 0 | 60 | 125 | 8,922 | 53 | 3,102 | 12,023 | 26% |
| | Mar '15 | 104 | 71 | 0 | 60 | 131 | 8,878 | 155 | 3,257 | 12,135 | 27% |
| | Apr '15 | 105 | 39 | 0 | 60 | 99 | 8,977 | 0 | 3,257 | 12,233 | 27% |
| May '15 | 106 | 0 | 0 | 60 | 60 | 9,036 | 0 | 3,257 | 12,293 | 26% | |
| Jun '15 | 107 | 2 | 0 | 60 | 62 | 9,098 | 81 | 3,338 | 12,435 | 27% | |
| 2015/16 | Jul '15 | 108 | 87 | 0 | 60 | 147 | 9,245 | 85 | 3,423 | 12,667 | 27% |
| | Aug '15 | 109 | 15 | 0 | 60 | 75 | 9,319 | 163 | 3,586 | 12,905 | 28% |
| | Sep '15 | 110 | 74 | 0 | 60 | 134 | 9,453 | 51 | 3,637 | 13,090 | 28% |
| | Oct '15 | 111 | 64 | 0 | 60 | 124 | 9,577 | 65 | 3,702 | 13,278 | 28% |
| | Nov '15 | 112 | 44 | 0 | 60 | 104 | 9,681 | 3 | 3,705 | 13,385 | 28% |
| | Dec '15 | 113 | 144 | 0 | 60 | 204 | 9,760 | 1 | 3,706 | 13,466 | 28% |
| | Jan '16 | 114 | 82 | 0 | 60 | 142 | 9,827 | 0 | 3,706 | 13,533 | 27% |
| | Feb '16 | 115 | 41 | 0 | 60 | 101 | 9,857 | 0 | 3,706 | 13,563 | 27% |
| | Mar '16 | 116 | 47 | 0 | 60 | 107 | 9,792 | 0 | 3,706 | 13,498 | 27% |
| | Apr '16 | 117 | 49 | 0 | 60 | 109 | 9,641 | 0 | 3,706 | 13,346 | 28% |
| | May '16 | 118 | 33 | 0 | 60 | 93 | 9,661 | 0 | 3,706 | 13,367 | 28% |
| | Jun '16 | 119 | 20 | 0 | 60 | 80 | 9,654 | 0 | 3,706 | 13,360 | 28% |
| 2016/17 | Jul '16 | 120 | 15 | 0 | 60 | 75 | 9,699 | 0 | 3,568 | 13,266 | 27% |
| | Aug '16 | 121 | 1 | 0 | 60 | 61 | 9,726 | 0 | 3,333 | 13,058 | 26% |
| | Sep '16 | 122 | 0 | 0 | 60 | 60 | 9,763 | 0 | 3,293 | 13,056 | 25% |
| | Oct '16 | 123 | 1 | 0 | 60 | 61 | 9,759 | 0 | 3,293 | 13,052 | 25% |
| | Nov '16 | 124 | 0 | 0 | 60 | 60 | 9,803 | 0 | 3,293 | 13,096 | 25% |
| | Dec '16 | 125 | 316 | 0 | 60 | 376 | 10,165 | 0 | 3,227 | 13,392 | 24% |
| | Jan '17 | 126 | 298 | 0 | 60 | 358 | 10,513 | 0 | 3,196 | 13,709 | 23% |
| | Feb '17 | 127 | 171 | 0 | 60 | 231 | 10,735 | 8 | 3,183 | 13,918 | 23% |
| | Mar '17 | 128 | 34 | 0 | 60 | 94 | 10,824 | 165 | 3,332 | 14,156 | 24% |
| | Apr '17 | 129 | 23 | 0 | 60 | 83 | 10,904 | 99 | 3,423 | 14,327 | 24% |
| May '17 | 130 | 16 | 0 | 60 | 76 | 10,972 | 125 | 3,491 | 14,463 | 24% | |
| Jun '17 | 131 | 8 | 274 | 60 | 341 | 11,303 | 10 | 3,501 | 14,804 | 24% | |
| 2017/18 | Jul '17 | 132 | 10 | 220 | 60 | 290 | 11,592 | 0 | 3,501 | 15,093 | 23% |
| | Aug '17 | 133 | 21 | 79 | 60 | 160 | 11,742 | 13 | 3,514 | 15,256 | 23% |
| | Sep '17 | 134 | 16 | 0 | 60 | 76 | 11,806 | 51 | 3,565 | 15,371 | 23% |
| | Oct '17 | 135 | 1 | 0 | 60 | 60 | 11,863 | 4 | 3,569 | 15,432 | 23% |
| | Nov '17 | 136 | 4 | 0 | 60 | 64 | 11,861 | 0 | 3,569 | 15,430 | 23% |
| | Dec '17 | 137 | 2 | 0 | 60 | 61 | 11,860 | 0 | 3,569 | 15,429 | 23% |
| | Jan '18 | 138 | 116 | 0 | 60 | 175 | 11,893 | 0 | 3,569 | 15,462 | 23% |
| | Feb '18 | 139 | 75 | 0 | 60 | 134 | 12,018 | 13 | 3,582 | 15,600 | 23% |
| | Mar '18 | 140 | 69 | 0 | 60 | 129 | 12,147 | 50 | 3,632 | 15,779 | 23% |
| | Apr '18 | 141 | 44 | 0 | 60 | 104 | 12,246 | 80 | 3,712 | 15,959 | 23% |
| May '18 | 142 | 20 | 0 | 60 | 80 | 12,288 | 100 | 3,812 | 16,101 | 24% | |
| Jun '18 | 143 | 19 | 0 | 60 | 79 | 12,339 | 100 | 3,912 | 16,251 | 24% | |

HISTORICAL



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 | 21 | | 60 | 81 | 12,416 | 100 | 4,012 | 16,428 | 24% |
| | Aug '18 | 145 | 14 | | 60 | 74 | 12,484 | 110 | 4,122 | 16,607 | 25% |
| | Sep '18 | 146 | 20 | | 60 | 80 | 12,550 | 100 | 4,222 | 16,773 | 25% |
| | Oct '18 | 147 | 30 | | 60 | 90 | 12,603 | 90 | 4,246 | 16,849 | 25% |
| | Nov '18 | 148 | 34 | | 60 | 94 | 12,661 | 90 | 4,328 | 16,989 | 25% |
| | Dec '18 | 149 | 120 | | 60 | 180 | 12,790 | 0 | 4,328 | 17,119 | 25% |
| | Jan '19 | 150 | 88 | | 60 | 148 | 12,928 | 30 | 4,358 | 17,287 | 25% |
| | Feb '19 | 151 | 84 | | 60 | 144 | 13,004 | 40 | 4,398 | 17,402 | 25% |
| | Mar '19 | 152 | 69 | | 60 | 129 | 13,123 | 50 | 4,448 | 17,571 | 25% |
| | Apr '19 | 153 | 44 | | 60 | 104 | 13,224 | 80 | 4,528 | 17,753 | 26% |
| | May '19 | 154 | 20 | | 60 | 80 | 13,303 | 100 | 4,628 | 17,932 | 26% |
| | Jun '19 | 155 | 19 | | 60 | 79 | 13,382 | 100 | 4,728 | 18,110 | 26% |
| 2019/2020 | Jul '19 | 156 | 21 | | 60 | 81 | 13,463 | 100 | 4,828 | 18,291 | 26% |
| | Aug '19 | 157 | 14 | | 60 | 74 | 13,536 | 110 | 4,938 | 18,475 | 27% |
| | Sep '19 | 158 | 20 | | 60 | 80 | 13,616 | 100 | 5,038 | 18,655 | 27% |
| | Oct '19 | 159 | 30 | | 60 | 90 | 13,646 | 90 | 5,128 | 18,775 | 27% |
| | Nov '19 | 160 | 34 | | 60 | 94 | 13,677 | 90 | 5,218 | 18,896 | 28% |
| | Dec '19 | 161 | 120 | | 60 | 180 | 13,699 | 0 | 5,155 | 18,855 | 27% |
| | Jan '20 | 162 | 88 | | 60 | 148 | 13,602 | 30 | 5,058 | 18,661 | 27% |
| | Feb '20 | 163 | 84 | | 60 | 144 | 13,511 | 40 | 5,098 | 18,610 | 27% |
| | Mar '20 | 164 | 69 | | 60 | 129 | 13,466 | 50 | 5,104 | 18,571 | 27% |
| | Apr '20 | 165 | 44 | | 60 | 104 | 13,427 | 80 | 5,169 | 18,597 | 28% |
| | May '20 | 166 | 20 | | 60 | 80 | 13,420 | 100 | 5,199 | 18,620 | 28% |
| | Jun '20 | 167 | 19 | | 60 | 79 | 13,364 | 100 | 5,259 | 18,624 | 28% |
| 2020/21 | Jul '20 | 168 | 21 | | 60 | 81 | 13,290 | 100 | 5,353 | 18,644 | 29% |
| | Aug '20 | 169 | 14 | | 60 | 74 | 13,220 | 110 | 5,441 | 18,662 | 29% |
| | Sep '20 | 170 | 20 | | 60 | 80 | 13,186 | 100 | 5,524 | 18,711 | 30% |
| | Oct '20 | 171 | 30 | | 60 | 90 | 13,161 | 90 | 5,614 | 18,776 | 30% |
| | Nov '20 | 172 | 34 | | 60 | 94 | 13,156 | 90 | 5,704 | 18,861 | 30% |
| | Dec '20 | 173 | 120 | | 60 | 180 | 13,115 | 0 | 5,704 | 18,820 | 30% |
| | Jan '21 | 174 | 88 | | 60 | 148 | 13,202 | 30 | 5,734 | 18,937 | 30% |
| | Feb '21 | 175 | 84 | | 60 | 144 | 13,236 | 40 | 5,774 | 19,011 | 30% |
| | Mar '21 | 176 | 69 | | 60 | 129 | 13,256 | 50 | 5,824 | 19,081 | 31% |
| | Apr '21 | 177 | 44 | | 60 | 104 | 13,300 | 80 | 5,904 | 19,205 | 31% |
| | May '21 | 178 | 20 | | 60 | 80 | 13,320 | 100 | 6,004 | 19,325 | 31% |
| | Jun '21 | 179 | 19 | | 60 | 79 | 13,339 | 100 | 6,104 | 19,444 | 31% |
| 2021/22 | Jul '21 | 180 | 21 | | 60 | 81 | 13,360 | 100 | 6,204 | 19,565 | 32% |
| | Aug '21 | 181 | 14 | | 60 | 74 | 13,317 | 110 | 6,307 | 19,624 | 32% |
| | Sep '21 | 182 | 20 | | 60 | 80 | 13,151 | 100 | 6,221 | 19,372 | 32% |
| | Oct '21 | 183 | 30 | | 60 | 90 | 13,118 | 90 | 6,088 | 19,206 | 32% |
| | Nov '21 | 184 | 34 | | 60 | 94 | 13,086 | 90 | 6,082 | 19,168 | 32% |
| | Dec '21 | 185 | 120 | | 60 | 180 | 13,137 | 0 | 6,030 | 19,167 | 31% |
| | Jan '22 | 186 | 88 | | 60 | 148 | 13,139 | 30 | 5,988 | 19,127 | 31% |
| | Feb '22 | 187 | 84 | | 60 | 144 | 13,114 | 40 | 5,931 | 19,045 | 31% |
| | Mar '22 | 188 | 69 | | 60 | 129 | 13,057 | 50 | 5,946 | 19,003 | 31% |
| | Apr '22 | 189 | 44 | | 60 | 104 | 13,013 | 80 | 6,011 | 19,024 | 32% |
| | May '22 | 190 | 20 | | 60 | 80 | 12,993 | 100 | 6,055 | 19,048 | 32% |
| | Jun '22 | 191 | 19 | | 60 | 79 | 12,987 | 100 | 6,090 | 19,077 | 32% |
| 2022/23 | Jul '22 | 192 | 21 | | 60 | 81 | 12,983 | 100 | 6,139 | 19,122 | 32% |
| | Aug '22 | 193 | 14 | | 60 | 74 | 12,961 | 110 | 6,214 | 19,175 | 32% |
| | Sep '22 | 194 | 20 | | 60 | 80 | 12,950 | 100 | 6,290 | 19,240 | 33% |
| | Oct '22 | 195 | 30 | | 60 | 90 | 12,958 | 90 | 6,371 | 19,329 | 33% |
| | Nov '22 | 196 | 34 | | 60 | 94 | 12,962 | 90 | 6,456 | 19,418 | 33% |
| | Dec '22 | 197 | 120 | | 60 | 180 | 13,035 | 0 | 6,451 | 19,486 | 33% |
| | Jan '23 | 198 | 88 | | 60 | 148 | 13,108 | 30 | 6,481 | 19,589 | 33% |
| | Feb '23 | 199 | 84 | | 60 | 144 | 13,167 | 40 | 6,521 | 19,688 | 33% |
| | Mar '23 | 200 | 69 | | 60 | 129 | 13,222 | 50 | 6,571 | 19,793 | 33% |
| | Apr '23 | 201 | 44 | | 60 | 104 | 13,266 | 80 | 6,651 | 19,917 | 33% |
| | May '23 | 202 | 20 | | 60 | 80 | 13,286 | 100 | 6,751 | 20,037 | 34% |
| | Jun '23 | 203 | 19 | | 60 | 79 | 13,305 | 100 | 6,851 | 20,156 | 34% |
| 2023/24 | Jul '23 | 204 | 21 | | 60 | 81 | 13,326 | 100 | 6,951 | 20,277 | 34% |
| | Aug '23 | 205 | 14 | | 60 | 74 | 13,340 | 110 | 7,061 | 20,401 | 35% |
| | Sep '23 | 206 | 20 | | 60 | 80 | 13,336 | 100 | 7,054 | 20,390 | 35% |
| | Oct '23 | 207 | 30 | | 60 | 90 | 13,346 | 90 | 7,027 | 20,373 | 34% |
| | Nov '23 | 208 | 34 | | 60 | 94 | 13,363 | 90 | 7,028 | 20,391 | 34% |
| | Dec '23 | 209 | 120 | | 60 | 180 | 13,478 | 0 | 6,943 | 20,421 | 34% |
| | Jan '24 | 210 | 88 | | 60 | 148 | 13,550 | 30 | 6,834 | 20,384 | 34% |
| | Feb '24 | 211 | 84 | | 60 | 144 | 13,572 | 40 | 6,754 | 20,326 | 33% |
| | Mar '24 | 212 | 69 | | 60 | 129 | 13,591 | 50 | 6,757 | 20,348 | 33% |
| | Apr '24 | 213 | 44 | | 60 | 104 | 13,635 | 80 | 6,837 | 20,472 | 33% |
| | May '24 | 214 | 20 | | 60 | 80 | 13,632 | 100 | 6,769 | 20,401 | 33% |
| | Jun '24 | 215 | 19 | | 60 | 79 | 13,639 | 100 | 6,815 | 20,454 | 33% |

P L A N N E D



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 | |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|--------|--------|-------------|
| 2024/25 | Jul '24 | 216 | 21 | | 60 | 81 | 13,649 | 100 | 6,915 | 20,564 | 34% | P L A N E D |
| | Aug '24 | 217 | 14 | | 60 | 74 | 13,663 | 110 | 7,025 | 20,688 | 34% | |
| | Sep '24 | 218 | 20 | | 60 | 80 | 13,683 | 100 | 7,125 | 20,808 | 34% | |
| | Oct '24 | 219 | 30 | | 60 | 90 | 13,713 | 90 | 7,215 | 20,928 | 34% | |
| | Nov '24 | 220 | 34 | | 60 | 94 | 13,747 | 90 | 7,305 | 21,052 | 35% | |
| | Dec '24 | 221 | 120 | | 60 | 180 | 13,519 | 0 | 7,305 | 20,824 | 35% | |
| | Jan '25 | 222 | 88 | | 60 | 148 | 13,603 | 30 | 7,335 | 20,938 | 35% | |
| | Feb '25 | 223 | 84 | | 60 | 144 | 13,622 | 40 | 7,322 | 20,944 | 35% | |
| | Mar '25 | 224 | 69 | | 60 | 129 | 13,620 | 50 | 7,217 | 20,837 | 35% | |
| | Apr '25 | 225 | 44 | | 60 | 104 | 13,625 | 80 | 7,297 | 20,922 | 35% | |
| May '25 | 226 | 20 | | 60 | 80 | 13,645 | 100 | 7,397 | 21,042 | 35% | | |
| Jun '25 | 227 | 19 | | 60 | 79 | 13,662 | 100 | 7,416 | 21,078 | 35% | | |
| 2025/26 | Jul '25 | 228 | 21 | | 60 | 81 | 13,596 | 100 | 7,431 | 21,027 | 35% | |
| | Aug '25 | 229 | 14 | | 60 | 74 | 13,595 | 110 | 7,378 | 20,973 | 35% | |
| | Sep '25 | 230 | 20 | | 60 | 80 | 13,541 | 100 | 7,427 | 20,968 | 35% | |
| | Oct '25 | 231 | 30 | | 60 | 90 | 13,507 | 90 | 7,452 | 20,959 | 36% | |
| | Nov '25 | 232 | 34 | | 60 | 94 | 13,497 | 90 | 7,539 | 21,036 | 36% | |
| | Dec '25 | 233 | 120 | | 60 | 180 | 13,473 | 0 | 7,538 | 21,011 | 36% | |
| | Jan '26 | 234 | 88 | | 60 | 148 | 13,479 | 30 | 7,568 | 21,047 | 36% | |
| | Feb '26 | 235 | 84 | | 60 | 144 | 13,522 | 40 | 7,608 | 21,130 | 36% | |
| | Mar '26 | 236 | 69 | | 60 | 129 | 13,544 | 50 | 7,658 | 21,202 | 36% | |
| | Apr '26 | 237 | 44 | | 60 | 104 | 13,539 | 80 | 7,738 | 21,277 | 36% | |
| May '26 | 238 | 20 | | 60 | 80 | 13,526 | 100 | 7,838 | 21,364 | 37% | | |
| Jun '26 | 239 | 19 | | 60 | 79 | 13,525 | 100 | 7,938 | 21,463 | 37% | | |
| 2026/27 | Jul '26 | 240 | 21 | | 60 | 81 | 13,531 | 100 | 8,038 | 21,569 | 37% | |
| | Aug '26 | 241 | 14 | | 60 | 74 | 13,544 | 110 | 8,148 | 21,692 | 38% | |
| | Sep '26 | 242 | 20 | | 60 | 80 | 13,564 | 100 | 8,248 | 21,812 | 38% | |
| | Oct '26 | 243 | 30 | | 60 | 90 | 13,593 | 90 | 8,338 | 21,931 | 38% | |
| | Nov '26 | 244 | 34 | | 60 | 94 | 13,627 | 90 | 8,428 | 22,055 | 38% | |
| | Dec '26 | 245 | 120 | | 60 | 180 | 13,431 | 0 | 8,428 | 21,859 | 39% | |
| | Jan '27 | 246 | 88 | | 60 | 148 | 13,221 | 30 | 8,458 | 21,679 | 39% | |
| | Feb '27 | 247 | 84 | | 60 | 144 | 13,134 | 40 | 8,490 | 21,624 | 39% | |
| | Mar '27 | 248 | 69 | | 60 | 129 | 13,169 | 50 | 8,375 | 21,544 | 39% | |
| | Apr '27 | 249 | 44 | | 60 | 104 | 13,190 | 80 | 8,356 | 21,546 | 39% | |
| May '27 | 250 | 20 | | 60 | 80 | 13,194 | 100 | 8,331 | 21,525 | 39% | | |
| Jun '27 | 251 | 19 | | 60 | 79 | 12,931 | 100 | 8,421 | 21,353 | 39% | | |
| 2027/28 | Jul '27 | 252 | 21 | | 60 | 81 | 12,722 | 100 | 8,521 | 21,244 | 40% | |
| | Aug '27 | 253 | 14 | | 60 | 74 | 12,636 | 110 | 8,618 | 21,255 | 41% | |
| | Sep '27 | 254 | 20 | | 60 | 80 | 12,640 | 100 | 8,667 | 21,308 | 41% | |
| | Oct '27 | 255 | 30 | | 60 | 90 | 12,670 | 90 | 8,753 | 21,423 | 41% | |
| | Nov '27 | 256 | 34 | | 60 | 94 | 12,700 | 90 | 8,843 | 21,543 | 41% | |
| | Dec '27 | 257 | 120 | | 60 | 180 | 12,818 | 0 | 8,843 | 21,661 | 41% | |
| | Jan '28 | 258 | 88 | | 60 | 148 | 12,790 | 30 | 8,873 | 21,664 | 41% | |
| | Feb '28 | 259 | 84 | | 60 | 144 | 12,800 | 40 | 8,900 | 21,700 | 41% | |
| | Mar '28 | 260 | 69 | | 60 | 129 | 12,800 | 50 | 8,900 | 21,700 | 41% | |
| | Apr '28 | 261 | 44 | | 60 | 104 | 12,800 | 80 | 8,900 | 21,700 | 41% | |
| May '28 | 262 | 20 | | 60 | 80 | 12,800 | 100 | 8,900 | 21,700 | 41% | | |
| Jun '28 | 263 | 19 | | 60 | 79 | 12,800 | 100 | 8,900 | 21,700 | 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.

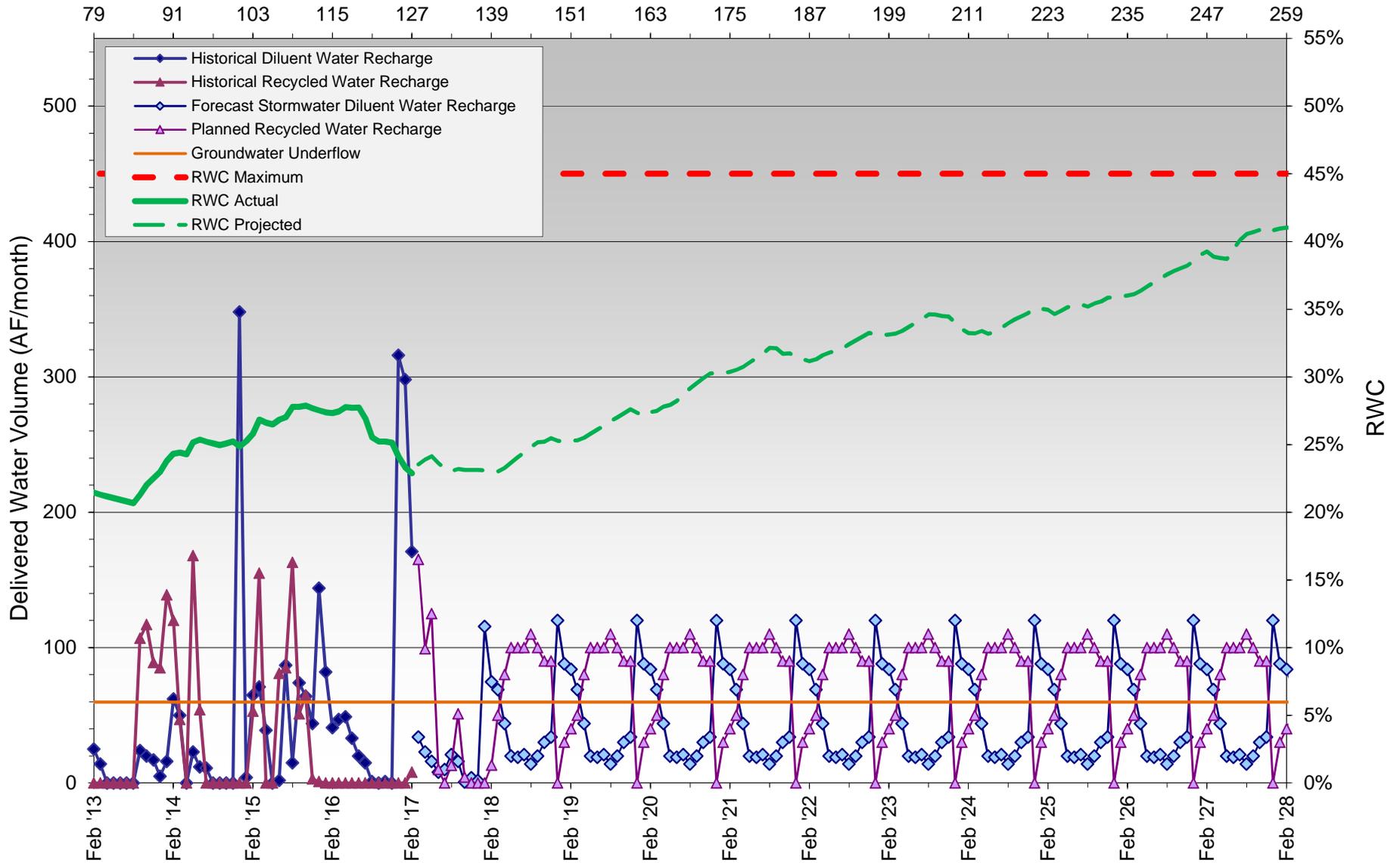
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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 - Turner Basin Cells 3 & 4

Months Since Initial Recycled Water Delivery



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 |
|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|-----|------------|
| 2012/13 | Jul '12 | 22 | 3 | 0 | 139 | 142 | 94 | 1,532 | 7,489 | 20% | HISTORICAL |
| | Aug '12 | 23 | 5 | 0 | 139 | 144 | 118 | 1,650 | 7,751 | 21% | |
| | Sep '12 | 24 | 1 | 0 | 139 | 140 | 55 | 1,705 | 7,946 | 21% | |
| | Oct '12 | 25 | 1 | 0 | 139 | 140 | 131 | 1,836 | 8,217 | 22% | |
| | Nov '12 | 26 | 6 | 0 | 139 | 145 | 71 | 1,907 | 8,433 | 23% | |
| | Dec '12 | 27 | 19 | 0 | 139 | 158 | 21 | 1,928 | 8,612 | 22% | |
| | Jan '13 | 28 | 35 | 0 | 139 | 174 | 12 | 1,940 | 8,798 | 22% | |
| | Feb '13 | 29 | 10 | 0 | 139 | 149 | 10 | 1,950 | 8,957 | 22% | |
| | Mar '13 | 30 | 7 | 0 | 139 | 146 | 57 | 2,007 | 9,160 | 22% | |
| | Apr '13 | 31 | 1 | 0 | 139 | 140 | 98 | 2,105 | 9,398 | 22% | |
| May '13 | 32 | 5 | 0 | 139 | 144 | 93 | 2,198 | 9,635 | 23% | | |
| Jun '13 | 33 | 1 | 0 | 139 | 140 | 82 | 2,280 | 9,857 | 23% | | |
| 2013/14 | Jul '13 | 34 | 2 | 0 | 139 | 141 | 74 | 2,354 | 10,072 | 23% | |
| | Aug '13 | 35 | 2 | 0 | 139 | 141 | 42 | 2,396 | 10,254 | 23% | |
| | Sep '13 | 36 | 2 | 0 | 139 | 141 | 46 | 2,442 | 10,441 | 23% | |
| | Oct '13 | 37 | 7 | 0 | 139 | 146 | 0 | 2,442 | 10,587 | 23% | |
| | Nov '13 | 38 | 12 | 0 | 139 | 151 | 0 | 2,442 | 10,738 | 23% | |
| | Dec '13 | 39 | 10 | 0 | 139 | 149 | 118 | 2,560 | 11,005 | 23% | |
| | Jan '14 | 40 | 2 | 0 | 139 | 141 | 158 | 2,718 | 11,304 | 24% | |
| | Feb '14 | 41 | 37 | 0 | 139 | 176 | 191 | 2,909 | 11,671 | 25% | |
| | Mar '14 | 42 | 99 | 0 | 139 | 238 | 142 | 3,051 | 12,051 | 25% | |
| | Apr '14 | 43 | 15 | 0 | 139 | 154 | 250 | 3,301 | 12,455 | 27% | |
| May '14 | 44 | 2 | 0 | 139 | 141 | 214 | 3,515 | 12,810 | 27% | | |
| Jun '14 | 45 | 2 | 0 | 139 | 141 | 144 | 3,659 | 13,095 | 28% | | |
| 2014/15 | Jul '14 | 46 | 2 | 0 | 139 | 141 | 91 | 3,750 | 13,327 | 28% | |
| | Aug '14 | 47 | 5 | 0 | 139 | 144 | 107 | 3,857 | 13,578 | 28% | |
| | Sep '14 | 48 | 2 | 0 | 139 | 141 | 155 | 4,012 | 13,874 | 29% | |
| | Oct '14 | 49 | 3 | 0 | 139 | 142 | 75 | 4,087 | 14,091 | 29% | |
| | Nov '14 | 50 | 57 | 0 | 139 | 196 | 4 | 4,091 | 14,291 | 29% | |
| | Dec '14 | 51 | 153 | 0 | 139 | 292 | 0 | 4,091 | 14,583 | 28% | |
| | Jan '15 | 52 | 18 | 0 | 139 | 157 | 63 | 4,154 | 14,803 | 28% | |
| | Feb '15 | 53 | 40 | 0 | 139 | 179 | 57 | 4,211 | 15,039 | 28% | |
| | Mar '15 | 54 | 12 | 0 | 139 | 151 | 79 | 4,290 | 15,269 | 28% | |
| | Apr '15 | 55 | 0 | 0 | 139 | 139 | 127 | 4,417 | 15,476 | 29% | |
| May '15 | 56 | 13 | 0 | 139 | 152 | 141 | 4,558 | 15,742 | 29% | | |
| Jun '15 | 57 | 1 | 0 | 139 | 140 | 32 | 4,590 | 15,902 | 29% | | |
| 2015/16 | Jul '15 | 58 | 4 | 0 | 139 | 143 | 139 | 4,729 | 16,184 | 29% | |
| | Aug '15 | 59 | 1 | 0 | 139 | 140 | 165 | 4,894 | 16,489 | 30% | |
| | Sep '15 | 60 | 37 | 0 | 139 | 176 | 136 | 5,030 | 16,801 | 30% | |
| | Oct '15 | 61 | 35 | 0 | 139 | 174 | 101 | 5,131 | 17,027 | 30% | |
| | Nov '15 | 62 | 0 | 0 | 139 | 139 | 34 | 5,165 | 17,200 | 30% | |
| | Dec '15 | 63 | 86 | 0 | 139 | 225 | 60 | 5,225 | 17,476 | 30% | |
| | Jan '16 | 64 | 87 | 0 | 139 | 226 | 0 | 5,225 | 17,676 | 30% | |
| | Feb '16 | 65 | 10 | 0 | 139 | 149 | 0 | 5,225 | 17,782 | 29% | |
| | Mar '16 | 66 | 79 | 0 | 139 | 218 | 0 | 5,225 | 17,890 | 29% | |
| | Apr '16 | 67 | 1 | 0 | 139 | 140 | 0 | 5,225 | 17,972 | 29% | |
| May '16 | 68 | 2 | 0 | 139 | 141 | 0 | 5,225 | 18,084 | 29% | | |
| Jun '16 | 69 | 3 | 0 | 139 | 142 | 0 | 5,225 | 18,214 | 29% | | |
| 2016/17 | Jul '16 | 70 | 0 | 0 | 139 | 139 | 0 | 5,225 | 18,344 | 28% | |
| | Aug '16 | 71 | 0 | 0 | 139 | 139 | 0 | 5,225 | 18,480 | 28% | |
| | Sep '16 | 72 | 0 | 0 | 139 | 139 | 53 | 5,278 | 18,669 | 28% | |
| | Oct '16 | 73 | 10 | 0 | 139 | 149 | 142 | 5,420 | 18,952 | 29% | |
| | Nov '16 | 74 | 24 | 7 | 139 | 170 | 218 | 5,638 | 19,336 | 29% | |
| | Dec '16 | 75 | 185 | 0 | 139 | 324 | 106 | 5,744 | 19,677 | 29% | |
| | Jan '17 | 76 | 327 | 0 | 278 | 605 | 0 | 5,744 | 20,267 | 28% | |
| | Feb '17 | 77 | 65 | 0 | 278 | 343 | 53 | 5,797 | 20,593 | 28% | |
| | Mar '17 | 78 | 18 | 0 | 278 | 296 | 219 | 6,016 | 21,100 | 29% | |
| | Apr '17 | 79 | 0 | 0 | 278 | 278 | 317 | 6,333 | 21,660 | 29% | |
| May '17 | 80 | 13 | 0 | 278 | 291 | 312 | 6,645 | 22,256 | 30% | | |
| Jun '17 | 81 | 0 | 121 | 278 | 399 | 201 | 6,846 | 22,847 | 30% | | |
| 2017/18 | Jul '17 | 82 | 0 | 235 | 278 | 513 | 140 | 6,986 | 23,501 | 30% | |
| | Aug '17 | 83 | 4 | 20 | 278 | 302 | 239 | 7,225 | 24,042 | 30% | |
| | Sep '17 | 84 | 0 | 130 | 278 | 408 | 167 | 7,392 | 24,612 | 30% | |
| | Oct '17 | 85 | 0 | 150 | 278 | 428 | 43 | 7,435 | 25,075 | 30% | |
| | Nov '17 | 86 | 0 | 0 | 278 | 278 | 40 | 7,476 | 25,344 | 29% | |
| | Dec '17 | 87 | 0 | 4 | 278 | 282 | 99 | 7,574 | 25,659 | 30% | |
| | Jan '18 | 88 | 57 | 35 | 278 | 370 | 7 | 7,581 | 25,856 | 29% | |
| | Feb '18 | 89 | 9 | 0 | 278 | 287 | 33 | 7,614 | 26,115 | 29% | |
| | Mar '18 | 90 | 35 | 0 | 278 | 313 | 160 | 7,774 | 26,586 | 29% | |
| | Apr '18 | 91 | 20 | 0 | 278 | 298 | 170 | 7,944 | 27,047 | 29% | |
| May '18 | 92 | 12 | 0 | 278 | 290 | 180 | 8,124 | 27,471 | 30% | | |
| Jun '18 | 93 | 3 | 0 | 278 | 281 | 190 | 8,314 | 27,939 | 30% | | |



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 | 2 | | 278 | 280 | 19,901 | 190 | 8,504 | 28,406 | 30% |
| | Aug '18 | 95 | 2 | | 278 | 280 | 20,178 | 190 | 8,694 | 28,873 | 30% |
| | Sep '18 | 96 | 4 | | 278 | 282 | 20,458 | 190 | 8,884 | 29,343 | 30% |
| | Oct '18 | 97 | 16 | | 278 | 294 | 20,748 | 170 | 9,054 | 29,803 | 30% |
| | Nov '18 | 98 | 20 | | 278 | 298 | 21,011 | 170 | 9,224 | 30,236 | 31% |
| | Dec '18 | 99 | 79 | | 278 | 357 | 21,294 | 110 | 9,334 | 30,629 | 30% |
| | Jan '19 | 100 | 73 | | 278 | 351 | 21,630 | 120 | 9,454 | 31,085 | 30% |
| | Feb '19 | 101 | 53 | | 278 | 331 | 21,866 | 140 | 9,594 | 31,461 | 30% |
| | Mar '19 | 102 | 35 | | 278 | 313 | 22,166 | 160 | 9,754 | 31,921 | 31% |
| | Apr '19 | 103 | 20 | | 278 | 298 | 22,461 | 170 | 9,924 | 32,386 | 31% |
| | May '19 | 104 | 12 | | 278 | 290 | 22,748 | 180 | 10,104 | 32,853 | 31% |
| | Jun '19 | 105 | 3 | | 278 | 281 | 23,029 | 190 | 10,294 | 33,324 | 31% |
| 2019/20 | Jul '19 | 106 | 2 | | 278 | 280 | 23,308 | 190 | 10,484 | 33,793 | 31% |
| | Aug '19 | 107 | 2 | | 278 | 280 | 23,588 | 190 | 10,674 | 34,263 | 31% |
| | Sep '19 | 108 | 4 | | 278 | 282 | 23,870 | 190 | 10,864 | 34,735 | 31% |
| | Oct '19 | 109 | 16 | | 278 | 294 | 24,125 | 170 | 11,034 | 35,160 | 31% |
| | Nov '19 | 110 | 20 | | 278 | 298 | 24,404 | 170 | 11,204 | 35,609 | 31% |
| | Dec '19 | 111 | 79 | | 278 | 357 | 24,672 | 110 | 11,314 | 35,987 | 31% |
| | Jan '20 | 112 | 73 | | 278 | 351 | 24,870 | 120 | 11,434 | 36,305 | 31% |
| | Feb '20 | 113 | 53 | | 278 | 331 | 25,027 | 140 | 11,574 | 36,602 | 32% |
| | Mar '20 | 114 | 35 | | 278 | 313 | 25,340 | 160 | 11,734 | 37,075 | 32% |
| | Apr '20 | 115 | 20 | | 278 | 298 | 25,618 | 170 | 11,904 | 37,523 | 32% |
| | May '20 | 116 | 12 | | 278 | 290 | 25,908 | 180 | 12,084 | 37,993 | 32% |
| | Jun '20 | 117 | 3 | | 278 | 281 | 26,188 | 190 | 12,274 | 38,463 | 32% |
| 2020/21 | Jul '20 | 118 | 2 | | 278 | 280 | 26,465 | 190 | 12,464 | 38,930 | 32% |
| | Aug '20 | 119 | 2 | | 278 | 280 | 26,743 | 190 | 12,654 | 39,398 | 32% |
| | Sep '20 | 120 | 4 | | 278 | 282 | 27,023 | 190 | 12,777 | 39,801 | 32% |
| | Oct '20 | 121 | 16 | | 278 | 294 | 27,163 | 170 | 12,794 | 39,958 | 32% |
| | Nov '20 | 122 | 20 | | 278 | 298 | 27,288 | 170 | 12,847 | 40,136 | 32% |
| | Dec '20 | 123 | 79 | | 278 | 357 | 27,264 | 110 | 12,915 | 40,180 | 32% |
| | Jan '21 | 124 | 73 | | 278 | 351 | 27,458 | 120 | 12,949 | 40,408 | 32% |
| | Feb '21 | 125 | 53 | | 278 | 331 | 27,579 | 140 | 13,022 | 40,601 | 32% |
| | Mar '21 | 126 | 35 | | 278 | 313 | 27,694 | 160 | 13,143 | 40,837 | 32% |
| | Apr '21 | 127 | 20 | | 278 | 298 | 27,848 | 170 | 13,313 | 41,161 | 32% |
| | May '21 | 128 | 12 | | 278 | 290 | 27,924 | 180 | 13,352 | 41,276 | 32% |
| | Jun '21 | 129 | 3 | | 278 | 281 | 28,063 | 190 | 13,481 | 41,544 | 32% |
| 2021/22 | Jul '21 | 130 | 2 | | 278 | 280 | 28,200 | 190 | 13,609 | 41,809 | 33% |
| | Aug '21 | 131 | 2 | | 278 | 280 | 28,217 | 190 | 13,747 | 41,965 | 33% |
| | Sep '21 | 132 | 4 | | 278 | 282 | 28,202 | 190 | 13,937 | 42,139 | 33% |
| | Oct '21 | 133 | 16 | | 278 | 294 | 28,327 | 170 | 14,107 | 42,434 | 33% |
| | Nov '21 | 134 | 20 | | 278 | 298 | 28,461 | 170 | 14,262 | 42,724 | 33% |
| | Dec '21 | 135 | 79 | | 278 | 357 | 28,670 | 110 | 14,347 | 43,018 | 33% |
| | Jan '22 | 136 | 73 | | 278 | 351 | 28,871 | 120 | 14,467 | 43,339 | 33% |
| | Feb '22 | 137 | 53 | | 278 | 331 | 29,059 | 140 | 14,607 | 43,667 | 33% |
| | Mar '22 | 138 | 35 | | 278 | 313 | 29,215 | 160 | 14,767 | 43,983 | 34% |
| | Apr '22 | 139 | 20 | | 278 | 298 | 29,278 | 170 | 14,919 | 44,198 | 34% |
| | May '22 | 140 | 12 | | 278 | 290 | 29,409 | 180 | 14,828 | 44,238 | 34% |
| | Jun '22 | 141 | 3 | | 278 | 281 | 29,549 | 190 | 14,796 | 44,345 | 33% |
| 2022/23 | Jul '22 | 142 | 2 | | 278 | 280 | 29,687 | 190 | 14,892 | 44,579 | 33% |
| | Aug '22 | 143 | 2 | | 278 | 280 | 29,823 | 190 | 14,964 | 44,787 | 33% |
| | Sep '22 | 144 | 4 | | 278 | 282 | 29,965 | 190 | 15,099 | 45,064 | 34% |
| | Oct '22 | 145 | 16 | | 278 | 294 | 30,119 | 170 | 15,138 | 45,257 | 33% |
| | Nov '22 | 146 | 20 | | 278 | 298 | 30,272 | 170 | 15,237 | 45,509 | 33% |
| | Dec '22 | 147 | 79 | | 278 | 357 | 30,471 | 110 | 15,326 | 45,797 | 33% |
| | Jan '23 | 148 | 73 | | 278 | 351 | 30,648 | 120 | 15,434 | 46,082 | 33% |
| | Feb '23 | 149 | 53 | | 278 | 331 | 30,830 | 140 | 15,564 | 46,394 | 34% |
| | Mar '23 | 150 | 35 | | 278 | 313 | 30,997 | 160 | 15,667 | 46,664 | 34% |
| | Apr '23 | 151 | 20 | | 278 | 298 | 31,155 | 170 | 15,739 | 46,894 | 34% |
| | May '23 | 152 | 12 | | 278 | 290 | 31,301 | 180 | 15,826 | 47,127 | 34% |
| | Jun '23 | 153 | 3 | | 278 | 281 | 31,442 | 190 | 15,934 | 47,376 | 34% |
| 2023/24 | Jul '23 | 154 | 2 | | 278 | 280 | 31,581 | 190 | 16,050 | 47,632 | 34% |
| | Aug '23 | 155 | 2 | | 278 | 280 | 31,720 | 190 | 16,198 | 47,919 | 34% |
| | Sep '23 | 156 | 4 | | 278 | 282 | 31,861 | 190 | 16,342 | 48,204 | 34% |
| | Oct '23 | 157 | 16 | | 278 | 294 | 32,009 | 170 | 16,512 | 48,522 | 34% |
| | Nov '23 | 158 | 20 | | 278 | 298 | 32,156 | 170 | 16,682 | 48,839 | 34% |
| | Dec '23 | 159 | 79 | | 278 | 357 | 32,364 | 110 | 16,674 | 49,039 | 34% |
| | Jan '24 | 160 | 73 | | 278 | 351 | 32,574 | 120 | 16,636 | 49,211 | 34% |
| | Feb '24 | 161 | 53 | | 278 | 331 | 32,729 | 140 | 16,585 | 49,315 | 34% |
| | Mar '24 | 162 | 35 | | 278 | 313 | 32,805 | 160 | 16,603 | 49,408 | 34% |
| | Apr '24 | 163 | 20 | | 278 | 298 | 32,949 | 170 | 16,523 | 49,472 | 33% |
| | May '24 | 164 | 12 | | 278 | 290 | 33,098 | 180 | 16,489 | 49,587 | 33% |
| | Jun '24 | 165 | 3 | | 278 | 281 | 33,238 | 190 | 16,535 | 49,773 | 33% |

P L A N E D



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 |
|---------|---------|------------------------------------|---------|----------|----------------|---------------|-------------------------|---------|-------------------------|------------------------------|-----|--------|
| 2024/25 | Jul '24 | 166 | 2 | | 278 | 280 | 33,377 | 190 | 16,634 | 50,011 | 33% | |
| | Aug '24 | 167 | 2 | | 278 | 280 | 33,513 | 190 | 16,717 | 50,230 | 33% | |
| | Sep '24 | 168 | 4 | | 278 | 282 | 33,654 | 190 | 16,752 | 50,406 | 33% | |
| | Oct '24 | 169 | 16 | | 278 | 294 | 33,806 | 170 | 16,847 | 50,653 | 33% | |
| | Nov '24 | 170 | 20 | | 278 | 298 | 33,908 | 170 | 17,013 | 50,921 | 33% | |
| | Dec '24 | 171 | 79 | | 278 | 357 | 33,973 | 110 | 17,123 | 51,096 | 34% | |
| | Jan '25 | 172 | 73 | | 278 | 351 | 34,167 | 120 | 17,180 | 51,347 | 33% | |
| | Feb '25 | 173 | 53 | | 278 | 331 | 34,319 | 140 | 17,263 | 51,582 | 33% | |
| | Mar '25 | 174 | 35 | | 278 | 313 | 34,481 | 160 | 17,344 | 51,825 | 33% | |
| | Apr '25 | 175 | 20 | | 278 | 298 | 34,640 | 170 | 17,387 | 52,028 | 33% | |
| | May '25 | 176 | 12 | | 278 | 290 | 34,778 | 180 | 17,426 | 52,205 | 33% | |
| | Jun '25 | 177 | 3 | | 278 | 281 | 34,919 | 190 | 17,584 | 52,504 | 33% | |
| 2025/26 | Jul '25 | 178 | 2 | | 278 | 280 | 35,056 | 190 | 17,635 | 52,692 | 33% | |
| | Aug '25 | 179 | 2 | | 278 | 280 | 35,196 | 190 | 17,660 | 52,857 | 33% | |
| | Sep '25 | 180 | 4 | | 278 | 282 | 35,302 | 190 | 17,714 | 53,017 | 33% | |
| | Oct '25 | 181 | 16 | | 278 | 294 | 35,422 | 170 | 17,783 | 53,206 | 33% | |
| | Nov '25 | 182 | 20 | | 278 | 298 | 35,582 | 170 | 17,919 | 53,501 | 33% | |
| | Dec '25 | 183 | 79 | | 278 | 357 | 35,714 | 110 | 17,969 | 53,683 | 33% | |
| | Jan '26 | 184 | 73 | | 278 | 351 | 35,839 | 120 | 18,089 | 53,928 | 34% | |
| | Feb '26 | 185 | 53 | | 278 | 331 | 36,021 | 140 | 18,229 | 54,250 | 34% | |
| | Mar '26 | 186 | 35 | | 278 | 313 | 36,116 | 160 | 18,389 | 54,505 | 34% | |
| | Apr '26 | 187 | 20 | | 278 | 298 | 36,274 | 170 | 18,559 | 54,833 | 34% | |
| | May '26 | 188 | 12 | | 278 | 290 | 36,423 | 180 | 18,739 | 55,162 | 34% | |
| | Jun '26 | 189 | 3 | | 278 | 281 | 36,562 | 190 | 18,929 | 55,491 | 34% | |
| 2026/27 | Jul '26 | 190 | 2 | | 278 | 280 | 36,703 | 190 | 19,119 | 55,822 | 34% | |
| | Aug '26 | 191 | 2 | | 278 | 280 | 36,844 | 190 | 19,309 | 56,153 | 34% | |
| | Sep '26 | 192 | 4 | | 278 | 282 | 36,987 | 190 | 19,446 | 56,433 | 34% | |
| | Oct '26 | 193 | 16 | | 278 | 294 | 37,132 | 170 | 19,474 | 56,606 | 34% | |
| | Nov '26 | 194 | 20 | | 278 | 298 | 37,260 | 170 | 19,426 | 56,686 | 34% | |
| | Dec '26 | 195 | 79 | | 278 | 357 | 37,293 | 110 | 19,430 | 56,724 | 34% | |
| | Jan '27 | 196 | 73 | | 278 | 351 | 37,039 | 120 | 19,550 | 56,590 | 35% | |
| | Feb '27 | 197 | 53 | | 278 | 331 | 37,027 | 140 | 19,637 | 56,665 | 35% | |
| | Mar '27 | 198 | 35 | | 278 | 313 | 37,044 | 160 | 19,578 | 56,623 | 35% | |
| | Apr '27 | 199 | 20 | | 278 | 298 | 37,064 | 170 | 19,431 | 56,496 | 34% | |
| | May '27 | 200 | 12 | | 278 | 290 | 37,063 | 180 | 19,299 | 56,363 | 34% | |
| | Jun '27 | 201 | 3 | | 278 | 281 | 36,945 | 190 | 19,288 | 56,234 | 34% | |
| 2027/28 | Jul '27 | 202 | 2 | | 278 | 280 | 36,712 | 190 | 19,338 | 56,050 | 35% | |
| | Aug '27 | 203 | 2 | | 278 | 280 | 36,689 | 190 | 19,289 | 55,979 | 34% | |
| | Sep '27 | 204 | 4 | | 278 | 282 | 36,564 | 190 | 19,312 | 55,876 | 35% | |
| | Oct '27 | 205 | 16 | | 278 | 294 | 36,430 | 170 | 19,439 | 55,869 | 35% | |
| | Nov '27 | 206 | 20 | | 278 | 298 | 36,450 | 170 | 19,568 | 56,018 | 35% | |
| | Dec '27 | 207 | 79 | | 278 | 357 | 36,525 | 110 | 19,580 | 56,105 | 35% | |
| | Jan '28 | 208 | 73 | | 278 | 351 | 36,506 | 120 | 19,693 | 56,199 | 35% | |
| | Feb '28 | 209 | 53 | | 278 | 331 | 36,550 | 140 | 19,800 | 56,350 | 35% | |
| | Mar '28 | 210 | 35 | | 278 | 313 | 36,550 | 160 | 19,800 | 56,350 | 35% | |
| | Apr '28 | 211 | 20 | | 278 | 298 | 36,550 | 170 | 19,800 | 56,350 | 35% | |
| | May '28 | 212 | 12 | | 278 | 290 | 36,550 | 180 | 19,800 | 56,350 | 35% | |
| | Jun '28 | 213 | 3 | | 278 | 281 | 36,550 | 190 | 19,800 | 56,350 | 35% | |

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.

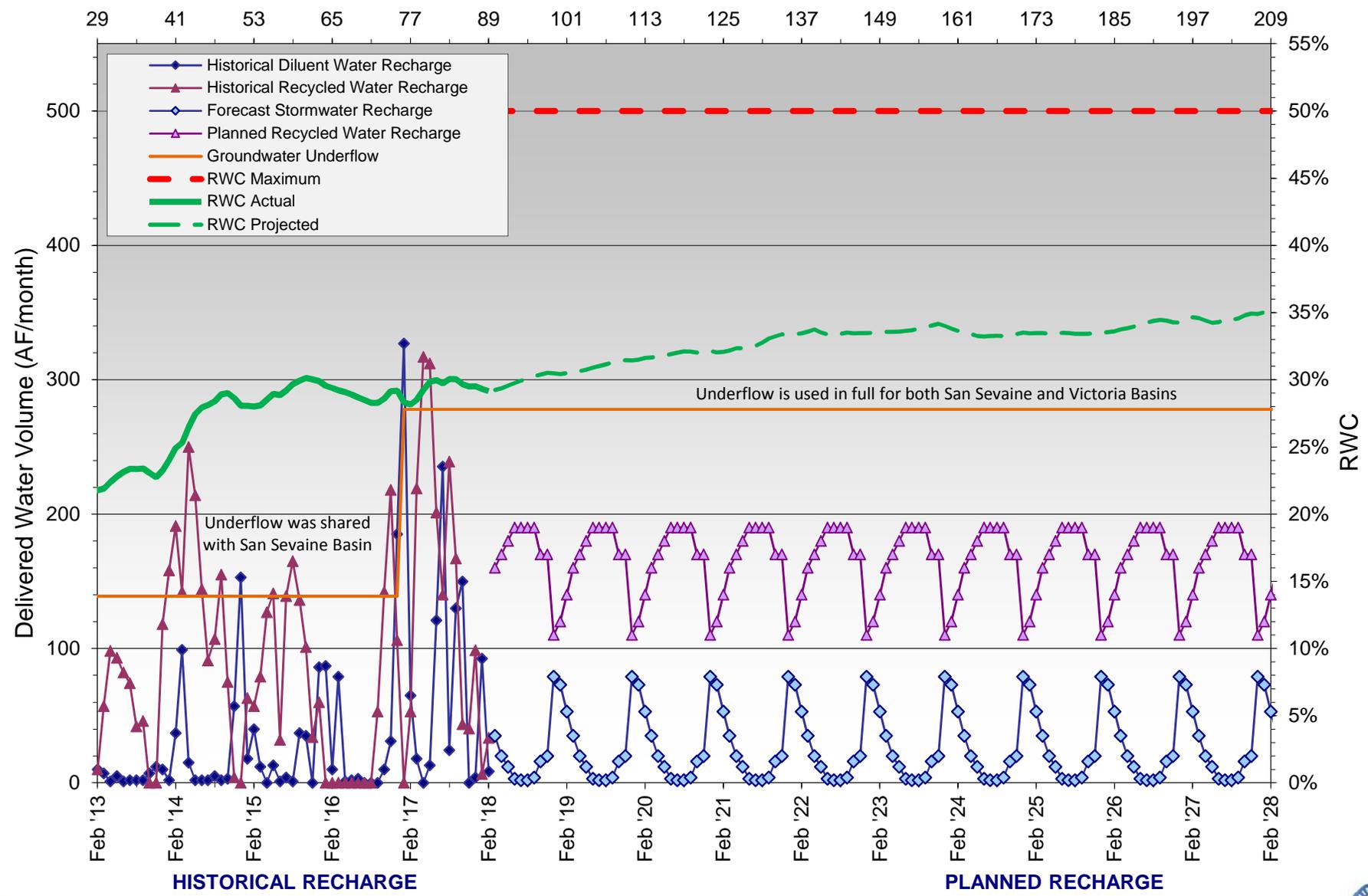
While an RWC calculation is provided starting on the first month of RW recharge, 120 months of data may not be available until 10 years of recharge operations.

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

Months Since Initial Recycled Water Delivery



HISTORICAL RECHARGE

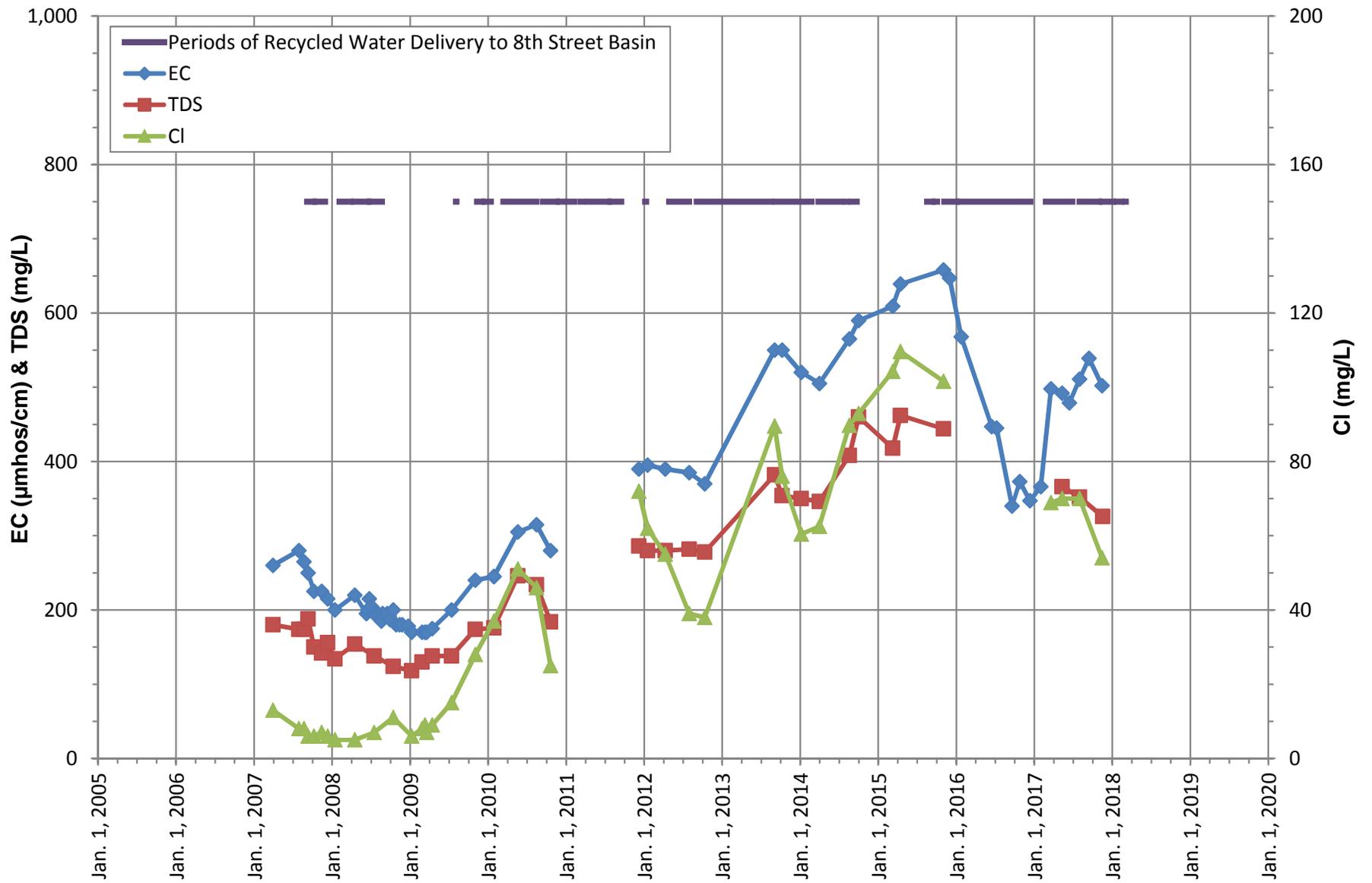
PLANNED RECHARGE



APPENDIX C

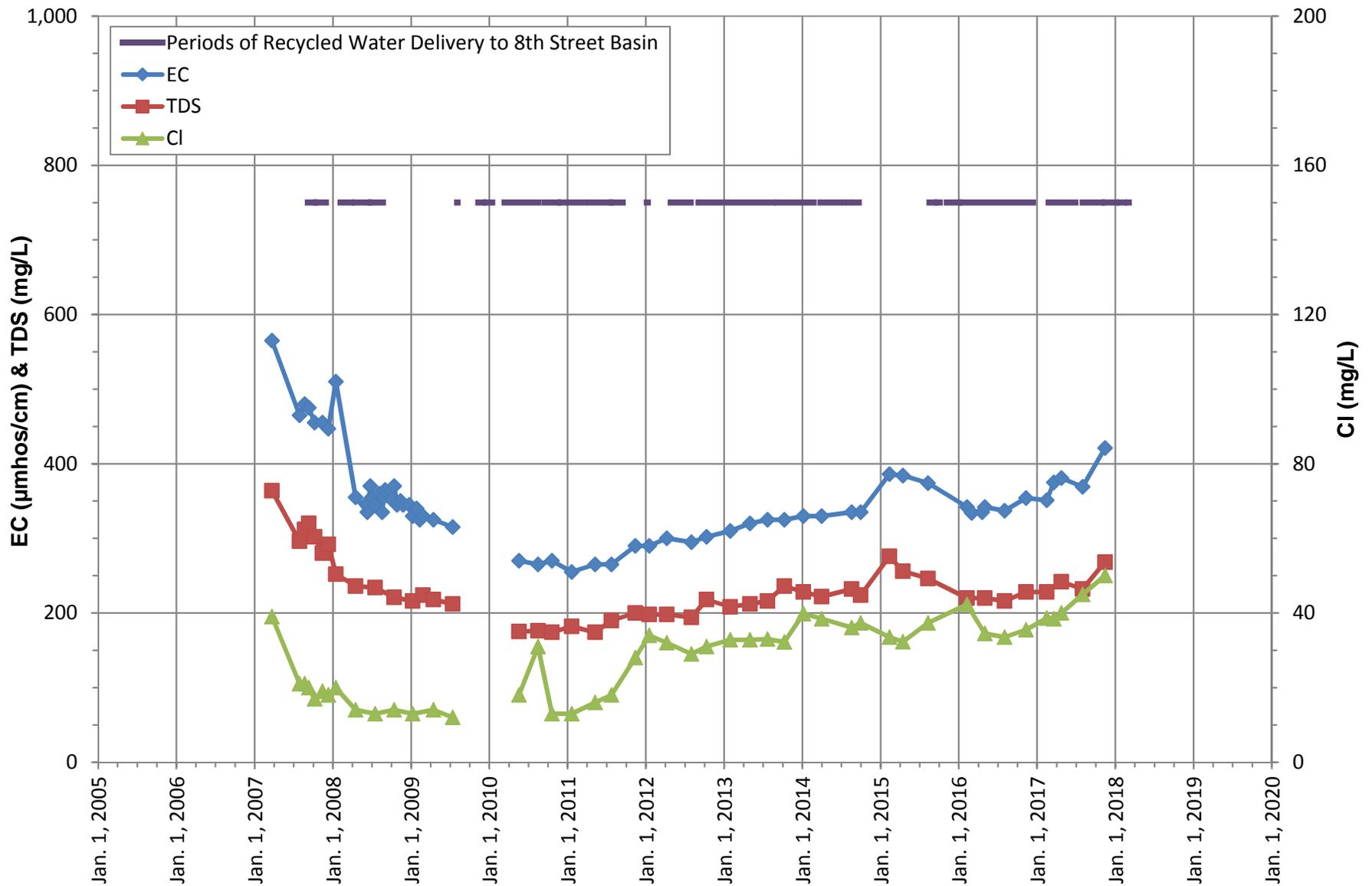
EVIDENCE FOR BLENDING:

EC, TDS, CHLORIDE TIME-SERIES GRAPHS



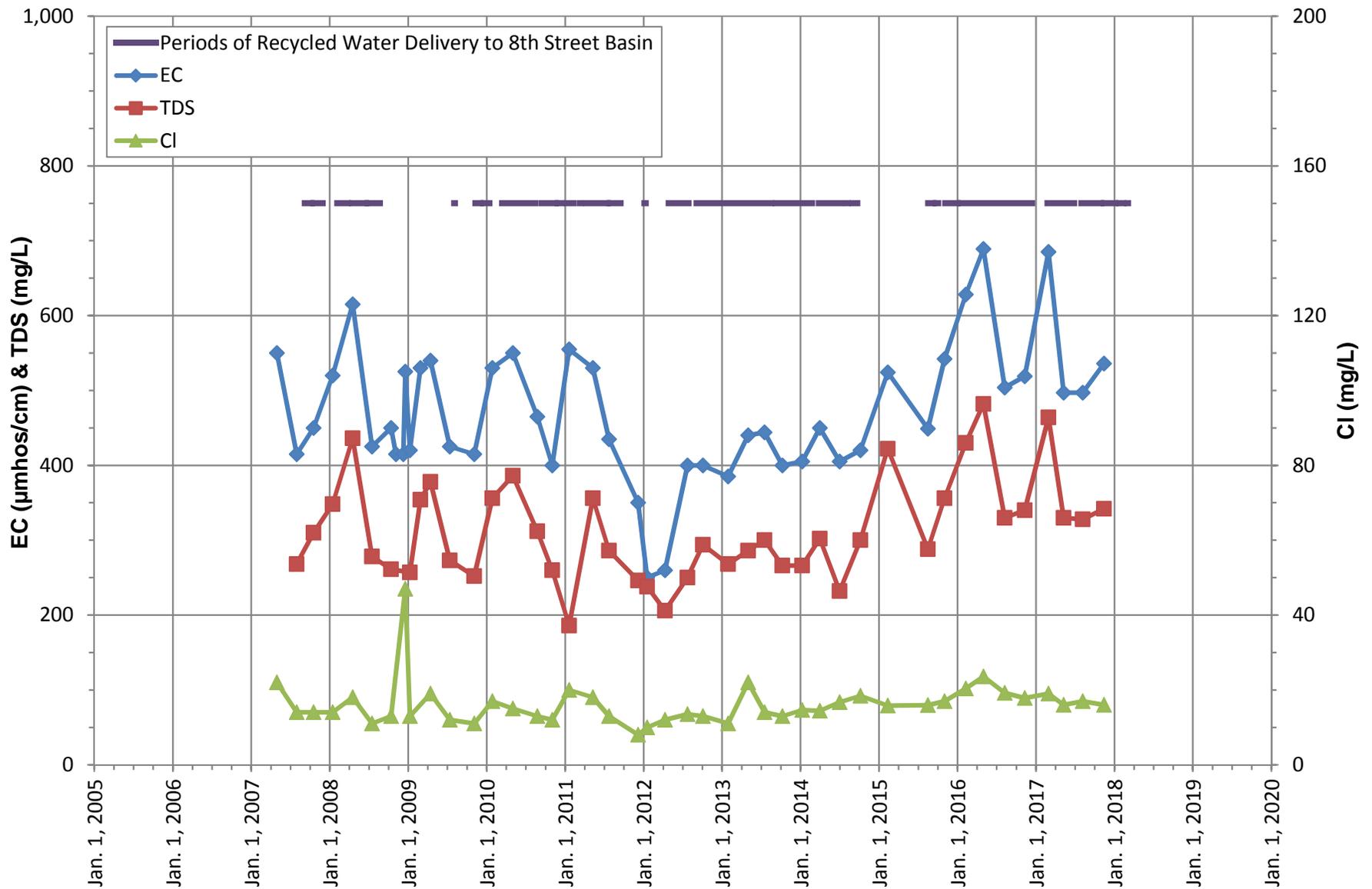
**EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-1/1**





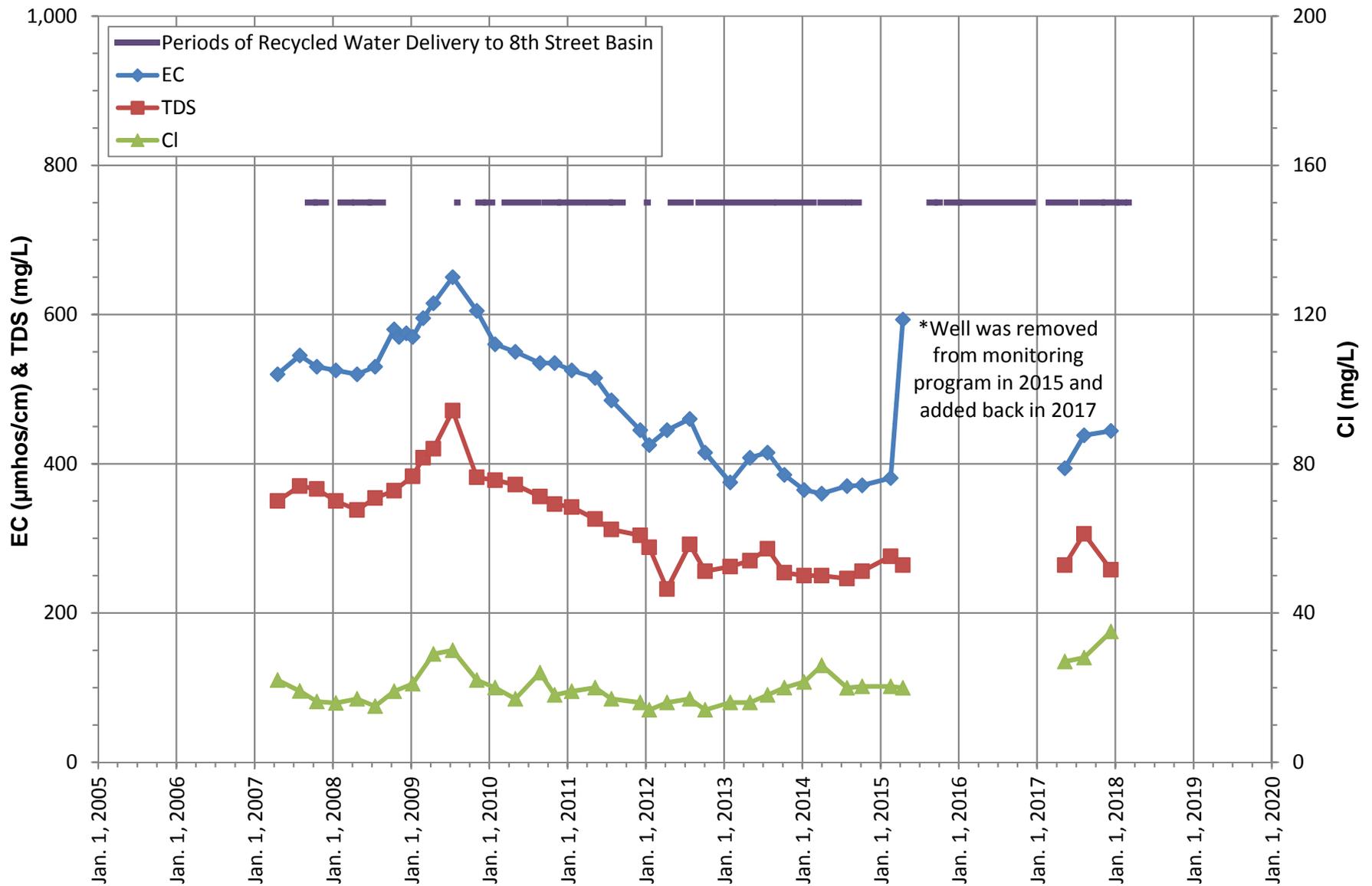
**EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-1/2**





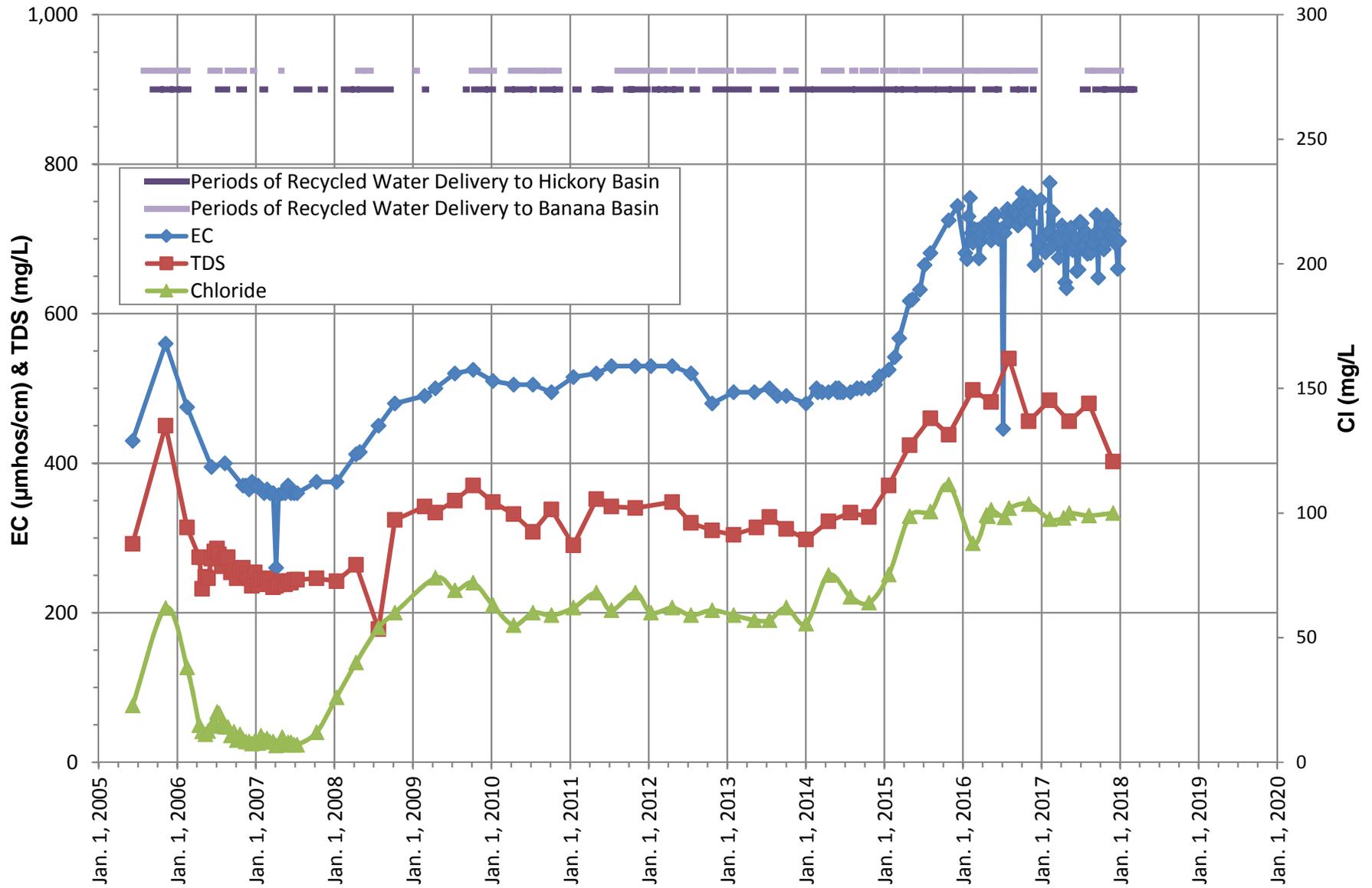
**EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-2/1**





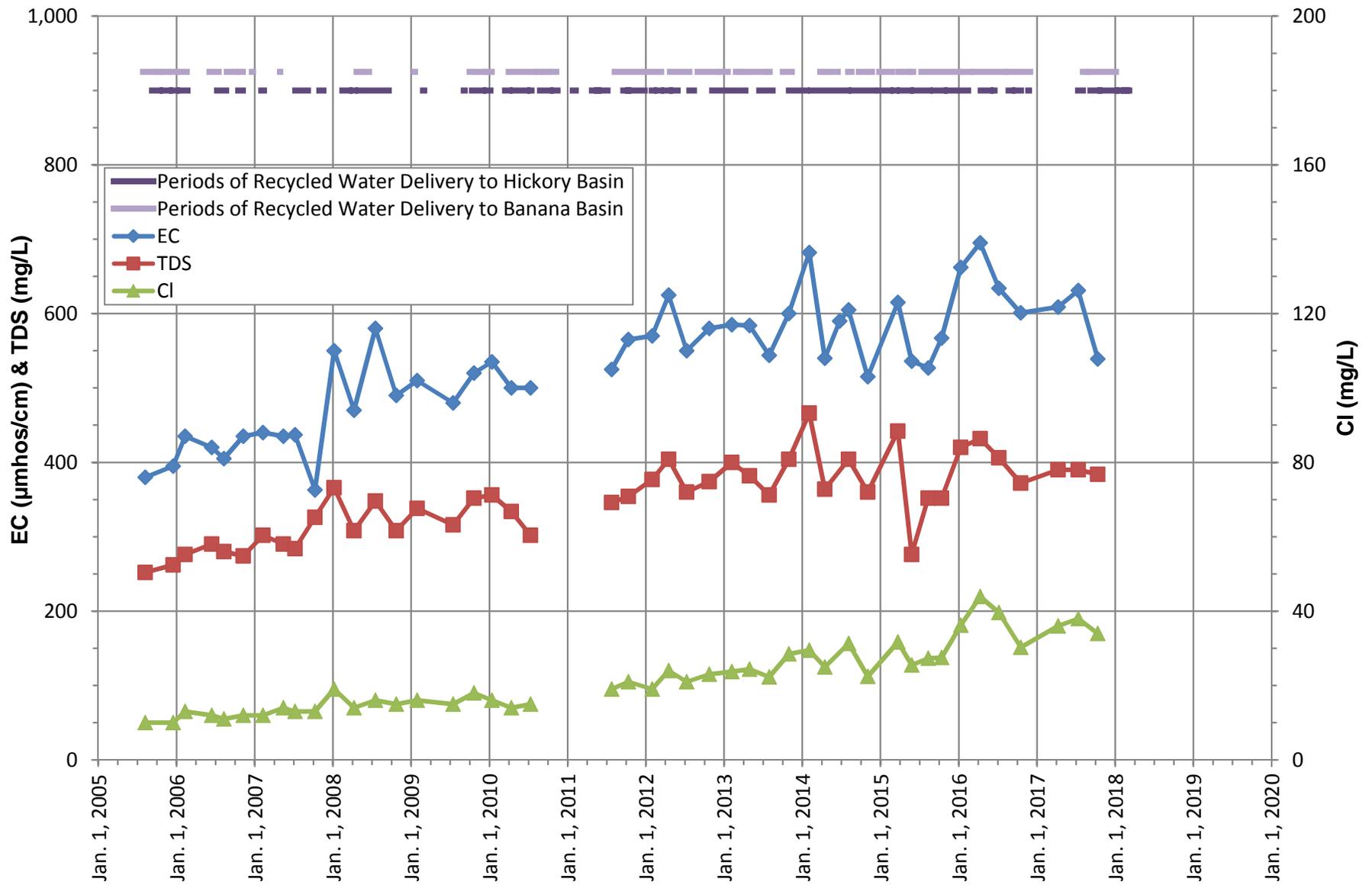
**EC, TDS, CHLORIDE TRENDS
8TH STREET BASIN
MW 8TH-2/2**





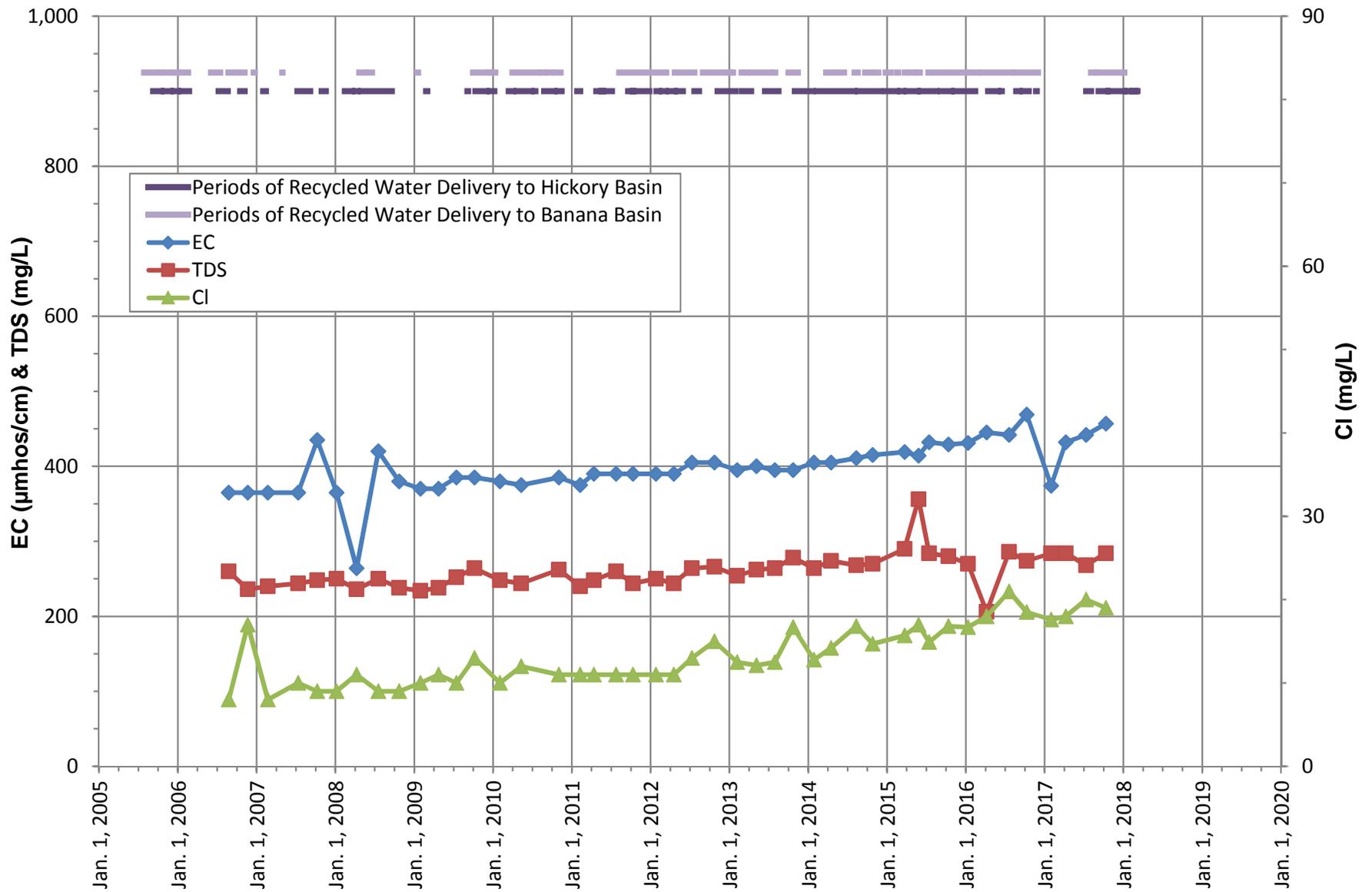
**EC, TDS, CHLORIDE TRENDS
HICKORY BANANA BASINS
MW BH-1/2**





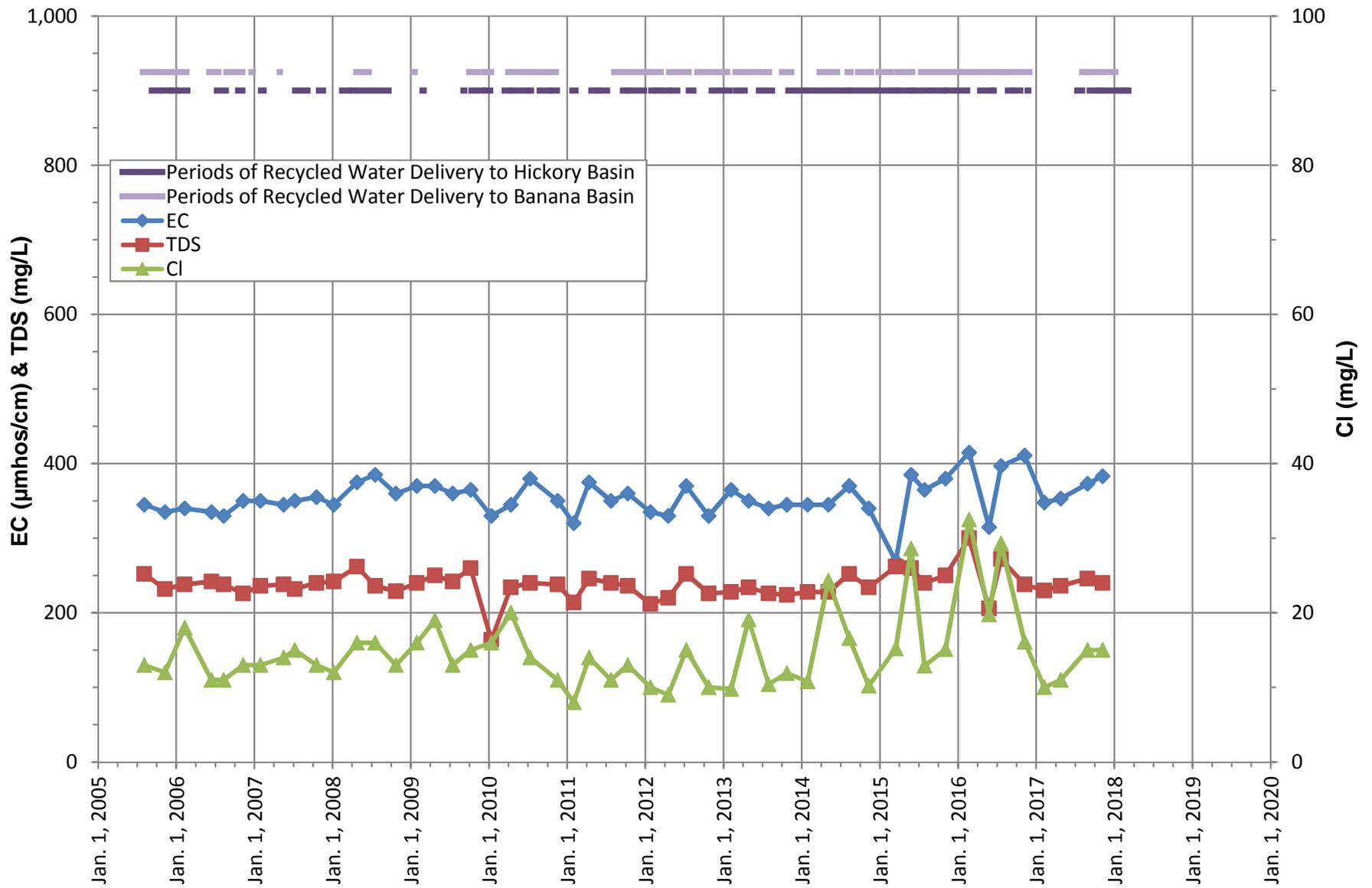
**EC, TDS, CHLORIDE TRENDS
BANANA-HICKORY BASINS
CALIFORNIA SPEEDWAY INFIELD WELL**





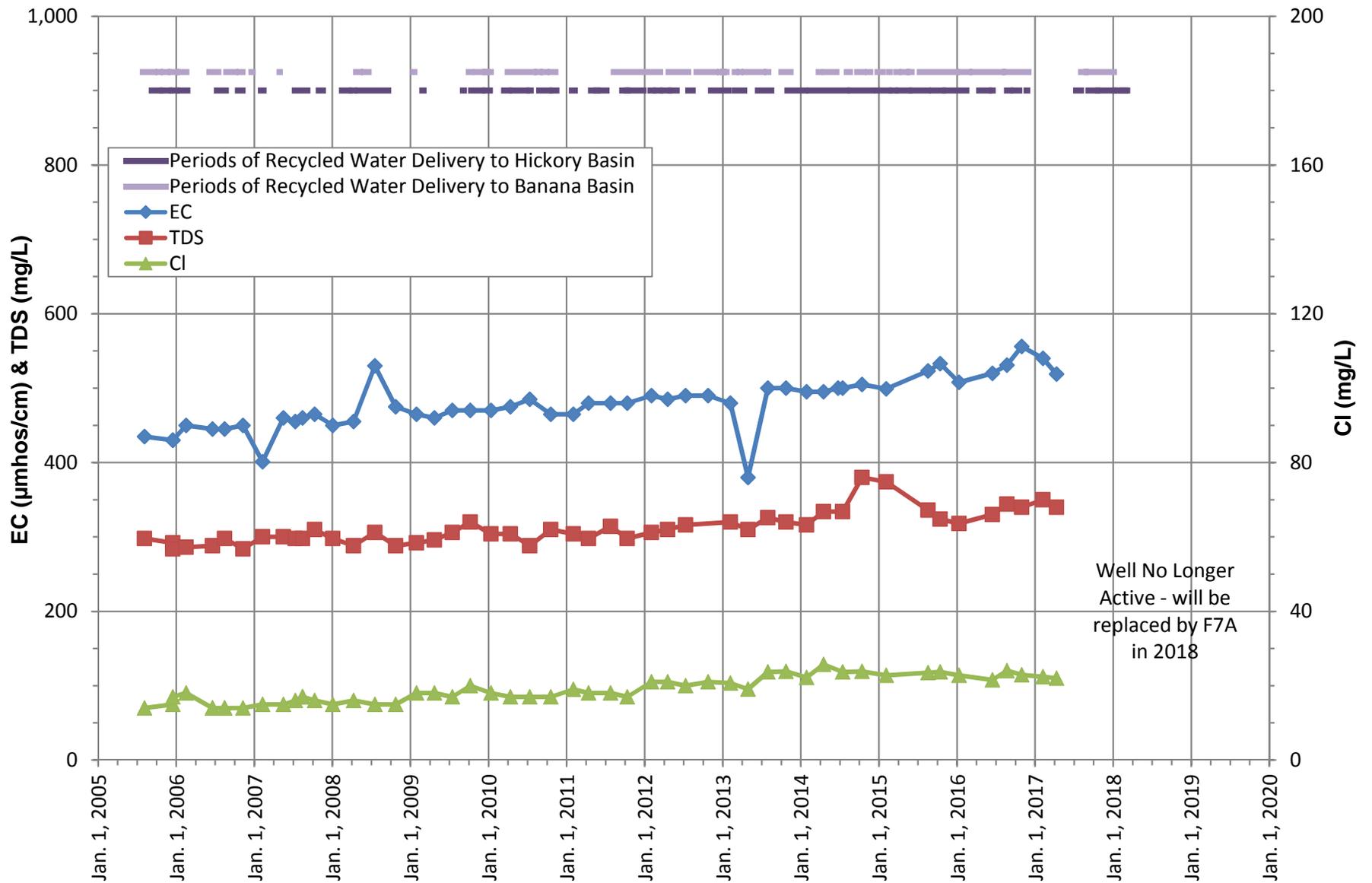
**EC, TDS, CHLORIDE TRENDS
BANANA-HICKORY BASINS
CALIFORNIA SPEEDWAY NO. 2**





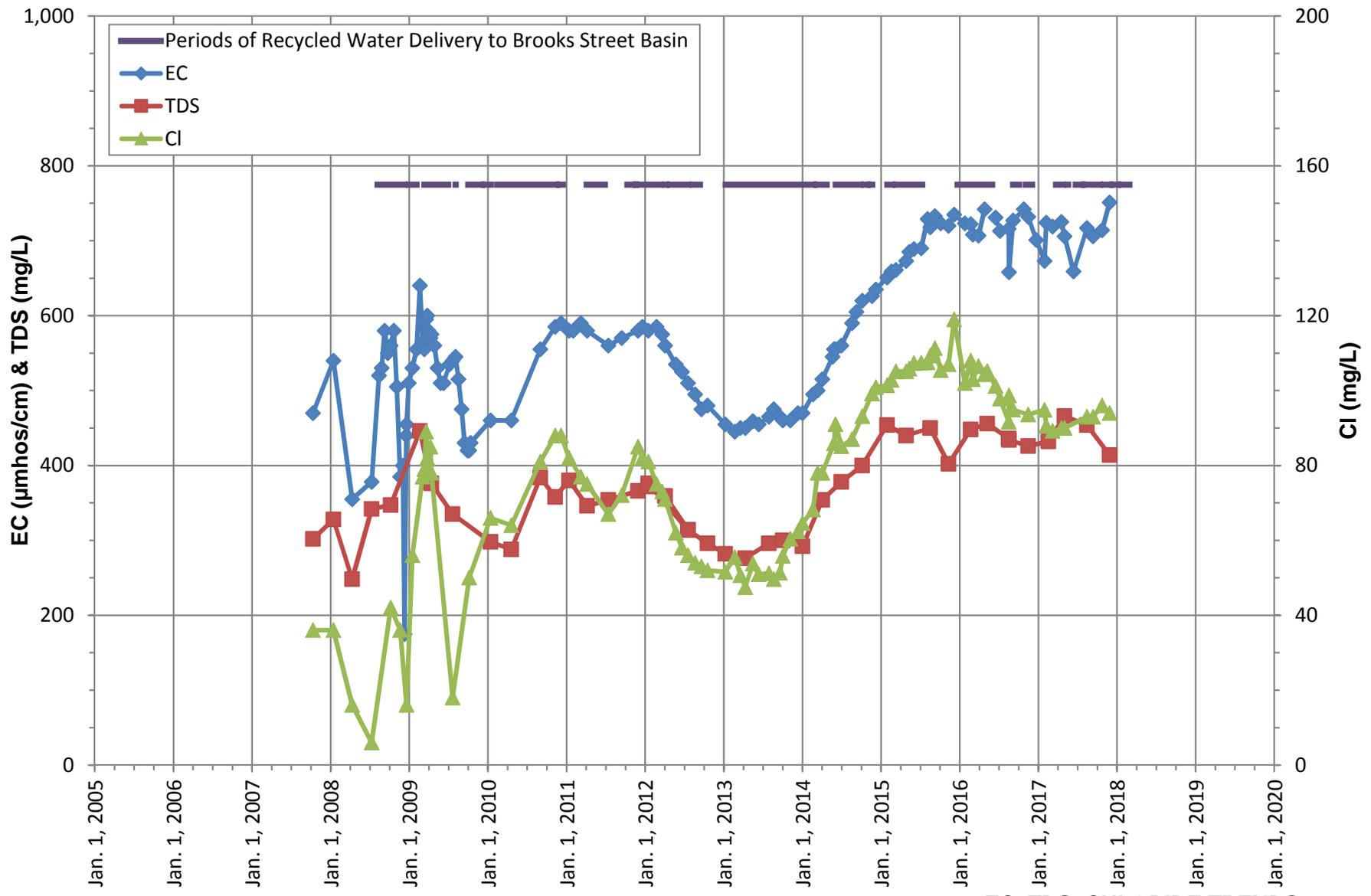
**EC, TDS, CHLORIDE TRENDS
BANANA-HICKORY BASINS
RELIANT EAST WELL**





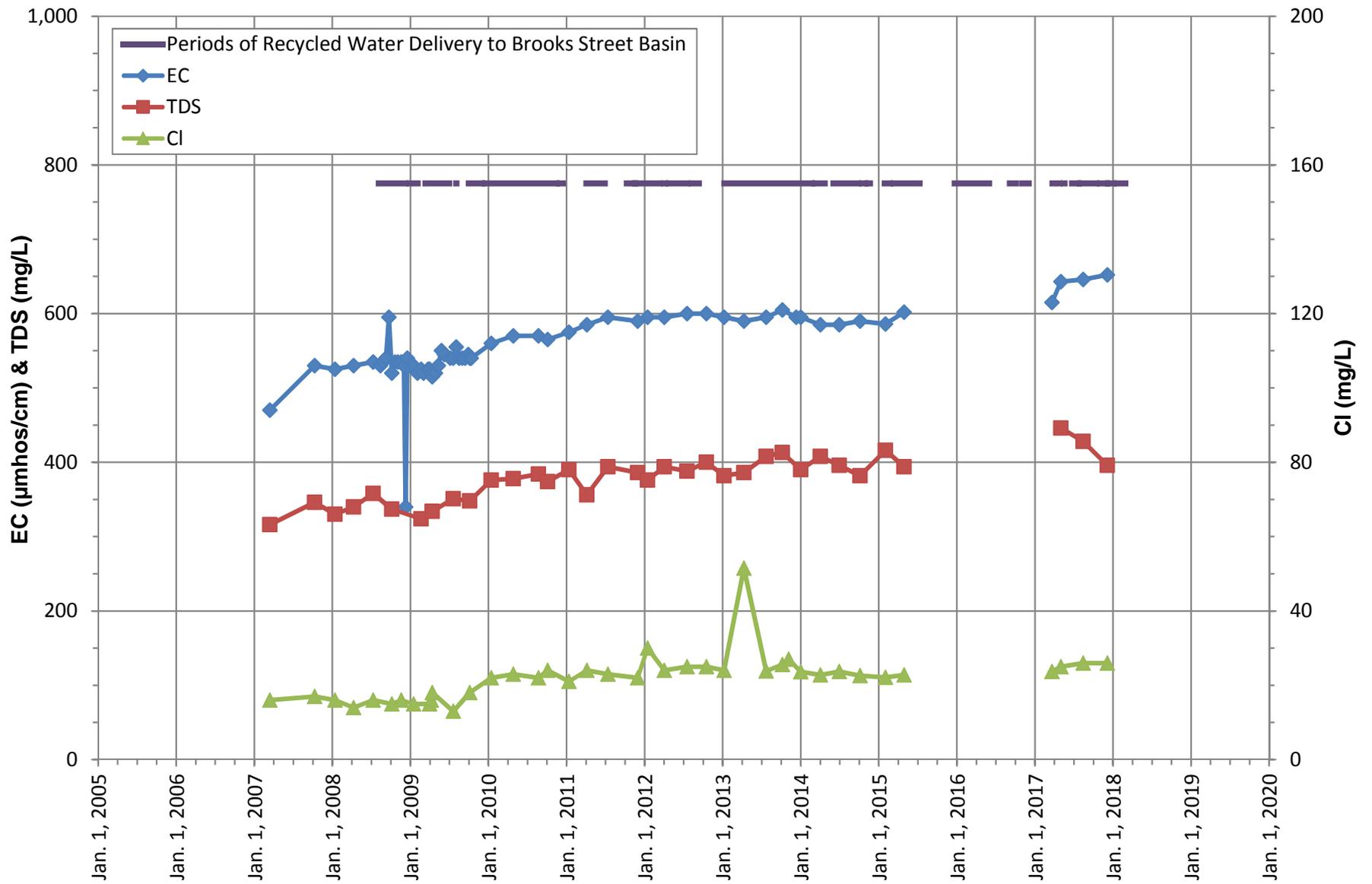
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BANANA-HICKORY BASINS
FONTANA WATER CO. 37A**





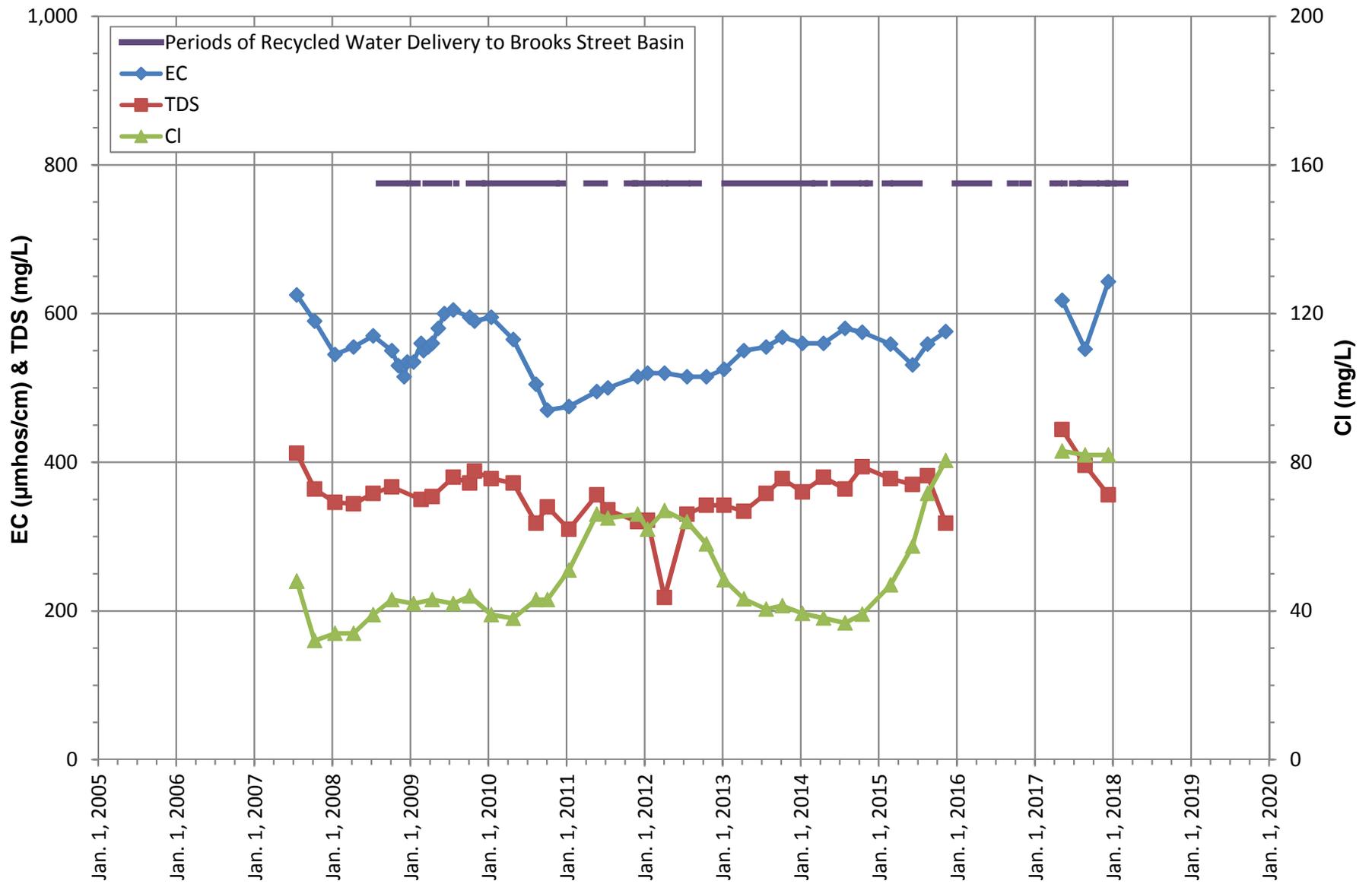
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BROOKS STREET BASIN
MW BRK-1/1**





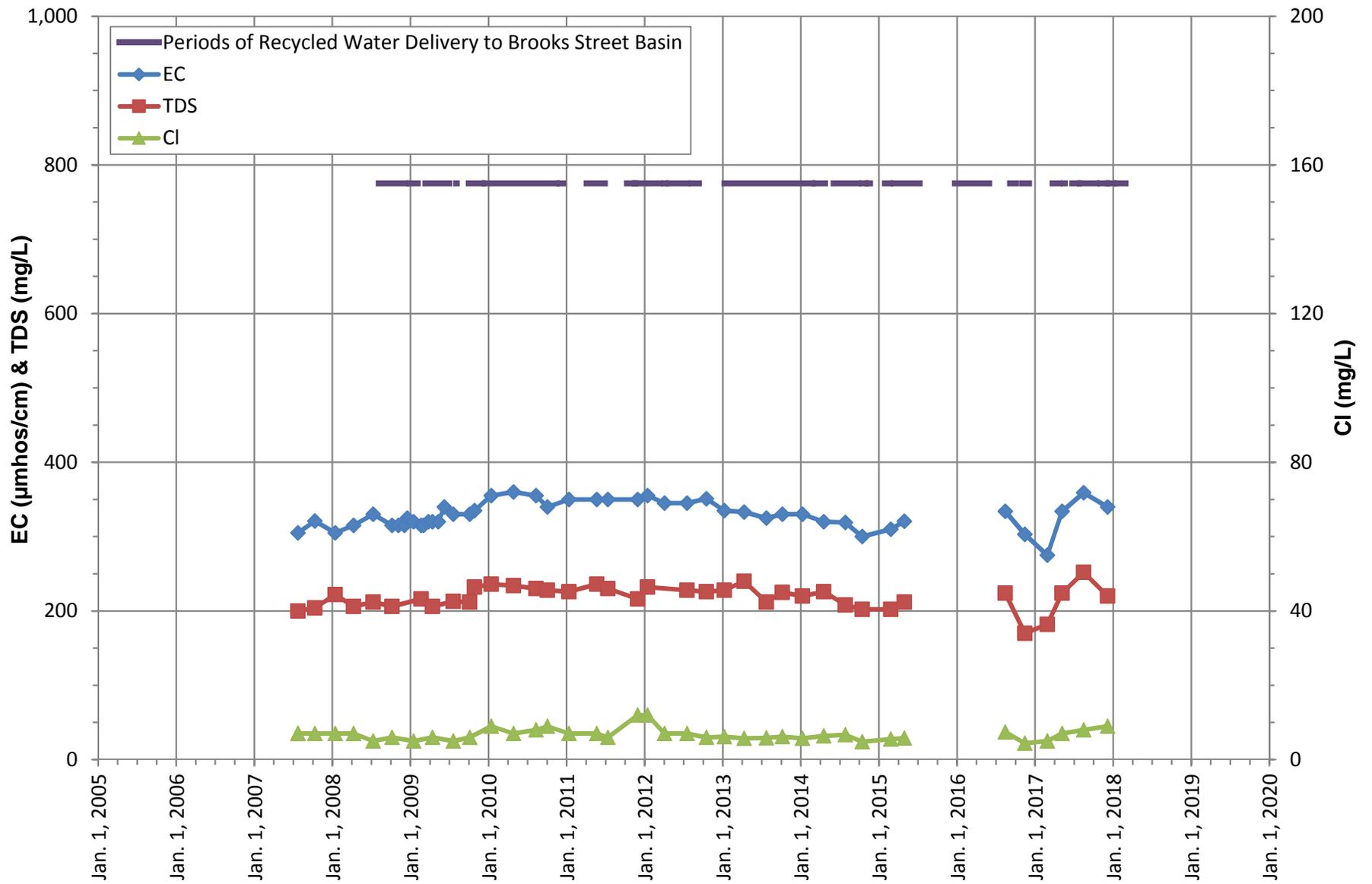
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BROOKS STREET BASIN
MW BRK-1/2**





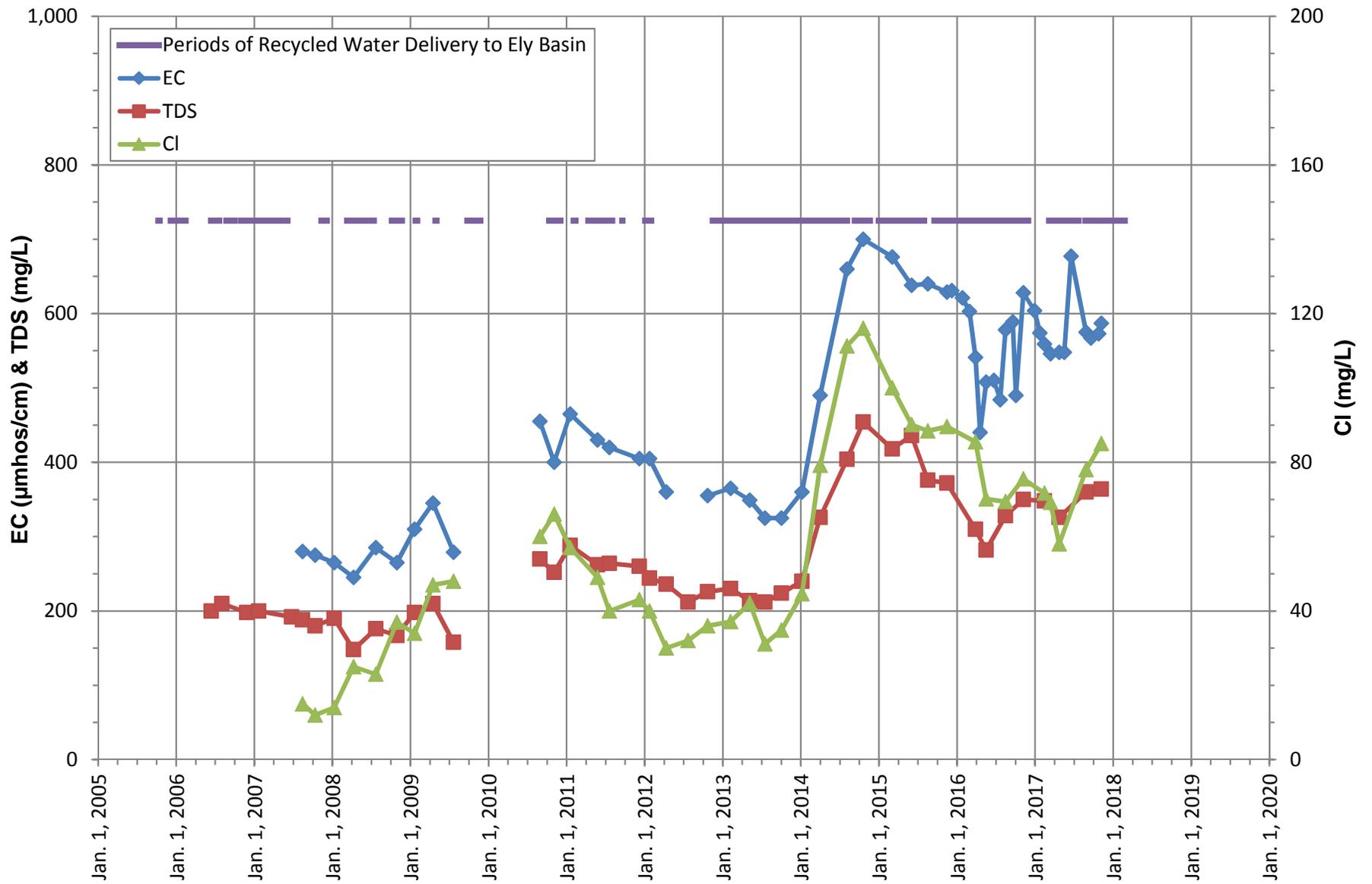
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BROOKS STREET BASIN
MW BRK-2/1**





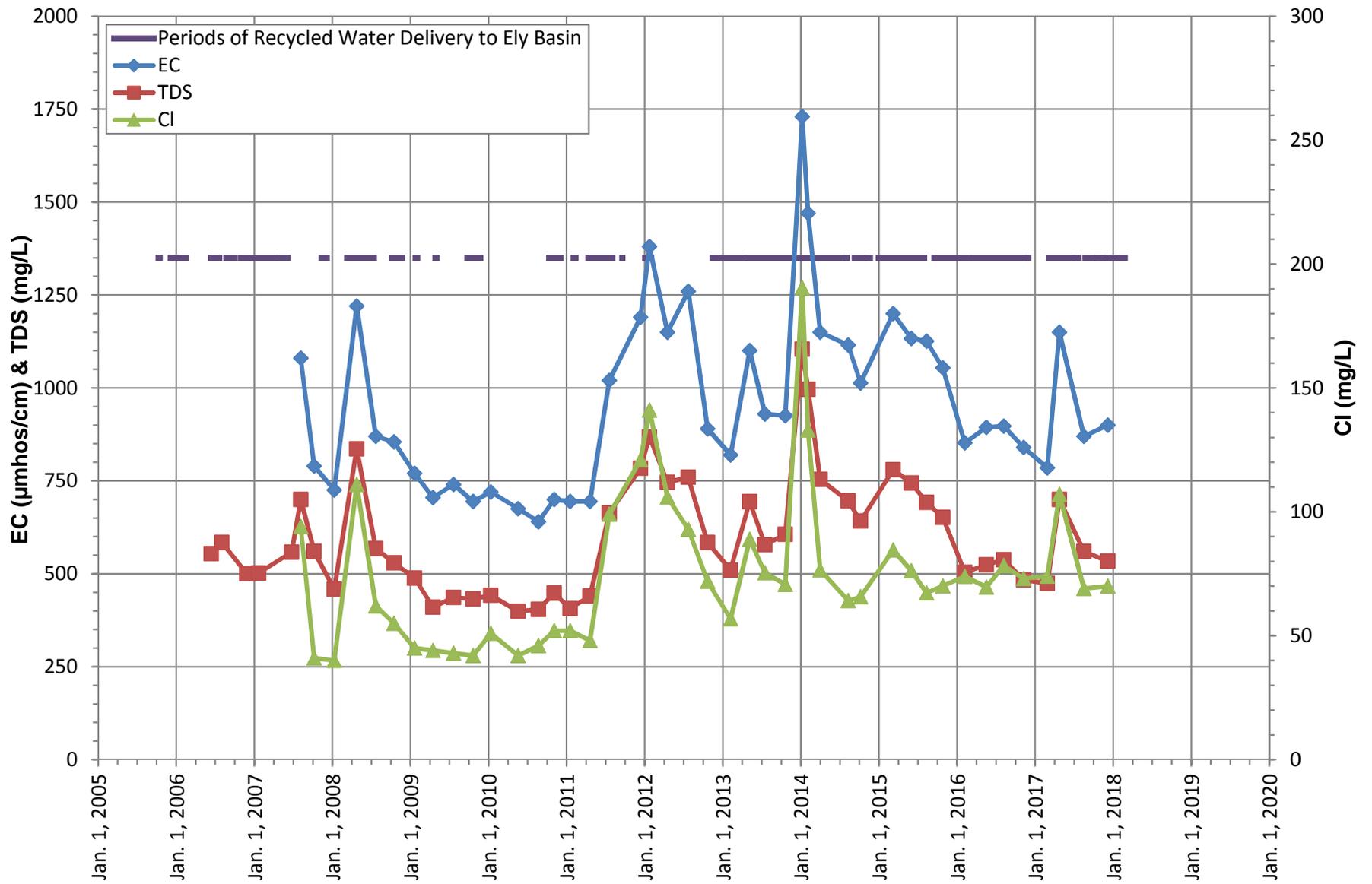
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BROOKS STREET BASIN
MW BRK-2/2**





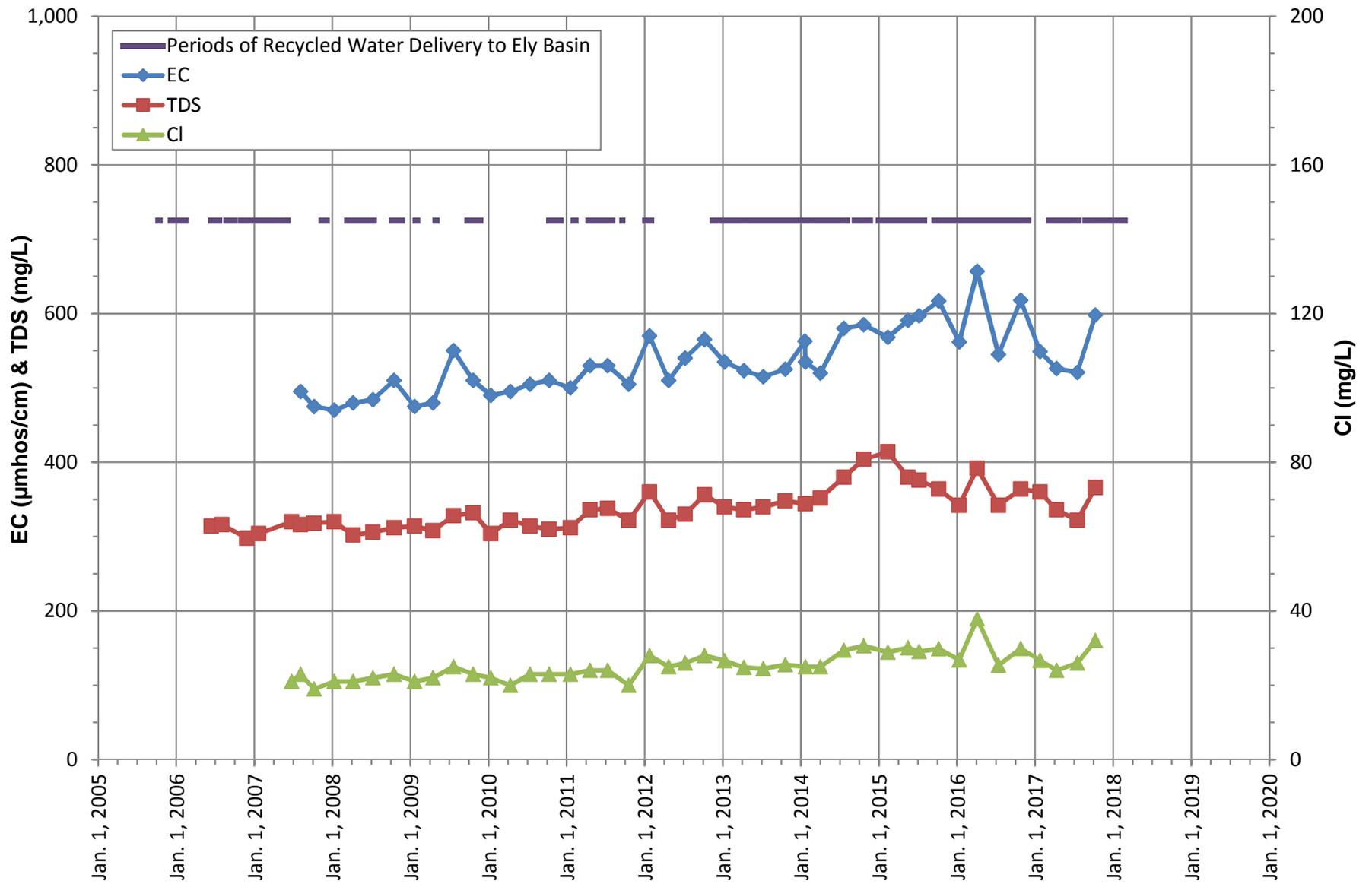
**EC, TDS, CHLORIDE TRENDS
ELY BASIN
PHILADELPHIA WELL**





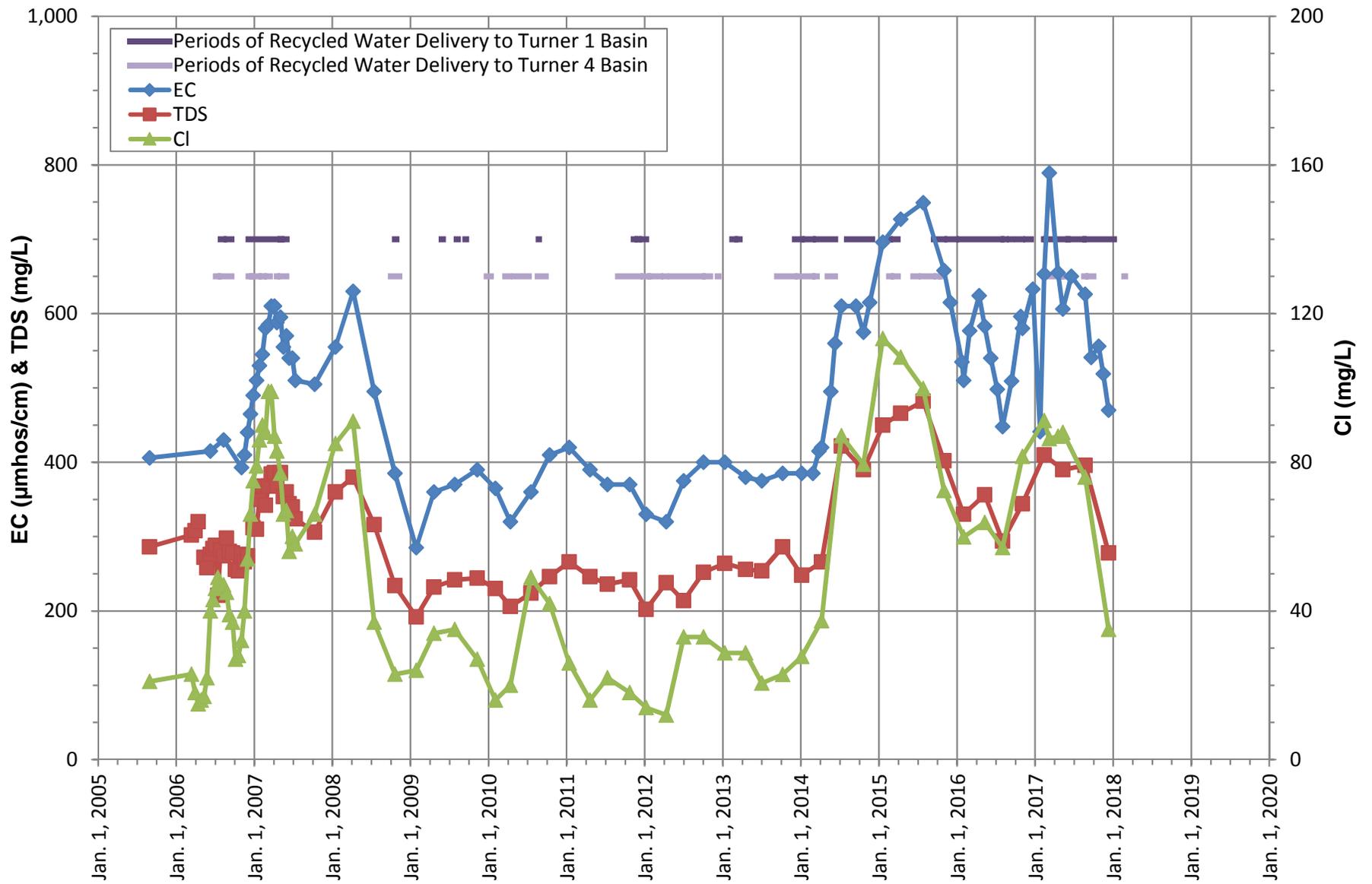
**EC, TDS, CHLORIDE TRENDS
ELY BASIN
WALNUT WELL**





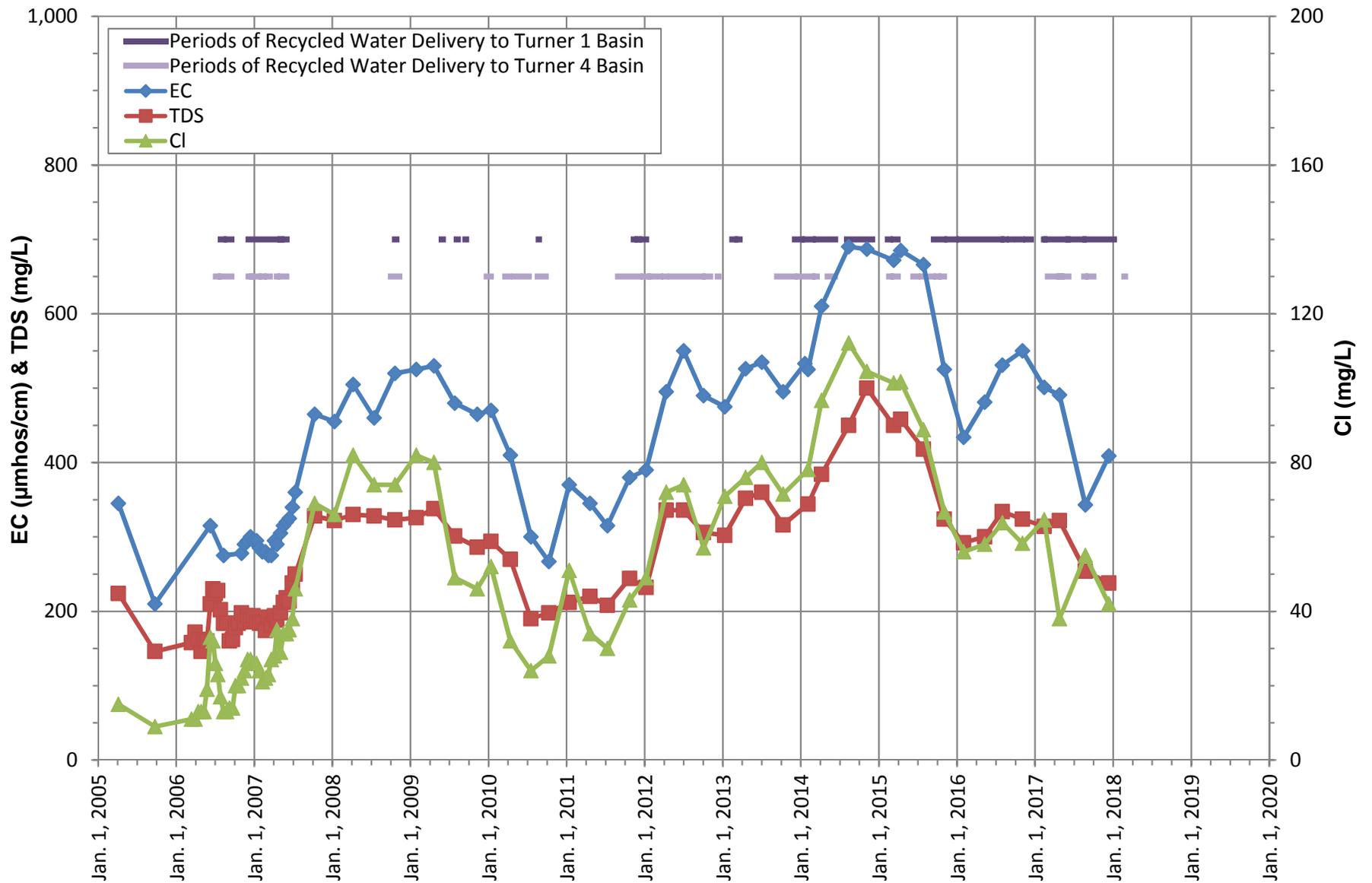
**EC, TDS, CHLORIDE TRENDS
ELY BASIN
RIVERSIDE WELL**





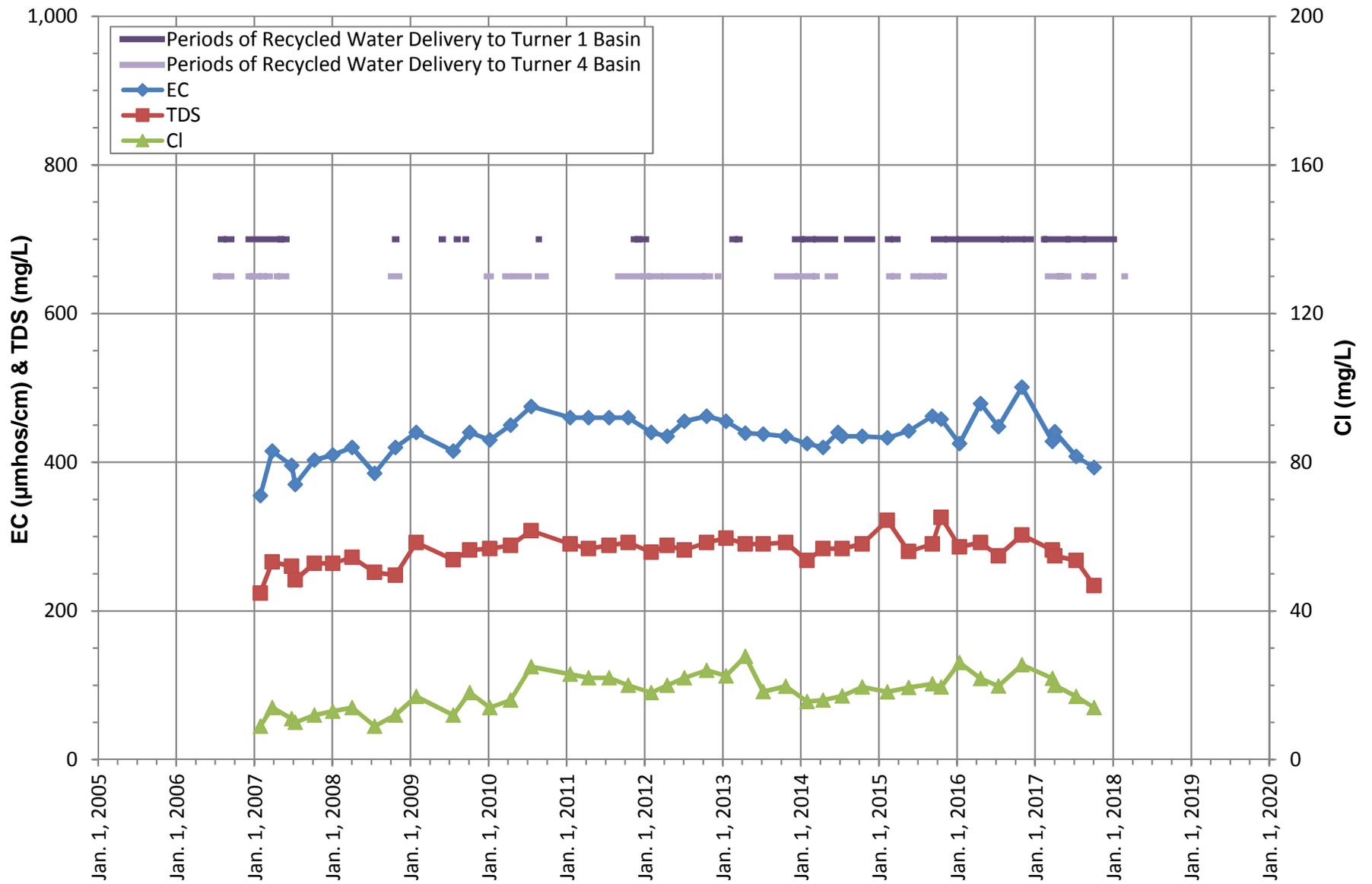
**EC, TDS, CHLORIDE TRENDS
TURNER BASINS
MW TRN-1/2**





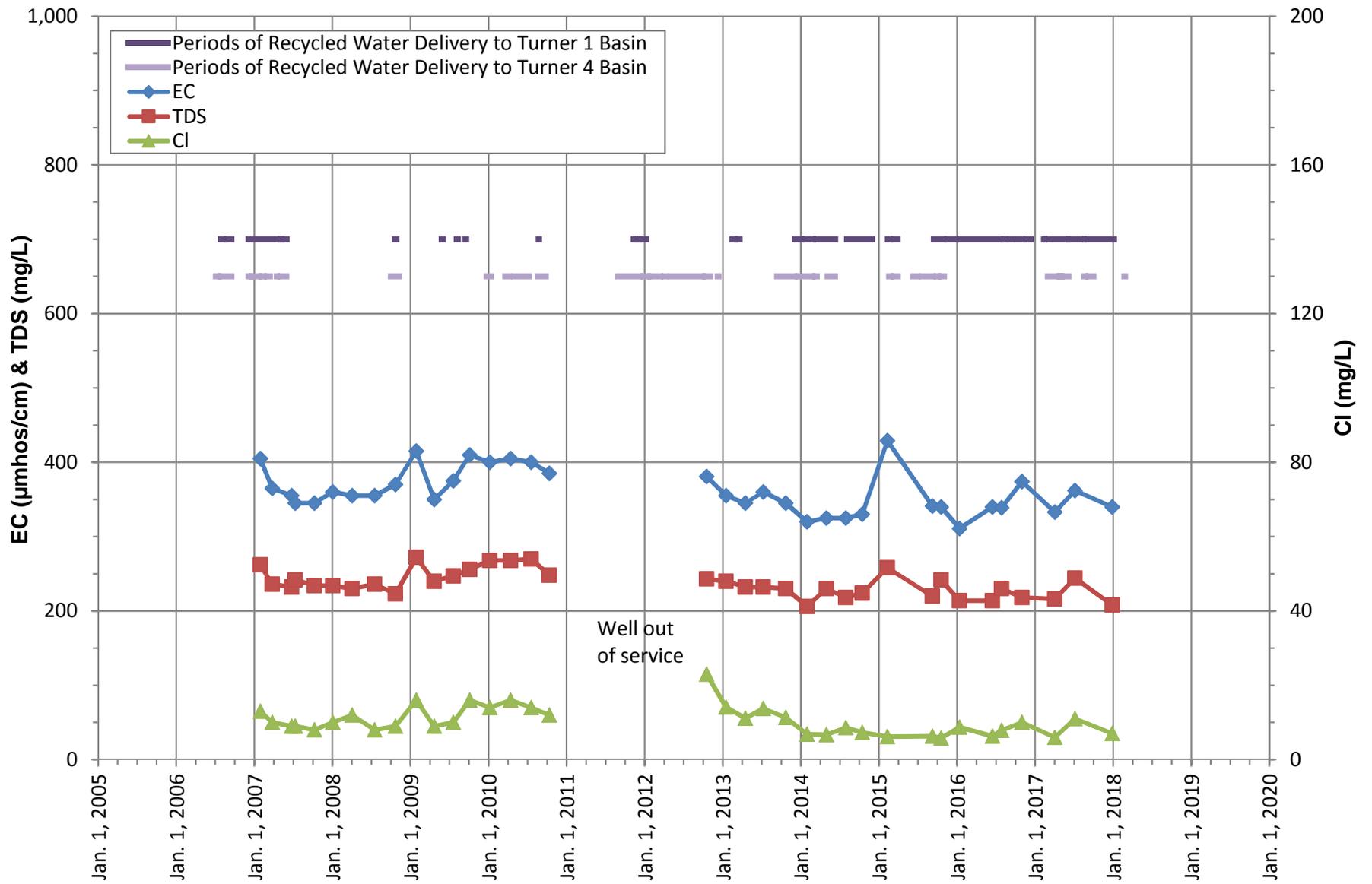
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TURNER BASINS
MW TRN-2/2**





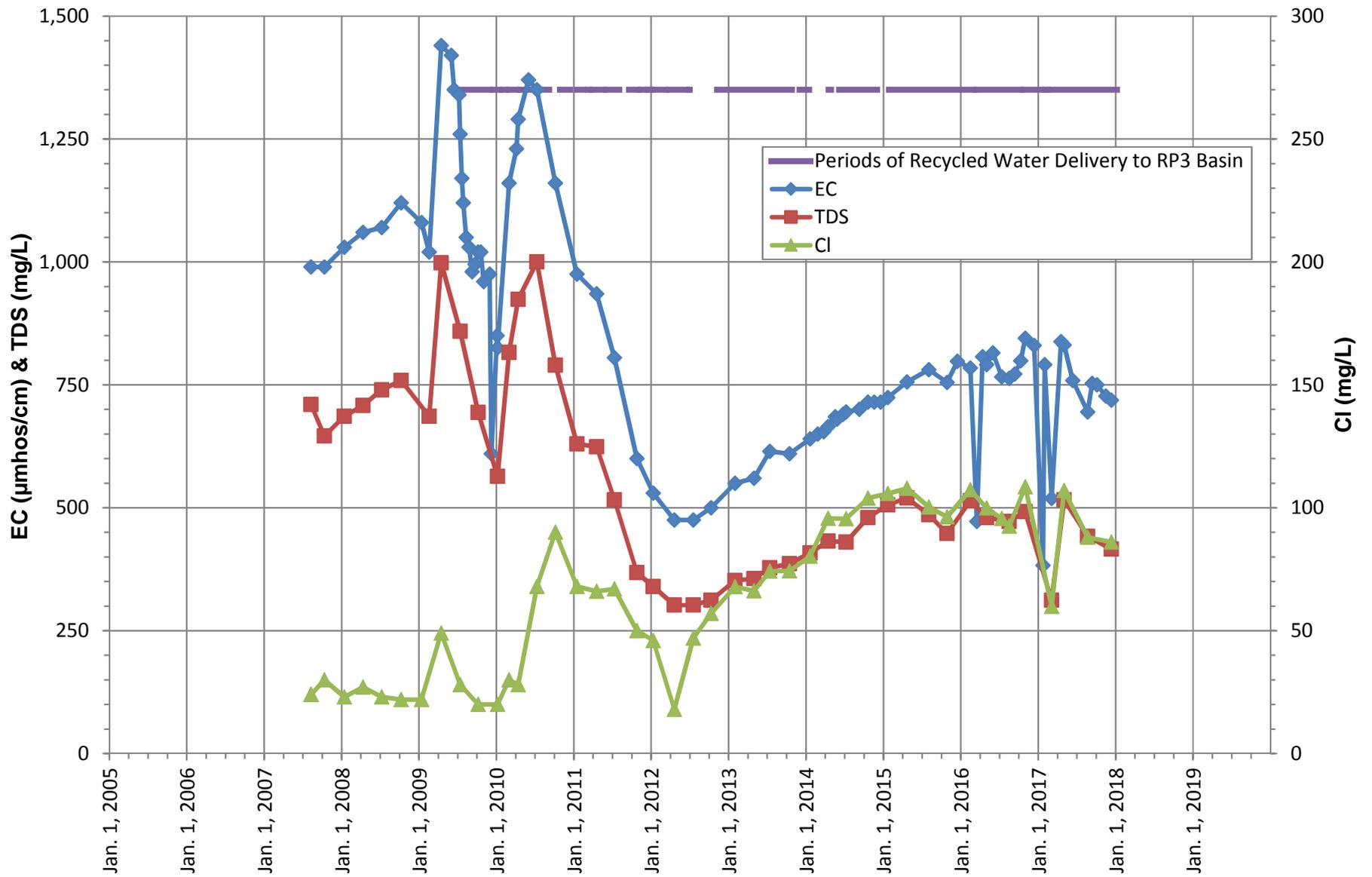
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TURNER BASINS
ONTARIO NO. 25**





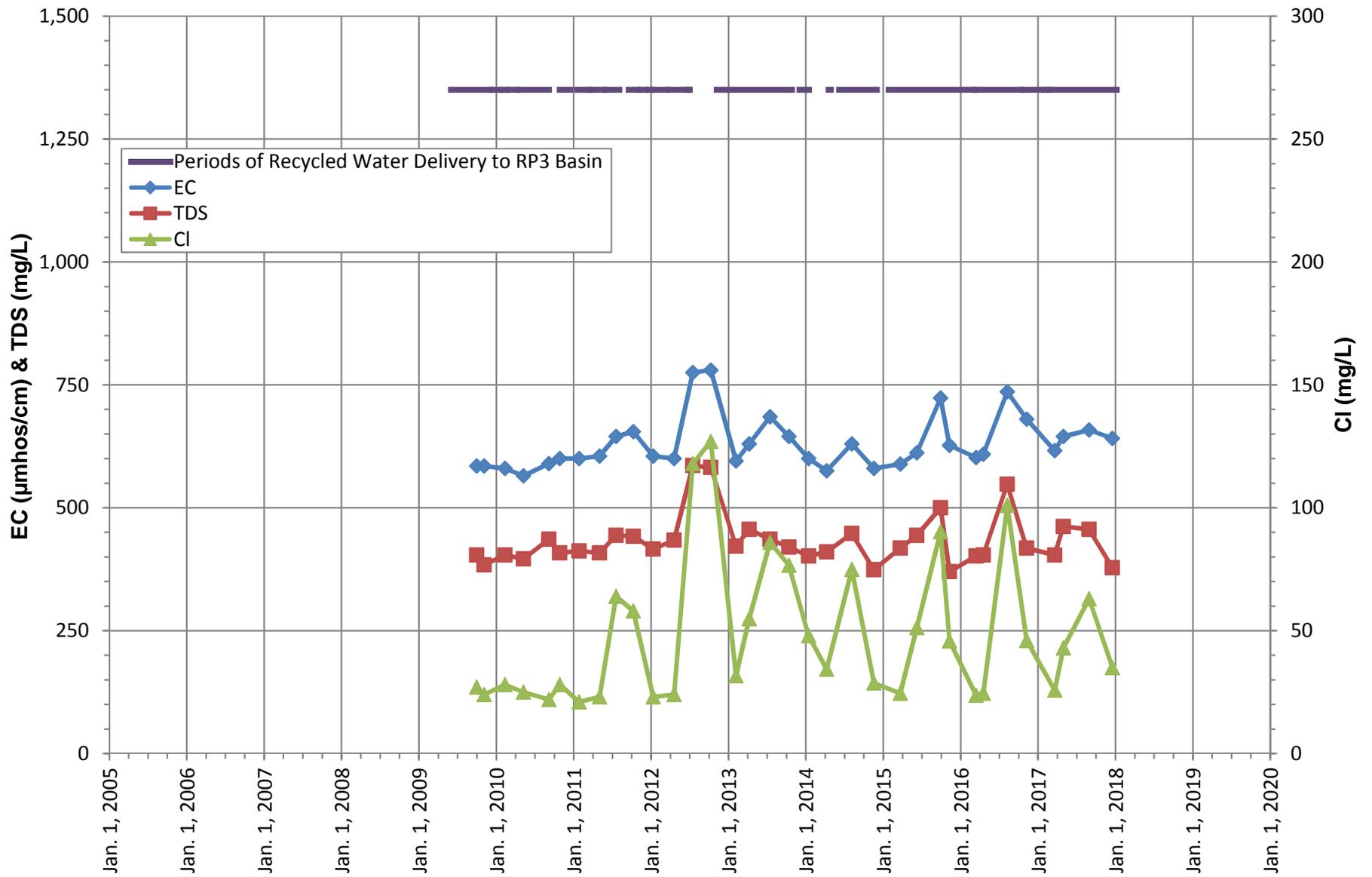
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TURNER BASINS
ONTARIO NO. 29**





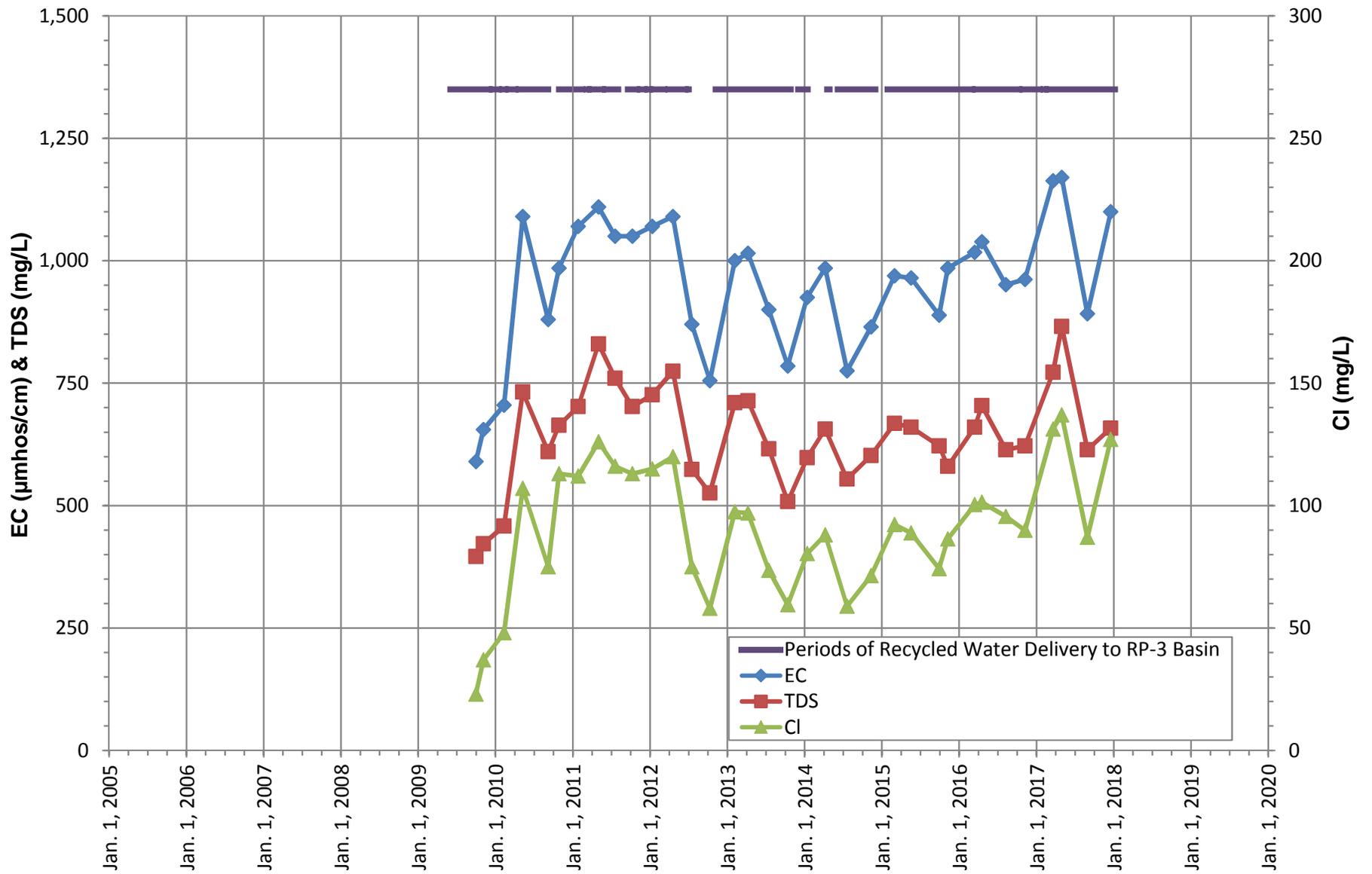
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RP3 BASINS
RP3-1/1**





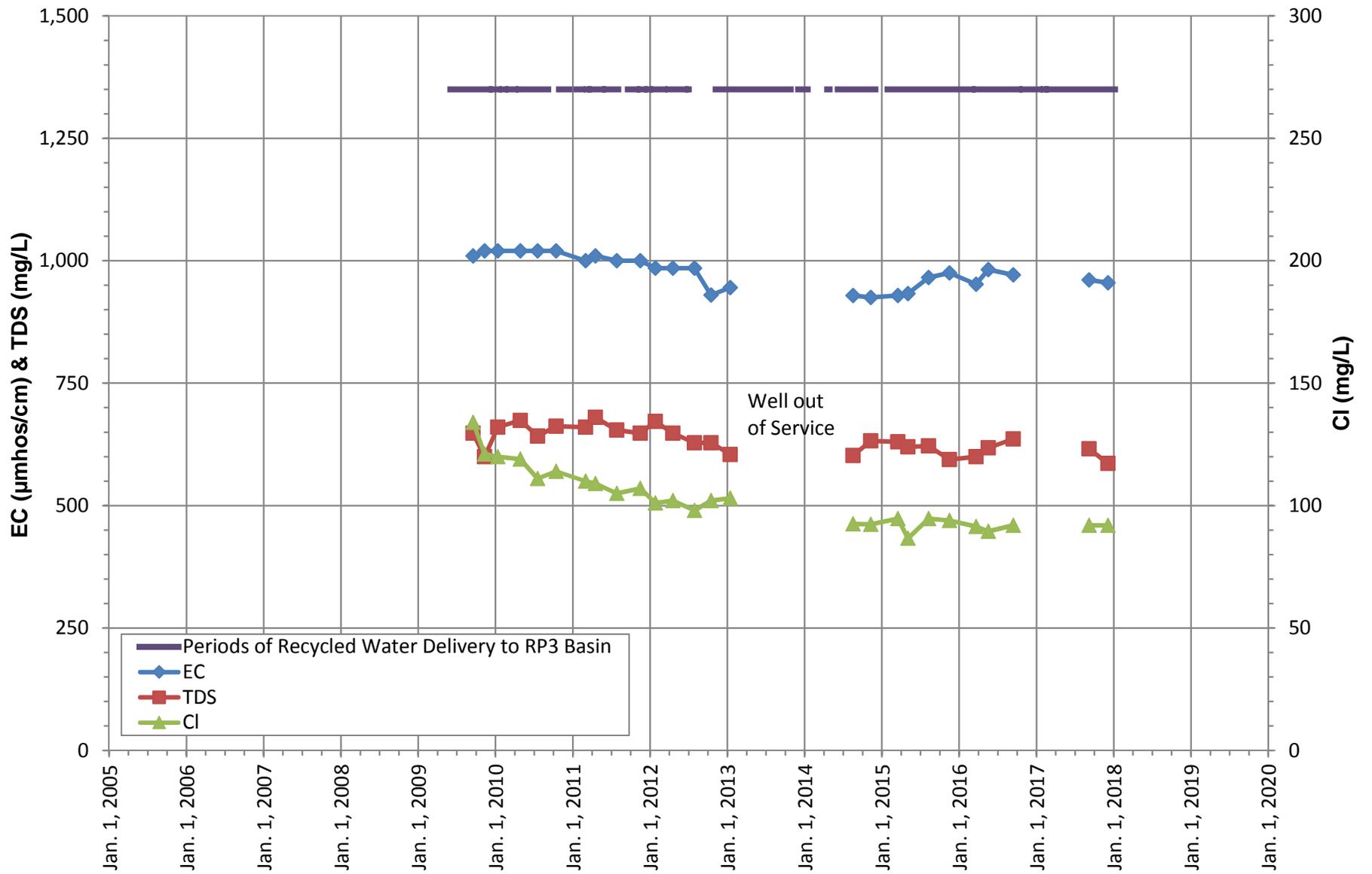
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RP3 BASINS
ALCOA MW-1**





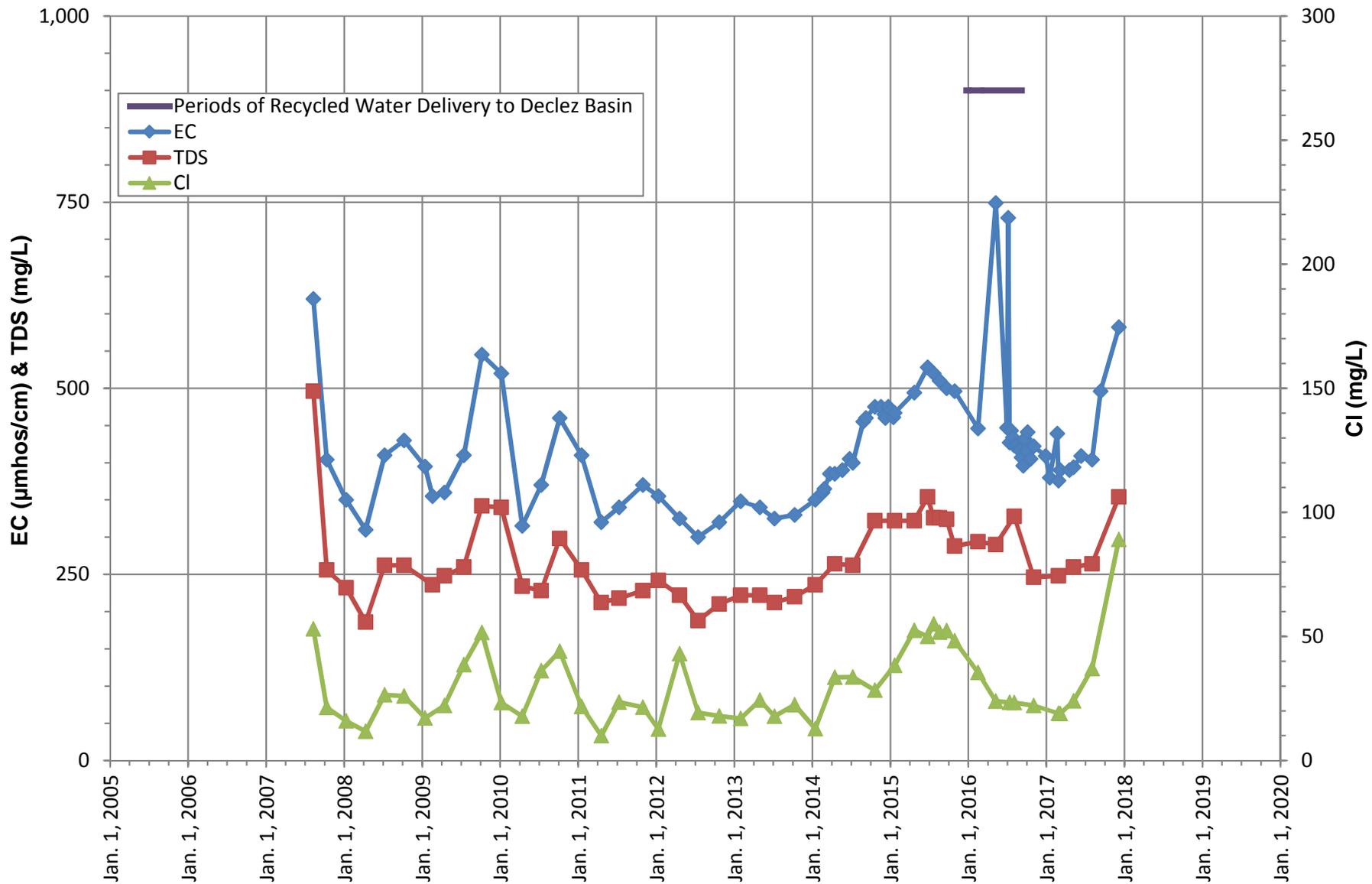
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RP3 BASINS
ALCOA MW-3**





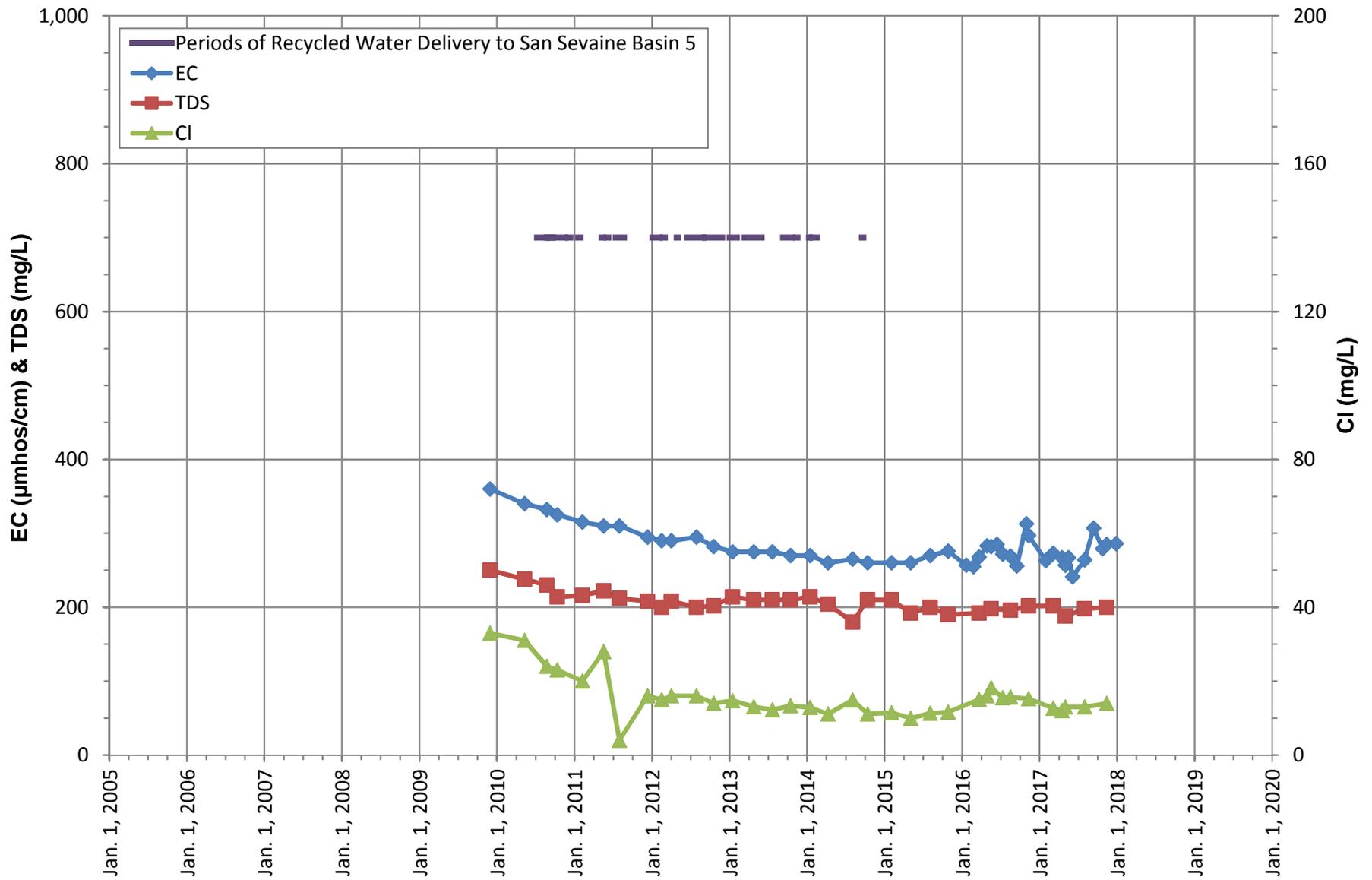
**EC, TDS, CHLORIDE TRENDS
RP3 BASINS
Southridge JHS Well**





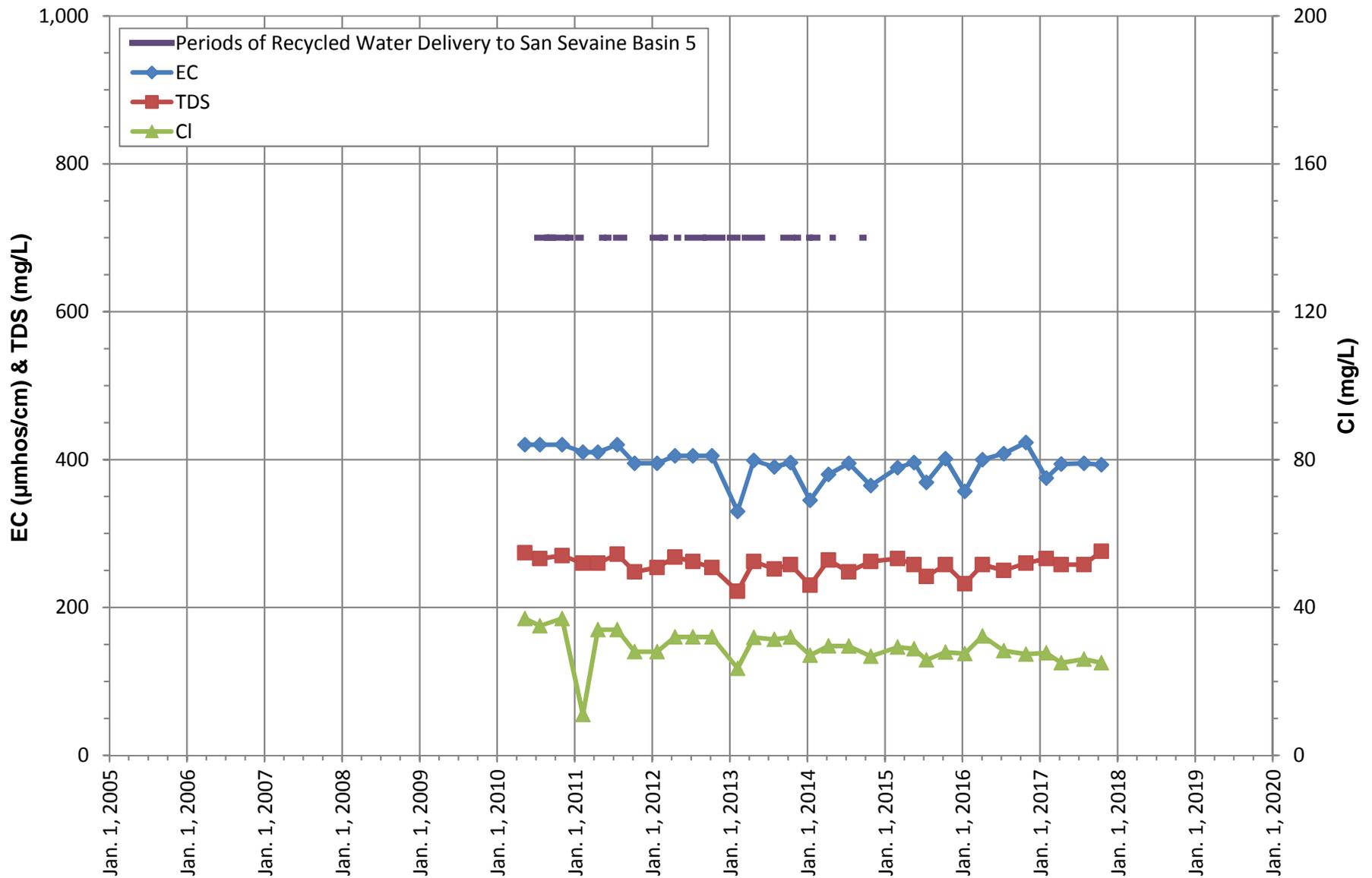
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DECLEZ BASIN
DCZ-1/1**





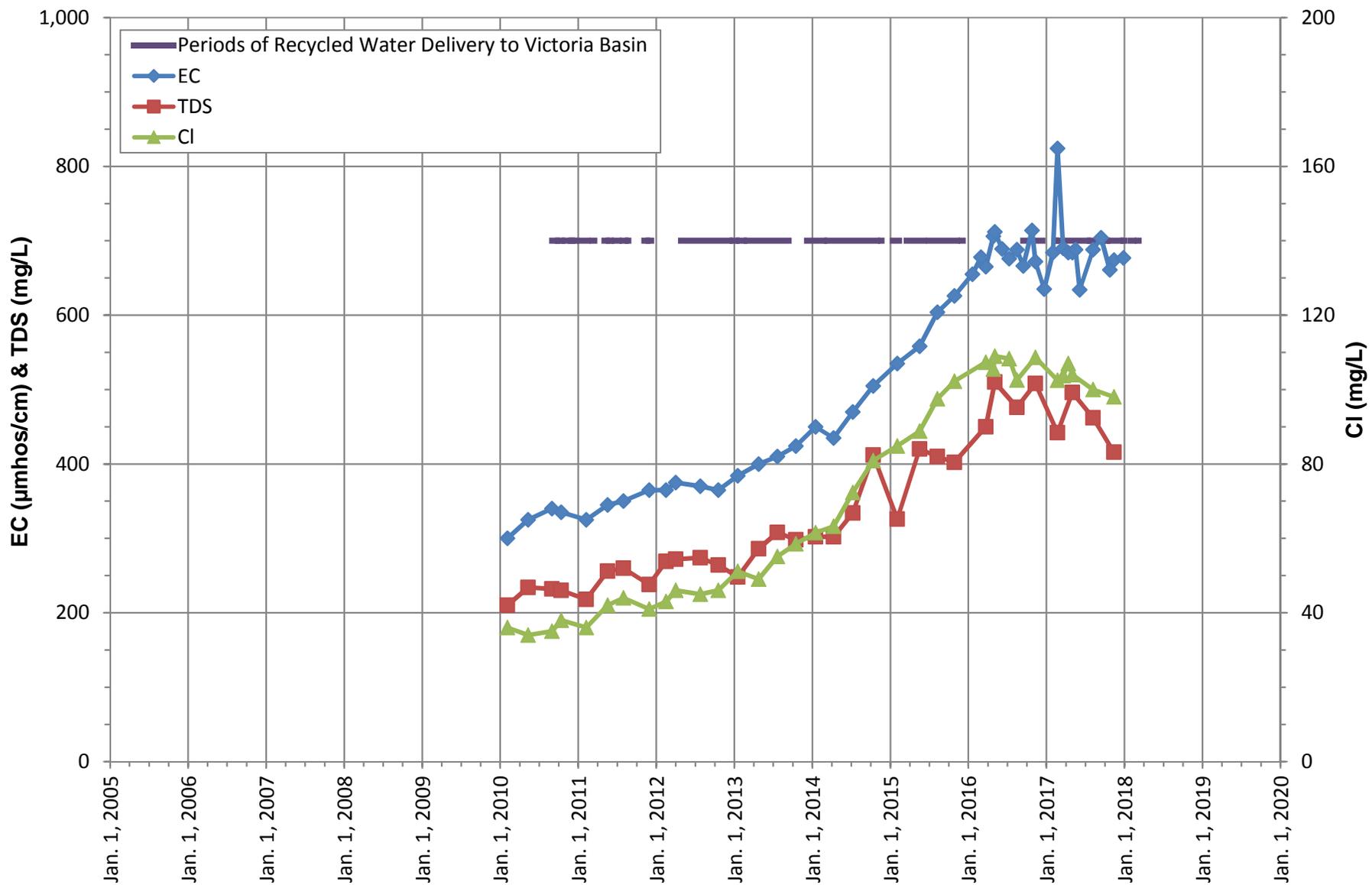
**EC, TDS, CHLORIDE TRENDS
SAN SEVAIVE BASINS
SS-1/1**





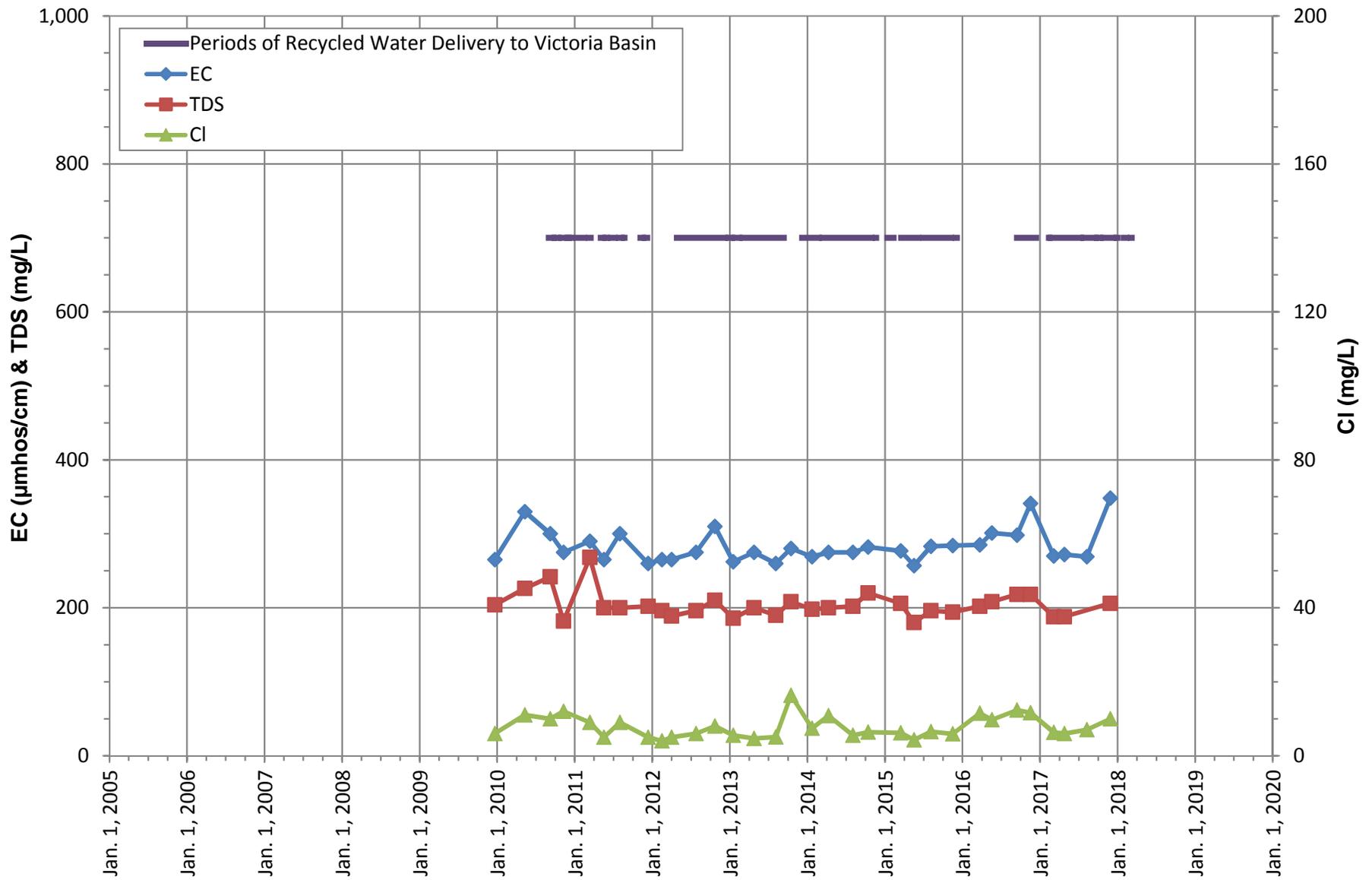
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SAN SEVAINE BASINS
Unitex 91090**





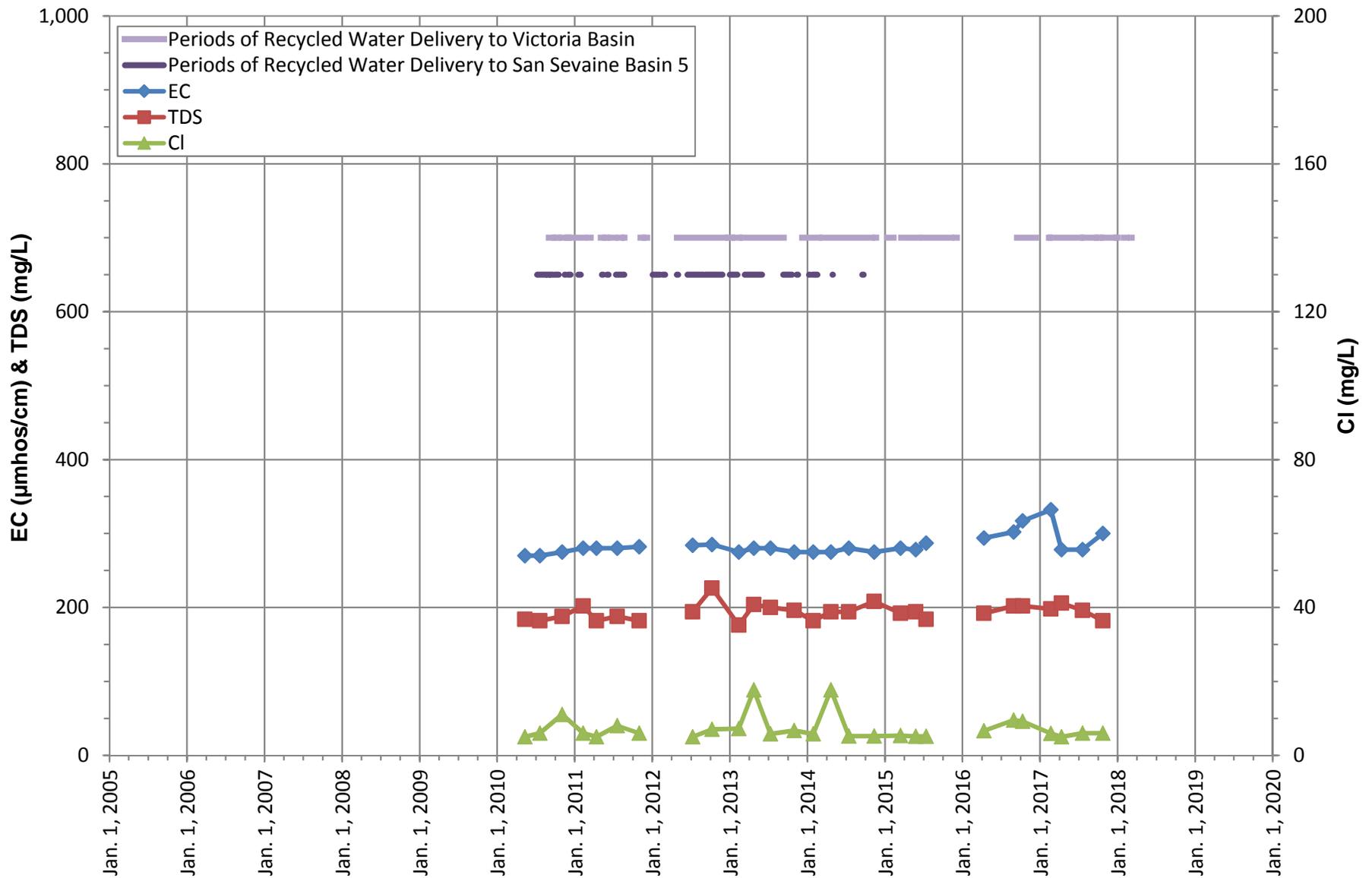
**EC, TDS, CHLORIDE TRENDS
VICTORIA BASIN
VCT-1/1**





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



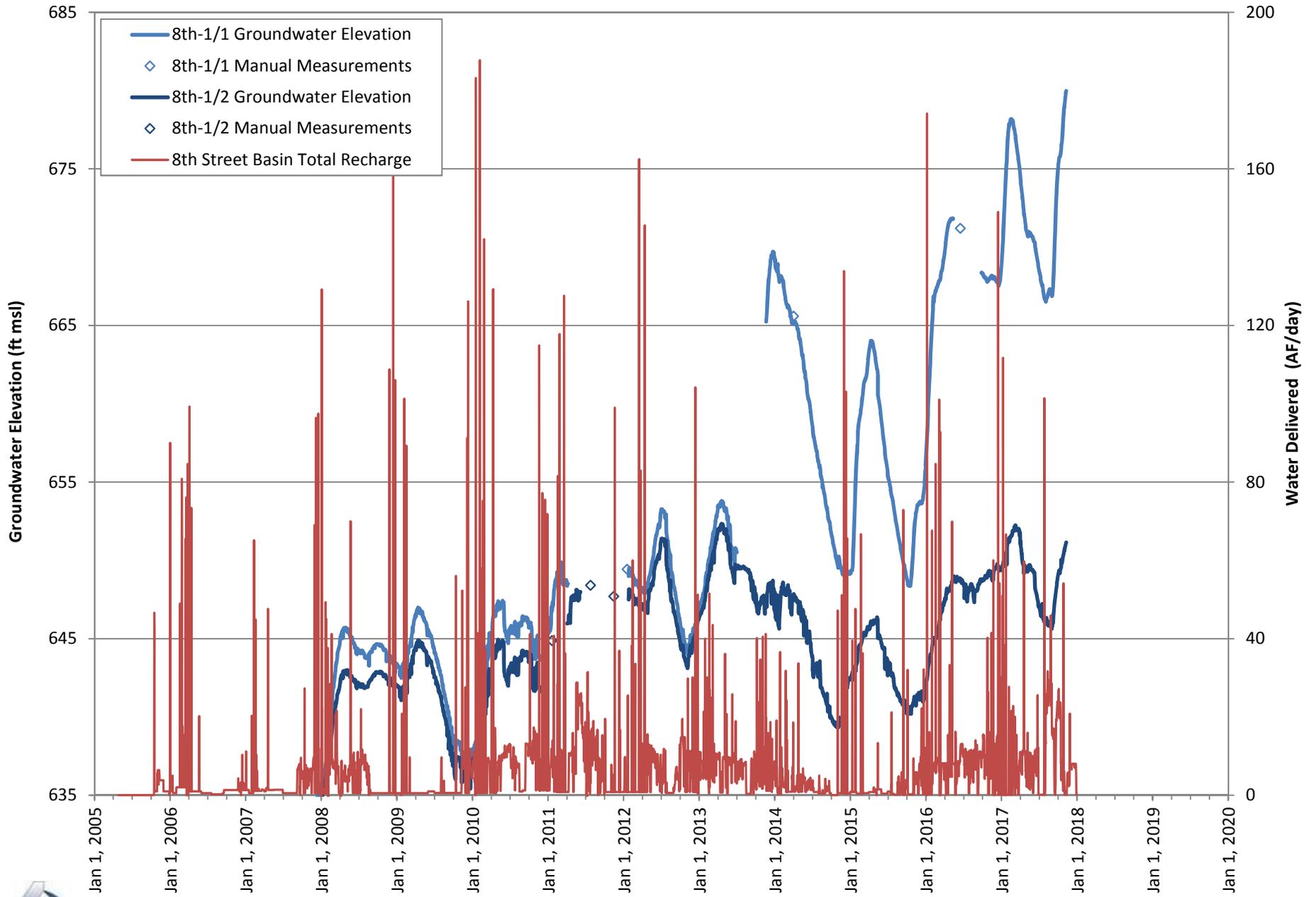


**EC, TDS, CHLORIDE TRENDS
SAN SEVAIRE & VICTORIA BASINS
CVWD Well No. 39**

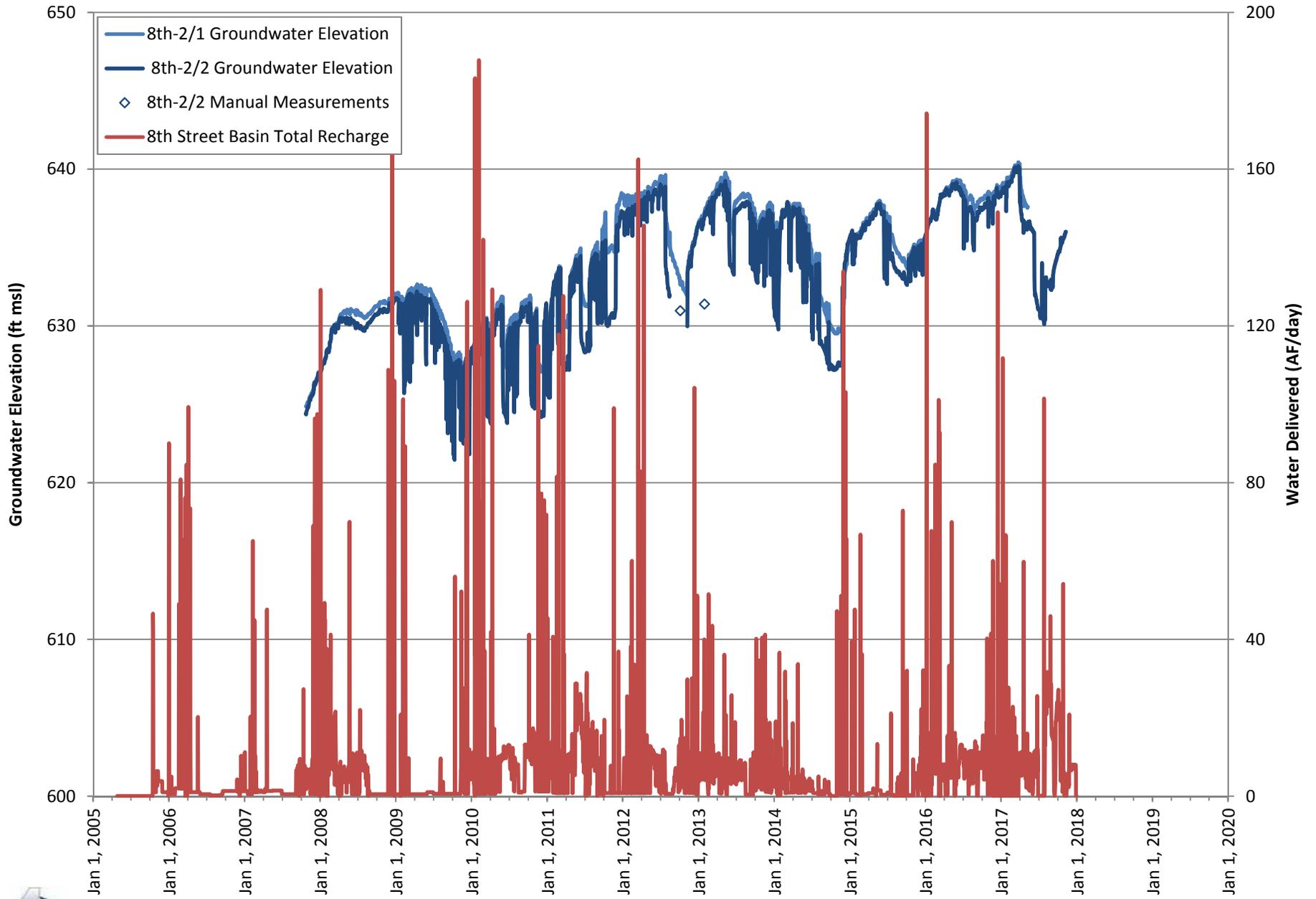


APPENDIX D

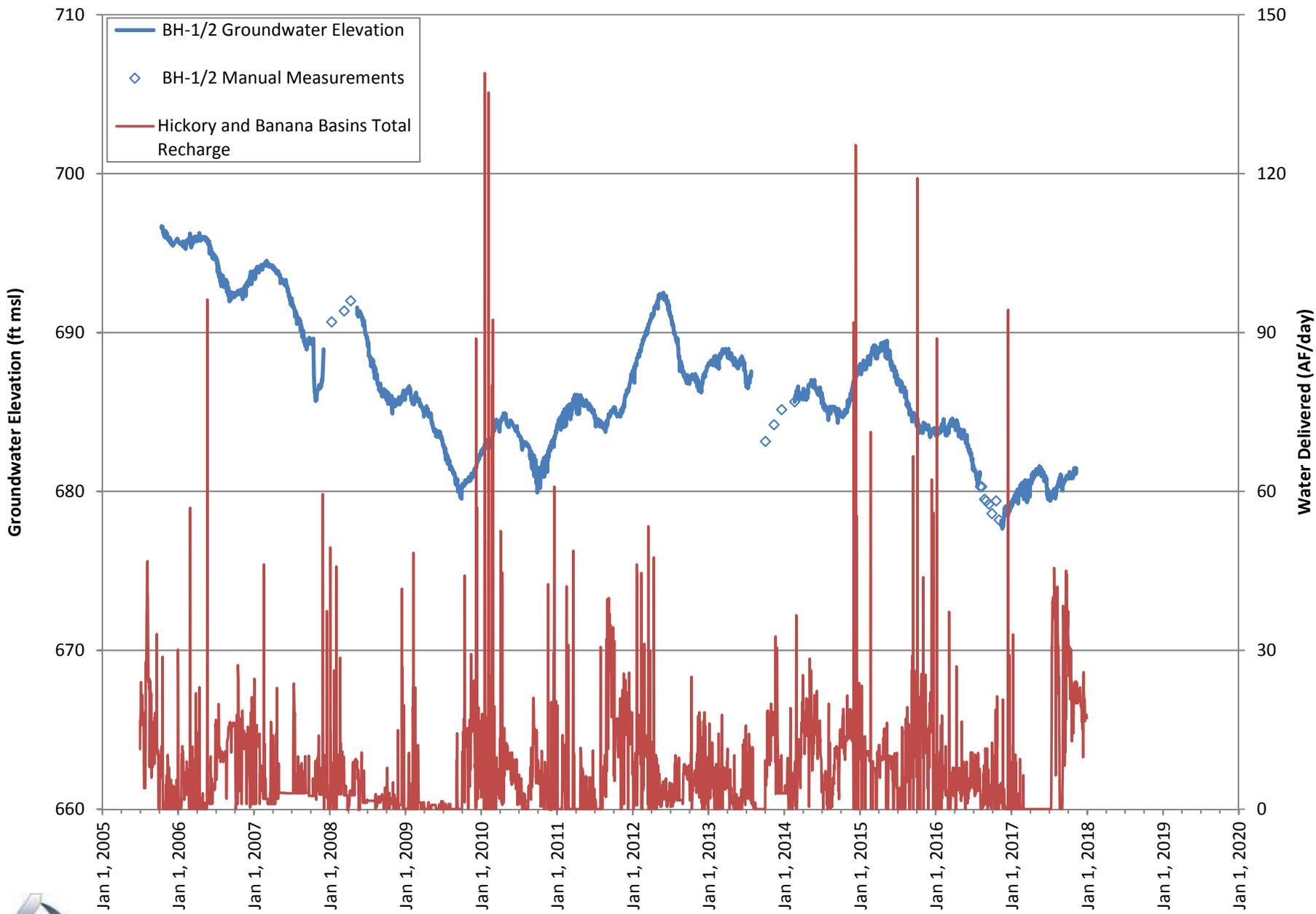
MONITORING WELL HYDROGRAPHS



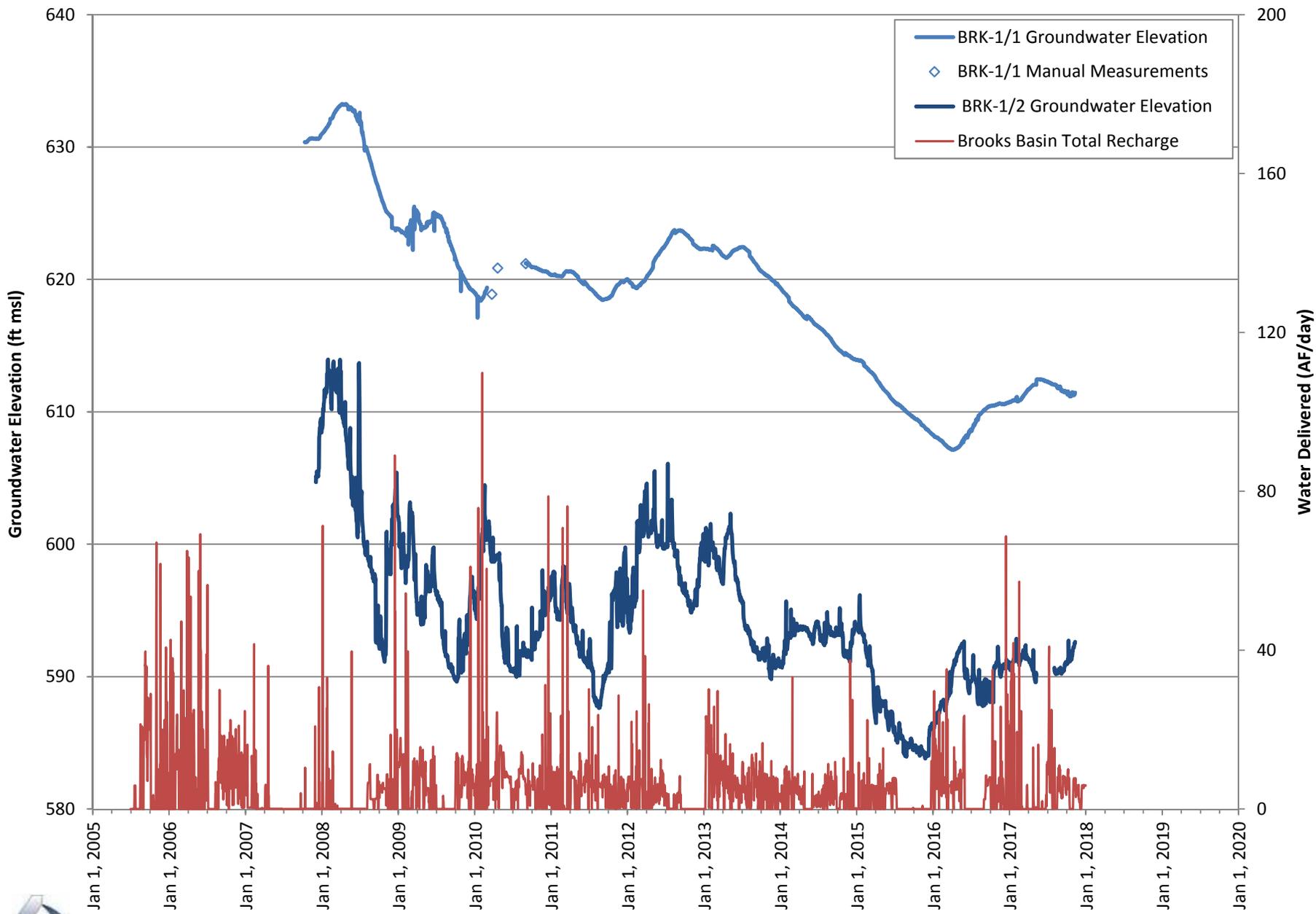
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MW 8TH-1/1 & 8TH-1/2**



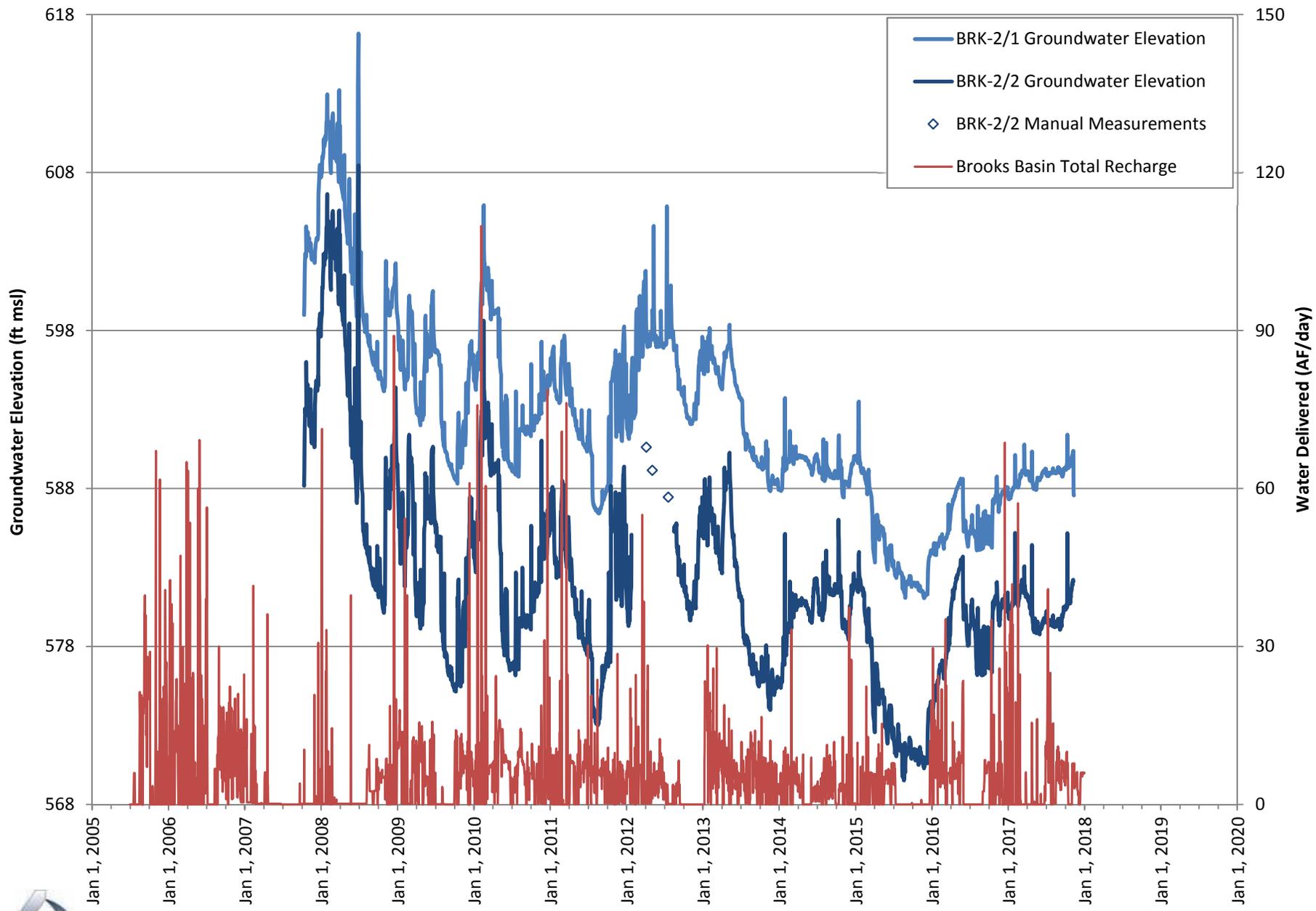
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MW 8TH-2/1 & 8TH-2/2**



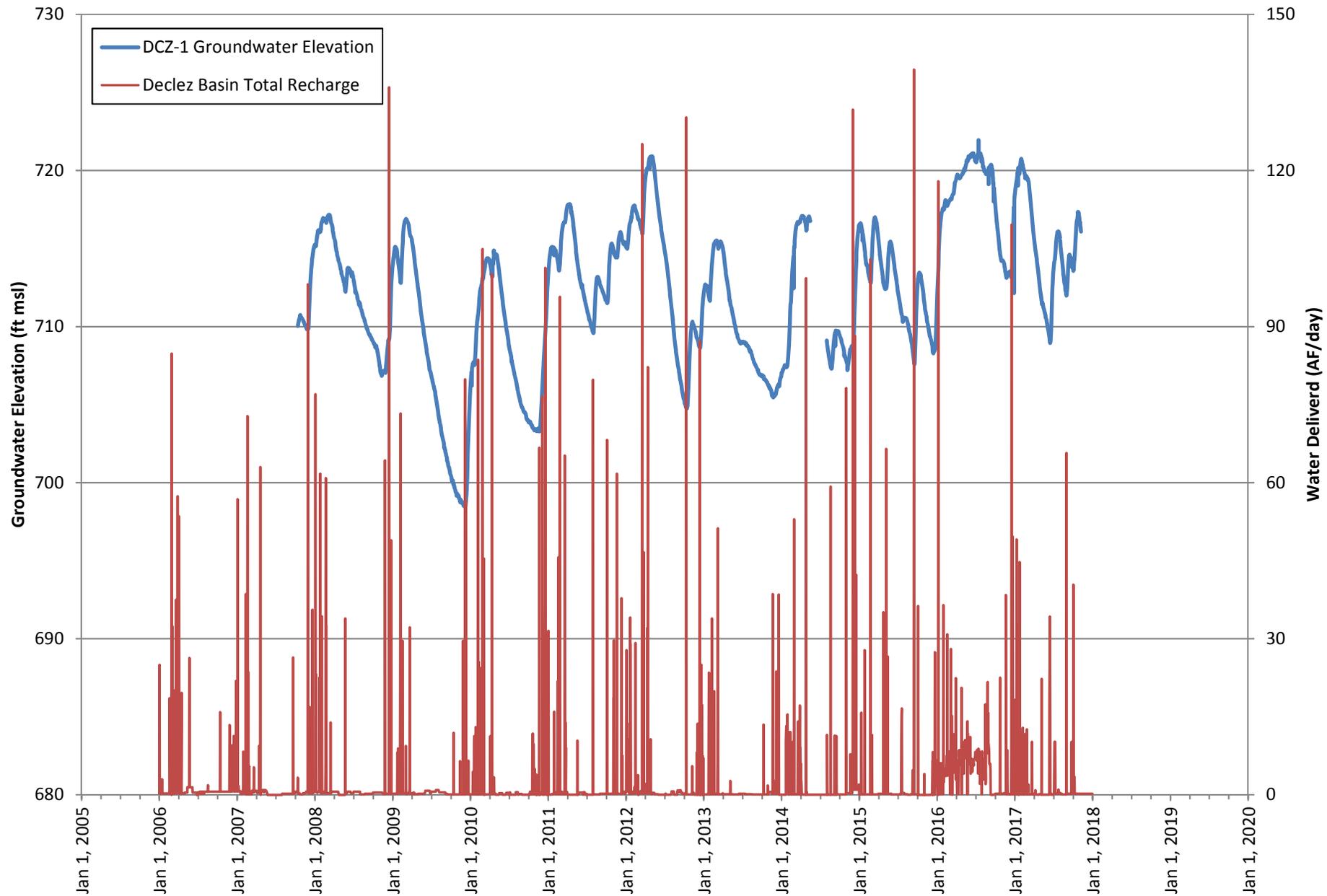
**HYDROGRAPH
MW BH-1/2**



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

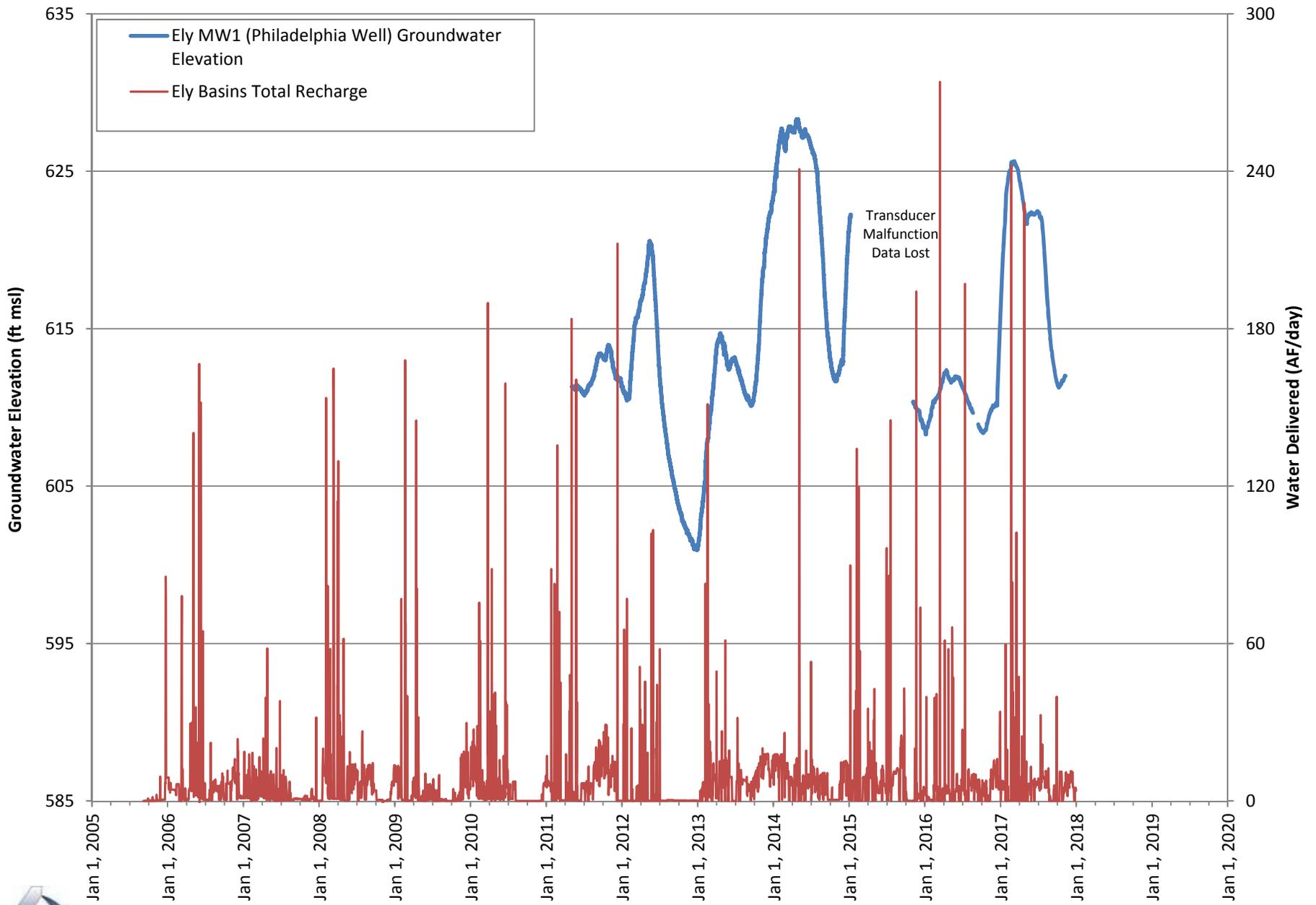


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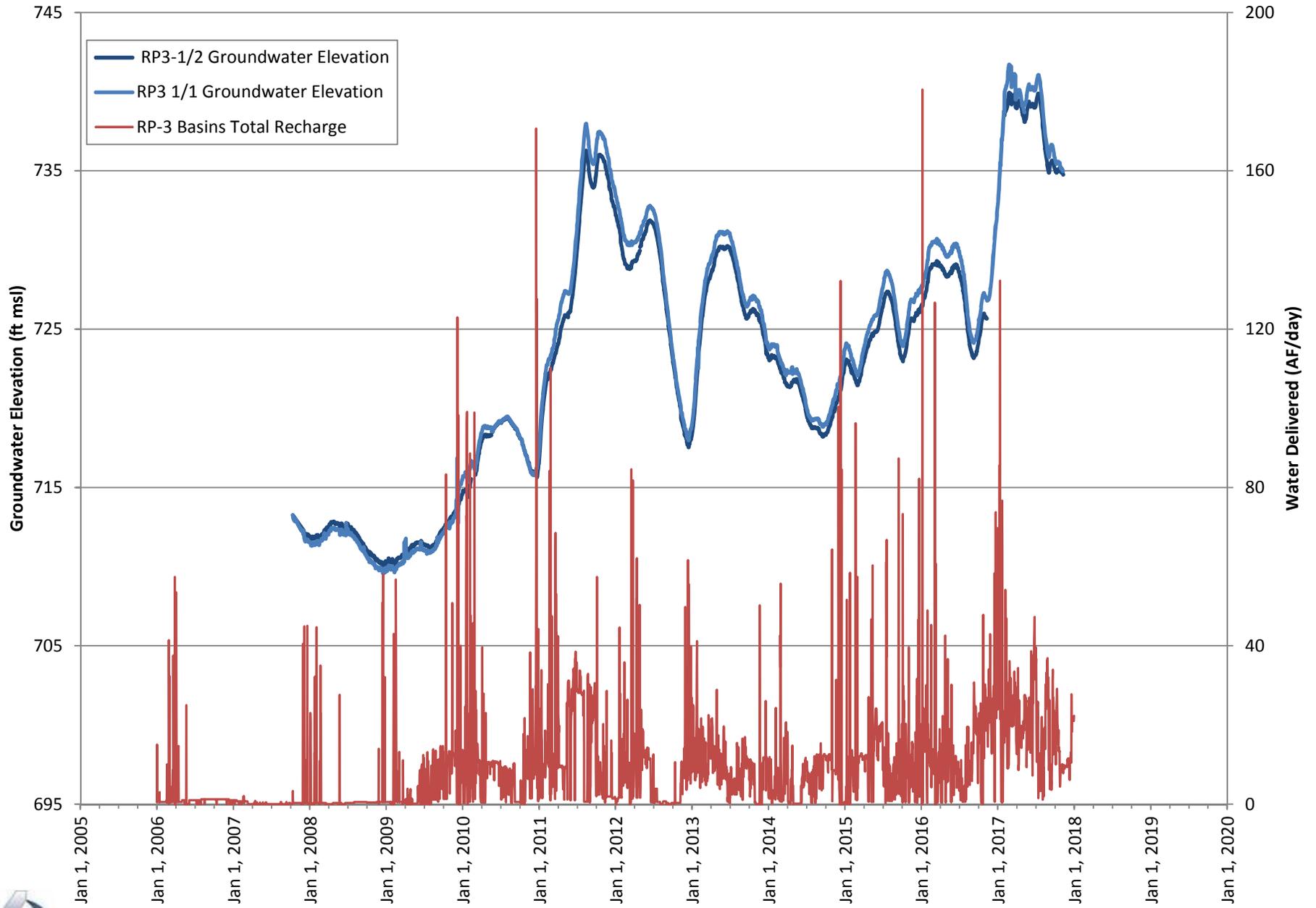


**HYDROGRAPH
MW DCZ-1**

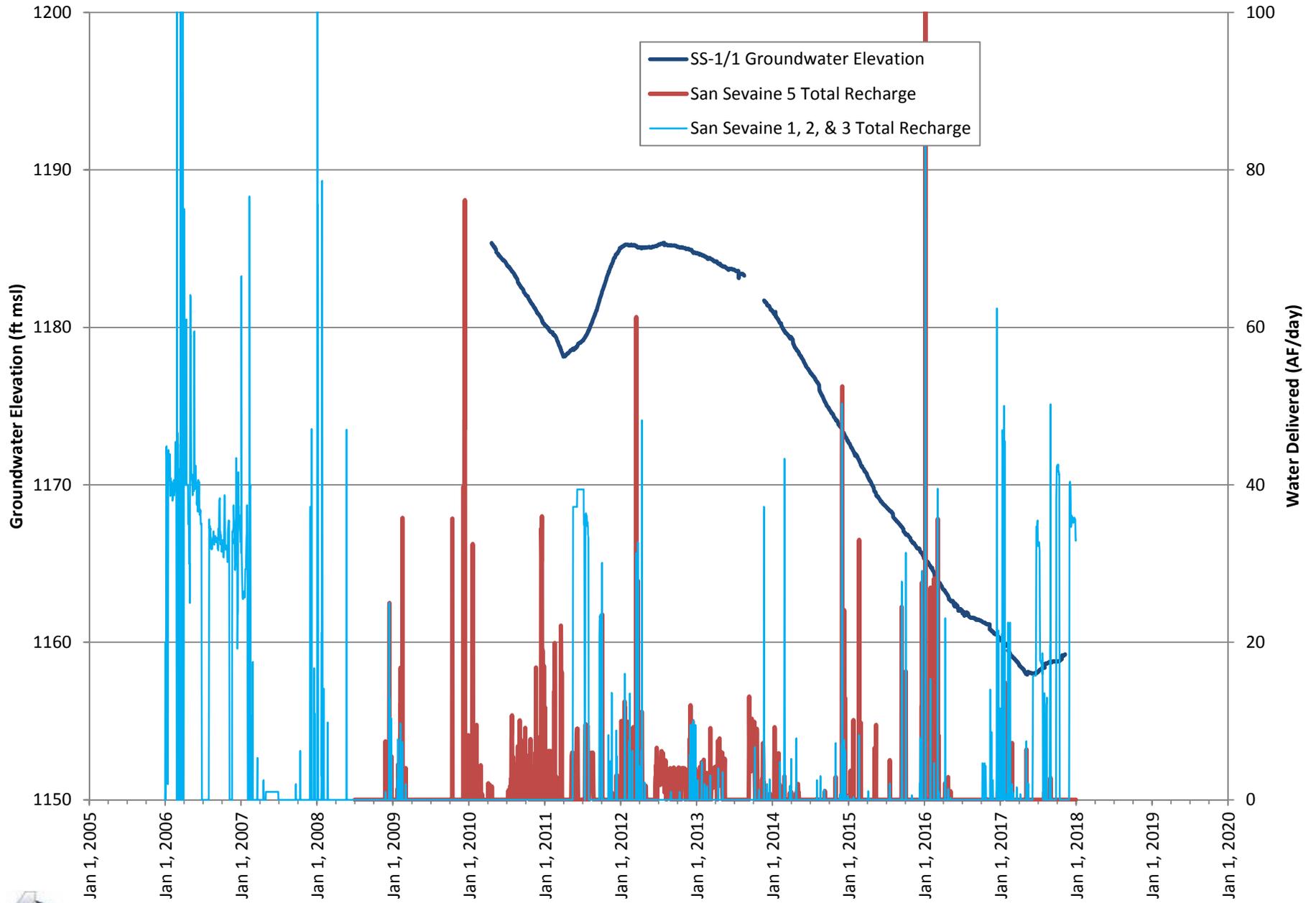




HYDROGRAPH
Ely MW1 (Philadelphia Well)

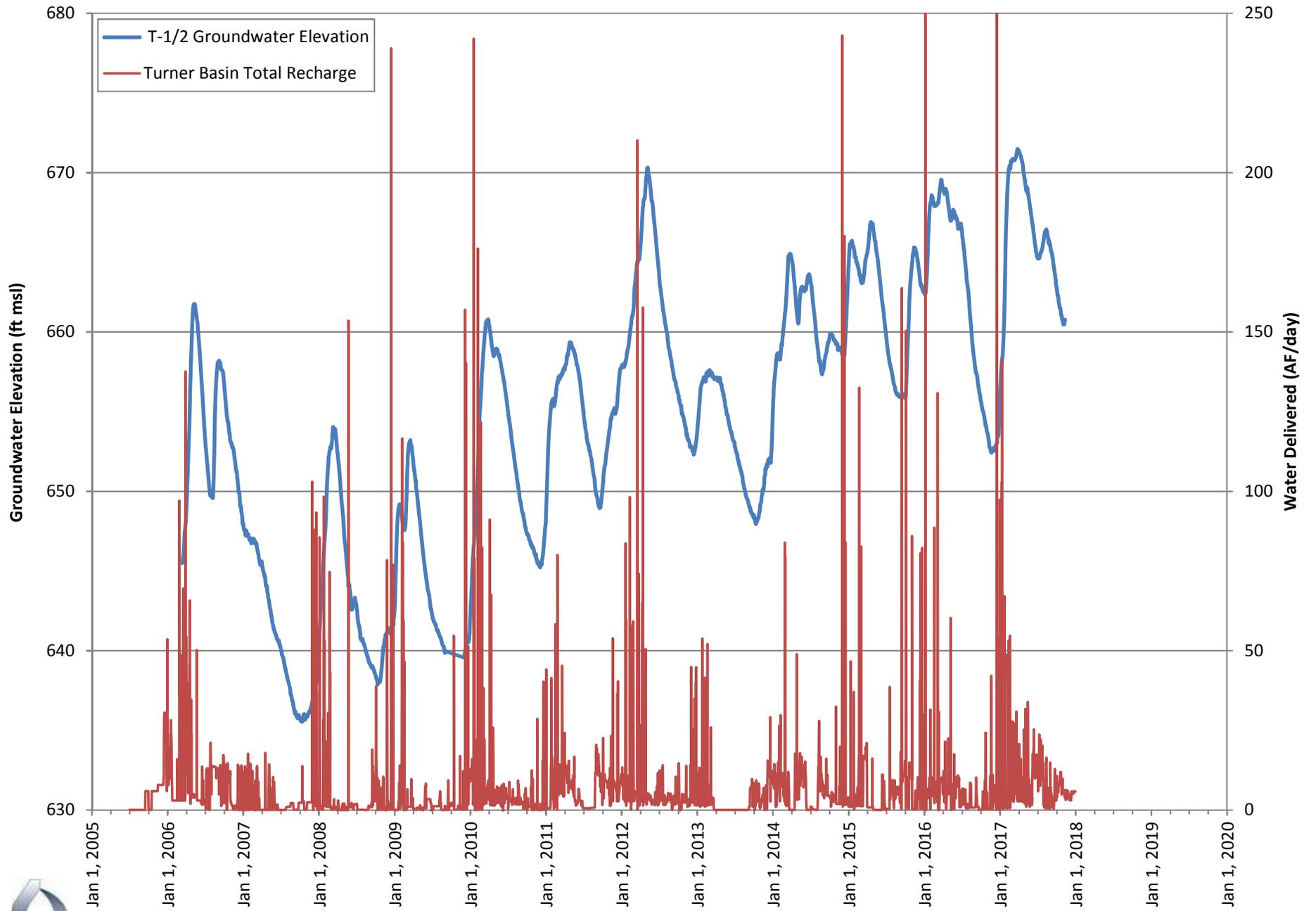


HYDROGRAPH
MW RP3-1/1 & RP3-1/2

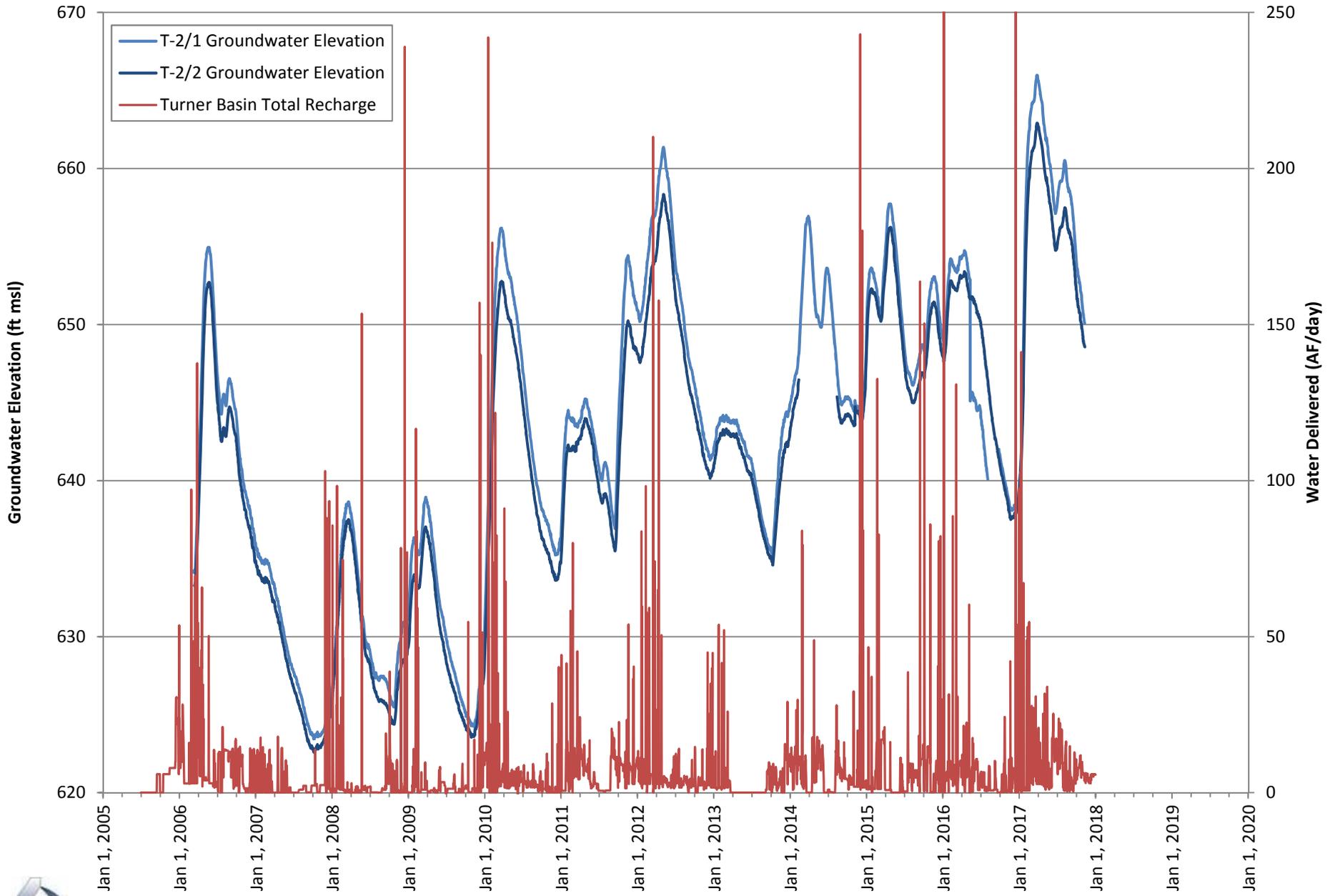


**HYDROGRAPH
MW SS-1/1**

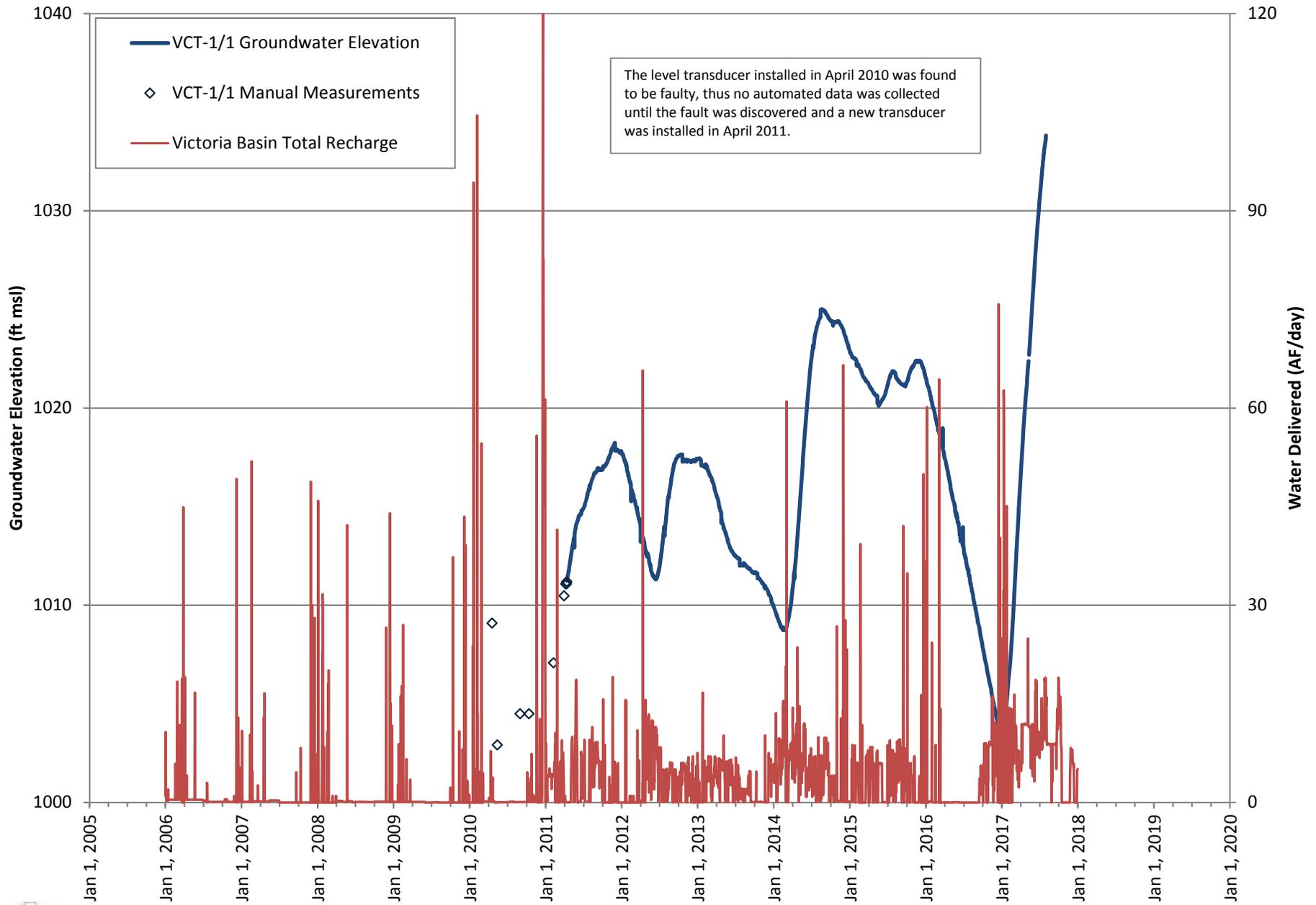


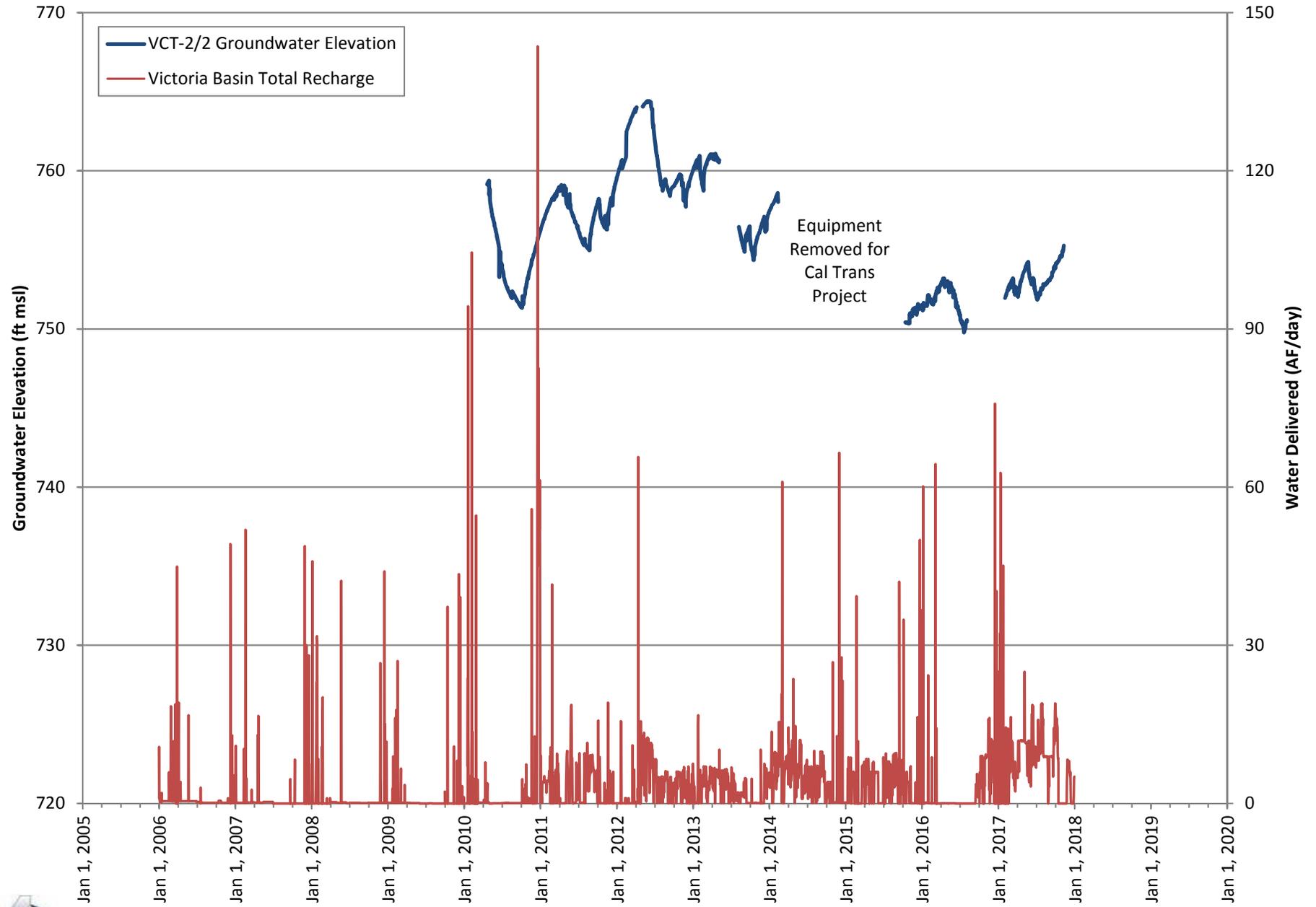


**HYDROGRAPH
MW TRN-1/2**



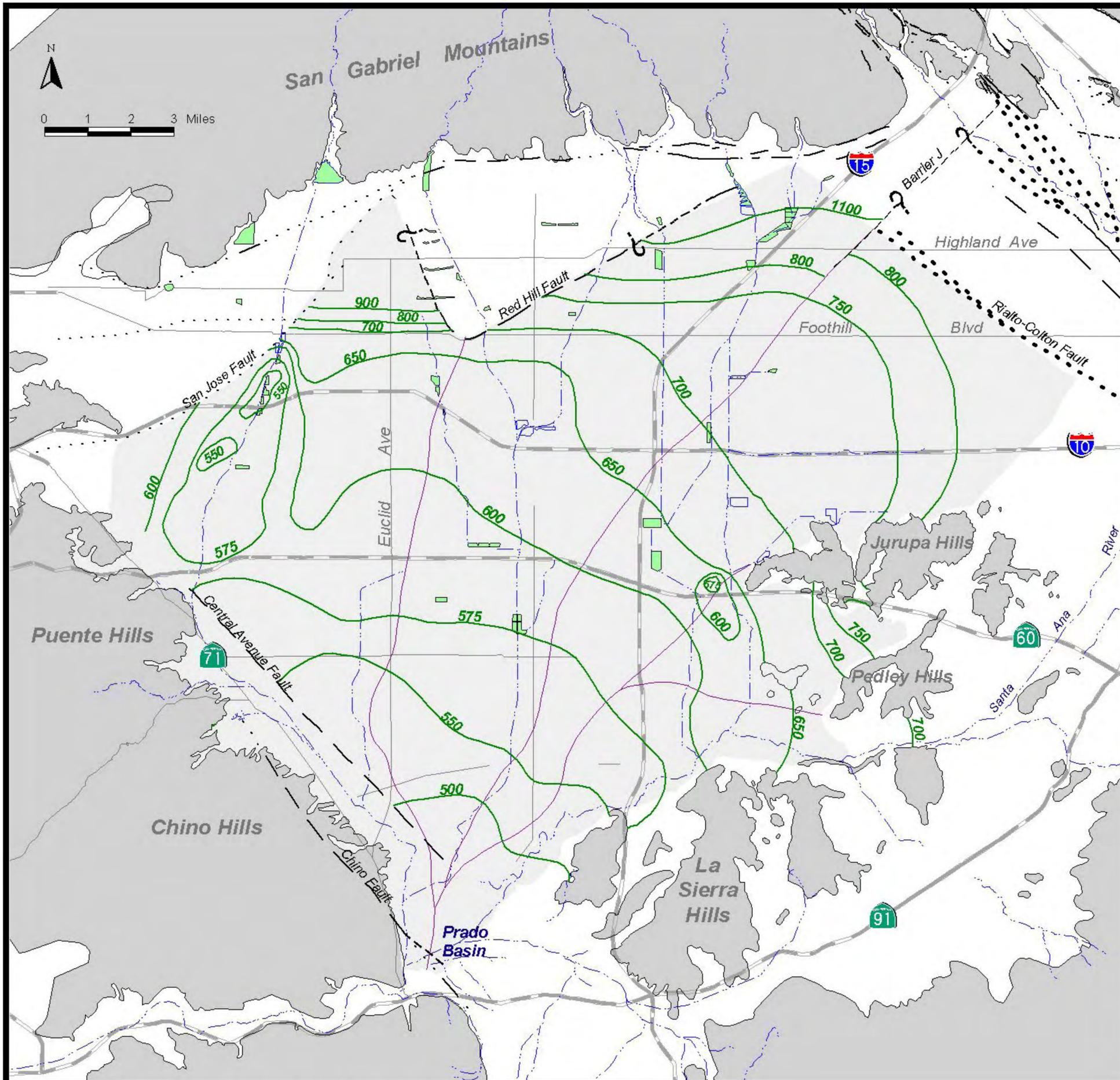
**HYDROGRAPH
MW TRN-2/1 & TRN-2/2**





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

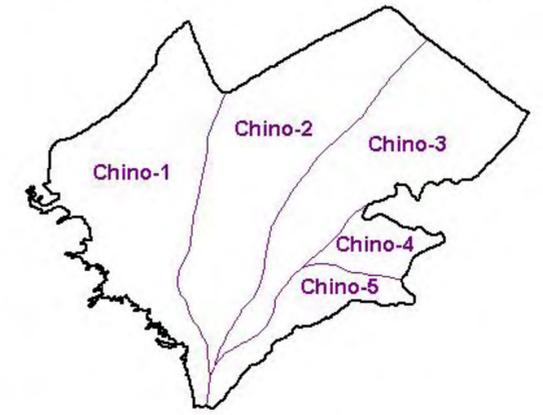
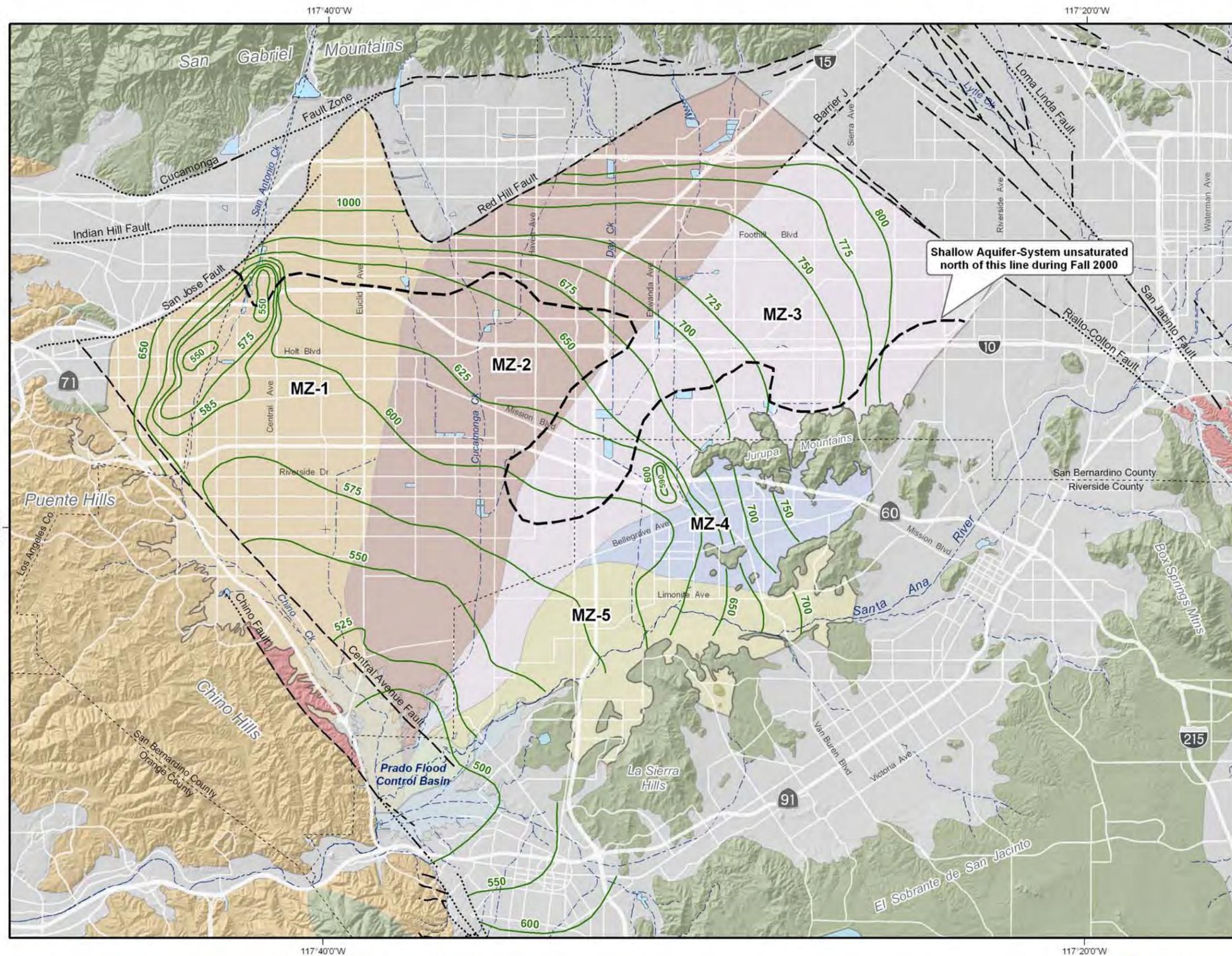


Figure 2-19
Fall 1997
Groundwater Elevation Map

WE WILDERMUTH ENVIRONMENTAL, INC.

Date: August 19, 1999



Main Features

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

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

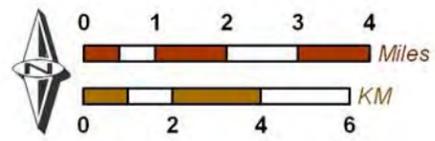
Other Features

- Flood Control and Conservation Basins



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 ENVIRONMENTAL INC.
 23692 Britcher Drive
 Lake Forest, CA 92630
 949.420.3030
<http://www.wildermuthenvironmental.com>

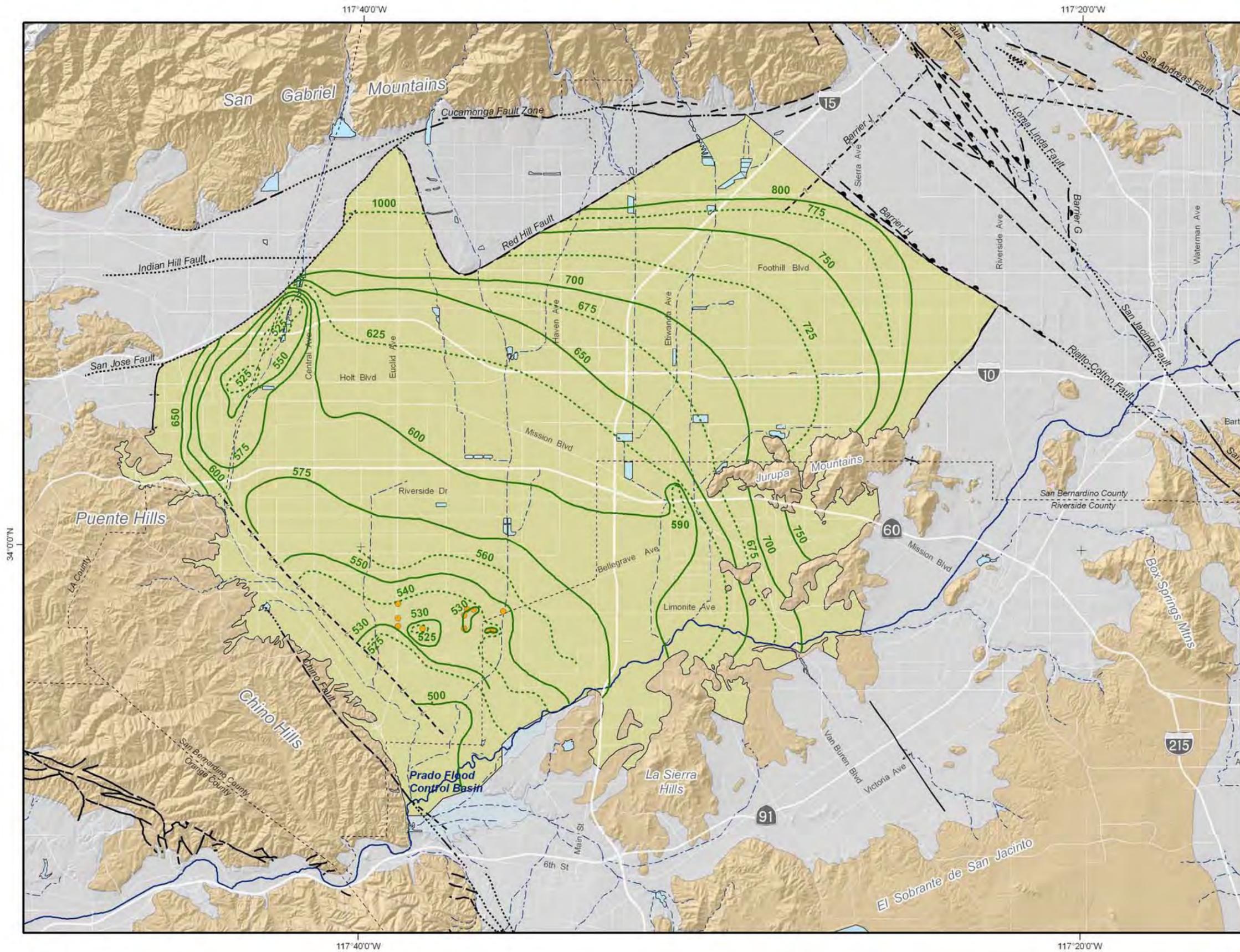
Author: AEM
 Update: WEL
 Date: 20050714
 File: Figure 8-03.mxd



Inland Empire
 UTILITIES AGENCY
 Phase II Recycled Water
 Groundwater Recharge Project

**Groundwater Elevation Map
 Fall 2000**

Figure 8-3



Main Features

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

Geology

Water-Bearing Sediments

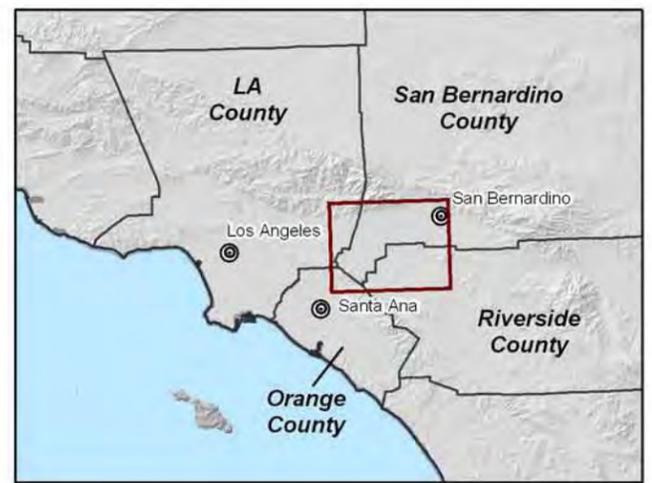
- Quaternary Alluvium

Consolidated Bedrock

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

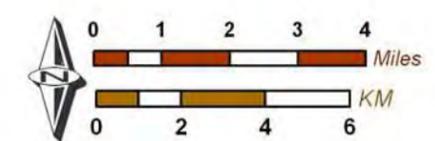
Faults & Groundwater Divides

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



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Author: KD
 Date: 20050627
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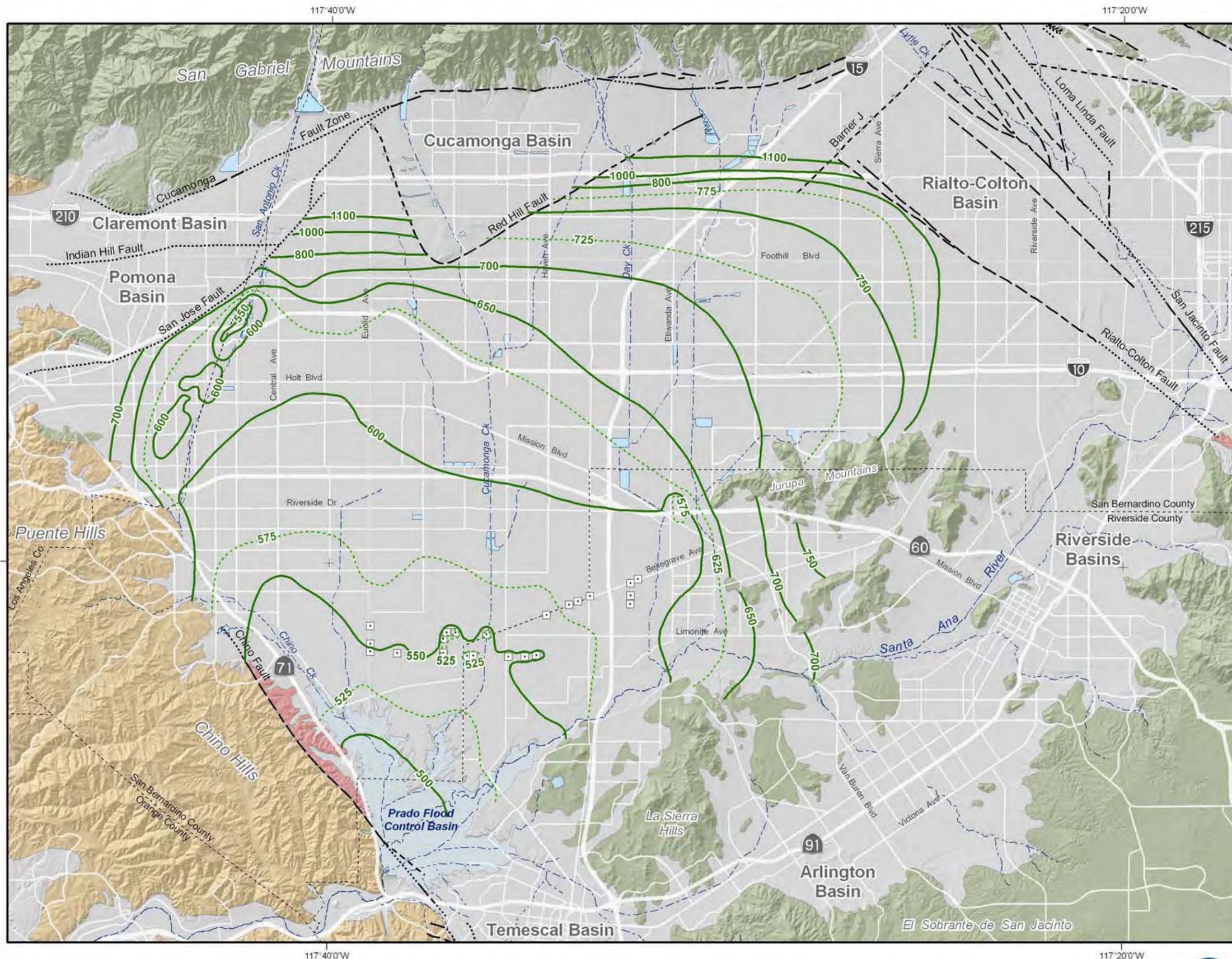


State of the Basin Report -- 2004
 Groundwater Basin Operation and Response



Groundwater Elevation Contours
 Fall 2003 -- Chino Basin

Figure 3-6



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

Other Features

- Chino Desalter Well
- ☾ Flood Control and Conservation Basins

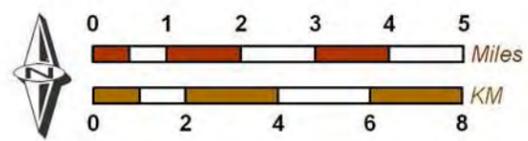
Geology

- 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
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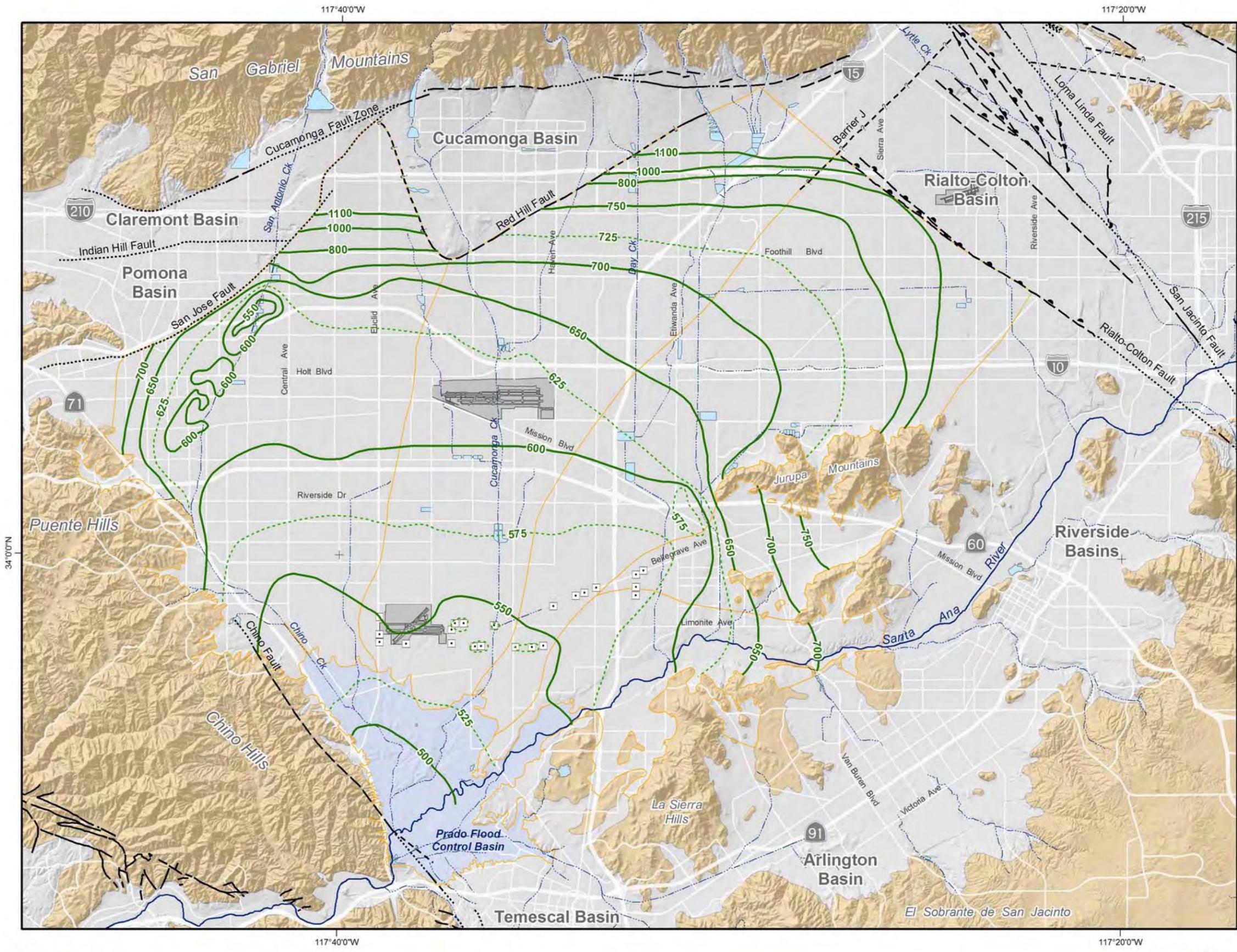


CHINO BASIN WATERMASTER
 Success in Basin Management

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



Groundwater Elevation Contours
(feet above mean sea-level)

Other Features

- Management Zone Boundary
- Chino 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

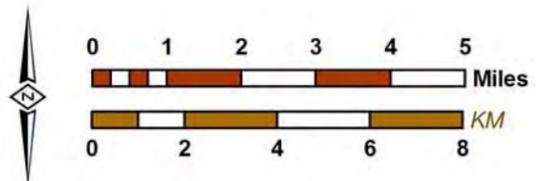
Faults

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



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 949.420.3030
 www.wildermuthenvironmental.com

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

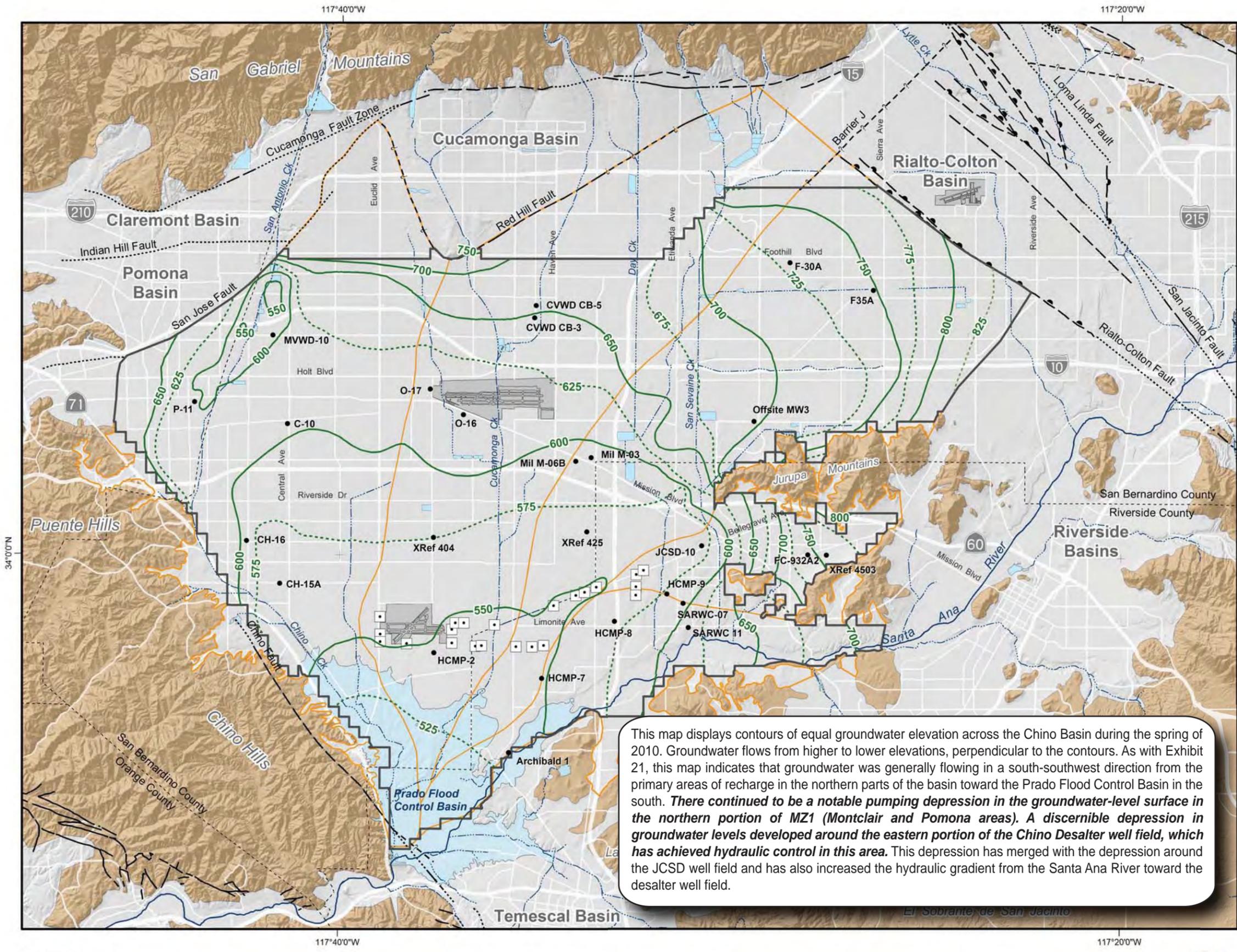


2008 State of the Basin Report
 Groundwater Levels



Groundwater Elevation Contours
 Fall 2008 -- Chino Basin

Figure 3-19



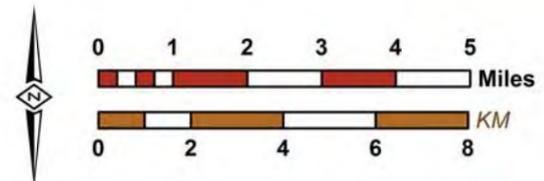
- Groundwater Elevation Contours (feet above mean sea-level)
 - Boundry of Contoured Area (contours are not shown outside of this boundary due to lack of water level data)
 - Well used for Time History Analysis (Exhibits 16 through 20)
 - OBMP Management Zones
 - Chino Desalter Wells
 - Streams & Flood 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 Concealed
 - Location Approximate
 - Location Uncertain
 - Approximate Location of Groundwater Barrier

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.

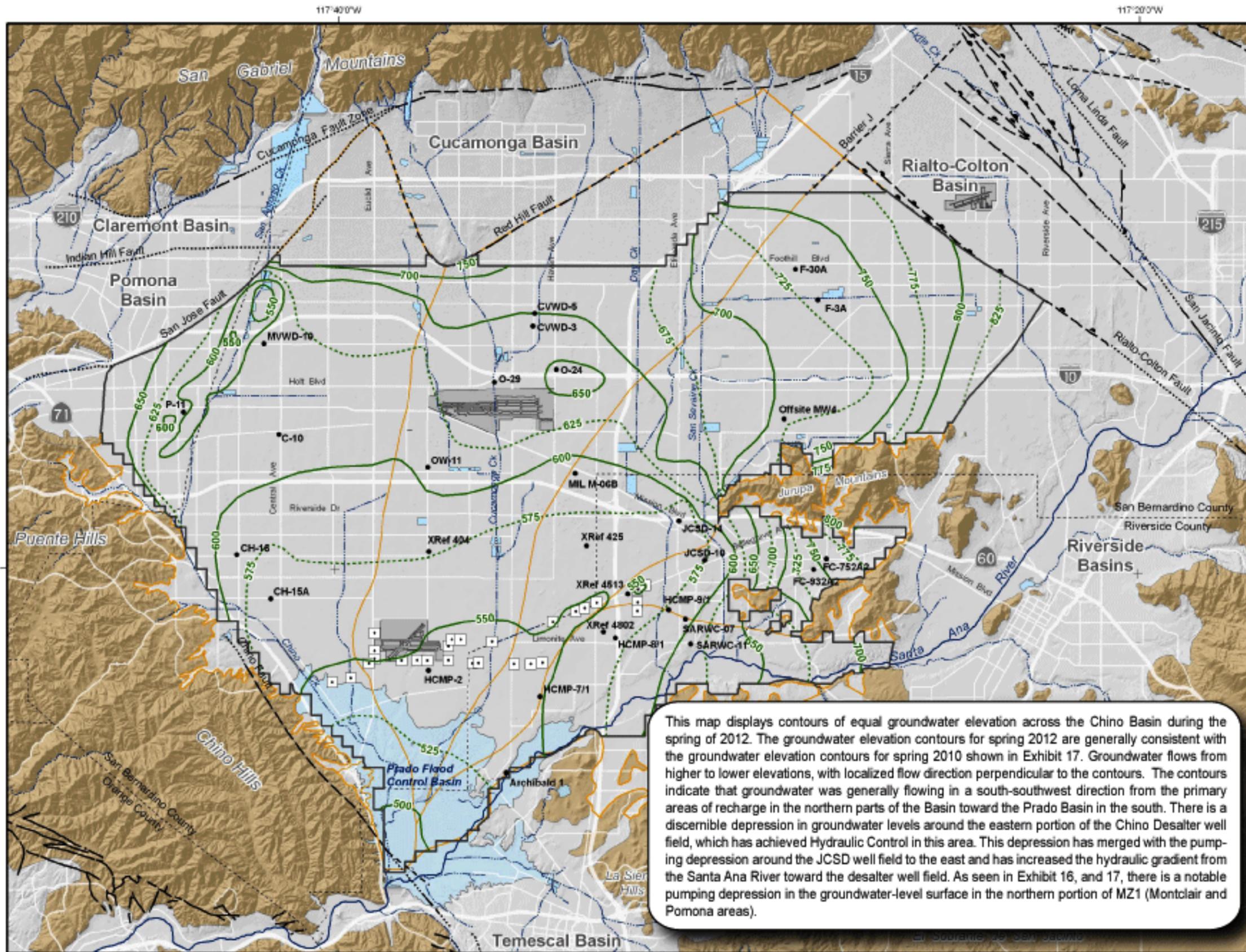


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WILDERMUTH
 ENVIRONMENTAL INC.
 23692 Birtcher Drive
 Lake Forest, CA 92630
 949.420.3030
 www.wildermuthenvironmental.com

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2010 State of the Basin
 Groundwater Levels



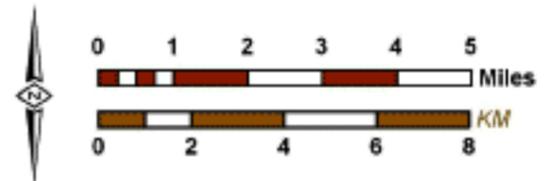
- Groundwater Elevation Contours (feet above mean sea-level)
- Boundary of Contoured Area (contours are not shown outside of this boundary due to lack of water level data)
- Well With a Water-Level Time History Plotted on Exhibits 24 through 28.
- OBMP Management Zones
- Chino Desalter Wells
- Streams & 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 Concealed
- Location Approximate
- Location Uncertain
- Approximate Location of Groundwater Barrier



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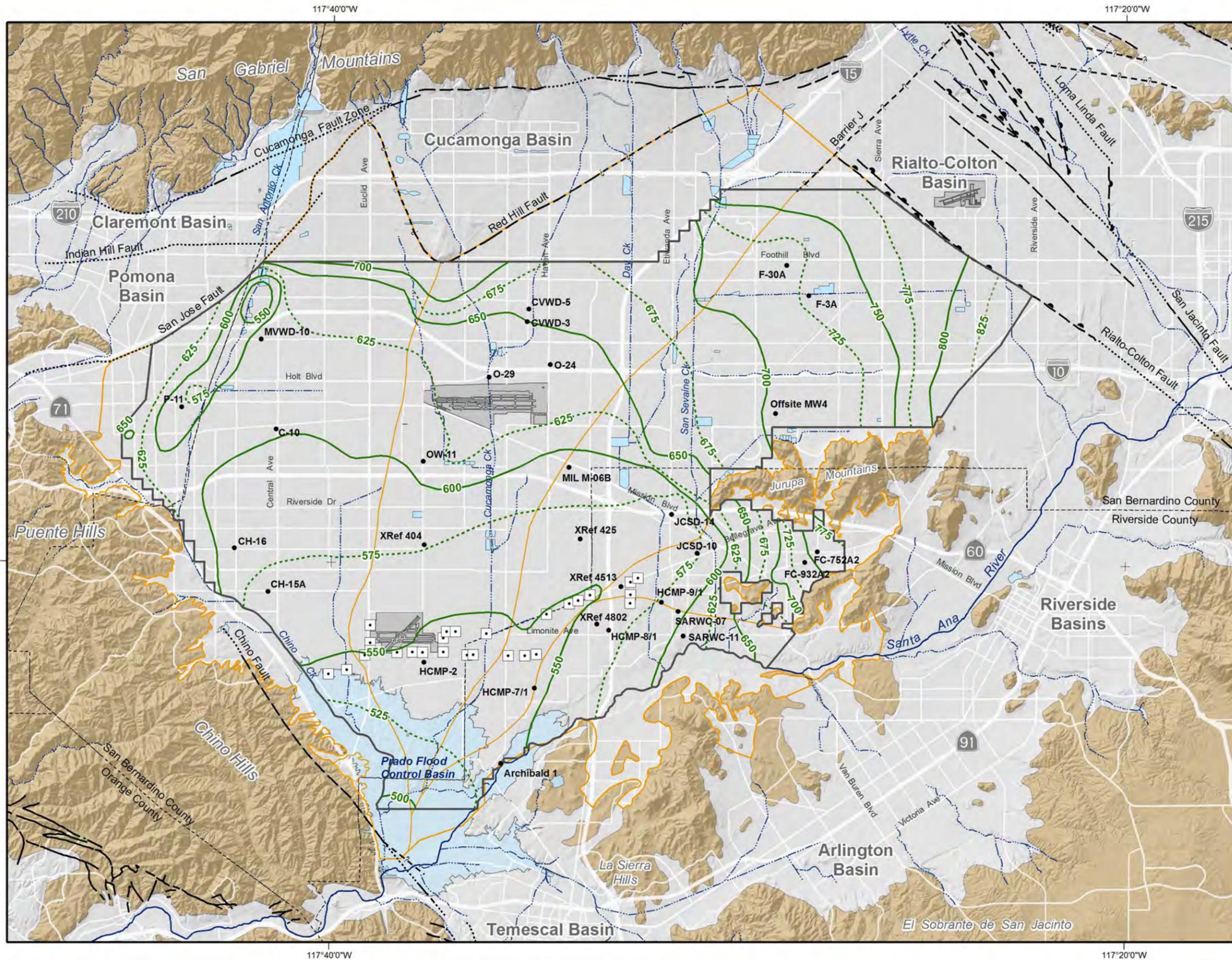
 23692 Birchler Drive
 Lake Forest, CA 92630
 949-420-3030
 www.wildermuthenvironmental.com

Author: TCR
 Date: 20121130
 File: Exhibit_18.mxd



2012 State of the Basin
 Groundwater Levels

**Groundwater Elevation Contours
 in Spring 2012**
 Shallow Aquifer System



- 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 Water-Level Time History Plotted on Exhibits 24 through 28

- OBMP Management Zones

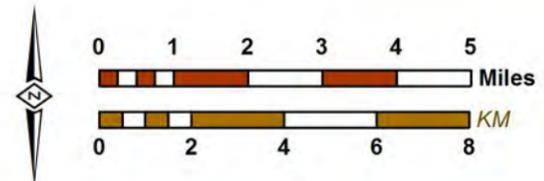
- Chino Desalter Wells
- Streams & Flood Control Channels
- Flood Control & Conservation Basins

- Geology**
- Water-Bearing Sediments*
- Quaternary Alluvium
- Consolidated Bedrock*
- Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks
- Faults**
- Location Certain
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 - Location Approximate
 - Location Uncertain
 - Approximate Location of Groundwater Barrier



Prepared by:
WEI
 WEI OF THE ENVIRONMENTAL, INC.
 23692 Bircher Drive
 Lake Forest, CA 92630
 949.420.3030
 www.weiwater.com

Author: amalone
 Date: 4/3/2015
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DRAFT

2014 State of the Basin DRAFT
 Groundwater Levels



**Groundwater Elevation Contours
 in Spring 2014**

Shallow Aquifer System

