

STAFF REPORT

SUMMARY OF THE CITY OF SIERRA MADRE REPLENISHMENT PROGRAM FOR THE SANTA ANITA SUBAREA

FISCAL YEAR 2025-26

BACKGROUND

The Santa Anita Subarea is a subarea of the Raymond Basin under the court-appointed management of the Raymond Basin Management Board (RBMB). Since fiscal year 2000-01, the Subarea has experienced declining groundwater levels. Below-average rainfall since fiscal year 2005-06 (excluding fiscal years 2009-10, 2010-11, 2016-17, 2018-19, 2019-20, 2022-23, 2023-24, and 2025-26 when rainfall was at or above average) has exacerbated the water level decline. The RBMB created a Santa Anita Subarea Ad Hoc group in January 2014, and then created the Sierra Madre Arcadia Aquifer Recovery Team (SMAART) to address the declining water levels. The SMAART and the RBMB directed staff to begin collecting monthly water levels in selected wells in the Santa Anita Subarea in March 2014, and provide a monthly report to the RBMB, and to Sierra Madre and Arcadia. This data collection and reporting consists of static groundwater levels, groundwater production, and imported and storm water replenishment.

In September 2015, the City of Sierra Madre proposed to initiate a groundwater replenishment program at the Sierra Madre Spreading Grounds, using (at that time) 100 percent treated Colorado River water from the Metropolitan Water District of Southern California (MWD) to supplement groundwater supplies. During its October 21, 2015 meeting, the RBMB took action to “not oppose” the City of Sierra Madre’s plan to deliver treated Colorado River water to the Sierra Madre Spreading Grounds. The City

of Sierra Madre provided a letter to the RBMB, dated November 20, 2015 (see Attachment A), and the City of Arcadia provided a letter to the RBMB, dated January 6, 2016 (see Attachment B), to cooperatively collect data to better understand movement of groundwater within the Santa Anita Subarea and acknowledged the potential impacts to groundwater quality resulting from replenishing the Subarea with Colorado River water. The location of the Sierra Madre and Arcadia wells is shown in Figure 1. Commencing December 2015, the City of Sierra Madre initiated its replenishment program using imported water. Subsequently, additional data was collected, particularly on groundwater quality. This data collection and reporting was added to the monthly SMAART reports and is intended to help manage production and water levels in the Santa Anita Subarea.

Sierra Madre acknowledged in its November 20, 2015 letter, "...the initial replenishment program will occur for up to 12 consecutive months (Pilot Program). At the end of those 12 months, Sierra Madre will temporarily discontinue the Pilot Program until such time a report is prepared by Sierra Madre, distributed to all RBMB members and addressed at a regular RBMB quarterly meeting, or if necessary, at a special meeting of the RBMB. The RBMB will determine if the replenishment program may continue, and, if so, under what terms.... Sierra Madre will organize the data collected (including data provided by SMAART and Arcadia) into a Program report on the results of the Pilot Program, including, but not limited to static water levels, flow direction and groundwater quality. The draft annual report is to be presented to the RBMB Board for review prior to any extension to the Pilot Program."

Subsequently, in an email dated June 26, 2017, the City of Sierra Madre provided the RBMB with a memorandum entitled "Independent 3rd Party Review of the Santa Anita Subarea Monitoring Program, Pilot Study Monthly Reports by Stetson Engineers, for the City of Sierra Madre," which summarized the Pilot Program for the period of December 2015 through November 2016. The Program Memorandum was discussed at the RBMB July 19, 2017 Board meeting at which time the City of Sierra Madre was authorized to continue the Second Year of the Pilot Program for the period July 1, 2017 through June 30, 2018. Since fiscal year 2017-18, the RBMB Board directed

staff to prepare the “Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea” every year. Staff has prepared annual reports and presented at every October Board meeting. A summary can be found in Attachment C.

At its July 16, 2025 meeting, the RBMB directed staff to prepare the “Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea” for Fiscal Year 2024-25. The Program Memorandum was discussed at the RBMB October 15, 2025 Board meeting at which time the City of Sierra Madre was authorized to continue the Tenth Year of the Pilot Program for the period of July 1, 2025 through June 30, 2026.

During July 2026, RBMB staff was requested to prepare this “Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea” for Fiscal Year 2026-27.

TENTH YEAR OF PILOT PROGRAM REPLENISHMENT DELIVERIES (JULY 2025 THROUGH JUNE 2026)

Summary of Replenishment Water Deliveries

Treated Imported Water Replenished

On July 1, 2025, Sierra Madre continued deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds and ceased at the end of this day, which marked the start of the Tenth Year Pilot Replenishment Program. On October 2, 2025, Sierra Madre resumed deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On November 18, 2025, Sierra Madre ceased deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On January 27, 2026, Sierra Madre resumed deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On January 31, 2026, Sierra Madre ceased deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On February 18,

2026, Sierra Madre resumed deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On June 15, 2026, Sierra Madre ceased deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds and deliveries remained off through the end of June 2026. As of June 30, 2026, approximately 1,410 acre-feet of treated imported water delivered by City of Sierra Madre was replenished in the Sierra Madre Spreading Grounds during fiscal year 2025-26.

Treated Imported Water Quality

MWD treated Colorado River water has a Total Dissolved Solids (TDS) concentration of about 570 milligrams per liter (mg/l), which is above the ambient groundwater TDS concentration of about 250 mg/l in the Sierra Madre wellfield and about 340 mg/l in the Arcadia wellfield. MWD treated Colorado River water has Sulfate concentrations of about 200 mg/l, which is above the ambient groundwater Sulfate concentration of about 30 mg/l in the Sierra Madre wellfield and about 45 mg/l in the Arcadia wellfield. The TDS and Sulfate concentrations in the MWD treated Colorado River water are significantly different than ambient groundwater quality. Consequently, these concentrations may be used as a “tracer” to help determine the movement of groundwater in the Santa Anita Subarea in conjunction with groundwater levels, groundwater production, groundwater quality, and groundwater replenishment. At times, MWD may deliver a blend of Colorado River water and State Water Project water to Sierra Madre, which has lower concentrations of TDS and Sulfates.

Sierra Madre Wells No. 3, No. 4, and No. 5 are essentially adjacent to the Sierra Madre Spreading Grounds, where spreading of MWD treated imported water is occurring. The location of these wells is shown in Plate 1. It is expected that any water quality differences in the MWD replenishment water will be detected in the Sierra Madre wells relatively quickly. During fiscal year 2025-26, the TDS concentration of the MWD treated imported water ranged from about 340 mg/l to about 620 mg/l , as shown on Figure 2, and the Sulfate concentration of the MWD treated water ranged from about 60 mg/l to about 230 mg/l , as shown on Figure 4.

The historic ambient TDS concentration at the Sierra Madre wells was about 250 mg/l and the ambient Sulfate concentration at the Sierra Madre wells was about 30 mg/l. During fiscal year 2025-26, the TDS concentrations in Sierra Madre Well No. 3 ranged from about 220 mg/l to about 410 mg/l, as shown on Figures 2A and 2B. The Regional Water Quality Control Board's (RWQCB) Basin Plan Objective for TDS is 450 mg/l, as shown in Figures 2 and 3. During fiscal year 2025-26 no TDS results exceeded 450 mg/l at Sierra Madre Well No. 3. The Sulfate concentration in the Sierra Madre Well No. 3 ranged from about 60 mg/l to about 100 mg/l, as shown on Figures 4A and 4B. The RWQCB's Basin Plan Objective for Sulfate is 100 mg/l, as shown in Figures 4 and 5. During fiscal year 2024-25 no Sulfate test results exceeded 100 mg/l at Sierra Madre Well No. 3.

The Arcadia Orange Grove wells are essentially downgradient from the Sierra Madre Spreading Grounds. Therefore, the Arcadia wells water quality may also change as a result of the MWD replenishment water. The historic ambient TDS concentration at the Arcadia Orange Grove wells was about 340 mg/l. During fiscal year 2025-26, the TDS concentrations at the Arcadia Orange Grove wells ranged from about 350 mg/l to about 410 mg/l, as shown on Figure 3. The ambient Sulfate concentration at the Arcadia Orange Grove wells was about 45 mg/l. The Sulfate concentration in the Arcadia Orange Grove wells ranged from about 45 mg/l to about 70 mg/l, as shown on Figure 5. It appears the TDS concentration was stabilizing in the Arcadia wells during fiscal year 2025-26 when the TDS concentration of the MWD treated imported water was higher, as shown on Figure 3. Sulfate concentrations appear to be decreasing slightly with the sulfate concentrations of the MWD treated water during fiscal year 2025-26, as shown on Figure 5. The distance between the Sierra Madre and Arcadia wellfields is about 4,000 feet, making the estimated travel time about 3,000 feet/year.

Groundwater Production

Section VI of the 1955 Raymond Basin Judgment specifies the Decreed Rights in the Eastern Unit of the Raymond Basin for the City of Arcadia are 3,526 acre-

feet and for the City of Sierra Madre are 1,764 acre-feet. However, Section VI(3) of the 1955 Raymond Basin Judgment states the Cities of Arcadia and Sierra Madre collectively are restrained from “...pumping or otherwise taking water from the ground in said Eastern Unit in any years in excess of the average amount pumped or taken therein during the period 1927-28 to 1937-38, to wit: 3,261 acre feet per annum, during any year in which static groundwater level measurements, made at the time of maximum high water table in the spring season of each year, show that the average water table elevation in the area between Foothill Boulevard and Raymond Fault and between a line 300 feet west of Rosemead Boulevard and a line 100 feet east of Michillinda Avenue,...is higher than that at the Arcadia group of wells...located west of the intersection of Orange Grove and Santa Anita Avenues in the City of Arcadia, this limitation to apply only when the water table elevation at said group is less than 500 feet above level, United States Geological Survey datum.” (Emphasis added.) The “500-foot Rule” restricted pumping provision was in place for fiscal year 2023-24.

RBMB staff initially collected meter readings at wells in the Santa Anita Subarea on July 1, 2015, to document monthly production at each well. RBMB staff updates the meter readings and calculates production for City of Sierra Madre and City of Arcadia wells, as shown in Tables 1 and 2. During fiscal year 2025-26, the total pumping from the Santa Anita Subarea was about 4,270 acre-feet, which is an average of about 360 acre-feet per month. The amount of pumping exceeded the “500-foot Rule” restricted pumping, but was supplemented by Sierra Madre’s imported water replenishment program. Santa Anita Subarea pumping and imported water replenishment is described below.

City of Sierra Madre

Sierra Madre’s “500-foot Rule” reduced Decreed Rights are 940 acre-feet per year. During fiscal year 2025-26, Sierra Madre made deliveries of MWD treated imported water into the Sierra Madre Spreading Grounds and replenished about 1,410 acre-feet of MWD treated imported water, as of June 30 2026. Sierra Madre produced

about 2,280 acre-feet of groundwater through the end of June 2026. The combination of water right (940 acre-feet) and treated imported water delivered to the Santa Anita Subarea (1,410 acre-feet) totals 2,350 acre-feet ($940 + 1,410 = 2,350$). Sierra Madre produced below its fiscal year 2025-26 pumping rights by 70 ($2,350 - 2,280 = 70$) acre-feet. Sierra Madre's reported production is less than the combined water right plus water replenishment and is in compliance with the Raymond Basin Judgment. Under the 500-foot Rule, there is no carry-over of unused water rights.

Sierra Madre's fiscal year 2025-26 pumping rights accounting is shown below:

Decreed Rights (500-foot Rule)	+940 AF
Treated Imported Water Replenished	+1,410 AF
Total Pumping:	<u>-2,280 AF</u>
<i>End of Fiscal Year 2025-26 Total</i>	<i>+ 70 AF</i>

City of Arcadia

Arcadia's "500-foot Rule" reduced Decreed Rights are 2,321 acre-feet. During fiscal year 2025-26, Arcadia produced about 1,980 acre-feet from its Orange Grove Wells, as of June 30, 2026. Arcadia's reported production is less than the water right and is in compliance with the Raymond Basin Judgment. Under the 500-foot Rule, there is no carry-over of unused water rights.

Static Water Levels

RBMB staff began collecting monthly static water levels on March 6, 2014. The groundwater level data from the Sierra Madre and Arcadia wells for the Tenth Year of Pilot Program Replenishment deliveries are described below. A summary of static groundwater levels is included in Attachment D.

City of Sierra Madre

The Tenth Year Pilot Program Replenishment Water deliveries started on July 1, 2025, when Sierra Madre continued deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds and it ceased at the end of this day. On October 2, 2025, Sierra Madre resumed deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On November 18, 2025, Sierra Madre ceased deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On January 27, 2026, Sierra Madre resumed deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On January 31, 2026, Sierra Madre ceased deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On February 18, 2026, Sierra Madre resumed deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds. On June 15, 2026, Sierra Madre ceased deliveries of MWD treated imported water to the Sierra Madre Spreading Grounds and deliveries remained off through the end of June 2026.

Between July 3, 2025 and June 10, 2026 the static water level at Sierra Madre Well No. 3 increased about 15 feet from elevation of about 491 feet above msl to elevation of about 506 feet above msl. In addition, between July 1, 2025 and June 30, 2026, Sierra Madre produced about 2,280 acre-feet of groundwater, which is an average of about 190 acre-feet per month and spread about 1,410 acre-feet of treated imported water, which is an average of 120 acre-feet per month. Furthermore, about 1,500 acre-feet of stormwater runoff was replenished in the Sierra Madre Spreading Grounds during fiscal year 2025-26. The static water level at City of Sierra Madre Well No. 3, since January 2012, is shown on Plates 2 and 6. In addition, the static water level at Sierra Madre Well No. 3, compared to recent production and replenishment, is shown on Plates 3, 3A, 4A and 4B.

City of Arcadia

The Tenth Year Pilot Program Replenishment Water Deliveries started on July 1, 2025. Between July 1, 2025 and June 10, 2026, the static water level at Orange Grove Well No. 1A increased about 10 feet from elevation of about 495 feet above msl to elevation of about 505 feet above msl. Arcadia produced about 1,980 acre-feet of groundwater from July 1, 2025 to June 30, 2026. The static water level at City of Arcadia Orange Grove Well No. 1A is shown since January 2012 on Plates 5 and 6. In addition, the static water level at Arcadia Orange Grove Well No. 1A compared to recent production is shown on Plate 8.

Other Wells

In addition to the Sierra Madre wellfield and the Arcadia wellfield, the static water level was measured at Arcadia's Wells Anoakia, Colorado, Hugo Reid, Rancho 6, Chapman 6, and Chapman 7; Kinneloa Irrigation District's Wilcox Well; and the Chelsea Well. On October 9, 2013, Sierra Madre significantly reduced production from its wellfield, and Sierra Madre resumed production on December 16, 2015.

During fiscal year 2025-26, the static water level in the Anoakia and Chapman 7 wells generally followed the same pattern as the City of Sierra Madre's Well No. 3 and City of Arcadia's Well No. 1A, as shown on Plates 6 and 7. The static water level in the Anoakia Well had a net increase of about 10 feet, while the static water level in the Chapman 7 Well had a net increase of about nine feet. The City of Arcadia's Chapman Well 7 is located in the Pasadena Subarea and has been inactive since early 2016. The City of Arcadia's Anoakia Well and Orange Grove Well No. 1 A, along with the City of Sierra Madre's Well No. 3 are located in the Santa Anita Subarea. As shown on Plate 6, the static water level trend in all four wells appears to be similar when Chapman 7 and Anoakia are not in operation, despite Chapman 7 being in the Pasadena Subarea. When Chapman 7 and Anoakia are in operation (as shown on Plate 6 between 2012 and

2013), the static water levels appear to be influenced by both the Pasadena and Santa Anita Subareas.

During fiscal year 2025-26, the static water level has increased at the Hugo Reid Well, Chapman 6 Well, Chelsea Well, and Wilcox as shown on Plates 6 and 7 due to groundwater replenishment occurring this fiscal year. The static water level at Rancho 6 Well remained static. During fiscal year 2025-26, the static water level at Arcadia's Colorado Well has ranged from about 321 feet above msl (October 2025) to about 349 feet above msl (March 2026), as shown on Plate 7, but had a net increase of about 18 feet. The measured static water levels are consistent with Arcadia's SCADA results from its well profile at the Colorado Well. Arcadia staff indicated the Colorado Well is operated for about 12 hours and turned off for about 12 hours to allow the groundwater level in the Colorado Well to recover, before measuring the water level. Historically, the Colorado Well requires several days to fully recover.

The static water level at the Sierra Madre wellfield increased during fiscal year 2025-26 due to groundwater replenishment and decreased groundwater production at Sierra Madre wells. Arcadia wellfield and Chapman 7 Well, increased during fiscal year 2025-26 due to the groundwater replenishment. The static water level at Anoakia and the other monitoring wells have remain about the same or increased slightly.

SUMMARY

The City of Sierra Madre continued its Pilot Program Replenishment deliveries during fiscal year 2025-26. At the conclusion of each year Sierra Madre will organize the data collected (including data provided by SMAART and Arcadia) into a Pilot Program report on the results of the Pilot Program, including, but not limited to static water levels, groundwater production and groundwater quality. During July 2026 RBMB staff requested a Technical Memorandum summarizing the City of Sierra Madre's Pilot Program Replenishment Deliveries for Fiscal Year 2025-26 be prepared. The findings are summarized as follows.

- Sierra Madre made deliveries of MWD treated imported water on July 1, 2025, between October 2, 2025 to November 18, 2025, January 27, 2026 to January 31, 2026, and February 18, 2026 to June 15, 2026. MWD treated imported water was an average blend of 50 percent of State Water Project and 50 percent Colorado River water while replenishment deliveries occurred during Fiscal Year 2025-26. Consequently, groundwater quality has shown a decrease in TDS and Sulfate at the Sierra Madre wellfield due the increasing groundwater levels in the Santa Anita Subarea due to decreased groundwater production and groundwater replenishment, as shown on Figures 2, 2A, 2B, 4, 4A and 4B. The lag time between commencement of replenishment and water quality impacts at the Sierra Madre wellfield historically has been about two months.
- Following about 16 months from the initial MWD treated imported water deliveries in December 2015, TDS concentrations at the Arcadia wellfield exhibited a slight decrease. As shown on Figure 3, TDS concentrations subsequently decreased to concentrations around ambient water quality when spreading was discontinued. As shown on Figure 5, Sulfate concentrations in the Arcadia wellfield have shown a slight decrease during fiscal year 2025-265. Sulfate concentrations in the Arcadia wellfield have shown a slight decrease during fiscal year 2025-26.

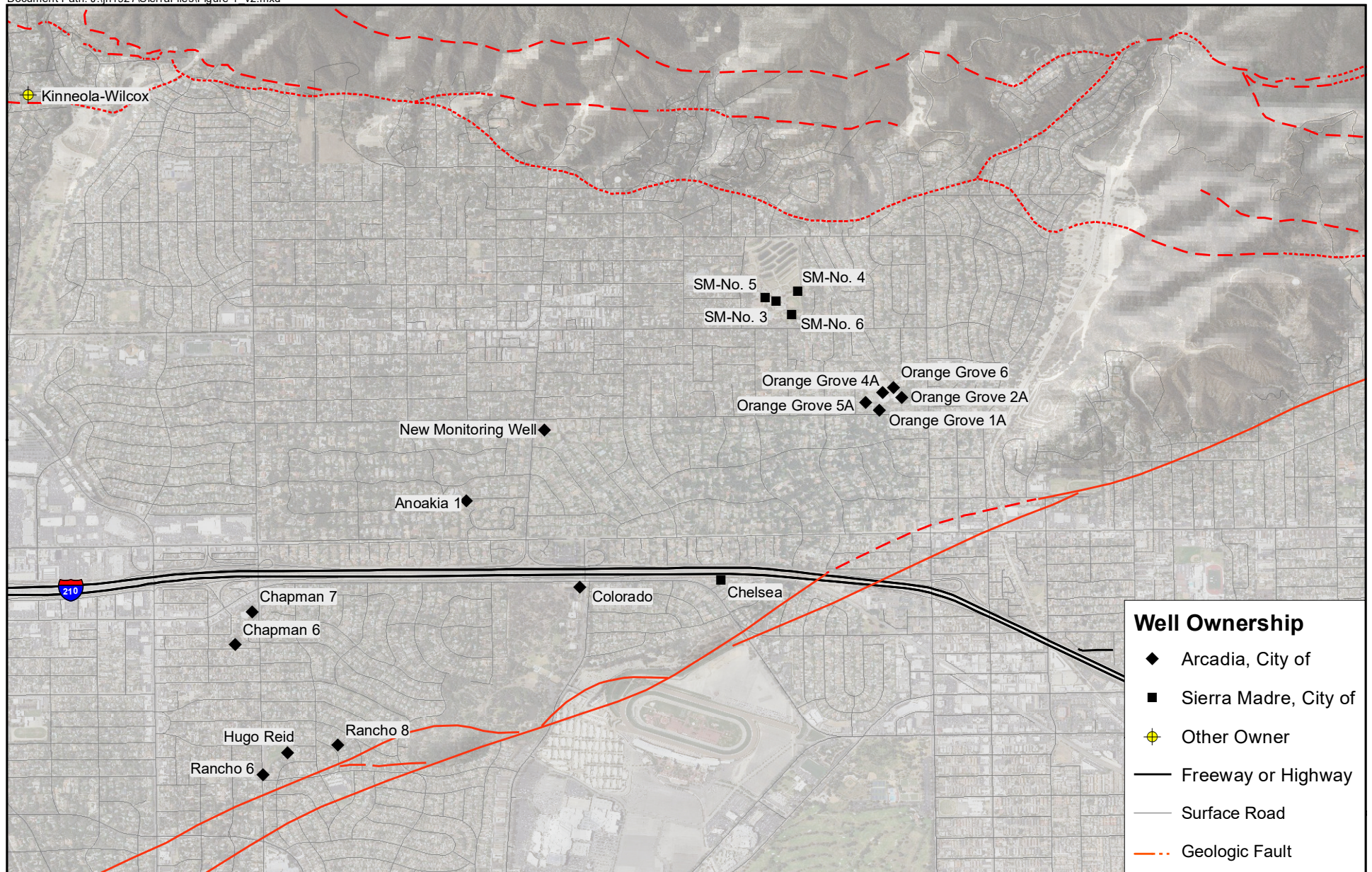
CONCLUSIONS

The City of Sierra Madre continued its Pilot Program Replenishment deliveries during fiscal year 2025-26. Following review of data, the following conclusions are made:

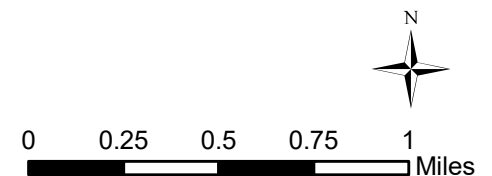
- The City of Sierra Madre's Pilot Program Replenishment deliveries are having a beneficial impact by enabling the Cities of Sierra Madre and Arcadia to continue to produce from the Santa Anita Subarea.

- The MWD imported replenishment water quality during fiscal year 2025-26 appears to be impacting water quality concentrations for TDS and Sulfate at the Sierra Madre and Arcadia wellfields when spreading is occurring.
- The net groundwater levels in the City of Sierra Madre wellfield increased due to decreased groundwater production, groundwater replenishment and average rainfall and City of Arcadia wellfields increased due to groundwater replenishment. Nonetheless, additional imported water replenishment appears to be needed to stabilize groundwater levels and help the subarea to recover to elevation 500 feet above msl.
- The replenishment water deliveries appear to impact the Sierra Madre wellfield about two months following initiation of deliveries based upon water levels and water quality. The City of Arcadia wellfield also appears to be impacted based upon water quality and replenishment appears to have about a 16-month lag.
- The City of Sierra Madre Replenishment Program continues to have an overall beneficial impact on the Santa Anita Subarea.

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WELLS IN EASTERN RAYMOND BASIN STUDY AREA FOR GROUNDWATER MONITORING PROGRAM



CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL TDS CONCENTRATIONS

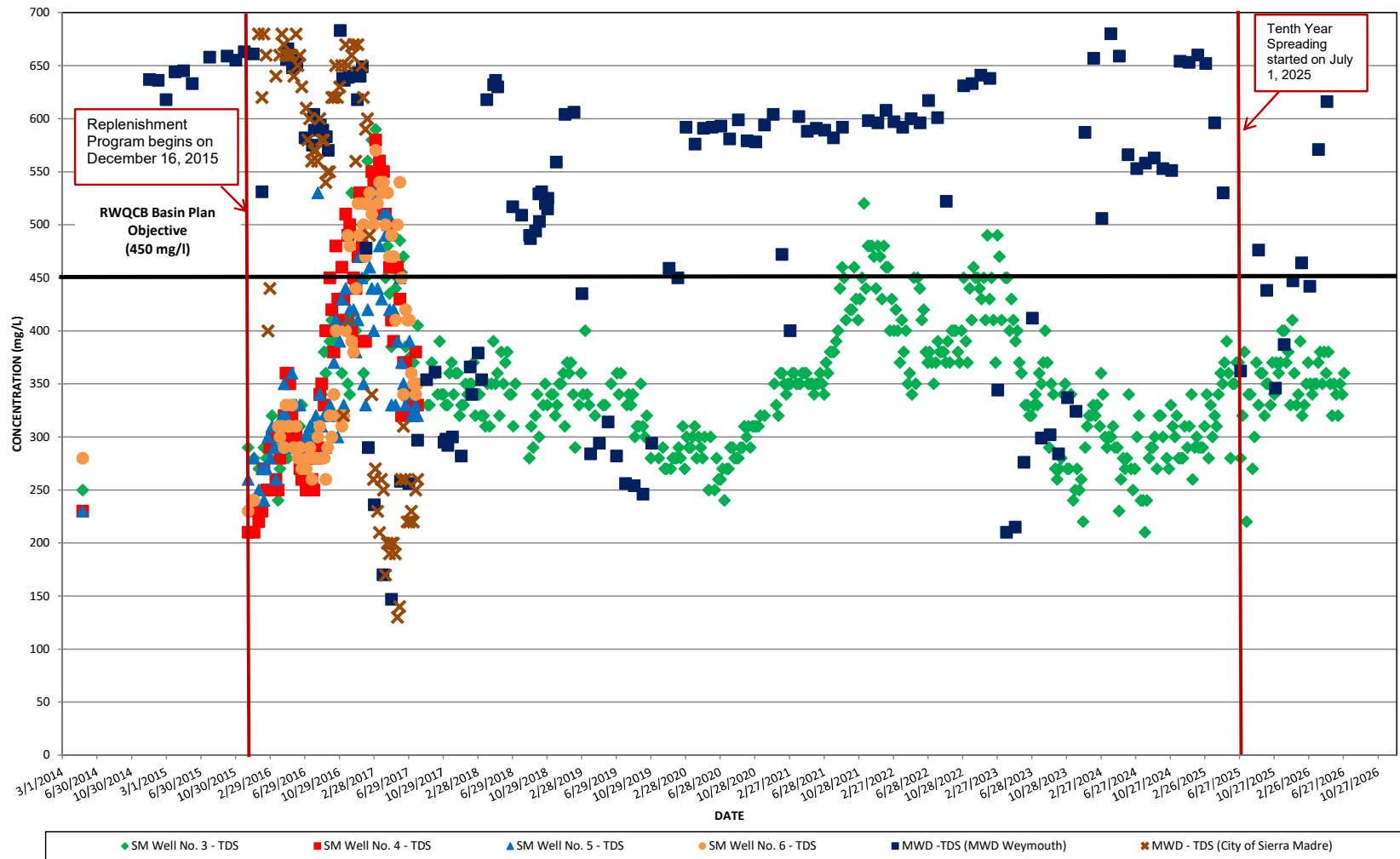


FIGURE 2

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL TDS CONCENTRATIONS

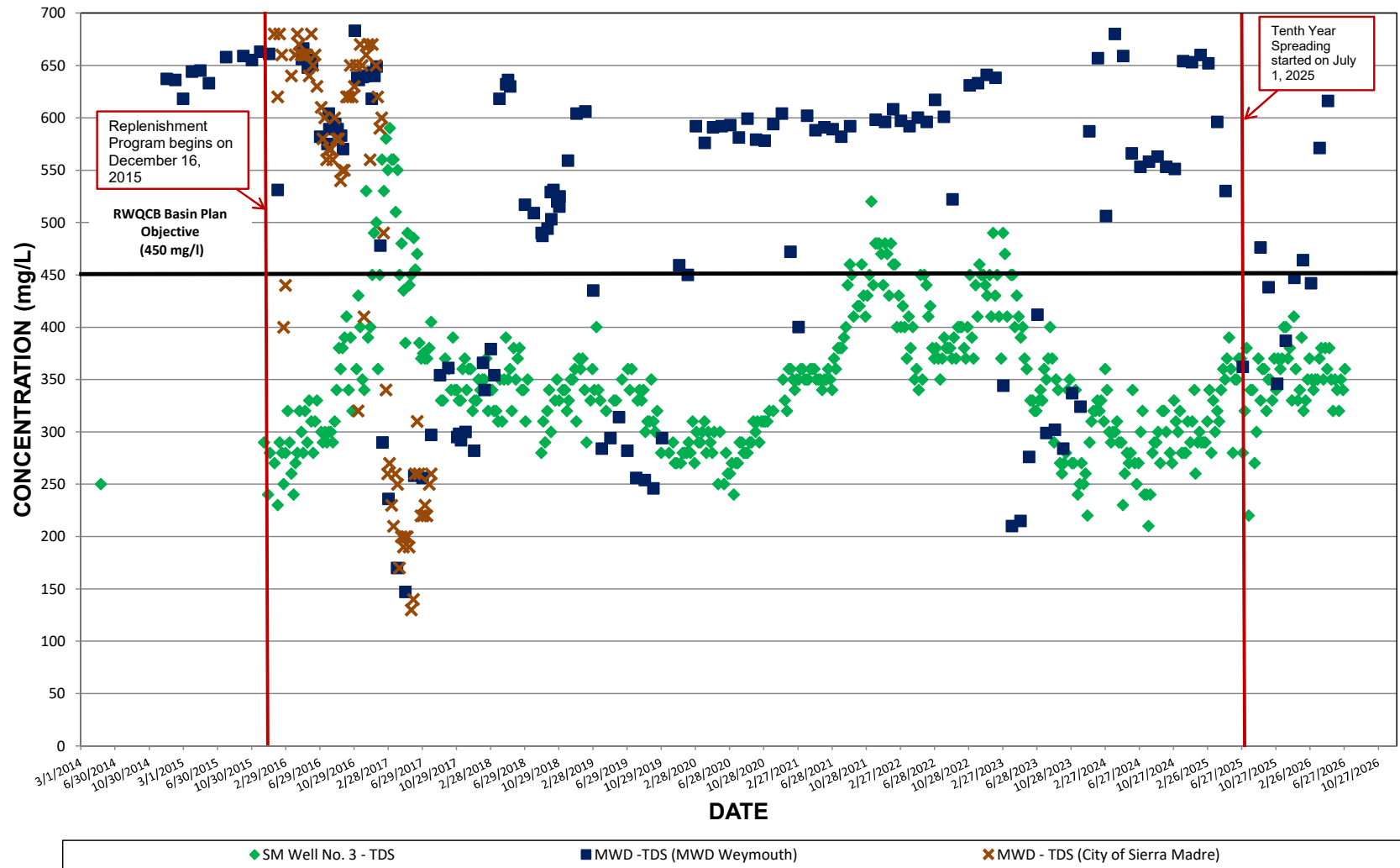


FIGURE 2A

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM
HISTORICAL TDS CONCENTRATIONS

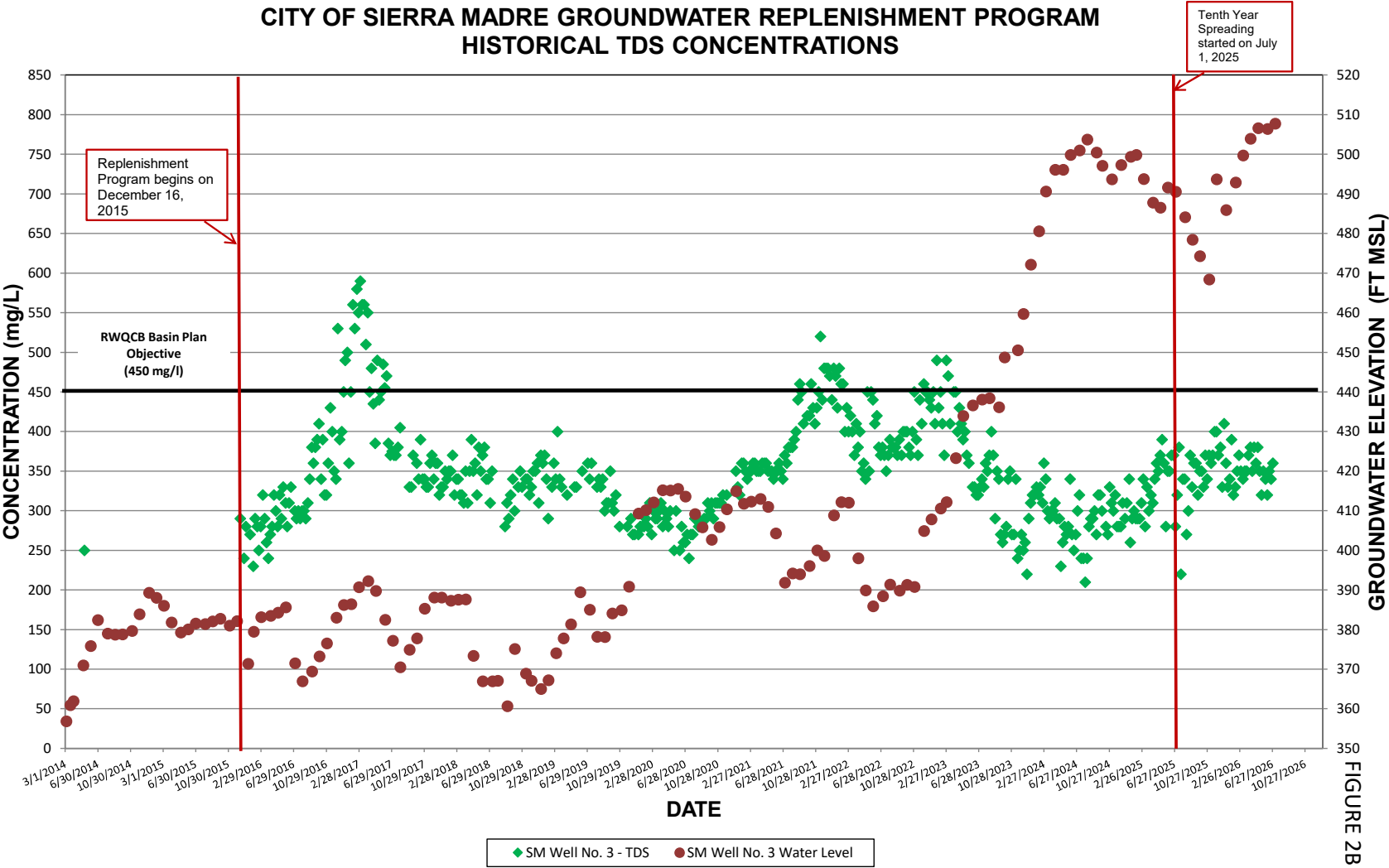


FIGURE 2B

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL TDS CONCENTRATIONS

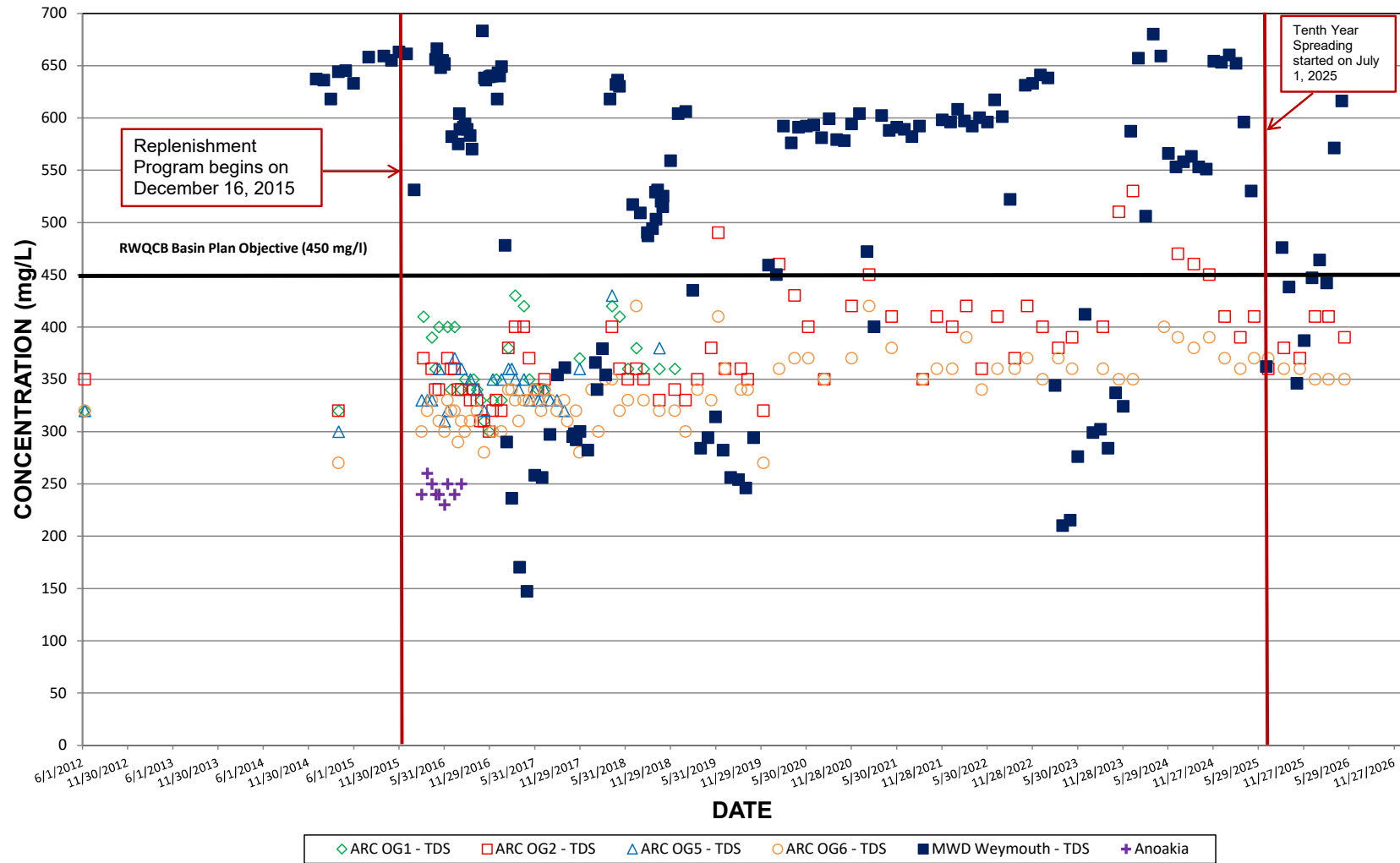


FIGURE 3

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL SULFATE CONCENTRATIONS

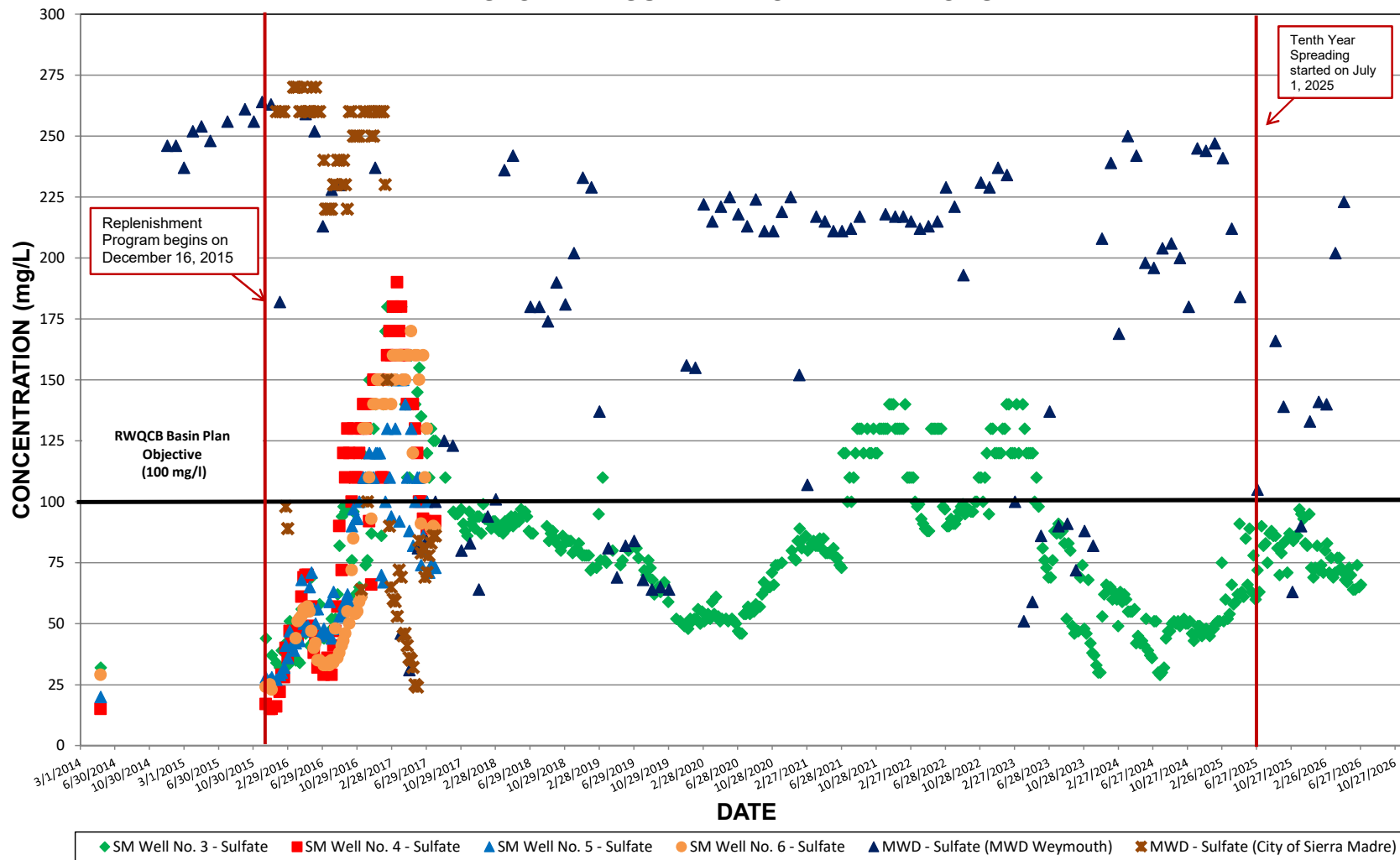


FIGURE 4

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL SULFATE CONCENTRATIONS

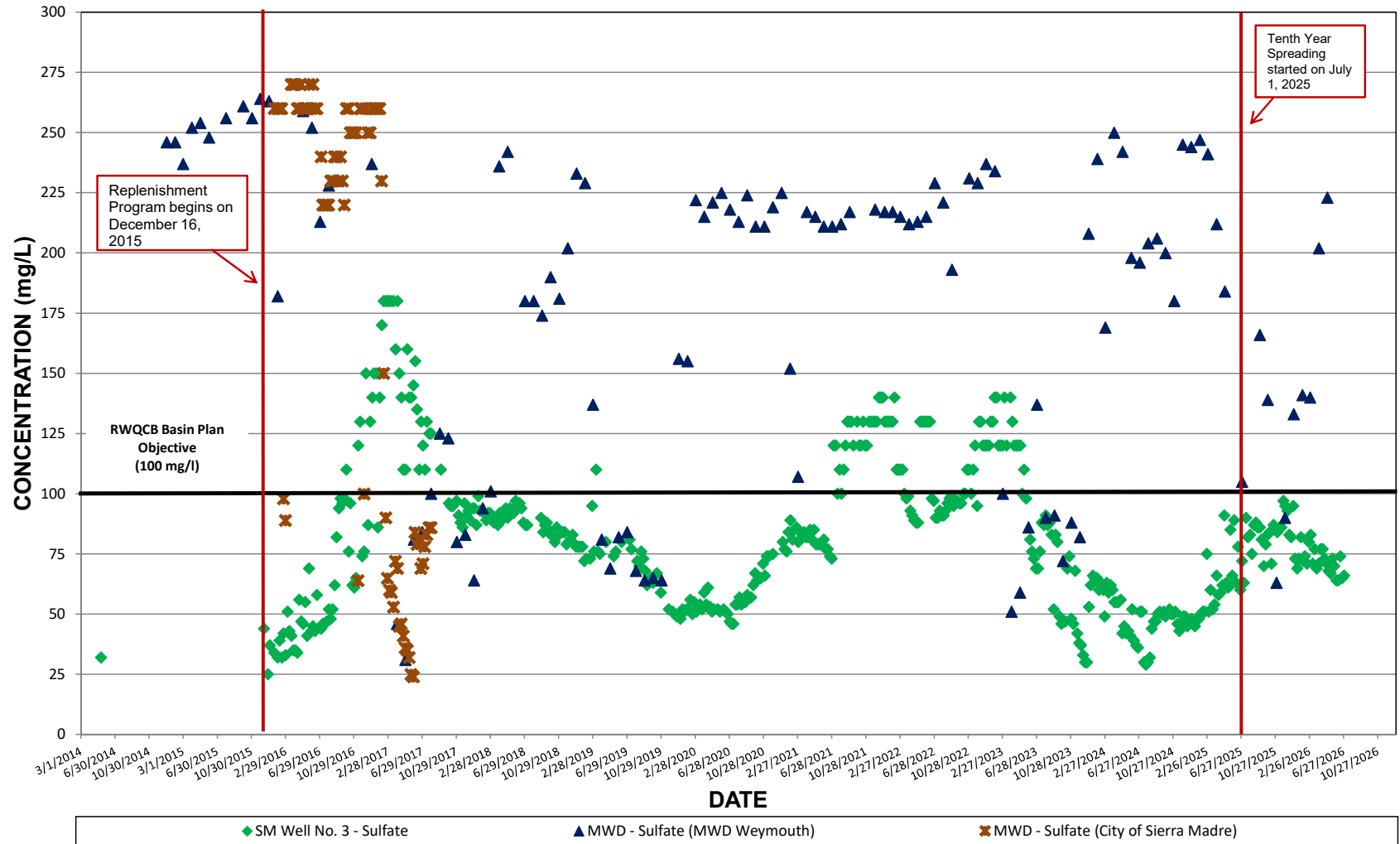


FIGURE 4A

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL SULFATE CONCENTRATIONS

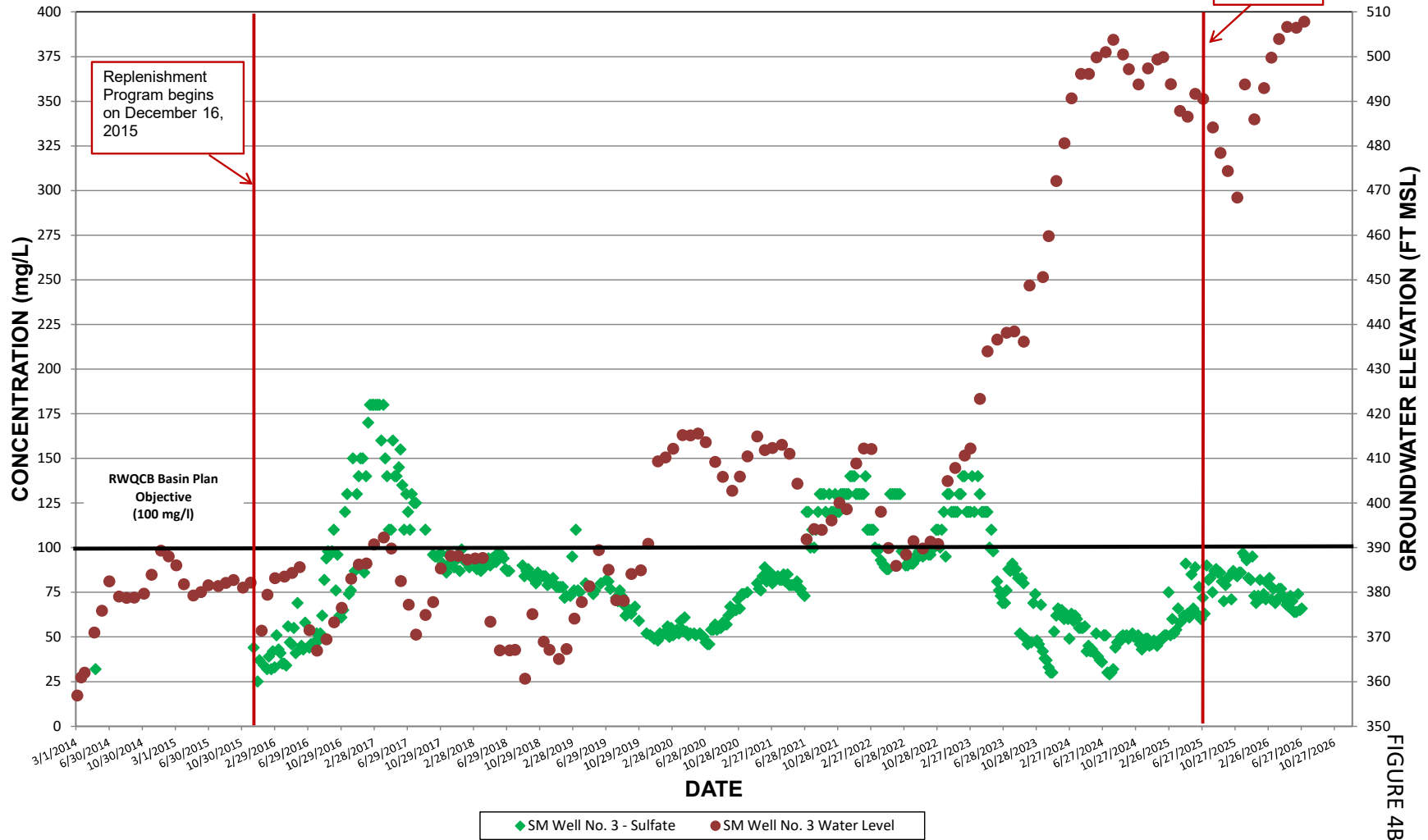


FIGURE 4B

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM HISTORICAL SULFATE CONCENTRATIONS

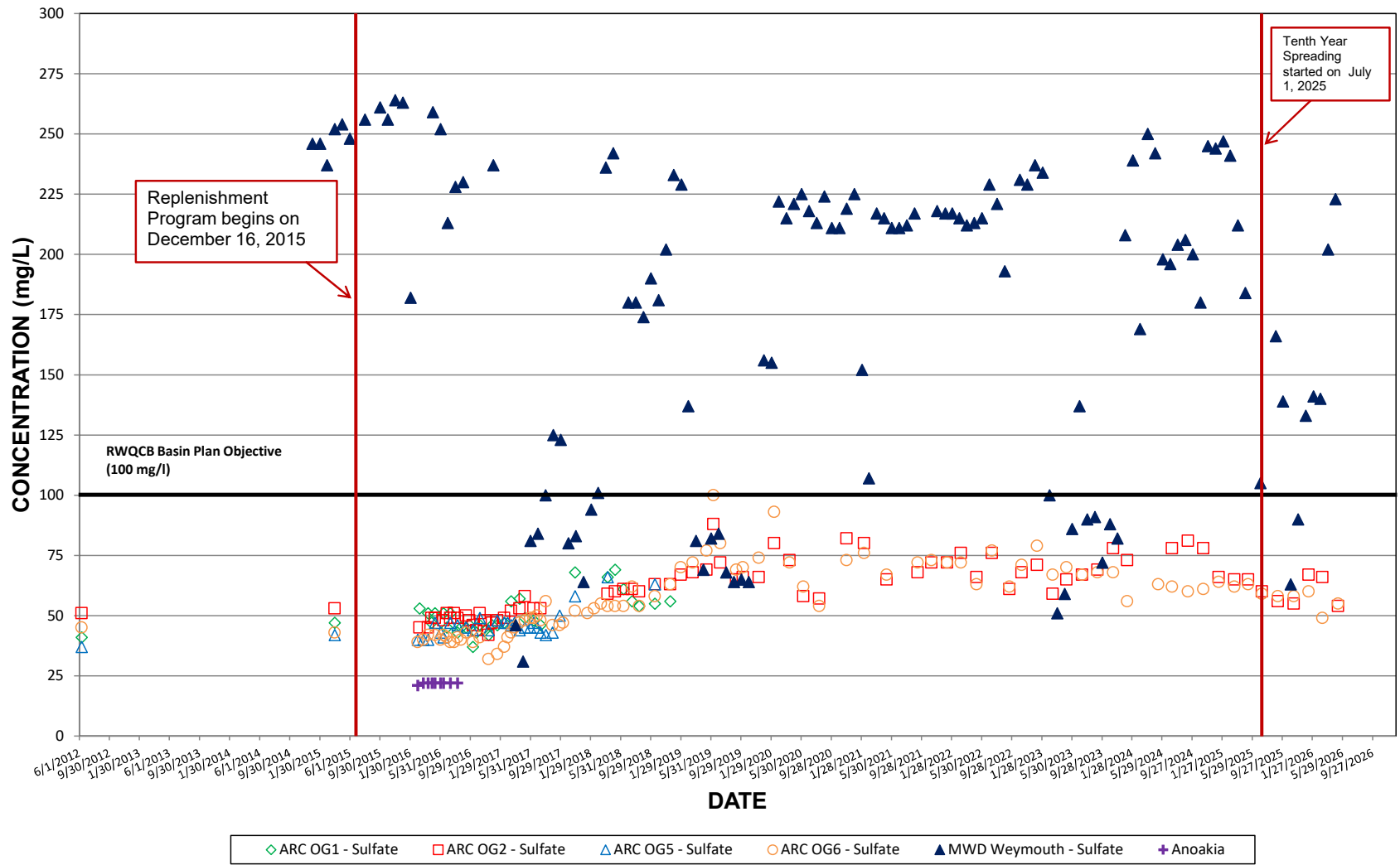


FIGURE 5

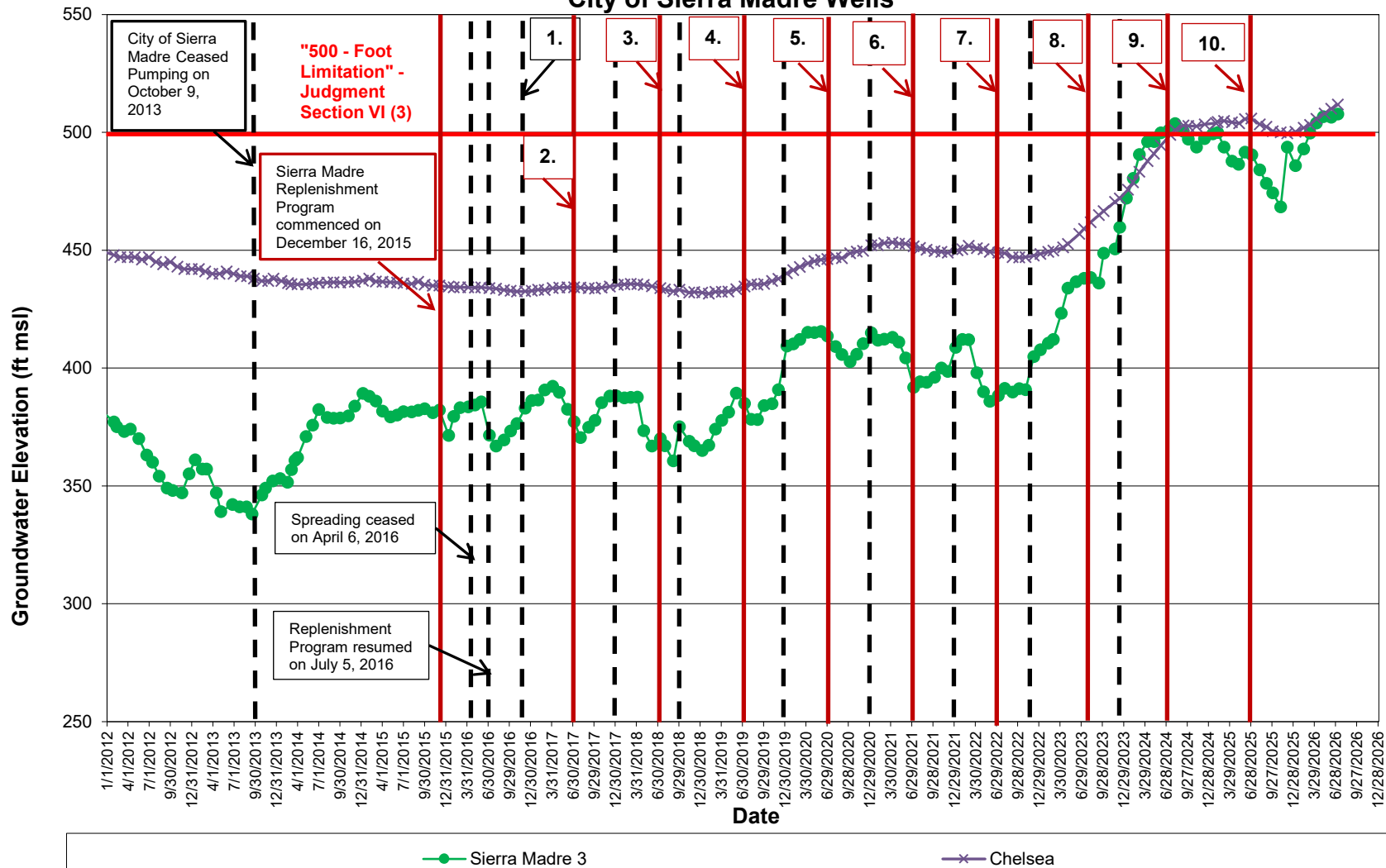


STETSON ENGINEERS INC.
West Covina San Rafael Mesa, Arizona
WATER RESOURCE ENGINEERS

CITY OF SIERRA MADRE REPLENISHMENT PROGRAM

LOCATION MAP - CITY OF SIERRA MADRE WELLS

SMAART Groundwater Elevation Monitoring Program Comparison of Groundwater Elevations City of Sierra Madre Wells

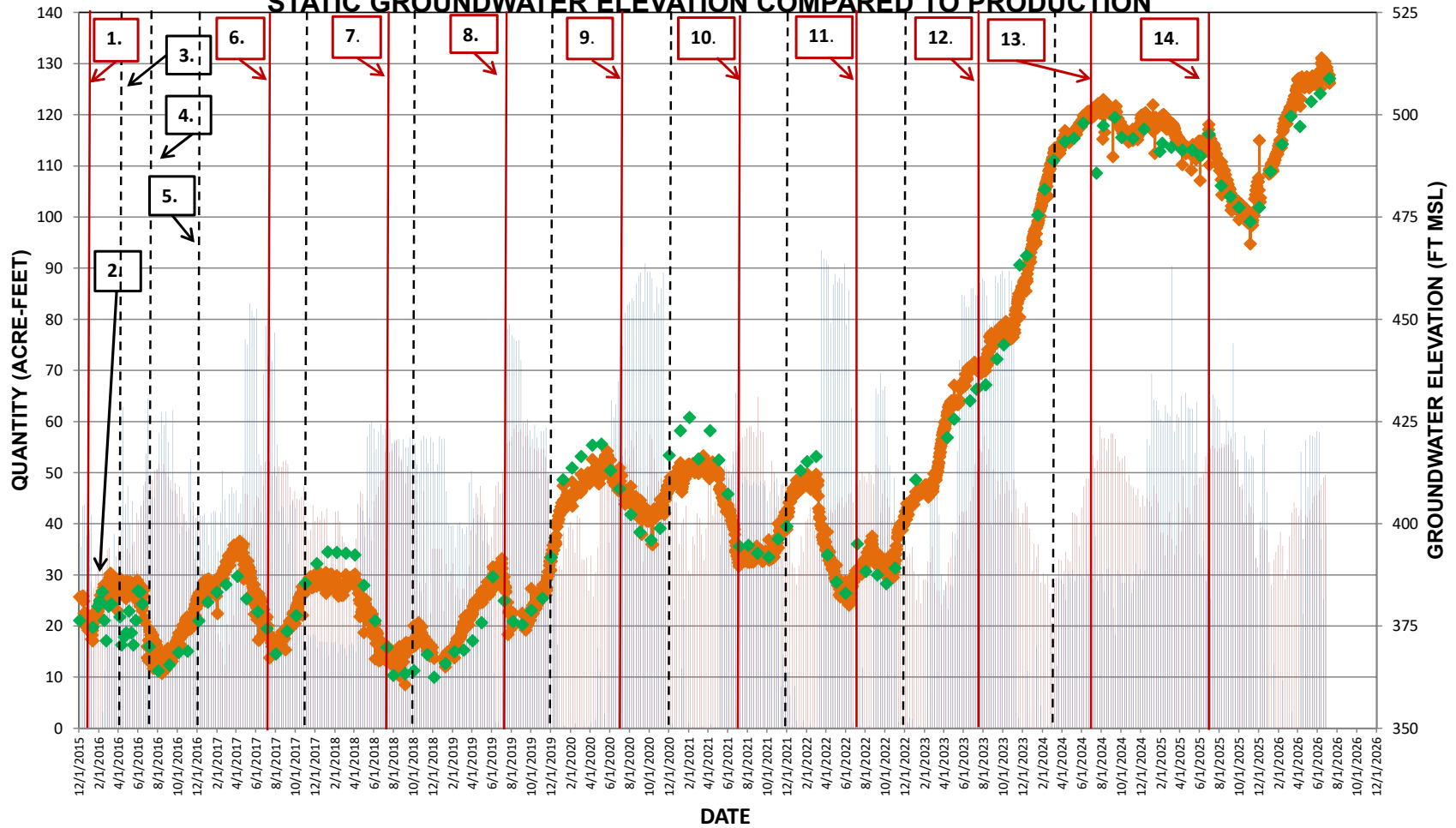


1. Replenishment Program ceased on 11/29/16
2. Second Year Spreading started on 07/05/17
3. Third Year Spreading started on 07/01/18
4. Fourth Year Spreading started on 07/18/19

5. Fifth Year Spreading started on 07/01/20
6. Sixth Year Spreading started on 07/01/21
7. Seventh Year Spreading started on 07/01/22
8. Eighth Year Spreading started on 07/27/23

9. Ninth Year Spreading started on 07/01/24
10. Tenth Year Spreading started on 07/01/25

CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM STATIC GROUNDWATER ELEVATION COMPARED TO PRODUCTION

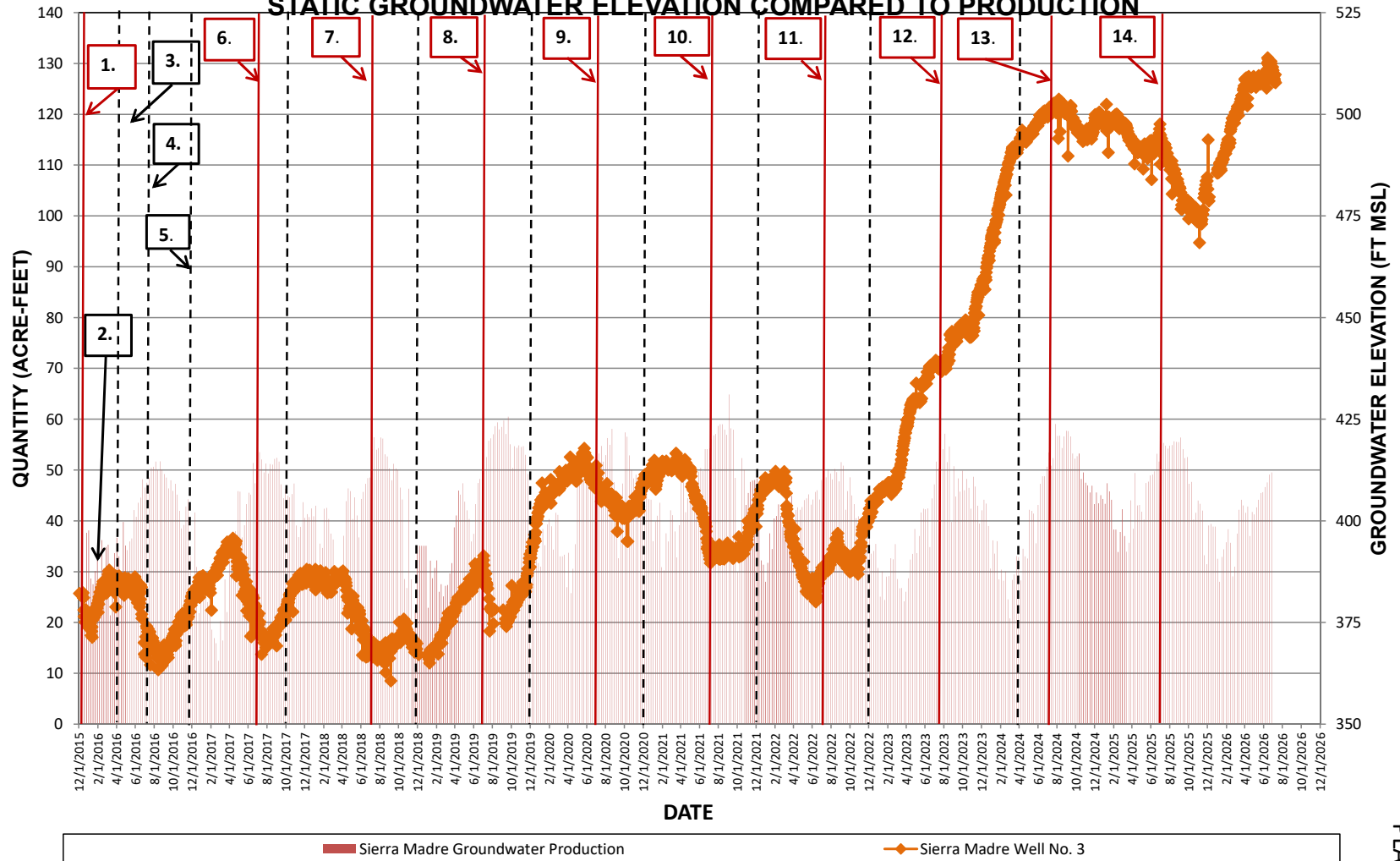


■ Sierra Madre Groundwater Production
 ■ Arcadia Groundwater Production
 ◆ Sierra Madre Well No. 3
 ◆ Arcadia Orange Grove Well 1A

NOTES :

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|---|---|---|---|
| 1) Sierra Madre resumed pumping of Wells on 12/16/15. | 5) Sierra Madre ceased spreading on 11/29/16. | 9) Fifth Year spreading started on 07/01/20. | 13) Ninth Year spreading started on 07/01/24. |
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| 3) Sierra Madre ceased spreading on 04/06/16. | 7) Third Year spreading started on 07/01/18. | 11) Seventh Year spreading on 07/01/22. | |
| 4) Sierra Madre restarted spreading on 07/05/16. | 8) Fourth Year spreading started on 07/18/19. | 12) Eighth Year spreading on 07/27/23. | |

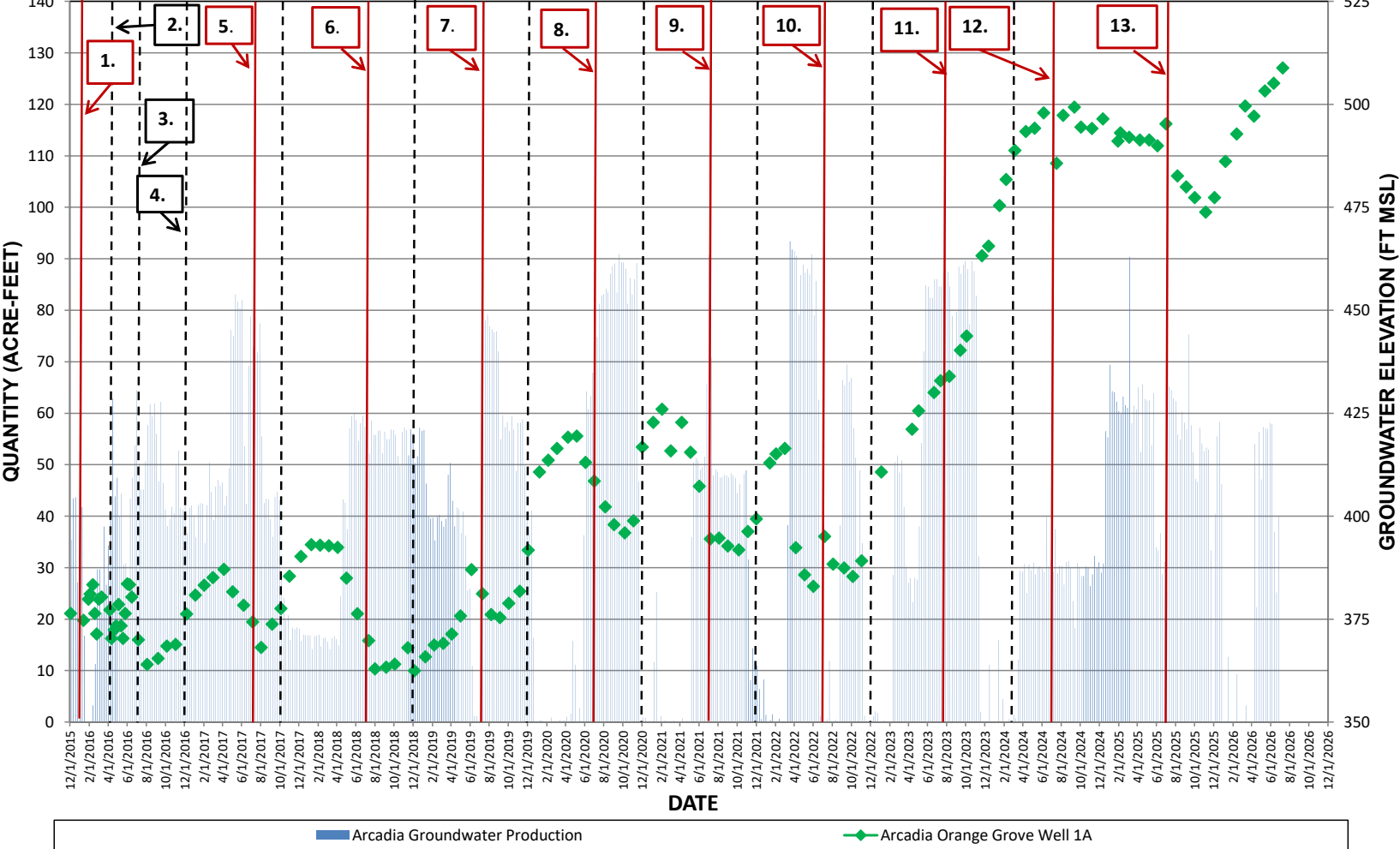
CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM STATIC GROUNDWATER ELEVATION COMPARED TO PRODUCTION



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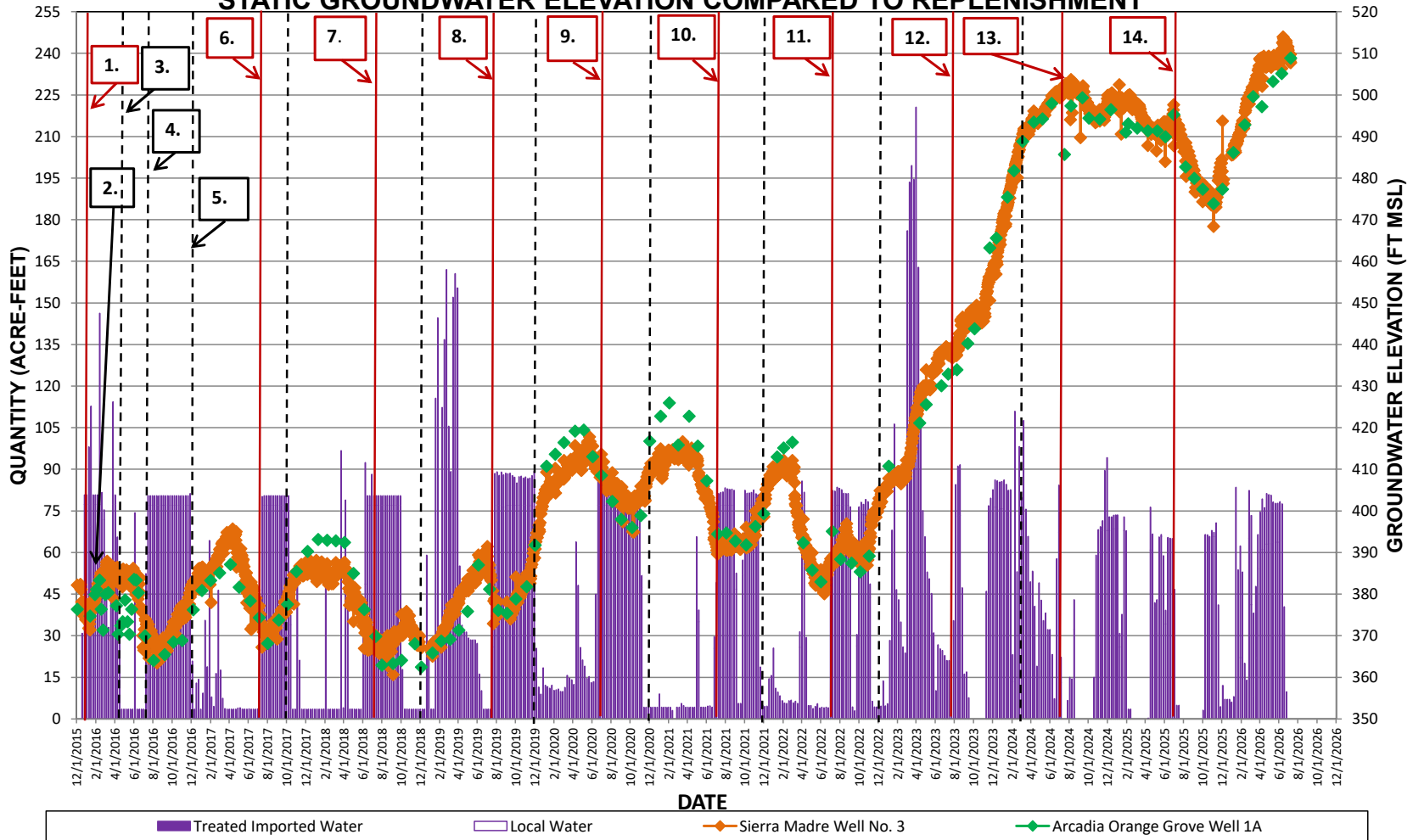
CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM
STATIC GROUNDWATER ELEVATION COMPARED TO PRODUCTION



NOTES:

- | | | | |
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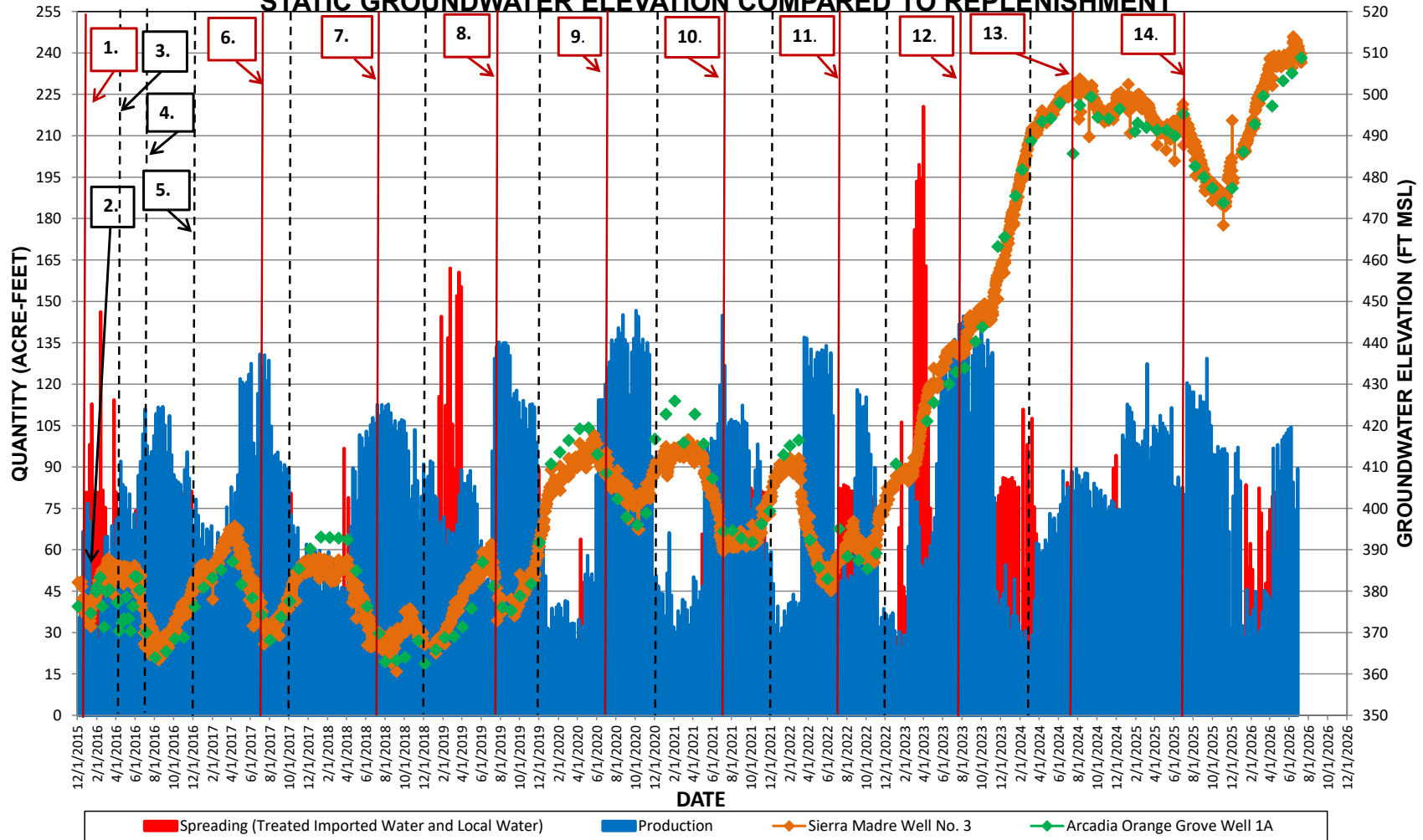
CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM STATIC GROUNDWATER ELEVATION COMPARED TO REPLENISHMENT



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|---|---|---|---|
| 1) Sierra Madre resumed pumping of Wells on 12/16/15. | 5) Sierra Madre ceased spreading on 11/29/16. | 9) Fifth Year spreading started on 07/01/20. | 13) Ninth Year spreading started on 07/01/24. |
| 2) Sierra Madre started spreading on 12/17/15. | 6) Second Year spreading started on 07/05/17. | 10) Sixth Year spreading started on 07/01/21. | 14) Tenth Year spreading started on 07/01/25. |
| 3) Sierra Madre ceased spreading on 04/06/16. | 7) Third Year spreading started on 07/01/18. | 11) Seventh Year spreading on 07/01/22. | |
| 4) Sierra Madre restarted spreading on 07/05/16. | 8) Fourth Year spreading started on 07/18/19. | 12) Eighth Year spreading on 07/27/23. | |

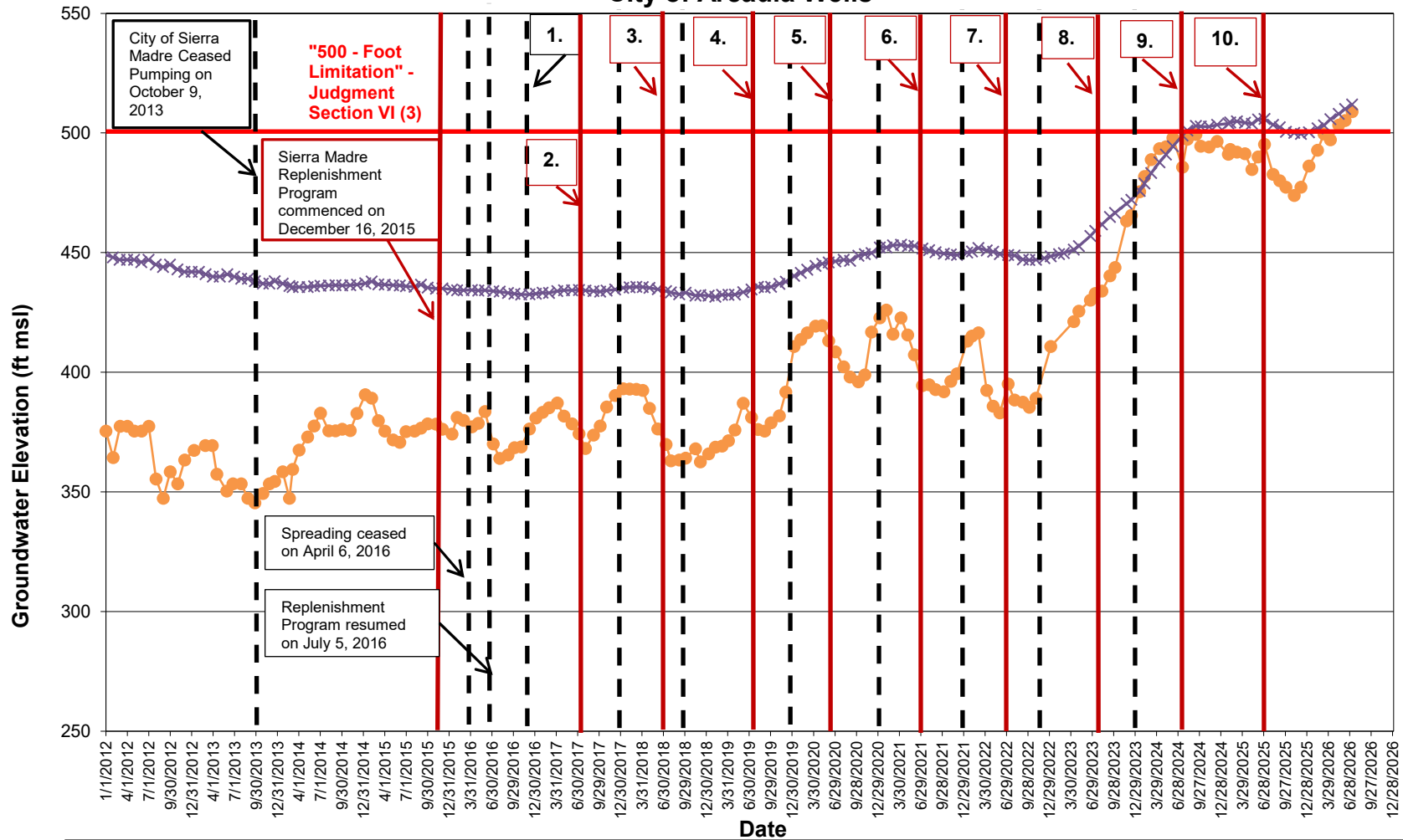
CITY OF SIERRA MADRE GROUNDWATER REPLENISHMENT PROGRAM STATIC GROUNDWATER ELEVATION COMPARED TO REPLENISHMENT



NOTES:

- | | | | |
|---|---|---|---|
| 1) Sierra Madre resumed pumping of Wells on 12/16/15. | 5) Sierra Madre ceased spreading on 11/29/16. | 9) Fifth Year spreading started on 07/01/20. | 13) Ninth Year spreading started on 07/01/24. |
| 2) Sierra Madre started spreading on 12/17/15. | 6) Second Year spreading started on 07/05/17. | 10) Sixth Year spreading started on 07/01/21. | 14) Tenth Year spreading started on 07/01/25. |
| 3) Sierra Madre ceased spreading on 04/06/16. | 7) Third Year spreading started on 07/01/18. | 11) Seventh Year spreading started on 07/01/22. | |
| 4) Sierra Madre restarted spreading on 07/05/16. | 8) Fourth Year spreading started on 07/18/19. | 12) Eighth Year spreading started on 07/27/23. | |

SMAART Groundwater Elevation Monitoring Program Comparison of Groundwater Elevations City of Arcadia Wells

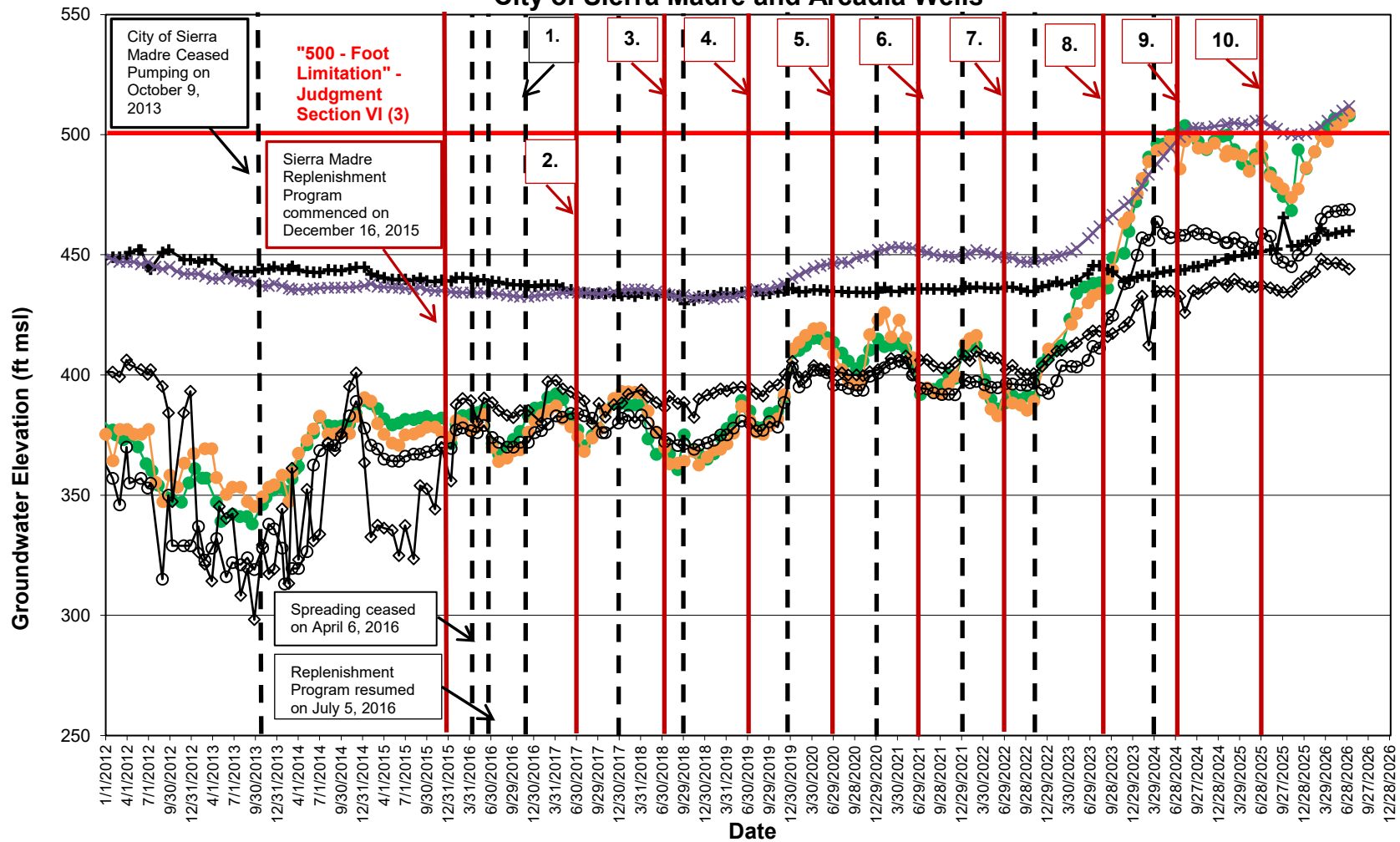


1. Replenishment Program ceased on 11/29/16
2. Second Year Spreading started on 07/05/17
3. Third Year Spreading started on 07/01/18
4. Fourth Year Spreading started on 07/18/19

5. Fifth Year Spreading started on 07/01/20
6. Sixth Year Spreading started on 07/01/21
7. Seventh Year Spreading started on 07/01/22
8. Eighth Year Spreading started on 07/27/23

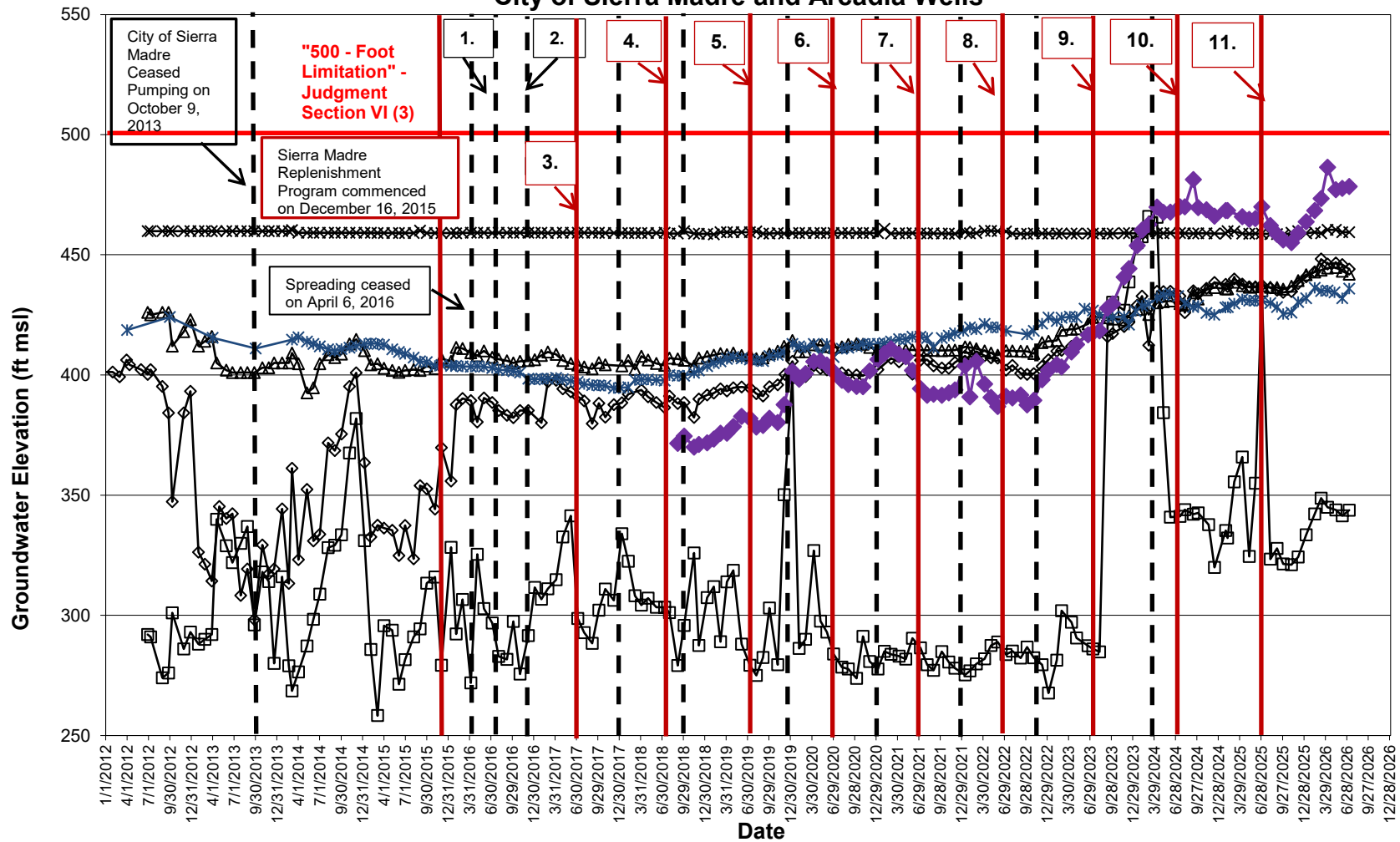
9. Ninth Year Spreading started on 07/01/24
10. Tenth Year Spreading started on 07/01/25

SMAART Groundwater Elevation Monitoring Program Comparison of Groundwater Elevations City of Sierra Madre and Arcadia Wells



- | | | |
|---|--|--|
| <p>1. Replenishment Program ceased on 11/29/16</p> <p>2. Second Year Spreading started on 07/05/17</p> <p>3. Third Year Spreading started on 07/01/18</p> <p>4. Fourth Year Spreading started on 07/18/19</p> | <p>5. Fifth Year Spreading started on 07/01/20</p> <p>6. Sixth Year Spreading started on 07/01/21</p> <p>7. Seventh Year Spreading started on 07/01/22</p> <p>8. Eighth Year Spreading started on 07/27/23</p> | <p>9. Ninth Year Spreading started on 07/01/24</p> <p>10. Tenth Year Spreading started on 07/01/25</p> |
|---|--|--|

SMAART Groundwater Elevation Monitoring Program Comparison of Groundwater Elevations City of Sierra Madre and Arcadia Wells



1. Replenishment Program resumed on 07/05/16
2. Replenishment Program ceased on 11/29/16
3. Second Year Spreading started on 07/05/17
4. Third Year Spreading started on 07/01/18

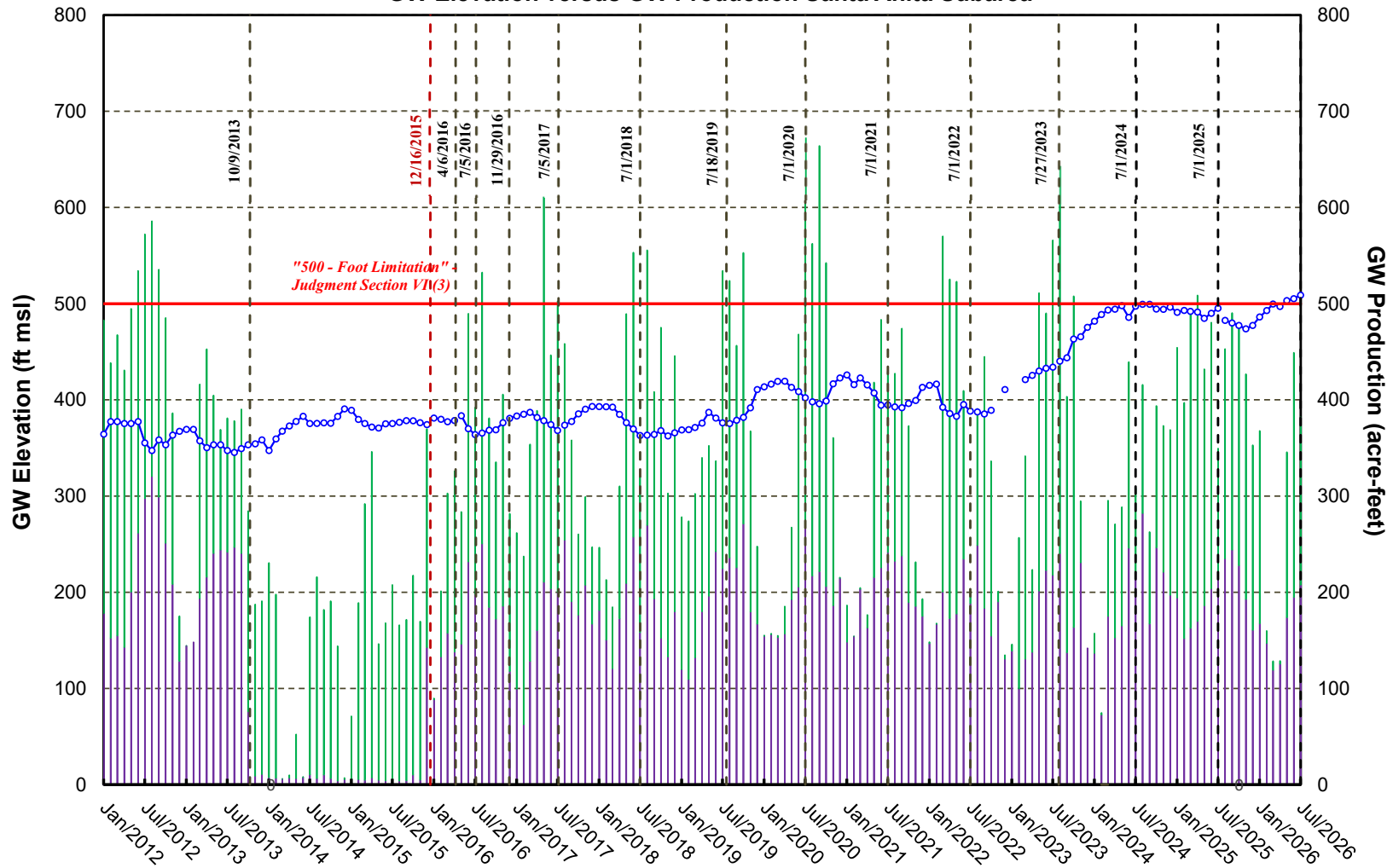
5. Fourth Year Spreading started on 07/18/19
6. Fifth Year Spreading started on 07/01/20
7. Sixth Year Spreading started on 07/01/21
8. Seventh Year Spreading started on 07/01/22

9. Eighth Year Spreading started on 07/27/23
10. Ninth Year Spreading started on 07/01/24
11. Tenth Year Spreading started on 07/01/25

SMAART

Groundwater Elevation Monitoring Program

GW Elevation versus GW Production Santa Anita Subarea



10/9/2013 : City of Sierra Madre Ceased Pumping
 12/16/2015 : Commencement of Sierra Madre Replenishment Program
 4/6/2016 : Sierra Madre Spreading Ceased
 7/5/2016 : Replenishment Program resumed
 11/29/2016 : Replenishment Program ceased

7/5/2017 : Second Year Spreading started
 7/1/2018 : Third Year Spreading started
 7/18/2019 : Fourth Year Spreading started
 7/1/2020 : Fifth Year Spreading started
 7/1/2021 : Sixth Year Spreading started
 7/1/2022 : Seventh Year Spreading started

7/27/2023 : Eighth Year Spreading started
 7/1/2024 : Ninth Year Spreading started
 7/1/2025 : Tenth Year Spreading started

Table 1A
City of Arcadia and City of Sierra Madre Monthly Grondwater Production
Santa Anita Subarea and Pasadena Subarea

Date	City of Arcadia														Date	City of Sierra Madre							
	Santa Anita Subarea										Pasadena Subarea					Santa Anita Subarea							
	OG1A		OG2A		OG5A		OG6		Anokia		Chapman 7		Colorado			Well 3		Well 4		Well 5		Well 6	
	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)		Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)
Jul-13	356,928.2		377,594.1		356,268.2		356,220.2		209,435.5		366,408.2		44,208.0		Jul-13	3,877.7		78604.3		92,861.7		100,479.4	
Aug-13	356,928.2	0.00	377,594.1	0.00	359,778.6	80.59	358,429.1	50.71	211,266.4	42.03	370,403.4	91.72	45,769.1	35.84	Aug-13	6,853.2	68.31	78,651.7	1.09	96,383.6	80.85	104,685.5	96.56
Sep-13	357,925.6	22.90	377,598.9	0.11	363,197.4	78.48	360,525.2	48.12	212,873.6	36.90	374,167.1	86.40	47,227.5	33.48	Sep-13	10,211.0	77.08	78,711.2	1.37	99,394.9	69.13	108,735.7	92.98
Oct-13	361,575.9	83.80	377,598.9	0.00	366,331.7	71.95	362,805.4	52.35	214,339.2	33.65	376,450.1	52.41	48,783.3	35.72	Oct-13	11,117.8	20.82	78,731.4	0.46	100,500.0	25.37	110,021.7	29.52
Nov-13	364,851.0	75.19	377,598.9	0.00	368,596.3	51.99	365,030.3	51.08	215,665.9	30.46	380,056.6	82.79	50,319.3	35.26	Nov-13	11,291.8	3.99	78,755.0	0.54	100,618.6	2.72	110,101.0	1.82
Dec-13	368,193.4	76.73	377,598.9	0.00	370,775.0	50.02	367,352.8	53.32	217,038.8	31.52	383,021.4	68.06	52,304.6	45.58	Dec-13	11,409.4	2.70	78,779.6	0.56	100,732.6	2.62	110,312.4	4.85
Jan-14	371,241.2	69.97	379,999.3	55.11	372,860.0	47.87	369,524.8	49.86	219,419.2	54.65	387,190.7	95.71	54,168.2	42.78	Jan-14	11,521.3	2.57	78,794.1	0.33	100,833.1	2.31	110,416.2	2.38
Feb-14	373,431.8	50.29	382,895.1	66.48	374,429.2	36.02	371,184.7	38.11	221,907.3	57.12	390,729.4	81.24	55,784.8	37.11	Feb-14	11,654.5	3.06	78,808.4	0.33	100,915.2	1.88	110,482.2	1.52
Mar-14	373,441.4	0.22	382,918.1	0.53	374,447.3	0.42	371,192.4	0.18	--	--	--	--	56,091.6	7.04	Mar-14	11,665.1	0.24	78,811.0	0.06	100,927.7	0.29	110,501.8	0.45
Apr-14	373,441.4	0.00	--	--	374,448.4	0.03	371,192.4	0.00	224,736.5	64.95	394,292.6	--	57,469.6	31.63	Apr-14	11,740.5	1.73	78,822.7	0.27	101,025.8	2.25	110,559.7	1.33
May-14	373,537.2	2.20	--	--	--	--	--	--	227,922.4	73.14	398,456.8	95.60	59,139.6	38.34	May-14	11,818.1	1.78	--	--	--	--	--	--
Jun-14	373,968.8	9.91	383,612.6	15.94	375,059.8	14.04	371,426.9	5.38	229,175.8	28.77	401,509.0	70.07	60,367.5	28.19	Jun-14	11,919.9	2.34	78,889.3	1.53	101,230.9	4.71	110,725.7	3.81
Jul-14	373,972.9	0.09	383,618.5	0.14	375,067.5	0.18	371,428.9	0.05	229,177.8	0.05	404,472.5	68.03	61,584.5	27.94	Jul-14	12,007.9	2.02	78,937.2	1.10	101,332.2	2.33	110,788.7	1.45
Aug-14	375,804.3	42.04	386,137.0	57.82	376,968.5	43.64	372,310.3	20.23	229,178.5	0.02	407,982.6	80.58	63,150.8	35.96	Aug-14	12,113.8	2.43	78,963.4	0.60	101,489.1	3.60	110,953.3	3.78
Sep-14	378,821.3	69.26	389,762.8	83.24	378,293.8	30.42	373,457.6	26.34	229,178.5	0.00	410,375.6	54.94	64,338.7	27.27	Sep-14	12,212.9	2.28	78,983.6	0.46	101,586.3	2.23	111,023.1	1.60
Oct-14	381,832.0	69.12	393,952.7	96.19	378,309.1	0.35	373,719.9	6.02	229,178.5	0.00	412,653.2	52.29	65,512.5	26.95	Oct-14	12,342.6	2.98	79,014.5	0.71	101,653.1	1.53	111,238.4	4.94
Nov-14	385,694.4	88.67	394,641.0	15.80	378,342.5	0.77	377,163.7	79.06	229,201.6	0.53	413,815.9	26.69	66,603.4	25.04	Nov-14	12,472.3	2.98	79,041.4	0.62	101,719.0	1.51	111,293.8	1.27
Dec-14	388,407.7	62.29	396,209.7	36.01	378,346.1	0.08	378,968.4	41.43	229,201.6	0.00	413,816.8	0.02	66,653.5	1.15	Dec-14	12,542.4	1.61	79,065.2	0.55	101,754.6	0.82	111,345.5	1.19
Jan-15	388,418.6	0.25	396,226.7	0.39	378,362.3	0.37	378,986.6	0.42	229,201.6	0.00	417,202.9	77.73	68,112.2	33.49	Jan-15	12,632.6	2.07	79,088.2	0.53	101,839.8	1.96	111,389.9	1.02
Feb-15	389,498.6	24.79	397,217.2	22.74	378,633.7	6.23	379,502.1	11.83	229,201.6	0.00	420,785.3	82.24	69,636.7	35.00	Feb-15	12,729.4	2.22	79,108.1	0.46	101,899.9	1.38	111,451.8	1.42
Mar-15	392,788.4	75.52	401,700.1	102.91	378,748.0	2.62	379,611.2	2.50	229,201.6	0.00	425,114.4	99.38	71,653.2	46.29	Mar-15	12,854.0	2.86	79,133.3	0.58	101,951.0	1.17	111,485.6	0.78
Apr-15	395,755.4	68.11	405,692.1	91.64	381,541.1	64.12	382,363.3	63.18	229,204.6	0.07	429,481.4	100.25	73,439.6	41.01	Apr-15	12,988.0	3.08	79,151.1	0.41	101,979.7	0.66	111,514.2	0.66
May-15	398,386.9	60.41	410,720.9	115.45	384,497.1	67.86	386,512.0	95.24	229,205.5	0.02	434,362.5	112.05	75,527.2	47.92	May-15	13,180.0	4.41	79,174.8	0.54	102,039.8	1.38	111,547.2	0.76
Jun-15	399,517.9	25.96	411,334.2	14.08	386,435.1	44.49	388,987.2	56.82	229,205.5	0.00	438,377.9	92.18	77,259.6	39.77	Jun-15	13,301.6	2.79	79,197.5	0.52	102,075.7	0.82	111,575.9	0.66
Jul-15	402,536.8	69.30	411,334.2	0.00	387,056.7	14.27	392,475.8	80.09	229,205.5	0.00	442,022.9	83.68	78,957.6	38.98	Jul-15	13,408.2	2.45	79,225.3	0.64	102,096.6	0.48	111,606.3	0.70
Aug-15	406,635.2	94.09	411,334.2	0.00	387,092.5	0.82	397,189.6	108.21	229,205.5	0.00	446,736.9	108.22	81,104.0	49.27	Aug-15	13,503.9	2.20	79,255.1	0.68	102,134.7	0.87	111,639.6	0.76
Sep-15	409,776.5	72.11	412,529.0	27.43	387,131.6	0.90	399,858.0	61.26	229,205.5	0.00	450,150.3	78.36	82,841.4	39.89	Sep-15	13,596.0	2.11	79,279.5	0.56	102,158.7	0.55	111,675.0	0.81
Oct-15	412,783.1	69.02	416,699.5	95.74	387,184.4	1.21	399,907.6	1.14	229,205.5	0.00	453,717.5	81.89	84,410.3	36.02	Oct-15	13,656.0</							

Table 1A
City of Arcadia and City of Sierra Madre Monthly Grondwater Production
Santa Anita Subarea and Pasadena Subarea

Date	City of Arcadia														Date	City of Sierra Madre							
	Santa Anita Subarea										Pasadena Subarea					Santa Anita Subarea							
	OG1A		OG2A		OG5A		OG6		Anokia		Chapman 7		Colorado			Well 3		Well 4		Well 5		Well 6	
	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)		Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)
Dec-16	437,998.9	90.69	454,466.9	111.36	402,492.0	0.00	428,387.8	17.90	229,205.5	0.00	465,794.5	0.00	109,172.4	48.88	Dec-16	45,493.2	63.08	82,357.8	9.15	130,490.7	66.59	137,602.5	46.82
Jan-17	441,168.8	72.77	458,266.8	87.23	402,654.9	3.74	428,395.2	0.17	229,205.5	0.00	465,794.5	0.00	110,909.6	39.88	Jan-17	47,363.5	42.94	82,949.0	13.57	131,089.0	13.74	139,673.0	47.53
Feb-17	444,394.6	74.05	462,095.4	87.89	402,663.1	0.19	428,398.8	0.08	229,205.5	0.00	465,794.5	0.00	112,753.1	42.32	Feb-17	48,874.9	34.70	83,030.1	1.86	133,321.2	51.24	140,177.6	11.58
Mar-17	445,974.9	36.28	463,926.9	42.05	404,630.7	45.17	430,628.0	51.18	229,205.5	0.00	465,794.5	0.00	114,626.6	43.01	Mar-17	49,118.0	5.58	83,146.0	2.66	134,265.8	21.69	141,597.9	32.61
Apr-17	446,004.5	0.68	463,961.8	0.80	409,177.9	104.39	435,829.1	119.40	229,205.5	0.00	465,794.5	0.00	116,523.2	43.54	Apr-17	50,419.6	29.88	83,251.6	2.42	136,813.7	58.49	143,234.9	37.58
May-17	447,018.8	23.29	465,295.2	30.61	412,630.0	79.25	439,971.5	95.10	229,205.5	0.00	465,794.5	0.00	117,364.5	19.31	May-17	53,761.5	76.72	83,353.1	2.33	138,391.5	36.22	145,200.8	45.13
Jun-17	450,984.4	91.04	469,780.7	102.97	416,896.7	97.95	444,687.6	108.27	229,205.5	0.00	465,794.5	0.00	118,272.3	20.84	Jun-17	54,929.4	26.81	83,475.8	2.82	142,522.2	94.83	148,955.3	86.19
Jul-17	454,137.3	72.38	473,331.2	81.51	419,018.1	48.70	446,438.5	40.20	229,205.5	0.00	465,794.5	0.00	120,023.5	40.20	Jul-17	56,592.9	38.19	83,849.4	8.58	145,815.2	75.60	152,496.9	81.30
Aug-17	456,943.0	64.41	476,393.7	70.31	422,112.7	71.04	450,653.8	96.77	229,205.5	0.00	465,794.5	0.00	121,644.2	37.21	Aug-17	57,588.1	22.85	84,713.6	19.84	149,206.7	77.86	155,957.2	79.44
Sep-17	456,943.0	0.00	476,393.7	0.00	426,275.0	95.55	455,368.5	108.23	229,205.5	0.00	465,794.5	0.00	123,785.7	49.16	Sep-17	59,400.9	41.62	85,856.2	26.23	152,331.6	71.74	160,959.5	114.84
Oct-17	456,943.0	0.00	476,393.7	0.00	429,529.3	74.71	459,406.7	92.70	229,205.5	0.00	465,794.5	0.00	125,487.4	39.07	Oct-17	60,801.1	32.14	86,014.5	3.63	155,078.7	63.06	164,952.3	91.66
Nov-17	456,943.0	0.00	476,393.7	0.00	429,529.3	0.00	463,058.4	83.83	229,205.5	0.00	465,794.5	0.00	127,253.4	40.54	Nov-17	62,817.1	46.28	86,014.5	0.00	157,297.3	50.93	168,399.4	79.13
Dec-17	456,943.0	0.00	476,393.7	0.00	429,529.3	0.00	467,037.6	91.35	229,205.5	0.00	465,794.5	0.00	129,724.3	56.72	Dec-17	65,564.5	63.07	86,934.9	21.13	159,217.6	44.08	171,851.7	79.25
Jan-18	456,943.0	0.00	476,393.7	0.00	429,529.3	0.00	470,482.6	79.09	229,205.5	0.00	465,794.5	0.00	132,004.0	52.33	Jan-18	65,965.6	9.21	87,119.1	4.23	162,399.1	73.04	175,359.8	80.53
Feb-18	456,943.0	0.00	476,393.7	0.00	429,529.3	0.00	473,329.0	65.34	229,205.5	0.00	465,794.5	0.00	133,550.1	35.49	Feb-18	66,431.2	10.69	88,013.8	20.54	165,463.6	70.35	178,827.0	79.60
Mar-18	456,943.0	0.00	476,393.7	0.00	429,529.3	0.00	476,042.9	62.30	229,205.5	0.00	465,794.5	0.00	135,548.4	45.87	Mar-18	66,683.0	5.78	88,296.5	6.49	168,308.7	65.31	182,003.6	72.92
Apr-18	456,943.0	0.00	476,393.7	0.00	429,529.3	0.00	478,822.5	63.81	229,205.5	0.00	465,794.5	0.00	137,439.4	43.41	Apr-18	66,755.0	1.65	88,566.9	6.21	170,749.6	56.04	184,474.8	56.73
May-18	456,958.3	0.35	479,773.5	77.59	429,529.3	0.00	481,422.8	59.69	229,205.5	0.00	465,794.5	0.00	139,131.2	38.84	May-18	66,922.4	3.84	89,074.1	11.64	174,072.8	76.29	187,990.4	80.71
Jun-18	460,295.6	76.61	485,393.4	129.02	429,529.3	0.00	484,661.7	74.35	229,205.5	0.00	465,794.5	0.00	141,392.4	51.91	Jun-18	67,087.3	3.79	89,615.3	12.42	178,100.0	92.45	192,372.7	100.60
Jul-18	464,249.5	90.77	491,046.4	129.78	429,529.3	0.00	487,932.2	75.08	229,205.5	0.00	465,794.5	0.00	143,598.8	50.65	Jul-18	67,348.8	6.00	90,345.0	16.75	182,983.6	112.11	197,709.0	122.50
Aug-18	466,450.8	50.53	494,183.2	72.01	429,529.3	0.00	489,669.2	39.88	229,205.5	0.00	465,794.5	0.00	144,648.4	24.10	Aug-18	67,380.9	0.74	91,150.5	18.49	185,929.9	67.64	200,816.5	71.34
Sep-18	470,359.1	89.72	499,707.8	126.83	429,529.3	0.00	492,682.4	69.17	229,205.5	0.00	465,794.5	0.00	146,535.4	43.32	Sep-18	67,878.6	11.43	92,290.4	26.17	190,947.8	115.20	205,912.7	116.99
Oct-18	473,259.1	66.57	503,816.9	94.33	429,529.3	0.00	495,038.0	54.08	229,205.5	0.00	465,798.2	0.08	147,844.5	30.05	Oct-18	67,955.4	1.76	93,012.6	16.58	194,687.3	85.85	209,795.9	89.15
Nov-18	477,615.8	100.02	509,895.1	139.54	429,529.3	0.00	498,654.4	83.02	229,205.5	0.00	470,279.8	102.88	149,484.9	37.66	Nov-18	69,861.1	43.75	93,888.6	20.11	196,954.8	52.05	211,387.9	36.55
Dec-18	479,899.9	52.44	513,086.4	73.26	429,529.3	0.00	500,572.0	44.02	229,205.5	0.00	470,283.7	0.09	150,559.1	24.66	Dec-18	70,343.7	11.08	94,703.6	18.71	199,908.6	67.81	212,931.4	35.43
Jan-19	483,281.6	77.63	518,175.5	116.83	429,529.3	0.00	503,671.7	71.16	229,205.5	0.00	470,294.9	0.26	152,181.5	37.25	Jan-19	70,469.5	2.89	94,843.9	3.22	203,566.8	83.98	216,843.8	89.82
Feb-19	483,492.9	4.85	522,334.9	95.49	429,529.3	0.00	506,193.5	57.89	229,205.5	0.00													

Table 1A
City of Arcadia and City of Sierra Madre Monthly Grondwater Production
Santa Anita Subarea and Pasadena Subarea

Date	City of Arcadia														Date	City of Sierra Madre							
	Santa Anita Subarea										Pasadena Subarea					Santa Anita Subarea							
	OG1A		OG2A		OG5A		OG6		Anokia		Chapman 7		Colorado			Well 3		Well 4		Well 5		Well 6	
	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)		Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)
May-20	499,840.9	7.30	567,296.9	13.95	436,888.8	0.20	531,363.8	7.02	229,205.5	0.00	470,610.2	0.01	179,587.7	47.26	May-20	89,637.1	11.83	103,990.1	5.59	249,843.1	62.44	268,774.3	76.94
Jun-20	500,928.5	24.97	568,737.6	33.07	436,900.5	0.27	532,084.7	16.55	229,205.5	0.00	470,610.4	0.00	181,806.0	50.93	Jun-20	90,411.8	17.78	104,618.3	14.42	253,155.6	76.04	272,445.0	84.27
Jul-20	504,553.0	83.21	573,505.0	109.44	437,284.2	8.81	534,740.4	60.97	229,205.5	0.00	470,703.6	2.14	184,027.7	51.00	Jul-20	90,481.2	1.59	104,648.3	0.69	257,476.0	99.18	276,980.2	104.11
Aug-20	508,921.7	100.29	579,327.9	133.68	440,348.1	70.34	539,017.8	98.20	229,205.5	0.00	470,703.6	0.00	186,711.2	61.60	Aug-20	93,511.6	69.57	104,723.6	1.73	263,310.6	133.94	279,770.2	64.05
Sep-20	512,336.0	78.38	583,848.4	103.78	443,772.9	78.62	542,693.0	84.37	229,205.5	0.00	470,703.6	0.00	188,847.2	49.04	Sep-20	98,254.8	108.89	105,225.8	11.53	267,133.8	87.77	280,160.2	8.95
Oct-20	516,648.2	98.99	589,393.4	127.30	448,382.2	105.81	547,496.5	110.27	229,205.5	0.00	470,703.6	0.00	191,505.5	61.03	Oct-20	101,922.9	84.21	106,846.5	37.21	267,483.7	8.03	284,173.3	92.13
Nov-20	519,947.0	75.73	593,701.5	98.90	451,601.7	73.91	551,312.9	87.61	229,205.5	0.00	470,703.6	0.00	193,568.8	47.37	Nov-20	106,147.4	96.98	106,944.0	2.24	267,483.7	0.00	288,829.1	106.88
Dec-20	521,691.6	40.05	595,950.1	51.62	453,203.7	36.78	553,309.6	45.84	229,205.5	0.00	470,703.6	0.00	195,762.9	50.37	Dec-20	110,249.5	94.17	109,157.6	50.82	267,483.7	0.00	290,622.7	41.18
Jan-21	521,700.0	0.19	595,962.7	0.29	453,208.1	0.10	553,319.6	0.23	229,205.5	0.00	470,704.0	0.01	198,775.3	69.16	Jan-21	115,341.6	116.90	113,300.4	95.11	267,483.7	0.00	290,732.3	2.52
Feb-21	521,982.4	6.48	596,499.0	12.31	453,606.2	9.14	553,758.3	10.07	229,205.5	0.00	470,704.5	0.01	201,209.7	55.89	Feb-21	118,873.4	81.08	116,188.4	66.30	267,483.7	0.00	290,774.4	0.97
Mar-21	521,983.7	0.03	596,501.9	0.07	453,611.0	0.11	553,762.0	0.08	229,205.5	0.00	470,704.5	0.00	203,604.1	54.97	Mar-21	122,599.0	85.53	119,117.0	67.23	267,483.7	0.00	290,831.0	1.30
Apr-21	521,994.6	0.25	596,516.9	0.34	453,619.9	0.20	553,773.1	0.25	229,205.5	0.00	470,708.8	0.10	206,645.6	69.82	Apr-21	127,223.9	106.17	122,766.5	83.78	268,012.3	12.13	290,887.1	1.29
May-21	521,997.7	0.07	596,819.0	6.94	453,621.8	0.04	554,045.7	6.26	229,205.5	0.00	470,732.9	0.55	209,012.7	54.34	May-21	131,198.2	91.24	122,816.3	1.14	271,093.5	70.73	290,887.1	0.00
Jun-21	522,002.3	0.11	601,458.0	106.50	453,624.7	0.07	558,225.3	95.95	229,205.5	0.00	470,732.9	0.00	211,272.3	51.87	Jun-21	135,451.8	97.65	122,871.0	1.26	276,168.2	116.50	290,887.1	0.00
Jul-21	523,657.8	38.01	607,098.8	129.49	455,538.9	43.94	563,267.1	115.74	229,205.5	0.00	470,732.9	0.00	213,964.1	61.80	Jul-21	140,400.7	113.61	123,600.1	16.74	281,291.5	117.61	290,890.3	0.07
Aug-21	523,663.8	0.14	611,423.1	99.27	455,546.1	0.17	567,103.1	88.06	229,205.5	0.00	470,732.9	0.00	216,019.7	47.19	Aug-21	140,693.8	6.73	123,904.7	6.99	286,540.7	120.51	295,567.0	107.36
Sep-21	523,669.3	0.13	615,884.6	102.42	455,553.0	0.16	571,118.1	92.17	229,205.5	0.00	470,732.9	0.00	218,216.0	50.42	Sep-21	140,746.7	1.21	123,994.3	2.06	291,427.4	112.18	300,660.3	116.93
Oct-21	523,678.5	0.21	621,402.0	126.66	455,564.4	0.26	575,867.4	109.03	229,205.5	0.00	470,732.9	0.00	220,518.8	52.87	Oct-21	140,808.5	1.42	124,280.5	6.57	295,395.8	91.10	306,709.8	138.88
Nov-21	523,689.0	0.24	625,615.0	96.72	455,576.4	0.28	579,617.5	86.09	229,205.5	0.00	470,732.9	0.00	222,581.2	47.35	Nov-21	140,835.7	0.62	124,383.6	2.37	299,162.2	86.46	311,069.2	100.08
Dec-21	523,694.8	0.13	626,653.5	23.84	455,581.8	0.12	580,561.7	21.68	229,205.5	0.00	470,732.9	0.00	224,061.7	33.99	Dec-21	140,949.3	2.61	124,548.2	3.78	303,009.0	88.31	315,023.5	90.78
Jan-22	523,704.7	0.23	627,054.2	9.20	455,592.2	0.24	580,919.1	8.20	229,205.5	0.00	470,732.9	0.00	228,075.1	92.13	Jan-22	141,155.0	4.72	124,935.3	8.89	306,414.7	78.18	318,654.1	83.35
Feb-22	523,717.5	0.29	627,073.4	0.44	455,606.9	0.34	580,936.5	0.40	229,205.5	0.00	470,732.9	0.00	229,755.6	38.58	Feb-22	141,265.9	2.55	125,022.1	1.99	309,500.6	70.84	321,763.1	71.37
Mar-22	523,723.9	0.15	627,081.9	0.20	455,611.8	0.11	580,944.6	0.19	229,205.5	0.00	470,732.9	0.00	232,133.8	54.60	Mar-22	143,654.8	54.84	125,107.5	1.96	313,045.9	81.39	323,017.3	28.79
Apr-22	527,249.9	80.95	631,602.8	103.79	459,656.8	92.86	584,947.5	91.89	229,205.5	0.00	470,732.9	0.00	234,809.9	61.43	Apr-22	147,904.0	97.55	125,208.7	2.32	317,264.6	96.85	323,179.6	3.73
May-22	530,435.0	73.12	635,998.1	100.90	463,665.0	92.02	588,717.2	86.54	229,205.5	0.00	470,732.9	0.00	236,735.5	44.21	May-22	151,563.4	84.01	125,264.5	1.28	320,973.8	85.15	323,278.5	2.27
Jun-22	533,645.5	73.70	640,256.3	97.75	467,571.4	89.68	592,385.3	84.21	229,205.5	0.00	470,732.9	0.00	238,579.5	42.33	Jun-22	152,371.2	18.54	125,377.1	2.58	324,656.1	84.53	326,409.7	71.88
Jul-22	535,373.8	39.68	642,548.6	52.62	469,198.8	37.36	594,352.7</																

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City of Arcadia and City of Sierra Madre Monthly Grondwater Production
Santa Anita Subarea and Pasadena Subarea

Date	City of Arcadia														Date	City of Sierra Madre							
	Santa Anita Subarea										Pasadena Subarea					Santa Anita Subarea							
	OG1A		OG2A		OG5A		OG6		Anokia		Chapman 7		Colorado			Well 3		Well 4		Well 5		Well 6	
	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)		Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)	Meter Reading ¹	Prod (af)
Oct-23	570,405.8	101.71	693,891.8	84.54	469,198.8	0.00	633,612.4	79.73	229,205.5	0.00	470,732.9	0.00	273,644.6	0.03	Oct-23	195,796.7	21.97	142,876.7	64.36	376,876.4	50.99	337,821.8	0.00
Nov-23	576,133.4	131.49	698,656.7	109.39	469,198.8	0.00	638,110.4	103.26	229,205.5	0.00	470,732.9	0.00	273,645.4	0.02	Nov-23	197,878.2	47.78	144,147.3	29.17	380,649.2	86.61	338,888.2	24.48
Dec-23	577,202.8	24.55	699,535.8	20.18	469,198.8	0.00	638,940.8	19.06	229,205.5	0.00	470,732.9	0.00	273,934.9	6.65	Dec-23	198,527.3	14.90	147,646.9	80.34	386,558.2	135.65	340,216.8	30.50
Jan-24	577,202.8	0.00	699,535.8	0.00	469,198.8	0.00	638,940.8	0.00	229,205.5	0.00	470,732.9	0.00	274,103.4	3.87	Jan-24	199,715.9	27.29	150,715.6	70.45	388,477.1	44.05	340,216.8	0.00
Feb-24	577,561.4	8.23	699,807.2	6.23	469,198.8	0.00	639,199.4	5.94	229,205.5	0.00	470,732.9	0.00	274,309.3	4.73	Feb-24	202,765.2	70.00	153,450.1	62.78	388,647.9	3.92	340,216.8	0.00
Mar-24	577,589.9	0.65	699,807.2	0.00	469,198.8	0.00	639,256.6	1.31	229,205.5	0.00	470,732.9	0.00	274,471.6	3.73	Mar-24	205,045.5	52.35	154,201.4	17.25	388,778.7	3.00	340,216.8	0.00
Apr-24	577,589.9	0.00	699,807.2	0.00	469,198.8	0.00	644,487.6	120.09	229,205.5	0.00	470,732.9	0.00	274,501.9	0.70	Apr-24	208,423.9	77.56	154,631.9	9.88	391,609.4	64.98	341,210.2	22.81
May-24	577,589.9	0.00	699,807.2	0.00	469,198.8	0.00	649,632.4	118.11	229,205.5	0.00	470,732.9	0.00	276,069.4	35.98	May-24	210,059.1	37.54	154,818.2	4.28	394,683.3	70.57	342,965.5	40.30
Jun-24	577,592.3	0.06	699,807.2	0.00	469,198.8	0.00	655,001.7	123.26	229,205.5	0.00	470,732.9	0.00	278,584.9	57.75	Jun-24	210,880.6	18.86	154,987.0	3.88	397,976.1	75.59	345,878.2	66.87
Jul-24	577,865.1	6.26	699,807.2	0.00	469,653.1	10.43	662,694.3	176.60	229,205.5	0.00	470,732.9	0.00	282,516.0	90.25	Jul-24	213,458.9	59.19	156,072.7	24.92	400,652.8	61.45	350,222.1	99.72
Aug-24	577,885.2	0.46	699,807.2	0.00	469,653.1	0.00	666,479.3	86.89	229,205.5	0.00	470,732.9	0.00	284,529.4	46.22	Aug-24	214,036.2	13.25	160,278.1	96.54	400,652.8	0.00	355,055.2	110.95
Sep-24	577,934.8	1.14	699,807.2	0.00	469,688.0	0.80	672,213.5	131.64	229,205.5	0.00	470,732.9	0.00	288,037.0	80.52	Sep-24	220,279.6	143.33	165,977.0	130.83	400,833.3	4.14	355,219.9	3.78
Oct-24	577,950.4	0.36	699,807.2	0.00	469,704.4	0.38	676,342.3	94.78	229,205.5	0.00	470,732.9	0.00	290,039.0	45.96	Oct-24	223,658.3	77.56	167,004.5	23.59	400,901.3	1.56	358,026.5	64.43
Nov-24	577,987.9	0.86	699,807.2	0.00	469,726.9	0.52	682,696.3	145.87	229,205.5	0.00	470,732.9	0.00	293,380.2	76.70	Nov-24	229,225.7	127.81	167,104.8	2.30	401,241.8	7.82	362,750.0	108.44
Dec-24	578,025.4	0.86	699,807.2	0.00	469,774.2	1.09	689,232.0	150.04	229,205.5	0.00	470,732.9	0.00	296,794.2	78.37	Dec-24	234,126.8	112.51	167,209.5	2.40	401,406.5	3.78	367,203.7	102.24
Jan-25	578,748.7	16.60	708,417.6	197.67	469,789.6	0.35	697,968.4	200.56	229,205.5	0.00	470,732.9	0.00	299,101.9	52.98	Jan-25	237,153.7	69.49	167,479.1	6.19	401,406.5	0.00	371,024.7	87.72
Feb-25	578,748.7	0.00	709,944.8	35.06	469,789.6	0.00	699,394.6	32.74	229,205.5	0.00	470,732.9	0.00	302,068.9	68.11	Feb-25	241,982.1	110.84	167,595.1	2.66	401,674.8	6.16	373,398.2	54.49
Mar-25	578,767.5	0.43	715,455.9	126.52	469,802.4	0.29	704,581.9	119.08	229,205.5	0.00	470,732.9	0.00	304,668.6	59.68	Mar-25	245,313.3	76.47	167,696.0	2.32	401,704.7	0.69	376,373.1	68.29
Apr-25	578,813.3	1.05	721,962.5	149.37	469,851.8	1.13	710,592.0	137.97	229,205.5	0.00	470,732.9	0.00	307,606.6	67.45	Apr-25	249,544.9	97.14	168,049.0	8.10	401,835.2	3.00	379,175.3	64.33
May-25	578,859.8	1.07	728,251.1	144.37	469,886.1	0.79	716,060.8	125.55	229,205.5	0.00	470,732.9	0.00	310,515.7	66.78	May-25	252,821.7	75.22	168,517.3	10.75	404,413.0	59.18	380,253.9	24.76
Jun-25	578,886.6	0.62	733,195.1	113.50	469,900.7	0.34	718,893.5	65.03	229,205.5	0.00	470,732.9	0.00	313,000.9	57.05	Jun-25	256,779.0	90.85	169,176.7	15.14	406,294.5	43.19	383,161.3	66.74
Jul-25	578,933.0	1.07	737,412.4	96.82	469,943.1	0.97	719,248.0	8.14	229,205.5	0.00	470,732.9	0.00	315,128.7	48.85	Jul-25	260,337.7	81.70	169,216.0	0.90	406,386.4	2.11	387,686.2	103.88
Aug-25	578,954.7	0.50	745,029.8	174.87	469,960.3	0.39	726,075.2	156.73	229,205.5	0.00	470,732.9	0.00	317,459.5	53.51	Aug-25	261,802.4	33.62	169,221.8	0.13	410,574.6	96.15	393,952.7	143.86
Sep-25	579,049.0	2.16	749,645.4	105.96	470,034.9	1.71	731,199.0	117.63	229,205.5	0.00	470,732.9	0.00	320,179.5	62.44	Sep-25	261,918.7	2.67	169,221.8	0.00	415,107.3	104.06	398,960.3	114.96
Oct-25	579,502.7	10.42	753,753.9	94.32	470,355.4	7.36	736,090.7	112.30	229,205.5	0.00	470,732.9	0.00	322,695.0	57.75	Oct-25	262,071.3	3.50	169,221.8	0.00	419,287.2	95.96	403,504.1	104.31
Nov-25	579,604.4	2.33	758,876.7	117.60	470,382.2	0.62	742,278.4	142.05	229,205.5	0.00	470,732.9	0.00	325,862.4	72.71	Nov-25	262,827.2	17.35	169,221.8	0.00	423,928.7	106.55	407,542.8	92.72
Dec-25	579,766.3	3.72	761,146.0	52.10	470,507.9	2.89	745,009.0	62.69	229,205.5	0.00	470,732.9	0.00	325,862.4	0.00	Dec-25	262,827.2	0.00	169,221.8	0.00	427,030.9	71.22	410,840.3	75.70
Jan-26	580,051.6	6.55	764,667.0	80.83	470,724.6	4.97	749,232.2	96.95	229,205.5	0.00	470,732.9	0.00	331,638.0	132.59	Jan-26	265,223.8	55.02	169,221.8	0.00	429,279.5	51.62	414,120.1	75.29
Feb-26	580,333.0	6.46	764,875.8	4.79	470,945.5	5.07	749,478.0	5.64	229,205.5	0.00	470,732.9	0.00	334,514.7	66.04	Feb-26	269,367.4	95.12	169,221.8	0.00	--	58.00	--	4.25
Mar-26	580,374.3	0.95	764,906.2	0.70	470,978.1	0.75	749,513.7	0.82	229,205.5	0.00	470,732.9	0.00	336,968.4	56.33	Mar-26	272,361.8	68.74	169,221.8	0.00	401,631.5	58.00	414,066.9	4.00
Apr-26	580,644.6	6.21	765,103.3	4.52	471,181.8	4.68	749,748.8	5.40	229,205.5	0.00	470,732.9	0.00	339,659.2	61.77	Apr-26	276,214.2	88.44	169,221.8	0.00	401,849.4	5.00	414,130.6	1.46
May-26	581,178.5	12.26	769,624.4	103.79	471,561.5	8.72	755,138.2	123.72	229,205.5	0.00	470,732.9	0.00	342,872.7	73.77	May-26	279,987.4	86.62	169,221.8	0.00	405,270.3	78.53	414,276.6	3.35
Jun-26	581,211.3	0.75	774,174.6	104.46	471,586.9	0.58	760,559.7	124.46	229,205.5	0.00	470,732.9	0.00	345,551.7	61.50	Jun-26	284,028.8	92.78	169,221.8	0.00	409,831.9	104.72	415,358.0	24.83
Jul-26	581,211.3	0.00	776,438.0	51.96	471,587.1	0.00	785,311.7	568.23	229,205.5	0.00	470,732.9	0.00	348,367.3	64.64	Jul-26	288,562.6	104.08	169,221.8	0.00	413,793.3	90.94	415,674.4	7.26

Note

1 Meter Reading Unit is ft³ x 1,000

Table 1B
Santa Anita Subarea
Arcadia and Sierra Madre Annual Production (unit: acre-feet)

Fiscal Year	City of Arcadia							City of Sierra Madre			
	Santa Anita Subarea					Pasadena Subarea		Santa Anita Subarea			
	OG1A	OG2A	OG5A	OG6	Anokia	Chapman 7	Colorado	Well 3	Well 4	Well 5	Well 6
FY2013-14	391.20	138.17	431.40	349.10	453.17	724.00	370.97	184.62	6.54	192.13	235.22
FY2014-15	586.53	636.40	261.14	403.13	0.68	846.39	387.79	31.72	7.08	19.39	19.52
FY2015-16	507.13	443.64	297.55	585.39	0.00	629.40	476.13	365.15	32.44	321.98	119.05
FY2016-17	674.38	898.11	401.76	693.32	0.00	0.00	465.39	590.49	65.77	606.54	739.06
FY2017-18	213.76	358.42	290.00	917.68	0.00	0.00	530.76	279.11	140.94	816.75	996.73
FY2018-19	532.54	1,260.52	0.00	732.49	0.00	110.52	405.69	346.98	211.11	764.00	759.46
FY2019-20	400.27	652.80	169.22	356.19	0.00	0.04	522.08	188.47	133.31	959.04	1,078.75
FY2020-21	483.79	751.16	383.93	600.11	0.00	2.81	676.45	1,033.98	419.02	528.30	423.37
FY2021-22	267.29	890.69	320.17	784.21	0.00	0.00	626.89	388.42	57.53	1,113.13	815.49
FY2022-23	357.56	819.72	37.36	560.99	0.00	0.00	667.93	721.46	229.63	830.62	259.46
FY2023-24	651.32	547.38	0.00	876.49	0.00	0.00	250.46	621.73	450.11	852.57	187.47
FY2024-25	29.71	766.48	16.11	1,466.75	0.00	0.00	790.08	1,053.68	325.75	190.96	855.90
FY2025-26	53.37	940.76	38.71	956.52	0.00	0.00	747.26	625.57	1.04	831.92	748.61
Total	5,148.83	9,104.24	2,647.35	9,282.36	453.86	2,313.17	6,917.90	6,431.38	2,080.29	8,027.35	7,238.09

Table 2A
Santa Anita Subarea Month Spreading
Santa Anita and Sierra Madre Spreading Grounds

Date	Sierra Madre Spreading Ground (unit:acre-feet)	Santa Anita Spreading Ground (unit:acre-feet)
Jul-2013	15.50	0.00
Aug-2013	9.30	0.00
Sep-2013	9.00	0.00
Oct-2013	9.30	0.00
Nov-2013	57.07	0.00
Dec-2013	22.15	0.00
Jan-2014	15.50	0.00
Feb-2014	51.65	0.00
Mar-2014	124.35	0.00
Apr-2014	109.17	2.00
May-2014	17.38	1.00
Jun-2014	16.23	0.00
Jul-2014	15.30	0.00
Aug-2014	15.50	0.00
Sep-2014	15.80	0.00
Oct-2014	14.00	0.00
Nov-2014	15.80	0.00
Dec-2014	98.94	0.00
Jan-2015	25.44	9.00
Feb-2015	55.50	12.00
Mar-2015	88.90	2.00
Apr-2015	15.00	0.00
May-2015	15.50	0.00
Jun-2015	15.00	0.00
Jul-2015	15.50	0.00
Aug-2015	113.06	2.00
Sep-2015	39.80	0.00
Oct-2015	17.08	0.00
Nov-2015	15.00	0.00
Dec-2015	181.50	0.00
Jan-2016	403.90	40.00
Feb-2016	373.36	65.00
Mar-2016	304.78	104.44
Apr-2016	126.00	60.00
May-2016	15.50	0.00
Jun-2016	85.80	0.00
Jul-2016	306.40	0.00
Aug-2016	357.00	0.00
Sep-2016	345.00	0.00
Oct-2016	356.50	0.00

Table 2A
Santa Anita Subarea Month Spreading
Santa Anita and Sierra Madre Spreading Grounds

Date	Sierra Madre Spreading Ground (unit:acre-feet)	Santa Anita Spreading Ground (unit:acre-feet)
Nov-2016	329.30	0.00
Dec-2016	35.60	0.00
Jan-2017	133.62	0.00
Feb-2017	81.20	0.00
Mar-2017	23.52	0.00
Apr-2017	15.00	0.00
May-2017	15.50	0.00
Jun-2017	15.00	0.00
Jul-2017	286.90	0.00
Aug-2017	356.50	0.00
Sep-2017	345.00	0.00
Oct-2017	117.80	0.00
Nov-2017	78.32	0.00
Dec-2017	15.50	0.00
Jan-2018	42.56	0.00
Feb-2018	37.80	0.00
Mar-2018	109.25	0.00
Apr-2018	130.74	0.00
May-2018	15.50	0.00
Jun-2018	294.50	0.00
Jul-2018	356.50	0.00
Aug-2018	356.50	0.00
Sep-2018	345.00	0.00
Oct-2018	15.50	0.00
Nov-2018	15.00	0.00
Dec-2018	93.30	0.00
Jan-2019	277.70	0.00
Feb-2019	516.60	74.00
Mar-2019	596.40	328.00
Apr-2019	141.00	219.00
May-2019	126.00	138.00
Jun-2019	36.70	74.00
Jul-2019	162.40	90.00
Aug-2019	356.10	1.00
Sep-2019	361.20	10.00
Oct-2019	356.70	10.00
Nov-2019	344.60	2.00
Dec-2019	70.00	51.00
Jan-2020	50.00	42.00
Feb-2020	42.40	44.00

Table 2A
Santa Anita Subarea Month Spreading
Santa Anita and Sierra Madre Spreading Grounds

Date	Sierra Madre Spreading Ground (unit:acre-feet)	Santa Anita Spreading Ground (unit:acre-feet)
Mar-2020	61.10	121.00
Apr-2020	160.00	330.00
May-2020	69.60	6.00
Jun-2020	272.70	0.00
Jul-2020	371.00	0.00
Aug-2020	359.60	0.00
Sep-2020	348.00	0.00
Oct-2020	359.60	0.00
Nov-2020	65.50	0.00
Dec-2020	23.40	0.00
Jan-2021	18.60	24.00
Feb-2021	11.40	0.00
Mar-2021	20.60	26.00
Apr-2021	68.60	23.00
May-2021	64.60	0.00
Jun-2021	67.30	0.00
Jul-2021	351.70	0.00
Aug-2021	366.20	0.00
Sep-2021	144.49	0.00
Oct-2021	361.80	37.00
Nov-2021	175.60	0.00
Dec-2021	57.50	0.00
Jan-2022	42.60	0.00
Feb-2022	24.60	94.00
Mar-2022	109.30	81.00
Apr-2022	144.30	0.00
May-2022	19.40	0.00
Jun-2022	48.40	0.00
Jul-2022	366.20	0.00
Aug-2022	359.70	20.00
Sep-2022	133.70	4.00
Oct-2022	344.40	3.00
Nov-2022	43.80	0.00
Dec-2022	31.00	3.00
Jan-2023	269.20	209.00
Feb-2023	163.40	15.00
Mar-2023	896.00	72.00
Apr-2023	449.00	361.00
May-2023	175.60	129.00
Jun-2023	100.00	175.00

Table 2A
Santa Anita Subarea Month Spreading
Santa Anita and Sierra Madre Spreading Grounds

Date	Sierra Madre Spreading Ground (unit:acre-feet)	Santa Anita Spreading Ground (unit:acre-feet)
Jul-2023	120.30	135.00
Aug-2023	307.70	212.00
Sep-2023	28.40	233.00
Oct-2023	0.00	267.00
Nov-2023	260.40	0.00
Dec-2023	379.40	0.00
Jan-2024	342.40	0.00
Feb-2024	326.10	87.00
Mar-2024	332.40	151.00
Apr-2024	167.40	429.00
May-2024	156.60	253.00
Jun-2024	189.80	117.00
Jul-2024	24.80	0.00
Aug-2024	63.60	169.00
Sep-2024	0.00	206.00
Oct-2024	122.80	160.00
Nov-2024	343.85	0.00
Dec-2024	324.00	0.00
Jan-2025	230.80	30.00
Feb-2025	6.30	97.00
Mar-2025	0.00	147.00
Apr-2025	183.10	65.00
May-2025	237.30	133.00
Jun-2025	272.10	55.00
Jul-2025	18.00	31.00
Aug-2025	0.00	0.00
Sep-2025	0.00	36.00
Oct-2025	279.50	108.00
Nov-2025	181.10	56.00
Dec-2025	32.00	199.00
Jan-2026	236.20	348.00
Feb-2026	164.85	198.00
Mar-2026	253.00	331.00
Apr-2026	340.50	214.00
May-2026	347.70	230.00
Jun-2026	171.60	156.00

Table 2B
Santa Anita Subarea Annual Spreading
Santa Anita and Sierra Madre Spreading Grounds

Fiscal Year	Sierra Madre Spreading Ground (unit:acre-feet)	Santa Anita Spreading Ground (unit:acre-feet)
FY2013-14	456.60	3.00
FY2014-15	390.68	23.00
FY2015-16	1,691.28	271.44
FY2016-17	2,013.64	0.00
FY2017-18	1,830.37	0.00
FY2018-19	2,876.20	833.00
FY2019-20	2,306.80	707.00
FY2020-21	1,778.20	73.00
FY2021-22	1,845.89	212.00
FY2022-23	3,332.00	991.00
FY2023-24	2,610.90	1,884.00
FY2024-25	1,808.65	1,062.00
FY2025-26	2,024.45	1,907.00
Total	24,965.66	7,966.44

ATTACHMENT A



City of Sierra Madre Public Works Department

November 20, 2015

Mr. Anthony Zampielo
Executive Officer
Raymond Basin Management Board
725 North Azusa Avenue
Azusa, CA 91702

Subject: City of Sierra Madre Request to Spread MWD Imported Water in the Santa Anita Subarea

Dear Mr. Zampielo:

At its October 21, 2015 meeting, the Raymond Basin Management Board (RBMB) discussed the Staff Report on the City of Sierra Madre's (Sierra Madre's) request to spread imported water at our Sierra Madre Spreading Grounds (S.G.) to help replenish the Santa Anita Subarea of the Raymond Basin in the vicinity of Sierra Madre's wells. Prior to that request, Sierra Madre staff had been meeting with City of Arcadia (Arcadia) staff and RBMB staff, as part of the Sierra Madre Arcadia Aquifer Recovery Team (SMAART), and has been provided information on the Sierra Madre replenishment proposal in conjunction with the SMAART meetings. The SMAART meetings have focused on data collection (static water levels, groundwater production water supply and groundwater replenishment) and development of a draft Santa Anita Subarea management plan. Despite significantly reduced groundwater production in the Santa Anita Subarea since October 2013, groundwater levels have only increased by about 35 feet to about elevation 380 feet above mean sea level (msl), as of the beginning of October 2015 at Sierra Madre's wellfield. The failure to achieve a greater increase in the static water level in the Santa Anita Subarea is partially the result of the on-going drought and the lack of stormwater runoff for groundwater replenishment. It is the goal of Sierra Madre, in cooperation with Arcadia and the RBMB, to have static groundwater levels in the Santa Anita Subarea return to, and be maintained, above elevation 500 feet msl to avoid potentially reduced pumping required by Section VI (3) of the Raymond Basin Judgment.

Sierra Madre recognizes significant additional information on the hydrogeology of the Santa Anita Subarea, and the fate of the replenished import water, is needed to fully understand the impacts (water levels and water quality) of our replenishment proposal. Therefore, Sierra Madre requests a Monitoring Program be developed, along with the following.

232 West Sierra Madre Boulevard, Sierra Madre, CA 91024 (626) 355-7135

1. The initial replenishment program will occur for up to 12 consecutive months (Pilot Program). At the end of those 12 months, Sierra Madre will temporarily discontinue the Pilot Program until such a time a report is prepared by Sierra Madre, distributed to all RBMB members and addressed at a regular RBMB quarterly meeting, or if necessary, at a special meeting of the RBMB. The RBMB will determine if the replenishment program may continue, and, if so, under what terms.
2. Collect additional data to augment the monthly data already collected by SMAART, as noted below. Particular emphasis should be placed on any water quality constituent in MWD treated imported water which exceeds the Regional Water Quality Control Board's (RWQCB's) Basin Plan Water Quality Objectives (WQOs) for the Santa Anita Subarea.
 - a. Water quality data of the treated water from Metropolitan Water District of Southern California's (MWD's) Weymouth Treatment Plant. (This information is already available from MWD.)
 - b. Water quality samples from each of Sierra Madre's production wells for at least Total Dissolved Solids (TDS) and Sulfate for the duration of the Pilot Program, and as needed following replenishment activities. These two constituents are known to exceed the RWQCB WQOs and are significantly higher than ambient Santa Anita Subarea groundwater quality. Water quality data should be used as a mechanism to identify the effectiveness of the Pilot Program to replenish the Santa Anita Subarea and the supply the Sierra Madre Wells.
 - c. Water quality samples from each of Arcadia's production wells for at least TDS and Sulfate for the duration of the Pilot Program, and as needed following replenishment activities.
 - d. Records from Sierra Madre of the amount of MWD imported water replenished, static water levels at each of its wells and groundwater production from each of its wells.
 - e. Records from Sierra Madre of the amount of stormwater, tunnel water, street runoff, and any other "local" water supply replenished in the Sierra Madre S.G.
3. Sierra Madre will organize the data collected (including data provided by SMAART and Arcadia) into a Program report on the results of the Pilot Program, including, but not limited to static water levels, flow direction and groundwater quality. The draft annual report is to be presented to the RBMB Board for review prior to any extension to the Pilot Program.
4. The RBMB is considering construction of up to three new monitoring wells within the Raymond Basin. It is requested that at least one of those monitoring wells be located in the Santa Anita Subarea. The location and construction details of any Santa Anita Subarea monitoring well(s) are to be mutually agreed upon by Sierra Madre, Arcadia and RBMB staff.
5. The data collected by Sierra Madre is to be shared with RBMB and Arcadia on a monthly basis. RBMB staff, Arcadia and Sierra Madre mutually agree on implementation of the Monitoring Plan.
6. Sierra Madre urges support of our plan to spread MWD imported water which is intended to improve the water supply and static water levels in the Santa Anita Subarea and to collect data as part of a Monitoring Program, in conjunction with the Pilot Program, to better understand the hydrogeology of the Santa Anita Subarea. Sierra Madre

acknowledges use of MWD imported water may impact the water quality in Sierra Madre's groundwater wells. Consequently, Sierra Madre reserves the right to request the Pilot Program be suspended due to water quality impacts prior to the conclusion.

Sierra Madre hereby supports the Sierra Madre Replenishment Program and fully understands the RBMB is coordinating implementation of this Replenishment Program for the benefit of Arcadia and Sierra Madre. Sierra Madre will not hold the RBMB responsible for any unforeseen negative impacts of this Replenishment Project.

Please feel free to contact me should you have any questions.

Sincerely,



Bruce Inman
Director of Public Works
City of Sierra Madre

ATTACHMENT B



City of Arcadia

Public Works Services Department

Tom Tait
Public Works Services Director

RECEIVED

JAN 11

RAYMOND BASIN MGMT BOARD

January 6, 2016

Mr. Anthony Zampielo
Executive Officer
Raymond Basin Management Board
725 North Azusa Avenue
Azusa, CA 91702

Subject: City of Sierra Madre Request to Spread MWD Imported Water in the Santa Anita Subarea

Dear Mr. Zampielo:

At its October 21, 2015 meeting, the Raymond Basin Management Board (RBMB) discussed the Staff Report on the City of Sierra Madre's (Sierra Madre's) request to spread imported water at its Sierra Madre Spreading Grounds (S.G.) to help replenish the Santa Anita Subarea of the Raymond Basin in the vicinity of Sierra Madre's wells. The City of Arcadia (Arcadia) staff has been meeting with Sierra Madre staff and RBMB staff, as part of the Sierra Madre Arcadia Aquifer Recovery Team (SMAART), and has been provided information on the Sierra Madre replenishment proposal in conjunction with the SMAART meetings. The SMAART meetings have focused on data collection (static water levels, groundwater production water supply and groundwater replenishment) and development of a draft Santa Anita Subarea management plan.

The City of Arcadia conditionally supports the replenishment proposal by Sierra Madre to spread MWD imported water. However, significant additional information on the hydrogeology of the Santa Anita Subarea, and the fate of the replenished MWD import water, is needed to fully understand the impacts (water levels and water quality) of the Sierra Madre replenishment proposal. Therefore, Arcadia requests a Monitoring Program be developed, along with the following.

1. The initial replenishment program will occur for up to 12 consecutive months (Pilot Program). At the end of those 12 months, Sierra Madre will temporarily discontinue the Pilot Program until such a time a report is prepared and presented to the Raymond Basin Pumping and Storage Committee and at a regular RBMB quarterly meeting, or if necessary, at a special meeting of the RBMB. The RBMB will determine if the replenishment program may continue, and, if so, under what terms.
2. Collect additional data to augment the monthly data already collected by SMAART, as noted below. Particular emphasis should be placed on any water quality constituent in the MWD treated imported water which exceeds the Regional Water Quality Control Board's (RWQCB's) Basin Plan Water Quality Objectives (WQOs) for the Santa Anita Subarea.

- a. Water quality data of the treated water from Metropolitan Water District of Southern California's (MWD's) Weymouth Treatment Plant. (This information is already available from MWD.)
 - b. Water quality samples from each of Sierra Madre's production wells for at least Total Dissolved Solids (TDS) and Sulfate for the duration of the Pilot Program, and as needed following replenishment activities. These two constituents are known to exceed the RWQCB WQOs and are significantly higher than ambient Santa Anita Subarea groundwater quality. Water quality data should be used as a mechanism to identify the effectiveness of the Pilot Program to replenish the Santa Anita Subarea and the supply for the Sierra Madre Wells.
 - c. Water quality samples from each of Arcadia's production wells for at least TDS and Sulfate for the duration of the Pilot Program, and as needed following replenishment activities.
 - d. Records from Sierra Madre of the amount of MWD imported water replenished; static water levels at each of its wells, and groundwater production from each of its wells.
 - e. Records from Sierra Madre of the amount of stormwater, tunnel water, street runoff, and any other "local" water supply replenished in the Sierra Madre S.G.
3. Raymond Basin staff and or engineer should organize the data collected (including data provided by SMAART and Arcadia) into a Program report on the results of the Pilot Program, including, but not limited to static water levels, flow direction and groundwater quality. The draft Program report is to be presented to the Pumping and Storage Committee and the RBMB for review prior to any extension to the Pilot Program.
4. The RBMB is considering construction of up to three new monitoring wells within the Raymond Basin. It is requested that at least one of those monitoring wells be located in the Santa Anita Subarea. The location and construction details of any Santa Anita Subarea monitoring well(s) are to be mutually agreed upon by Sierra Madre, Arcadia and RBMB staff.
5. The data collected by Raymond Basin staff is to be shared with RBMB and Arcadia on a monthly basis. RBMB staff, Arcadia and Sierra Madre mutually agree on implementation of the Monitoring Plan.
6. Arcadia is supportive of the plan by Sierra Madre to spread MWD imported water which is intended to improve the water supply and static water levels in the Santa Anita Subarea and to collect data as part of a Monitoring Program, in conjunction with the Pilot Program, to better understand the hydrogeology of the Santa Anita Subarea. Arcadia acknowledges use of MWD imported water may impact the water quality in Arcadia's groundwater wells. Consequently, Arcadia reserves the right to request the Pilot Program be suspended due to water quality impacts prior to the conclusion of the Pilot Program.

Arcadia hereby supports the Sierra Madre Replenishment Program and fully understands the RBMB is coordinating implementation of this Replenishment Program for the benefit of Arcadia and Sierra Madre. Arcadia will not hold the RBMB responsible for any unforeseen negative impacts of this Replenishment Program.

Please feel free to contact me should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Tom Tait", written in dark ink.

Tom Tait
Public Works Services Director

ATTACHMENT C

Summary of annual reports for the City of Sierra Madre Replenishment Program prepared and presented to the Raymond Basin Management Board (RBMB) since Fiscal Year 2017-18.

At its July 18, 2018 meeting, the RBMB Board directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2017-18. The Program Memorandum was discussed at the RBMB July 18, 2018 Board meeting at which time the City of Sierra Madre was authorized to continue the Third Year of the Pilot Program for the period July 1, 2018 through June 30, 2019.

At its July 17, 2019 meeting, the RBMB Board directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2018-19. The Program Memorandum was discussed at the RBMB July 17, 2019 Board meeting at which time the City of Sierra Madre was authorized to continue the Fourth Year of the Pilot Program for the period of July 1, 2019 through June 30, 2020.

At its July 15, 2020 meeting, the RBMB Board directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2019-20. The Program Memorandum was discussed at the RBMB July 15, 2020 Board meeting at which time the City of Sierra Madre was authorized to continue the Fifth Year of the Pilot Program for the period of July 1, 2020 through June 30, 2021.

At its July 21, 2021 meeting, the RBMB directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2020-21. The Program Memorandum was discussed at the RBMB July 21, 2021 Board meeting at which time the City of Sierra Madre was authorized to continue the Sixth Year of the Pilot Program for the period of July 1, 2021 through June 30, 2022.

At its July 20, 2022 meeting, the RBMB directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2021-22. The Program Memorandum was discussed at the RBMB July 20, 2022 Board meeting at which time the City of Sierra Madre was authorized to continue the Seventh Year of the Pilot Program for the period of July 1, 2022 through June 30, 2023.

At its July 19, 2023 meeting, the RBMB directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2022-23. The Program Memorandum was discussed at the RBMB October 18, 2023 Board meeting at which time the City of Sierra Madre was authorized to continue the Eighth Year of the Pilot Program for the period of July 1, 2023 through June 30, 2024.

At its July 17, 2024 meeting, the RBMB directed staff to prepare the "Summary of the City of Sierra Madre Replenishment Program for the Santa Anita Subarea" for Fiscal Year 2023-24. The Program Memorandum was discussed at the RBMB October 16, 2024 Board meeting at which time the City of Sierra Madre was authorized to continue the Ninth Year of the Pilot Program for the period of July 1, 2024 through June 30, 2025.

ATTACHMENT D

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
---------------	------------------------------	---------------------	--------------------------------

Orange Grove 1A

9/26/2013	604.35	259.00	345.35
10/30/2013	604.35	255.00	349.35
11/26/2013	604.35	251.00	353.35
12/19/2013	604.35	250.00	354.35
1/22/2014	604.35	246.00	358.35
2/20/2014	604.35	257.00	347.35
3/6/2014	604.35	245.01	359.34
4/2/2014	604.35	236.92	367.43
5/8/2014	604.35	231.43	372.92
6/5/2014	604.35	226.81	377.54
7/2/2014	604.35	221.48	382.8
8/7/2014	604.35	228.89	375.46
9/4/2014	604.35	228.84	375.51
10/2/2014	604.35	228.18	376.17
11/6/2014	604.35	228.69	375.66
12/4/2014	604.35	221.59	382.76
1/8/2015	604.35	213.79	390.56
2/5/2015	604.35	215.22	389.13
3/5/2015	604.35	224.63	379.72
4/2/2015	604.35	228.98	375.37
5/7/2015	604.35	232.66	371.69
6/4/2015	604.35	233.63	370.72
7/1/2015	604.35	229.23	375.12
8/6/2015	604.35	228.93	375.42
9/3/2015	604.35	227.69	376.66
10/1/2015	604.35	225.99	378.36
11/5/2015	604.35	226.04	378.31
12/3/2015	604.35	228.13	376.22
1/13/2016	604.35	230.09	374.26
2/3/2016	604.35	223.23	381.12
3/2/2016	604.35	224.49	379.86
4/6/2016	604.35	227.14	377.21
5/4/2016	604.35	225.76	378.59
6/1/2016	604.35	220.79	383.56
7/6/2016	604.35	234.38	369.97
8/3/2016	604.35	240.35	364.00
9/7/2016	604.35	238.90	365.45
10/5/2016	604.35	235.87	368.48
11/2/2016	604.35	235.51	368.84
12/7/2016	604.35	228.10	376.25
1/4/2017	604.35	223.50	380.85
2/1/2017	604.35	221.10	383.25
3/1/2017	604.35	219.24	385.11
4/5/2017	604.35	217.24	387.11
5/3/2017	604.35	222.70	381.65
6/7/2017	604.35	225.95	378.40
7/6/2017	604.35	230.04	374.31
8/2/2017	604.35	236.20	368.15
9/6/2017	604.35	230.60	373.75
10/4/2017	604.35	226.80	377.55
11/1/2017	604.35	218.90	385.45
12/7/2017	604.35	214.10	390.25
1/10/2018	604.35	211.25	393.10
2/7/2018	604.35	211.40	392.95
3/7/2018	604.35	211.55	392.80
4/4/2018	604.35	211.95	392.40
5/2/2018	604.35	219.40	384.95
6/6/2018	604.35	228.05	376.30
7/12/2018	604.35	234.55	369.80
8/1/2018	604.35	241.42	362.93
9/6/2018	604.35	241.02	363.33

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 2A

[illegible]

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 1A

10/3/2018	604.35	240.30	364.05
11/14/2018	604.35	236.30	368.05
12/5/2018	604.35	241.87	362.48
1/9/2019	604.35	238.52	365.83
2/6/2019	604.35	235.62	368.73
3/7/2019	604.35	235.25	369.10
4/3/2019	604.35	233.00	371.35
5/1/2019	604.35	228.55	375.80
6/5/2019	604.35	217.35	387.00
7/10/2019	604.35	223.20	381.15
8/7/2019	604.35	228.25	376.10
9/4/2019	604.35	228.98	375.37
10/2/2019	604.35	225.50	378.85
11/6/2019	604.35	222.60	381.75
12/3/2019	604.35	212.60	391.75
1/8/2020	604.35	193.60	410.75
2/5/2020	604.35	190.75	413.60
3/4/2020	604.35	187.93	416.42
4/8/2020	604.35	185.15	419.20
5/6/2020	604.35	184.90	419.45
6/3/2020	604.35	191.30	413.05
7/1/2020	604.35	195.80	408.55
8/5/2020	604.35	202.10	402.25
9/2/2020	604.35	206.40	397.95
10/7/2020	604.35	208.38	395.97
11/4/2020	604.35	205.50	398.85
12/2/2020	604.35	187.60	416.75
1/6/2021	604.35	181.60	422.75
2/3/2021	604.35	178.40	425.95
3/3/2021	604.35	188.50	415.85
4/7/2021	604.35	181.60	422.75
5/5/2021	604.35	188.80	415.55
6/2/2021	604.35	197.10	407.25
7/7/2021	604.35	209.90	394.45
8/4/2021	604.35	209.65	394.70
9/1/2021	604.35	211.60	392.75
10/6/2021	604.35	212.50	391.85
11/4/2021	604.35	208.10	396.25
12/1/2021	604.35	205.00	399.35
1/13/2022	604.35	191.40	412.95
2/2/2022	604.35	189.20	415.15
3/2/2022	604.35	187.89	416.46
4/6/2022	604.35	211.99	392.36
5/4/2022	604.35	218.59	385.76
6/1/2022	604.35	221.40	382.95
7/7/2022	604.35	209.29	395.06
8/3/2022	604.35	215.99	388.36
9/7/2022	604.35	216.90	387.45
10/5/2022	604.35	219.00	385.35
11/2/2022	604.35	215.20	389.15
1/4/2023	604.35	193.60	410.75
4/12/2023	604.35	183.25	421.10
5/3/2023	604.35	178.80	425.55
6/21/2023	604.35	174.30	430.05
7/12/2023	604.35	171.45	432.90
8/9/2023	604.35	170.40	433.95
9/13/2023	604.35	164.09	440.26
10/4/2023	604.35	160.59	443.76
11/22/2023	604.35	141.10	463.25
12/13/2023	604.35	138.79	465.56
1/17/2024	604.35	128.90	475.45

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 2A

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HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 1A

2/7/2024	604.35	122.57	481.78
3/6/2024	604.35	115.55	488.80
4/10/2024	604.35	110.93	493.42
5/8/2024	604.35	110.13	494.22
6/6/2024	604.35	106.41	497.94
7/17/2024	604.35	118.65	485.70
8/7/2024	604.35	107.00	497.35
9/12/2024	604.35	105.00	499.35
10/3/2024	604.35	109.90	494.45
11/7/2024	604.35	110.20	494.15
12/12/2024	604.35	107.90	496.45
1/29/2025	604.35	113.30	491.05
2/6/2025	604.35	111.30	493.05
3/6/2025	604.35	112.35	492.00
4/9/2025	604.35	113.00	491.35
5/9/2025	604.35	119.60	484.75
6/4/2025	604.35	114.40	489.95
7/1/2025	604.35	109.10	495.25
8/7/2025	604.35	121.70	482.65
9/4/2025	604.35	124.40	479.95
10/1/2025	604.35	127.00	477.35
11/5/2025	604.35	130.50	473.85
12/3/2025	604.35	127.00	477.35
1/7/2026	604.35	118.21	486.14
2/12/2026	604.35	111.55	492.80
3/11/2026	604.35	104.75	499.60
4/8/2026	604.35	107.20	497.15
5/13/2026	604.35	101.10	503.25
6/10/2026	604.35	99.20	505.15
7/9/2026	604.35	95.50	508.85

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 2A

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 4A

[illegible]

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 5

[illegible]

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 6

[illegible]

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Anoakia 1

9/26/2013	694.00	375.00	319.00
10/31/2013	694.00	366.00	328.00
11/26/2013	694.00	356.00	338.00
12/19/2013	694.00	358.00	336.00
1/22/2014	694.00	366.00	328.00
2/2/2014	694.00	381.00	313.00
3/6/2014	694.00	374.50	319.50
4/2/2014	694.00	374.50	319.50
5/8/2014	694.00	367.50	326.50
6/5/2014	694.00	331.50	362.50
7/2/2014	694.00	325.50	368.50
8/7/2014	694.00	322.80	371.20
9/4/2014	694.00	323.30	370.70
10/2/2014	694.00	320.00	374.00
11/6/2014	694.00	311.00	383.00
12/4/2014	694.00	305.00	389.00
1/8/2015	694.00	316.10	377.90
2/5/2015	694.00	323.20	370.80
3/5/2015	694.00	324.80	369.20
4/2/2015	694.00	329.00	365.00
5/7/2015	694.00	329.80	364.20
6/4/2015	694.00	329.90	364.10
7/1/2015	694.00	327.80	366.20
8/6/2015	694.00	326.90	367.10
9/3/2015	694.00	327.00	367.00
10/1/2015	694.00	326.00	368.00
11/5/2015	694.00	325.30	368.70
12/3/2015	694.00	322.00	372.00
1/13/2016	694.00	324.60	369.40
2/3/2016	694.00	316.80	377.20
3/2/2016	694.00	316.00	378.00
4/6/2016	694.00	317.26	376.74
5/4/2016	694.00	318.00	376.00
6/1/2016	694.00	315.00	379.00
7/6/2016	694.00	320.00	374.00
8/3/2016	694.00	322.00	372.00
9/7/2016	694.00	324.00	370.00
10/5/2016	694.00	324.00	370.00
11/2/2016	694.00	322.00	372.00
12/7/2016	694.00	322.00	372.00
1/4/2017	694.00	318.00	376.00
2/1/2017	694.00	317.10	376.90
3/1/2017	694.00	314.40	379.60
4/5/2017	694.00	311.00	383.00
5/1/2017	694.00	311.58	382.42
6/7/2017	694.00	310.00	384.00
7/6/2017	694.00	310.00	384.00
8/2/2017	694.00	311.00	383.00
9/6/2017	694.00	312.00	382.00
10/19/2017	694.00	318.00	376.00
11/1/2017	694.00	318.00	376.00
12/27/2017	694.00	314.00	380.00
1/10/2018	694.00	312.00	382.00
2/7/2018	694.00	310.75	383.25
3/7/2018	694.00	313.80	380.20
4/4/2018	694.00	310.71	383.29
5/2/2018	694.00	314.00	380.00
6/6/2018	694.00	317.90	376.10
7/12/2018	694.00	321.81	372.19
8/1/2018	694.00	320.52	373.48
9/6/2018	694.00	323.34	370.68

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 6

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Anoakia 1

10/3/2018	694.00	322.70	371.30
11/14/2018	694.00	324.92	369.08
12/5/2018	694.00	323.29	370.71
1/9/2019	694.00	322.22	371.78
2/6/2019	694.00	321.17	372.83
3/7/2019	694.00	319.01	374.99
4/3/2019	694.00	318.90	375.10
5/1/2019	694.00	316.10	377.90
6/5/2019	694.00	313.10	380.90
7/10/2019	694.00	314.04	379.96
8/7/2019	694.00	317.31	376.69
9/4/2019	694.00	317.00	377.00
10/2/2019	694.00	313.50	380.50
11/6/2019	694.00	315.71	378.29
12/3/2019	694.00	305.50	388.50
1/8/2020	694.00	291.00	403.00
2/5/2020	694.00	299.00	395.00
3/4/2020	694.00	297.00	397.00
4/8/2020	694.00	292.00	402.00
5/6/2020	694.00	292.00	402.00
6/3/2020	694.00	293.00	401.00
7/1/2020	694.00	298.26	395.74
8/5/2020	694.00	298.00	396.00
9/2/2020	694.00	299.50	394.50
10/7/2020	694.00	300.40	393.60
11/4/2020	694.00	300.30	393.70
12/2/2020	694.00	294.50	399.50
1/6/2021	694.00	293.24	400.76
2/3/2021	694.00	291.00	403.00
3/3/2021	694.00	289.20	404.80
4/7/2021	694.00	288.00	406.00
5/5/2021	694.00	289.00	405.00
6/2/2021	694.00	294.00	400.00
7/7/2021	694.00	299.60	394.40
8/4/2021	694.00	299.80	394.20
9/1/2021	694.00	301.50	392.50
10/6/2021	694.00	302.10	391.90
11/4/2021	694.00	302.00	392.00
12/1/2021	694.00	302.20	391.80
1/13/2022	694.00	296.10	397.90
2/2/2022	694.00	297.20	396.80
3/2/2022	694.00	296.70	397.30
4/6/2022	694.00	298.10	395.90
5/4/2022	694.00	299.15	394.85
6/1/2022	694.00	299.30	394.70
7/7/2022	694.00	297.50	396.50
8/3/2022	694.00	297.75	396.25
9/7/2022	694.00	298.10	395.90
10/5/2022	694.00	298.30	395.70
11/2/2022	694.00	297.45	396.55
12/7/2022	694.00	300.20	393.80
1/4/2023	694.00	301.70	392.30
2/8/2023	694.00	296.40	397.60
3/1/2023	694.00	290.10	403.90
4/12/2023	694.00	290.40	403.60
5/3/2023	694.00	290.65	403.35
6/21/2023	694.00	287.90	406.10
7/12/2023	694.00	282.15	411.85
8/9/2023	694.00	282.90	411.10
9/13/2023	694.00	270.69	423.31
10/4/2023	694.00	269.20	424.80

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Orange Grove 6

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Anoakia 1

11/22/2023	694.00	256.10	437.90
12/13/2023	694.00	255.49	438.51
1/17/2024	694.00	244.20	449.80
2/7/2024	694.00	237.00	457.00
3/6/2024	694.00	237.90	456.10
4/10/2024	694.00	230.30	463.70
5/8/2024	694.00	235.20	458.80
6/6/2024	694.00	237.00	457.00
7/17/2024	694.00	236.00	458.00
8/7/2024	694.00	236.00	458.00
9/12/2024	694.00	234.00	460.00
10/3/2024	694.00	235.30	458.70
11/7/2024	694.00	235.30	458.70
12/12/2024	694.00	236.80	457.20
1/29/2025	694.00	238.90	455.10
2/6/2025	694.00	239.00	455.00
3/6/2025	694.00	237.05	456.95
4/9/2025	694.00	239.00	455.00
5/9/2025	694.00	241.00	453.00
6/4/2025	694.00	241.30	452.70
7/1/2025	694.00	235.10	458.90
8/7/2025	694.00	236.30	457.70
9/4/2025	694.00	245.50	448.50
10/1/2025	694.00	247.10	446.90
11/5/2025	694.00	249.00	445.00
12/3/2025	694.00	244.20	449.80
1/7/2026	694.00	241.93	452.07
2/12/2026	694.00	237.35	456.65
3/11/2026	694.00	229.20	464.80
4/8/2026	694.00	226.20	467.80
5/13/2026	694.00	225.90	468.10
6/10/2026	694.00	225.40	468.60
7/9/2026	694.00	225.20	468.80

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chapman 6

3/6/2014	633.00	187.80	445.20
4/2/2014	633.00	189.39	443.61
5/8/2014	633.00	190.07	442.93
6/5/2014	633.00	190.23	442.77
7/2/2014	633.00	190.31	442.69
8/7/2014	633.00	189.29	443.71
9/4/2014	633.00	189.44	443.56
10/2/2014	633.00	189.57	443.43
11/6/2014	633.00	188.89	444.11
12/4/2014	633.00	188.29	444.71
1/8/2015	633.00	188.09	444.91
2/5/2015	633.00	191.01	441.99
3/5/2015	633.00	191.77	441.23
4/2/2015	633.00	192.53	440.47
5/7/2015	633.00	193.23	439.77
6/4/2015	633.00	193.33	439.67
7/1/2015	633.00	193.23	439.77
8/6/2015	633.00	193.66	439.34
9/3/2015	633.00	192.84	440.16
10/1/2015	633.00	193.95	439.05
11/5/2015	633.00	194.17	438.83
12/3/2015	633.00	193.54	439.46
1/13/2016	633.00	193.88	439.12
2/3/2016	633.00	192.61	440.39
3/2/2016	633.00	192.50	440.50
4/6/2016	633.00	192.68	440.32
5/4/2016	633.00	193.78	439.22
6/1/2016	633.00	193.35	439.65
7/6/2016	633.00	194.02	438.98
8/3/2016	633.00	194.33	438.67
9/7/2016	633.00	195.06	437.94
10/5/2016	633.00	195.45	437.55
11/2/2016	633.00	195.45	437.55
12/7/2016	633.00	195.75	437.25
1/4/2017	633.00	196.10	436.90
2/1/2017	633.00	195.60	437.40
3/1/2017	633.00	195.54	437.46
4/5/2017	633.00	195.55	437.45
5/3/2017	633.00	196.80	436.20
6/7/2017	633.00	197.60	435.40
7/6/2017	633.00	198.50	434.50
8/2/2017	633.00	198.82	434.18
9/6/2017	633.00	199.40	433.60
10/4/2017	633.00	199.00	434.00
11/1/2017	633.00	199.15	433.85
12/7/2017	633.00	199.95	433.05
1/10/2018	633.00	199.90	433.10
2/7/2018	633.00	199.25	433.75
3/7/2018	633.00	200.20	432.80
4/4/2018	633.00	199.00	434.00
5/2/2018	633.00	199.30	433.70
6/6/2018	633.00	199.80	433.20
7/12/2018	633.00	200.30	432.70
8/1/2018	633.00	199.74	433.26
9/6/2018	633.00	200.09	432.91

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chapman 7

9/26/2013	639.25	341.00	298.25
10/30/2013	639.25	310.00	329.25
11/26/2013	639.25	322.00	317.25
12/19/2013	639.25	320.00	319.25
1/22/2014	639.25	295.00	344.25
2/20/2014	639.25	326.00	313.25
3/6/2014	639.25	278.00	361.25
4/2/2014	639.25	316.08	323.17
5/8/2014	639.25	286.83	352.42
6/5/2014	639.25	308.33	330.92
7/2/2014	639.25	305.51	333.74
8/7/2014	639.25	267.54	371.71
9/4/2014	639.25	270.71	368.54
10/2/2014	639.25	263.84	375.41
11/6/2014	639.25	244.00	395.25
12/4/2014	639.25	238.34	400.91
1/8/2015	639.25	275.67	363.58
2/5/2015	639.25	306.68	332.57
3/5/2015	639.25	301.73	337.52
4/2/2015	639.25	302.91	336.34
5/7/2015	639.25	303.80	335.45
6/4/2015	639.25	314.36	324.89
7/1/2015	639.25	301.80	337.45
8/6/2015	639.25	315.78	323.47
9/3/2015	639.25	285.29	353.96
10/1/2015	639.25	286.64	352.61
11/5/2015	639.25	295.10	344.15
12/3/2015	639.25	269.51	369.74
1/13/2016	639.25	283.41	355.84
2/3/2016	639.25	251.60	387.65
3/2/2016	639.25	249.00	390.25
4/6/2016	639.25	249.88	389.37
5/4/2016	639.25	258.86	380.39
6/1/2016	639.25	248.83	390.42
7/6/2016	639.25	250.70	388.55
8/3/2016	639.25	254.00	385.25
9/7/2016	639.25	256.00	383.25
10/5/2016	639.25	257.00	382.25
11/2/2016	639.25	254.00	385.25
12/7/2016	639.25	254.00	385.25
2/1/2017	639.25	259.20	380.05
3/1/2017	639.25	242.00	397.25
4/5/2017	639.25	241.50	397.75
5/3/2017	639.25	245.00	394.25
6/7/2017	639.25	246.25	393.00
7/6/2017	639.25	248.25	391.00
8/2/2017	639.25	250.00	389.25
9/6/2017	639.25	259.45	379.80
10/4/2017	639.25	251.04	388.21
11/1/2017	639.25	256.80	382.45
12/7/2017	639.25	251.60	387.65
1/10/2018	639.25	250.80	388.45
2/7/2018	639.25	247.20	392.05
3/7/2018	639.25	307.85	331.40
4/4/2018	639.25	245.50	393.75
5/2/2018	639.25	248.40	390.85
6/6/2018	639.25	250.75	388.50
7/12/2018	639.25	252.80	386.45
8/1/2018	639.25	248.02	391.23
9/6/2018	639.25	251.17	388.08
10/3/2018	639.25	250.70	388.55

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chapman 6

10/3/2018	633.00	203.25	429.75
11/14/2018	633.00	201.92	431.08
12/5/2018	633.00	200.27	432.73
1/9/2019	633.00	199.97	433.03
2/6/2019	633.00	200.02	432.98
3/7/2019	633.00	198.85	434.15
4/3/2019	633.00	198.90	434.10
5/1/2019	633.00	198.95	434.05
6/5/2019	633.00	198.65	434.35
7/10/2019	633.00	198.15	434.85
8/7/2019	633.00	198.15	434.85
9/4/2019	633.00	199.43	433.57
10/2/2019	633.00	198.98	434.02
11/6/2019	633.00	198.45	434.55
12/3/2019	633.00	198.00	435.00
1/8/2020	633.00	197.00	436.00
2/5/2020	633.00	198.35	434.65
3/4/2020	633.00	198.40	434.60
4/8/2020	633.00	197.60	435.40
5/6/2020	633.00	197.64	435.36
6/3/2020	633.00	198.00	435.00
7/1/2020	633.00	198.20	434.80
8/5/2020	633.00	198.20	434.80
9/2/2020	633.00	198.60	434.40
10/7/2020	633.00	198.50	434.50
11/4/2020	633.00	198.70	434.30
12/2/2020	633.00	198.60	434.40
1/6/2021	633.00	198.50	434.50
2/3/2021	633.00	196.70	436.30
3/3/2021	633.00	198.13	434.87
4/7/2021	633.00	198.20	434.80
5/5/2021	633.00	197.10	435.90
6/2/2021	633.00	197.20	435.80
7/7/2021	633.00	197.10	435.90
8/4/2021	633.00	197.15	435.85
9/1/2021	633.00	197.20	435.80
10/6/2021	633.00	197.25	435.75
11/4/2021	633.00	197.30	435.70
12/1/2021	633.00	198.00	435.00
1/13/2022	633.00	196.30	436.70
2/2/2022	633.00	196.90	436.10
3/2/2022	633.00	196.32	436.68
4/6/2022	633.00	196.74	436.26
5/4/2022	633.00	196.90	436.10
6/1/2022	633.00	197.05	435.95
7/7/2022	633.00	196.39	436.61
8/3/2022	633.00	196.45	436.55
9/7/2022	633.00	197.20	435.80
10/5/2022	633.00	198.10	434.90
11/2/2022	633.00	198.20	434.80
12/7/2022	633.00	196.30	436.70
1/4/2023	633.00	195.70	437.30
2/8/2023	633.00	194.20	438.80
3/1/2023	633.00	195.40	437.60
4/12/2023	633.00	194.60	438.40
5/3/2023	633.00	193.70	439.30
6/21/2023	633.00	190.90	442.10
7/12/2023	633.00	187.45	445.55
8/9/2023	633.00	187.60	445.40
9/13/2023	633.00	189.15	443.85
10/4/2023	633.00	190.00	443.00

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chapman 7

11/14/2018	639.25	256.92	382.33
12/5/2018	639.25	249.22	390.03
1/9/2019	639.25	247.62	391.63
2/6/2019	639.25	246.84	392.41
3/7/2019	639.25	245.00	394.25
4/3/2019	639.25	245.95	393.30
5/1/2019	639.25	244.63	394.62
6/5/2019	639.25	244.25	395.00
7/10/2019	639.25	244.67	394.58
8/7/2019	639.25	247.00	392.25
9/4/2019	639.25	248.08	391.17
10/2/2019	639.25	244.18	395.07
11/6/2019	639.25	243.32	395.93
12/3/2019	639.25	239.05	400.20
1/8/2020	639.25	233.55	405.70
2/5/2020	639.25	240.10	399.15
3/4/2020	639.25	239.90	399.35
4/8/2020	639.25	235.40	403.85
5/6/2020	639.25	236.55	402.70
6/3/2020	639.25	237.10	402.15
7/1/2020	639.25	238.00	401.25
8/5/2020	639.25	238.40	400.85
9/2/2020	639.25	239.20	400.05
10/7/2020	639.25	239.30	399.95
11/4/2020	639.25	239.60	399.65
12/2/2020	639.25	237.90	401.35
1/6/2021	639.25	237.00	402.25
3/3/2021	639.25	232.30	406.95
4/7/2021	639.25	233.85	405.40
5/5/2021	639.25	231.30	407.95
6/2/2021	639.25	238.90	400.35
7/7/2021	639.25	233.10	406.15
8/4/2021	639.25	232.90	406.35
9/1/2021	639.25	235.50	403.75
10/6/2021	639.25	236.40	402.85
11/4/2021	639.25	236.50	402.75
12/1/2021	639.25	234.00	405.25
1/13/2022	639.25	231.30	407.95
2/2/2022	639.25	233.40	405.85
3/2/2022	639.25	229.49	409.76
4/6/2022	639.25	231.29	407.96
5/4/2022	639.25	232.15	407.10
6/1/2022	639.25	232.20	407.05
7/7/2022	639.25	237.24	402.01
8/3/2022	639.25	235.25	404.00
9/7/2022	639.25	238.60	400.65
10/5/2022	639.25	239.00	400.25
11/2/2022	639.25	238.70	400.55
12/7/2022	639.25	235.70	403.55
1/4/2023	639.25	232.95	406.30
2/8/2023	639.25	229.30	409.95
3/1/2023	639.25	229.00	410.25
4/12/2023	639.25	227.30	411.95
5/3/2023	639.25	225.90	413.35
6/21/2023	639.25	222.40	416.85
7/12/2023	639.25	220.85	418.40
8/9/2023	639.25	221.05	418.20
9/13/2023	639.25	223.29	415.96
10/4/2023	639.25	221.39	417.86
11/22/2023	639.25	219.10	420.15
12/13/2023	639.25	217.39	421.86

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chapman 6

11/22/2023	633.00	194.06	438.94
12/13/2023	633.00	193.49	439.51
1/17/2024	633.00	192.31	440.69
2/7/2024	633.00	191.55	441.45
3/6/2024	633.00	191.75	441.25
4/10/2024	633.00	190.74	442.26
5/8/2024	633.00	190.10	442.90
6/6/2024	633.00	189.65	443.35
7/17/2024	633.00	189.40	443.60
8/7/2024	633.00	189.20	443.80
9/12/2024	633.00	188.00	445.00
10/3/2024	633.00	187.85	445.15
11/7/2024	633.00	187.10	445.90
12/12/2024	633.00	185.70	447.30
1/29/2025	633.00	184.80	448.20
2/6/2025	633.00	184.70	448.30
3/6/2025	633.00	183.60	449.40
4/9/2025	633.00	183.40	449.60
5/9/2025	633.00	182.60	450.40
6/4/2025	633.00	182.40	450.60
7/1/2025	633.00	181.60	451.40
8/7/2025	633.00	181.00	452.00
9/4/2025	633.00	180.60	452.40
10/1/2025	633.00	167.50	465.50
11/5/2025	633.00	179.30	453.70
12/3/2025	633.00	179.10	453.90
1/7/2026	633.00	177.20	455.80
2/12/2026	633.00	176.35	456.65
3/11/2026	633.00	172.10	460.90
4/8/2026	633.00	174.75	458.25
5/13/2026	633.00	174.05	458.95
6/10/2026	633.00	173.30	459.70
7/9/2026	633.00	173.05	459.95

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chapman 7

1/17/2024	639.25	210.20	429.05
2/7/2024	639.25	206.48	432.77
3/6/2024	639.25	226.95	412.30
4/10/2024	639.25	204.40	434.85
5/8/2024	639.25	204.56	434.69
6/6/2024	639.25	204.45	434.80
7/17/2024	639.25	206.40	432.85
8/7/2024	639.25	213.30	425.95
9/12/2024	639.25	204.24	435.01
10/3/2024	639.25	205.47	433.78
11/7/2024	639.25	203.20	436.05
12/12/2024	639.25	200.75	438.50
1/29/2025	639.25	201.60	437.65
2/6/2025	639.25	202.40	436.85
3/6/2025	639.25	199.30	439.95
4/9/2025	639.25	201.40	437.85
5/9/2025	639.25	202.55	436.70
6/4/2025	639.25	202.70	436.55
7/1/2025	639.25	201.90	437.35
8/7/2025	639.25	203.00	436.25
9/4/2025	639.25	203.95	435.30
10/1/2025	639.25	204.90	434.35
11/5/2025	639.25	204.60	434.65
12/3/2025	639.25	201.20	438.05
1/7/2026	639.25	198.40	440.85
2/12/2026	639.25	196.37	442.88
3/11/2026	639.25	191.00	448.25
4/8/2026	639.25	193.10	446.15
5/13/2026	639.25	192.61	446.64
6/10/2026	639.25	193.30	445.95
7/9/2026	639.25	195.20	444.05

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Colorado

9/26/2013	583.00	287.00	296.00
10/30/2013	583.00	265.00	318.00
11/26/2013	583.00	269.00	314.00
12/19/2013	583.00	303.00	280.00
1/22/2014	583.00	267.00	316.00
2/20/2014	583.00	304.00	279.00
3/6/2014	583.00	314.45	268.55
4/2/2014	583.00	306.56	276.44
5/8/2014	583.00	295.78	287.22
6/5/2014	583.00	284.65	298.35
7/2/2014	583.00	274.15	308.85
8/7/2014	583.00	254.79	328.21
9/4/2014	583.00	253.80	329.20
10/2/2014	583.00	249.45	333.55
11/6/2014	583.00	215.51	367.49
12/4/2014	583.00	201.14	381.86
1/8/2015	583.00	251.99	331.01
2/5/2015	583.00	297.14	285.86
3/5/2015	583.00	324.68	258.32
4/2/2015	583.00	287.32	295.68
5/7/2015	583.00	289.21	293.79
6/4/2015	583.00	311.66	271.34
7/1/2015	583.00	301.47	281.53
8/6/2015	583.00	292.01	290.99
9/3/2015	583.00	288.61	294.39
10/1/2015	583.00	269.65	313.35
11/5/2015	583.00	267.04	315.96
12/3/2015	583.00	303.77	279.23
1/13/2016	583.00	254.69	328.31
2/3/2016	583.00	290.74	292.26
3/2/2016	583.00	276.37	306.63
4/6/2016	583.00	311.11	271.89
5/4/2016	583.00	257.65	325.35
6/1/2016	583.00	280.14	302.86
7/6/2016	583.00	286.18	296.82
8/3/2016	583.00	300.09	282.91
9/7/2016	583.00	301.35	281.65
10/5/2016	583.00	285.47	297.53
11/2/2016	583.00	307.40	275.60
12/7/2016	583.00	291.40	291.60
1/4/2017	583.00	271.45	311.55
2/1/2017	583.00	276.28	306.72
3/1/2017	583.00	272.00	311.00
4/5/2017	583.00	268.20	314.80
5/3/2017	583.00	250.40	332.60
6/7/2017	583.00	241.59	341.41
7/6/2017	583.00	284.25	298.75
8/2/2017	583.00	290.23	292.77
9/6/2017	583.00	294.60	288.40
10/4/2017	583.00	280.85	302.15
11/1/2017	583.00	272.10	310.90
12/7/2017	583.00	276.70	306.30
1/10/2018	583.00	249.00	334.00
2/7/2018	583.00	260.50	322.50
3/7/2018	583.00	274.85	308.15
4/4/2018	583.00	278.75	304.25
5/2/2018	583.00	275.90	307.10
6/6/2018	583.00	279.65	303.35
7/12/2018	583.00	280.27	302.73
8/1/2018	583.00	281.80	301.20
9/6/2018	583.00	303.83	279.17

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Hugo Reid 01

9/26/2013	588.00	187.00	401.00
10/30/2013	588.00	185.00	403.00
11/26/2013	588.00	185.00	403.00
12/19/2013	588.00	183.00	405.00
1/22/2014	588.00	183.00	405.00
2/20/2014	588.00	183.00	405.00
3/6/2014	588.00	178.90	409.10
4/2/2014	588.00	183.34	404.66
5/8/2014	588.00	195.43	392.57
6/5/2014	588.00	193.37	394.63
7/2/2014	588.00	183.37	404.63
8/7/2014	588.00	179.55	408.45
9/4/2014	588.00	180.79	407.21
10/2/2014	588.00	179.27	408.73
11/6/2014	588.00	175.05	412.95
12/4/2014	588.00	173.26	414.74
1/8/2015	588.00	177.86	410.14
2/5/2015	588.00	183.76	404.24
3/5/2015	588.00	183.38	404.62
4/2/2015	588.00	185.22	402.78
5/7/2015	588.00	186.13	401.87
6/4/2015	588.00	186.91	401.09
7/1/2015	588.00	186.14	401.86
8/6/2015	588.00	185.78	402.22
9/3/2015	588.00	186.08	401.92
10/1/2015	588.00	184.37	403.63
11/5/2015	588.00	185.36	402.64
12/3/2015	588.00	181.19	406.81
1/13/2016	588.00	182.32	405.68
2/3/2016	588.00	176.50	411.50
3/2/2016	588.00	177.00	411.00
4/6/2016	588.00	178.74	409.26
5/4/2016	588.00	180.01	407.99
6/1/2016	588.00	177.97	410.03
7/6/2016	588.00	180.67	407.33
8/3/2016	588.00	181.43	406.57
9/7/2016	588.00	182.15	405.85
10/5/2016	588.00	183.03	404.97
11/2/2016	588.00	182.28	405.72
12/7/2016	588.00	182.04	405.96
1/4/2017	588.00	181.64	406.36
2/1/2017	588.00	179.84	408.16
3/1/2017	588.00	178.44	409.56
4/5/2017	588.00	179.44	408.56
5/3/2017	588.00	182.00	406.00
6/7/2017	588.00	183.24	404.76
7/6/2017	588.00	183.89	404.11
8/2/2017	588.00	184.70	403.30
9/6/2017	588.00	185.44	402.56
10/4/2017	588.00	182.88	405.12
11/1/2017	588.00	183.80	404.20
1/10/2018	588.00	184.17	403.83
2/7/2018	588.00	182.04	405.96
3/7/2018	588.00	185.64	402.36
4/4/2018	588.00	180.19	407.81
5/2/2018	588.00	181.74	406.26
6/6/2018	588.00	183.16	404.84
7/12/2018	588.00	184.04	403.96
8/1/2018	588.00	180.94	407.06
9/6/2018	588.00	181.34	406.66
10/3/2018	588.00	181.84	406.16

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Colorado

10/3/2018	583.00	287.15	295.85
11/14/2018	583.00	257.02	325.98
12/5/2018	583.00	295.57	287.43
1/9/2019	583.00	275.65	307.35
2/6/2019	583.00	271.09	311.91
3/7/2019	583.00	293.95	289.05
4/3/2019	583.00	269.02	313.98
5/1/2019	583.00	264.33	318.67
6/5/2019	583.00	295.00	288.00
7/10/2019	583.00	303.77	279.23
8/7/2019	583.00	308.00	275.00
9/4/2019	583.00	300.50	282.50
10/2/2019	583.00	280.00	303.00
11/6/2019	583.00	303.50	279.50
12/3/2019	583.00	232.80	350.20
1/8/2020	583.00	184.00	399.00
2/5/2020	583.00	296.75	286.25
3/4/2020	583.00	293.00	290.00
4/8/2020	583.00	256.00	327.00
5/6/2020	583.00	285.43	297.57
6/3/2020	583.00	290.00	293.00
7/1/2020	583.00	299.12	283.88
8/5/2020	583.00	304.50	278.50
9/2/2020	583.00	305.32	277.68
10/7/2020	583.00	309.20	273.80
11/4/2020	583.00	291.80	291.20
12/2/2020	583.00	302.20	280.80
1/6/2021	583.00	305.30	277.70
2/3/2021	583.00	298.00	285.00
3/3/2021	583.00	299.15	283.85
4/7/2021	583.00	300.00	283.00
5/5/2021	583.00	301.20	281.80
6/2/2021	583.00	292.50	290.50
7/7/2021	583.00	296.50	286.50
8/4/2021	583.00	303.50	279.50
9/1/2021	583.00	305.90	277.10
10/6/2021	583.00	298.10	284.90
11/4/2021	583.00	302.40	280.60
12/1/2021	583.00	305.00	278.00
1/13/2022	583.00	307.80	275.20
2/2/2022	583.00	306.10	276.90
3/2/2022	583.00	303.15	279.85
4/6/2022	583.00	301.09	281.91
5/4/2022	583.00	295.49	287.51
6/1/2022	583.00	294.09	288.91
7/7/2022	583.00	299.30	283.70
8/3/2022	583.00	297.89	285.11
9/7/2022	583.00	300.80	282.20
10/5/2022	583.00	296.15	286.85
11/2/2022	583.00	300.60	282.40
12/7/2022	583.00	303.50	279.50
1/4/2023	583.00	315.30	267.70
2/8/2023	583.00	301.60	281.40
3/1/2023	583.00	281.10	301.90
4/12/2023	583.00	285.90	297.10
5/3/2023	583.00	292.40	290.60
6/21/2023	583.00	295.60	287.40
7/12/2023	583.00	296.95	286.05
8/9/2023	583.00	298.20	284.80
9/13/2023	583.00	162.60	420.40
10/4/2023	583.00	152.70	430.30

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Hugo Reid 01

11/14/2018	588.00	184.34	403.66
12/5/2018	588.00	180.94	407.06
1/9/2019	588.00	180.37	407.63
2/6/2019	588.00	179.74	408.26
3/7/2019	588.00	179.09	408.91
4/3/2019	588.00	179.54	408.46
5/1/2019	588.00	178.87	409.13
6/5/2019	588.00	179.89	408.11
7/10/2019	588.00	179.47	408.53
8/7/2019	588.00	181.24	406.76
9/4/2019	588.00	180.89	407.11
10/2/2019	588.00	179.17	408.83
11/6/2019	588.00	178.12	409.88
12/3/2019	588.00	176.07	411.93
1/8/2020	588.00	173.69	414.31
2/5/2020	588.00	178.28	409.72
3/4/2020	588.00	178.34	409.66
4/8/2020	588.00	175.45	412.55
5/6/2020	588.00	175.68	412.32
6/3/2020	588.00	176.22	411.78
7/1/2020	588.00	176.54	411.46
8/5/2020	588.00	176.31	411.69
9/2/2020	588.00	175.34	412.66
10/7/2020	588.00	175.04	412.96
11/4/2020	588.00	175.24	412.76
12/2/2020	588.00	176.54	411.46
1/6/2021	588.00	177.44	410.56
2/3/2021	588.00	177.44	410.56
3/3/2021	588.00	177.00	411.00
4/7/2021	588.00	178.04	409.96
5/5/2021	588.00	177.54	410.46
6/2/2021	588.00	177.64	410.36
7/7/2021	588.00	177.64	410.36
8/4/2021	588.00	177.74	410.26
9/1/2021	588.00	177.80	410.20
10/6/2021	588.00	177.90	410.10
11/4/2021	588.00	177.74	410.26
12/1/2021	588.00	177.65	410.35
1/13/2022	588.00	176.34	411.66
2/2/2022	588.00	176.54	411.46
3/2/2022	588.00	177.08	410.92
4/6/2022	588.00	178.00	410.00
5/4/2022	588.00	178.93	409.07
6/1/2022	588.00	179.78	408.22
7/7/2022	588.00	177.90	410.10
8/3/2022	588.00	177.95	410.05
9/7/2022	588.00	178.15	409.85
10/5/2022	588.00	178.20	409.80
11/2/2022	588.00	179.10	408.90
12/7/2022	588.00	174.50	413.50
1/4/2023	588.00	174.00	414.00
2/8/2023	588.00	173.60	414.40
3/1/2023	588.00	169.40	418.60
4/12/2023	588.00	169.00	419.00
5/3/2023	588.00	168.75	419.25
6/21/2023	588.00	166.80	421.20
7/12/2023	588.00	163.92	424.08
8/9/2023	588.00	164.05	423.95
9/13/2023	588.00	164.20	423.80
10/4/2023	588.00	164.70	423.30
11/22/2023	588.00	165.10	422.90

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Colorado

11/22/2023	583.00	156.10	426.90
12/13/2023	583.00	144.29	438.71
1/17/2024	583.00	127.95	455.05
2/7/2024	583.00	125.54	457.46
3/6/2024	583.00	117.10	465.90
4/10/2024	583.00	117.40	465.60
5/8/2024	583.00	198.70	384.30
6/6/2024	583.00	242.20	340.80
7/17/2024	583.00	241.80	341.20
8/7/2024	583.00	239.04	343.96
9/12/2024	583.00	240.95	342.05
10/3/2024	583.00	240.37	342.63
11/7/2024	583.00	245.30	337.70
12/12/2024	583.00	263.10	319.90
1/29/2025	583.00	247.70	335.30
2/6/2025	583.00	250.80	332.20
3/6/2025	583.00	227.50	355.50
4/9/2025	583.00	217.10	365.90
5/9/2025	583.00	258.45	324.55
6/4/2025	583.00	228.00	355.00
7/1/2025	583.00	148.00	435.00
8/7/2025	583.00	259.60	323.40
9/4/2025	583.00	255.21	327.79
10/1/2025	583.00	261.60	321.40
11/5/2025	583.00	262.00	321.00
12/3/2025	583.00	258.70	324.30
1/7/2026	583.00	249.45	333.55
2/12/2026	583.00	240.82	342.18
3/11/2026	583.00	234.30	348.70
4/8/2026	583.00	238.05	344.95
5/13/2026	583.00	239.13	343.87
6/10/2026	583.00	241.56	341.44
7/9/2026	583.00	239.25	343.75

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Hugo Reid 01

12/13/2023	588.00	163.39	424.61
1/17/2024	588.00	160.72	427.28
2/7/2024	588.00	158.34	429.66
3/6/2024	588.00	162.90	425.10
4/10/2024	588.00	157.94	430.06
5/8/2024	588.00	157.52	430.48
6/6/2024	588.00	157.17	430.83
7/17/2024	588.00	158.27	429.73
8/7/2024	588.00	159.02	428.98
9/12/2024	588.00	153.90	434.10
10/3/2024	588.00	156.42	431.58
11/7/2024	588.00	152.50	435.50
12/12/2024	588.00	151.60	436.40
1/29/2025	588.00	152.20	435.80
2/6/2025	588.00	152.20	435.80
3/6/2025	588.00	149.42	438.58
4/9/2025	588.00	150.80	437.20
5/9/2025	588.00	151.50	436.50
6/4/2025	588.00	151.30	436.70
7/1/2025	588.00	150.80	437.20
8/7/2025	588.00	151.50	436.50
9/4/2025	588.00	151.63	436.37
10/1/2025	588.00	152.30	435.70
11/5/2025	588.00	151.10	436.90
12/3/2025	588.00	148.70	439.30
1/7/2026	588.00	146.30	441.70
2/12/2026	588.00	145.20	442.80
3/11/2026	588.00	144.55	443.45
4/8/2026	588.00	143.47	444.53
5/13/2026	588.00	143.29	444.71
6/10/2026	588.00	144.82	443.18
7/9/2026	588.00	146.05	441.95

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Rancho 6

9/26/2013	586.80	127.00	459.80
10/30/2013	586.80	127.00	459.80
11/26/2013	586.80	127.00	459.80
12/19/2013	586.80	127.00	459.80
1/22/2014	586.80	127.00	459.80
2/20/2014	586.80	127.00	459.80
3/6/2014	586.80	126.50	460.30
4/2/2014	586.80	127.63	459.17
5/8/2014	586.80	127.66	459.14
6/5/2014	586.80	127.62	459.18
7/2/2014	586.80	127.62	459.18
8/7/2014	586.80	127.62	459.18
9/4/2014	586.80	127.63	459.17
10/2/2014	586.80	127.63	459.17
11/6/2014	586.80	127.64	459.16
12/4/2014	586.80	127.66	459.14
1/8/2015	586.80	127.66	459.14
2/5/2015	586.80	127.65	459.15
3/5/2015	586.80	127.76	459.04
4/2/2015	586.80	127.76	459.04
5/7/2015	586.80	127.79	459.01
6/4/2015	586.80	127.80	459.00
7/1/2015	586.80	127.80	459.00
8/6/2015	586.80	127.80	459.00
9/3/2015	586.80	126.72	460.08
10/1/2015	586.80	127.76	459.04
11/5/2015	586.80	127.75	459.05
12/3/2015	586.80	127.78	459.02
1/13/2016	586.80	127.77	459.03
2/3/2016	586.80	127.81	458.99
3/2/2016	586.80	127.66	459.14
4/6/2016	586.80	127.66	459.14
5/4/2016	586.80	127.69	459.11
6/1/2016	586.80	127.68	459.12
7/6/2016	586.80	127.77	459.03
8/3/2016	586.80	127.68	459.12
9/7/2016	586.80	127.68	459.12
10/5/2016	586.80	127.69	459.11
11/2/2016	586.80	127.63	459.17
12/7/2016	586.80	127.64	459.16
1/4/2017	586.80	127.65	459.15
2/1/2017	586.80	127.65	459.15
3/1/2017	586.80	127.80	459.00
4/5/2017	586.80	127.65	459.15
5/3/2017	586.80	127.65	459.15
6/7/2017	586.80	127.66	459.14
7/6/2017	586.80	127.65	459.15
8/2/2017	586.80	127.65	459.15
9/6/2017	586.80	127.64	459.16
10/4/2017	586.80	127.65	459.15
11/1/2017	586.80	127.70	459.10
12/7/2017	586.80	127.75	459.05
1/10/2018	586.80	127.70	459.10
2/7/2018	586.80	127.70	459.10
3/7/2018	586.80	127.71	459.09
4/4/2018	586.80	127.71	459.09
5/2/2018	586.80	127.72	459.08
6/6/2018	586.80	127.71	459.09
7/12/2018	586.80	127.69	459.11
8/1/2018	586.80	127.92	458.88
9/6/2018	586.80	127.95	458.85

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chelsea

9/26/2013	562.00	124.00	438.00
10/30/2013	562.00	125.00	437.00
11/26/2013	562.00	125.00	437.00
12/19/2013	562.00	124.00	438.00
1/22/2014	562.00	125.00	437.00
2/20/2014	562.00	126.00	436.00
3/6/2014	562.00	126.44	435.56
4/2/2014	562.00	126.46	435.54
5/8/2014	562.00	126.47	435.53
6/5/2014	562.00	126.11	435.89
7/2/2014	562.00	125.81	436.19
8/7/2014	562.00	125.74	436.26
9/4/2014	562.00	125.64	436.36
10/2/2014	562.00	125.75	436.25
11/6/2014	562.00	125.61	436.39
12/4/2014	562.00	125.42	436.58
1/8/2015	562.00	124.89	437.11
2/5/2015	562.00	124.06	437.94
3/5/2015	562.00	125.31	436.69
4/2/2015	562.00	125.37	436.63
5/7/2015	562.00	125.61	436.39
6/4/2015	562.00	125.78	436.22
7/1/2015	562.00	126.04	435.96
8/6/2015	562.00	126.27	435.73
9/3/2015	562.00	125.39	436.61
10/1/2015	562.00	126.65	435.35
11/5/2015	562.00	127.10	434.90
12/3/2015	562.00	126.98	435.02
1/13/2016	562.00	127.43	434.57
2/3/2016	562.00	127.74	434.26
3/2/2016	562.00	127.74	434.26
4/6/2016	562.00	127.70	434.30
5/4/2016	562.00	127.87	434.13
6/1/2016	562.00	127.75	434.25
7/6/2016	562.00	128.11	433.89
8/3/2016	562.00	128.27	433.73
9/7/2016	562.00	128.90	433.10
10/5/2016	562.00	129.24	432.76
11/2/2016	562.00	129.50	432.50
12/7/2016	562.00	129.48	432.52
1/4/2017	562.00	129.20	432.80
2/1/2017	562.00	128.71	433.29
3/1/2017	562.00	128.87	433.13
4/5/2017	562.00	128.09	433.91
5/3/2017	562.00	127.81	434.19
6/7/2017	562.00	127.71	434.29
7/6/2017	562.00	127.70	434.30
8/2/2017	562.00	127.87	434.13
9/6/2017	562.00	128.10	433.90
10/4/2017	562.00	128.27	433.73
11/1/2017	562.00	127.87	434.13
12/7/2017	562.00	127.40	434.60
1/10/2018	562.00	126.75	435.25
2/7/2018	562.00	126.55	435.45
3/7/2018	562.00	126.25	435.75
4/4/2018	562.00	126.36	435.64
5/2/2018	562.00	126.70	435.30
6/6/2018	562.00	127.30	434.70
7/12/2018	562.00	128.07	433.93
8/1/2018	562.00	128.69	433.31
9/6/2018	562.00	129.42	432.58

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Rancho 6

10/3/2018	586.80	127.00	459.80
11/14/2018	586.80	128.02	458.78
12/5/2018	586.80	128.03	458.77
1/9/2019	586.80	128.12	458.68
2/6/2019	586.80	128.28	458.52
3/7/2019	586.80	127.41	459.39
4/3/2019	586.80	127.41	459.39
5/1/2019	586.80	127.43	459.37
6/5/2019	586.80	127.41	459.39
7/10/2019	586.80	127.44	459.36
8/7/2019	586.80	127.05	459.75
9/4/2019	586.80	127.96	458.84
10/2/2019	586.80	127.98	458.82
11/6/2019	586.80	127.78	459.02
12/3/2019	586.80	128.00	458.80
1/8/2020	586.80	127.78	459.02
2/5/2020	586.80	127.78	459.02
3/4/2020	586.80	127.78	459.02
4/8/2020	586.80	127.78	459.02
5/6/2020	586.80	127.77	459.03
6/3/2020	586.80	127.78	459.02
7/1/2020	586.80	127.78	459.02
8/5/2020	586.80	127.80	459.00
9/2/2020	586.80	127.80	459.00
10/7/2020	586.80	127.80	459.00
11/4/2020	586.80	127.80	459.00
12/2/2020	586.80	127.80	459.00
1/6/2021	586.80	127.80	459.00
2/3/2021	586.80	126.00	460.80
3/3/2021	586.80	128.00	458.80
4/7/2021	586.80	127.90	458.90
5/5/2021	586.80	127.90	458.90
6/2/2021	586.80	127.80	459.00
7/7/2021	586.80	127.90	458.90
8/4/2021	586.80	128.00	458.80
9/1/2021	586.80	127.90	458.90
10/6/2021	586.80	128.00	458.80
11/4/2021	586.80	128.00	458.80
12/1/2021	586.80	128.10	458.70
1/13/2022	586.80	127.20	459.60
2/2/2022	586.80	127.90	458.90
3/2/2022	586.80	127.80	459.00
4/6/2022	586.80	126.89	459.91
5/4/2022	586.80	126.91	459.89
6/1/2022	586.80	126.95	459.85
7/7/2022	586.80	127.10	459.70
8/3/2022	586.80	128.00	458.80
9/7/2022	586.80	128.05	458.75
10/5/2022	586.80	128.03	458.77
11/2/2022	586.80	127.90	458.90
12/7/2022	586.80	128.00	458.80
1/4/2023	586.80	128.00	458.80
2/8/2023	586.80	127.95	458.85
3/1/2023	586.80	128.00	458.80
4/12/2023	586.80	128.00	458.80
5/3/2023	586.80	128.00	458.80
6/21/2023	586.80	128.00	458.80
7/12/2023	586.80	128.00	458.80
8/9/2023	586.80	128.00	458.80
9/13/2023	586.80	128.00	458.80
10/4/2023	586.80	128.02	458.78

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chelsea

10/3/2018	562.00	128.75	433.25
11/14/2018	562.00	129.96	432.04
12/5/2018	562.00	129.75	432.25
1/9/2019	562.00	130.00	432.00
2/6/2019	562.00	130.45	431.55
3/7/2019	562.00	129.68	432.32
4/3/2019	562.00	129.84	432.16
5/1/2019	562.00	129.55	432.45
6/5/2019	562.00	128.55	433.45
7/10/2019	562.00	127.37	434.63
8/7/2019	562.00	126.35	435.65
9/4/2019	562.00	126.66	435.34
10/2/2019	562.00	126.27	435.73
11/6/2019	562.00	125.10	436.90
12/3/2019	562.00	124.13	437.87
1/8/2020	562.00	121.77	440.23
2/5/2020	562.00	120.50	441.50
3/4/2020	562.00	119.10	442.90
4/8/2020	562.00	117.58	444.42
5/6/2020	562.00	116.65	445.35
6/3/2020	562.00	116.11	445.89
7/1/2020	562.00	115.70	446.30
8/5/2020	562.00	115.00	447.00
9/2/2020	562.00	115.40	446.60
10/7/2020	562.00	113.30	448.70
11/4/2020	562.00	112.60	449.40
12/2/2020	562.00	112.20	449.80
1/6/2021	562.00	109.90	452.10
2/4/2021	562.00	109.63	452.37
3/3/2021	562.00	108.95	453.05
4/7/2021	562.00	108.70	453.30
5/6/2021	562.00	109.25	452.75
6/2/2021	562.00	109.20	452.80
7/7/2021	562.00	110.30	451.70
8/4/2021	562.00	111.00	451.00
9/1/2021	562.00	111.85	450.15
10/6/2021	562.00	112.40	449.60
11/4/2021	562.00	112.75	449.25
12/1/2021	562.00	113.00	449.00
1/13/2022	562.00	112.00	450.00
2/2/2022	562.00	111.55	450.45
3/2/2022	562.00	110.09	451.91
4/6/2022	562.00	111.09	450.91
5/4/2022	562.00	111.59	450.41
6/1/2022	562.00	112.69	449.31
7/7/2022	562.00	113.04	448.96
8/3/2022	562.00	113.25	448.75
9/7/2022	562.00	114.90	447.10
10/5/2022	562.00	115.10	446.90
11/2/2022	562.00	115.00	447.00
12/7/2022	562.00	114.30	447.70
1/4/2023	562.00	113.60	448.40
2/8/2023	562.00	112.70	449.30
3/1/2023	562.00	112.15	449.85
4/12/2023	562.00	110.75	451.25
5/3/2023	562.00	109.30	452.70
6/21/2023	562.00	105.05	456.95
7/12/2023	562.00	102.90	459.10
8/9/2023	562.00	100.18	461.82
9/13/2023	562.00	97.15	464.85
10/4/2023	562.00	95.44	466.56

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Rancho 6

11/22/2023	586.80	127.80	459.00
12/13/2023	586.80	127.84	458.96
1/17/2024	586.80	127.81	458.99
2/7/2024	586.80	127.83	458.97
3/6/2024	586.80	127.81	458.99
4/10/2024	586.80	127.81	458.99
5/8/2024	586.80	127.81	458.99
6/6/2024	586.80	127.80	459.00
7/17/2024	586.80	127.80	459.00
8/7/2024	586.80	127.83	458.97
9/12/2024	586.80	128.00	458.80
10/3/2024	586.80	127.83	458.97
11/7/2024	586.80	127.85	458.95
12/12/2024	586.80	128.00	458.80
1/29/2025	586.80	128.00	458.80
2/6/2025	586.80	127.00	459.80
3/6/2025	586.80	127.10	459.70
4/9/2025	586.80	128.00	458.80
5/9/2025	586.80	128.10	458.70
6/4/2025	586.80	128.00	458.80
7/1/2025	586.80	128.00	458.80
8/7/2025	586.80	128.20	458.60
9/4/2025	586.80	128.20	458.60
10/1/2025	586.80	128.60	458.20
11/5/2025	586.80	127.60	459.20
12/3/2025	586.80	127.00	459.80
1/7/2026	586.80	127.87	458.93
2/12/2026	586.80	127.45	459.35
3/11/2026	586.80	127.88	458.92
4/8/2026	586.80	126.43	460.37
5/13/2026	586.80	126.44	460.36
6/10/2026	586.80	127.45	459.35
7/9/2026	586.80	127.45	459.35

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Chelsea

11/22/2023	562.00	91.50	470.50
12/13/2023	562.00	89.98	472.02
1/17/2024	562.00	86.29	475.71
2/7/2024	562.00	83.17	478.83
3/6/2024	562.00	78.75	483.25
4/10/2024	562.00	74.23	487.77
5/8/2024	562.00	71.08	490.92
6/6/2024	562.00	67.60	494.40
7/17/2024	562.00	63.07	498.93
8/7/2024	562.00	60.95	501.05
9/12/2024	562.00	59.10	502.90
10/3/2024	562.00	59.29	502.71
11/7/2024	562.00	59.40	502.60
12/12/2024	562.00	58.60	503.40
1/29/2025	562.00	58.00	504.00
2/6/2025	562.00	57.60	504.40
3/6/2025	562.00	57.11	504.89
4/9/2025	562.00	57.70	504.30
5/9/2025	562.00	58.20	503.80
6/4/2025	562.00	56.40	505.60
7/1/2025	562.00	56.10	505.90
8/7/2025	562.00	58.60	503.40
9/4/2025	562.00	59.60	502.40
10/1/2025	562.00	61.50	500.50
11/5/2025	562.00	61.95	500.05
12/3/2025	562.00	62.40	499.60
1/7/2026	562.00	61.70	500.30
2/12/2026	562.00	60.10	501.90
3/11/2026	562.00	58.83	503.17
4/8/2026	562.00	56.25	505.75
5/13/2026	562.00	54.06	507.94
6/10/2026	562.00	51.98	510.02
7/9/2026	562.00	50.15	511.85

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Baldwin

9/6/2018	734.00	362.49	371.51
10/3/2018	734.00	359.50	374.50
11/14/2018	734.00	363.98	370.02
12/5/2018	734.00	362.94	371.06
1/9/2019	734.00	362.27	371.73
2/6/2019	734.00	360.73	373.27
3/7/2019	734.00	358.25	375.75
4/3/2019	734.00	358.27	375.73
5/1/2019	734.00	355.50	378.50
6/5/2019	734.00	351.20	382.80
7/10/2019	734.00	352.10	381.90
8/7/2019	734.00	355.69	378.31
9/4/2019	734.00	355.00	379.00
10/2/2019	734.00	352.00	382.00
11/6/2019	734.00	353.80	380.20
12/3/2019	734.00	346.39	387.61
1/8/2020	734.00	332.43	401.57
2/5/2020	734.00	335.80	398.20
3/4/2020	734.00	333.45	400.55
4/8/2020	734.00	328.42	405.58
5/6/2020	734.00	328.26	405.74
6/3/2020	734.00	329.89	404.11
7/1/2020	734.00	332.67	401.33
8/5/2020	734.00	336.25	397.75
9/2/2020	734.00	338.00	396.00
10/7/2020	734.00	338.80	395.20
11/4/2020	734.00	338.90	395.10
12/2/2020	734.00	332.35	401.65
1/6/2021	734.00	327.60	406.40
2/3/2021	734.00	325.10	408.90
3/3/2021	734.00	323.10	410.90
4/7/2021	734.00	325.40	408.60
5/5/2021	734.00	326.40	407.60
6/2/2021	734.00	332.10	401.90
7/7/2021	734.00	339.70	394.30
8/4/2021	734.00	342.40	391.60
9/1/2021	734.00	342.00	392.00
10/6/2021	734.00	342.50	391.50
11/4/2021	734.00	341.40	392.60
12/1/2021	734.00	340.20	393.80
1/13/2022	734.00	330.20	403.80
2/2/2022	734.00	343.10	390.90
3/2/2022	734.00	328.29	405.71
4/6/2022	734.00	337.79	396.21
5/4/2022	734.00	343.29	390.71
6/1/2022	734.00	347.14	386.86
7/7/2022	734.00	342.84	391.16
8/3/2022	734.00	343.60	390.40
9/7/2022	734.00	342.30	391.70
10/5/2022	734.00	346.40	387.60
11/2/2022	734.00	344.60	389.40
12/7/2022	734.00	336.00	398.00
1/4/2023	734.00	332.00	402.00
2/8/2023	734.00	329.70	404.30
3/1/2023	734.00	330.70	403.30
4/12/2023	734.00	324.40	409.60
5/3/2023	734.00	321.30	412.70
6/21/2023	734.00	317.30	416.70
7/12/2023	734.00	316.40	417.60
8/9/2023	734.00	315.70	418.30
9/13/2023	734.00	306.22	427.78

HISTORIC WATER LEVELS AT ARCADIA WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Baldwin

10/4/2023	734.00	304.40	429.60
11/22/2023	734.00	293.25	440.75
12/13/2023	734.00	289.79	444.21
1/17/2024	734.00	280.20	453.80
2/7/2024	734.00	273.75	460.25
3/6/2024	734.00	271.40	462.60
4/10/2024	734.00	264.11	469.89
5/8/2024	734.00	266.43	467.57
6/6/2024	734.00	266.25	467.75
7/17/2024	734.00	264.07	469.93
8/7/2024	734.00	264.10	469.90
9/12/2024	734.00	252.75	481.25
10/3/2024	734.00	264.35	469.65
11/7/2024	734.00	265.30	468.70
12/12/2024	734.00	267.90	466.10
1/29/2025	734.00	265.60	468.40
2/6/2025	734.00	265.60	468.40
3/6/2025	734.00	265.10	468.90
4/9/2025	734.00	268.20	465.80
5/9/2025	734.00	269.30	464.70
6/4/2025	734.00	268.90	465.10
7/1/2025	734.00	264.10	469.90
8/7/2025	734.00	271.80	462.20
9/4/2025	734.00	275.56	458.44
10/1/2025	734.00	277.85	456.15
11/5/2025	734.00	278.95	455.05
12/3/2025	734.00	275.00	459.00
1/7/2026	734.00	270.24	463.76
2/12/2026	734.00	265.60	468.40
3/11/2026	734.00	260.65	473.35
4/8/2026	734.00	247.60	486.40
5/13/2026	734.00	256.98	477.02
6/10/2026	734.00	256.41	477.59
7/9/2026	734.00	255.60	478.40

HISTORIC WATER LEVELS AT SIERRA MADRE WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 3

9/17/2013	707.10	369.00	338.10
10/30/2013	707.10	361.00	346.10
11/15/2013	707.10	358.00	349.10
12/15/2013	707.10	355.00	352.10
1/16/2014	707.10	354.00	353.10
2/17/2014	707.10	355.60	351.50
3/6/2014	707.10	350.23	356.87
3/21/2014	707.10	346.20	360.90
4/2/2014	707.10	345.15	361.95
5/8/2014	707.10	336.14	370.96
6/5/2014	707.10	331.27	375.83
7/2/2014	707.10	324.69	382.41
8/7/2014	707.10	328.11	378.99
9/4/2014	707.10	328.39	378.71
10/2/2014	707.10	328.34	378.76
11/6/2014	707.10	327.43	379.67
12/4/2014	707.10	323.22	383.88
1/8/2015	707.10	317.80	389.30
2/5/2015	707.10	319.08	388.02
3/5/2015	707.10	321.08	386.02
4/2/2015	707.10	325.33	381.77
5/7/2015	707.10	327.87	379.23
6/4/2015	707.10	327.06	380.04
7/1/2015	707.10	325.57	381.53
8/6/2015	707.10	325.72	381.38
9/3/2015	707.10	325.04	382.06
10/1/2015	707.10	324.37	382.73
11/5/2015	707.10	326.08	381.02
12/3/2015	707.10	324.97	382.13
1/13/2016	707.10	335.71	371.39
2/3/2016	707.10	327.65	379.45
3/2/2016	707.10	323.96	383.14
4/6/2016	707.10	323.60	383.50
5/4/2016	707.10	322.80	384.30
6/1/2016	707.10	321.47	385.63
7/6/2016	707.10	335.58	371.52
8/3/2016	707.10	340.17	366.93
9/7/2016	707.10	337.65	369.45
10/5/2016	707.10	333.84	373.26
11/2/2016	707.10	330.60	376.50
12/7/2016	707.10	324.10	383.00
1/4/2017	707.10	320.90	386.20
2/1/2017	707.10	320.65	386.45
3/1/2017	707.10	316.40	390.70
4/5/2017	707.10	314.84	392.26
5/3/2017	707.10	317.35	389.75
6/7/2017	707.10	324.63	382.47
7/6/2017	707.10	329.90	377.20
8/2/2017	707.10	336.60	370.50
9/6/2017	707.10	332.20	374.90
10/4/2017	707.10	329.33	377.77
11/1/2017	707.10	321.80	385.30
12/7/2017	707.10	319.00	388.10
1/4/2018	707.10	319.00	388.10
2/7/2018	707.10	319.80	387.30
3/7/2018	707.10	319.55	387.55
4/4/2018	707.10	319.45	387.65
5/2/2018	707.10	333.70	373.40
6/6/2018	707.10	340.15	366.95
7/12/2018	707.10	337.00	370.10
8/1/2018	707.10	340.02	367.08

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 4

9/17/2013	703.50	366.00	337.50
10/30/2013	703.50	359.00	344.50
11/15/2013	703.50	356.00	347.50
12/15/2013	703.50	352.00	351.50
1/16/2014	703.50	352.00	351.50
2/17/2014	703.50	353.50	350.00
3/6/2014	703.50	348.85	354.65
3/21/2014	703.50	344.20	359.30
4/2/2014	703.50	343.87	359.63

HISTORIC WATER LEVELS AT SIERRA MADRE WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 3

9/6/2018	707.10	346.47	360.63
10/3/2018	707.10	332.00	375.10
11/14/2018	707.10	338.22	368.88
12/5/2018	707.10	340.02	367.08
1/9/2019	707.10	342.07	365.03
2/6/2019	707.10	339.87	367.23
3/7/2019	707.10	333.05	374.05
4/3/2019	707.10	329.30	377.80
5/3/2019	707.10	325.80	381.30
6/5/2019	707.10	317.70	389.40
7/10/2019	707.10	322.10	385.00
8/7/2019	707.10	328.90	378.20
9/4/2019	707.10	329.00	378.10
10/2/2019	707.10	323.00	384.10
11/6/2019	707.10	322.20	384.90
12/3/2019	707.10	316.25	390.85
1/8/2020	707.10	297.80	409.30
2/5/2020	707.10	296.90	410.20
3/4/2020	707.10	295.00	412.10
4/7/2020	707.10	291.90	415.20
5/6/2020	707.10	292.00	415.10
6/3/2020	707.10	291.55	415.55
7/1/2020	707.10	293.50	413.60
8/5/2020	707.10	297.95	409.15
9/2/2020	707.10	301.30	405.80
10/7/2020	707.10	304.40	402.70
11/4/2020	707.10	301.20	405.90
12/2/2020	707.10	296.70	410.40
1/6/2021	707.10	292.20	414.90
2/3/2021	707.10	295.30	411.80
3/3/2021	707.10	294.80	412.30
4/7/2021	707.10	294.10	413.00
5/5/2021	707.10	296.10	411.00
6/3/2021	707.10	302.80	404.30
7/7/2021	707.10	315.25	391.85
8/4/2021	707.10	312.95	394.15
9/1/2021	707.10	313.15	393.95
10/6/2021	707.10	311.05	396.05
11/4/2021	707.10	307.10	400.00
12/1/2021	707.10	308.50	398.60
1/5/2022	707.10	298.30	408.80
2/2/2022	707.10	294.90	412.20
3/2/2022	707.10	295.04	412.06
4/6/2022	707.10	309.09	398.01
5/4/2022	707.10	317.20	389.90
6/1/2022	707.10	321.20	385.90
7/7/2022	707.10	318.70	388.40
8/3/2022	707.10	315.70	391.40
9/7/2022	707.10	317.30	389.80
10/5/2022	707.10	315.80	391.30
11/2/2022	707.10	316.30	390.80
12/7/2022	707.10	302.20	404.90
1/4/2023	707.10	299.30	407.80
2/8/2023	707.10	296.50	410.60
3/1/2023	707.10	294.90	412.20
4/5/2023	707.10	283.80	423.30
5/3/2023	707.10	273.20	433.90
6/7/2023	707.10	270.50	436.60
7/12/2023	707.10	269.00	438.10
8/9/2023	707.10	268.68	438.42
9/12/2023	707.10	271.00	436.10

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 4

HISTORIC WATER LEVELS AT SIERRA MADRE WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 3

10/4/2023	707.10	258.40	448.70
11/22/2023	707.10	256.55	450.55
12/13/2023	707.10	247.39	459.71
1/10/2024	707.10	235.00	472.10
2/9/2024	707.10	226.55	480.55
3/6/2024	707.10	216.50	490.60
4/10/2024	707.10	211.00	496.10
5/9/2024	707.10	211.00	496.10
6/6/2024	707.10	207.30	499.80
7/10/2024	707.10	206.13	500.97
8/7/2024	707.10	203.40	503.70
9/11/2024	707.10	205.65	501.45
10/3/2024	707.10	210.00	497.10
11/7/2024	707.10	213.40	493.70
12/12/2024	707.10	209.80	497.30
1/16/2025	707.10	207.77	499.33
2/6/2025	707.10	207.24	499.86
3/6/2025	707.10	213.35	493.75
4/9/2025	707.10	219.30	487.80
5/7/2025	707.10	220.60	486.50
6/4/2025	707.10	215.50	491.60
7/3/2025	707.10	216.60	490.50
8/7/2025	707.10	223.00	484.10
9/4/2025	707.10	228.70	478.40
10/1/2025	707.10	232.80	474.30
11/5/2025	707.10	238.70	468.40
12/3/2025	707.10	213.40	493.70
1/7/2026	707.10	221.20	485.90
2/12/2026	707.10	214.20	492.90
3/11/2026	707.10	207.40	499.70
4/8/2026	707.10	203.19	503.91
5/7/2026	707.10	200.50	506.60
6/10/2026	707.10	200.70	506.40
7/9/2026	707.10	199.35	507.75

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 4

HISTORIC WATER LEVELS AT SIERRA MADRE WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 5

9/17/2013	707.00	367.00	340.00
10/30/2013	707.00	360.00	347.00
11/15/2013	707.00	357.00	350.00
12/15/2013	707.00	355.00	352.00
1/16/2014	707.00	353.00	354.00
2/17/2014	707.00	354.50	352.50
3/6/2014	707.00	351.67	355.33
3/21/2014	707.00	345.50	361.50
4/2/2014	707.00	346.38	360.62

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Sierra Madre 6

9/17/2013	684.60	345.00	339.60
10/30/2013	684.60	338.00	346.60
11/15/2013	684.60	335.00	349.60
12/15/2013	684.60	334.00	350.60
1/16/2014	684.60	332.00	352.60
2/17/2014	684.60	334.10	350.50
3/6/2014	684.60	327.59	357.01
3/21/2014	684.60	323.30	361.30
4/2/2014	684.60	322.01	362.59

HISTORIC WATER LEVELS AT KINNELOA IRRIGATION DISTRICT WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Shaw

[illegible]

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Wilcox 1/

04/01/12	874.90	456.20	418.70
10/01/12	874.90	450.80	424.10
04/01/13	874.90	459.40	415.50
10/01/13	874.90	463.90	411.00
3/6/2014	874.90	460.19	414.71
4/2/2014	874.90	459.18	415.72
5/8/2014	874.90	460.98	413.92
6/5/2014	874.90	462.02	412.88
7/2/2014	874.90	462.98	411.92
8/7/2014	874.90	464.24	410.66
9/4/2014	874.90	464.88	410.02
10/2/2014	874.90	464.08	410.82
11/6/2014	874.90	463.53	411.37
12/4/2014	874.90	462.86	412.04
1/8/2015	874.90	462.03	412.87
2/5/2015	874.90	461.76	413.14
3/5/2015	874.90	461.99	412.91
4/2/2015	874.90	462.35	412.55
5/7/2015	874.90	464.21	410.69
6/4/2015	874.90	465.32	409.58
7/1/2015	874.90	466.16	408.74
8/6/2015	874.90	467.62	407.28
9/3/2015	874.90	469.18	405.72
10/1/2015	874.90	469.60	405.30
11/5/2015	874.90	471.11	403.79
12/3/2015	874.90	470.76	404.14
1/13/2016	874.90	471.11	403.79
2/3/2016	874.90	471.11	403.79
3/2/2016	874.90	471.32	403.58
4/6/2016	874.90	471.47	403.43
5/4/2016	874.90	471.19	403.71
6/1/2016	874.90	471.46	403.44
7/6/2016	874.90	472.03	402.87
8/3/2016	874.90	472.78	402.12
9/7/2016	874.90	472.88	402.02
10/5/2016	874.90	473.31	401.59
11/2/2016	874.90	473.88	401.02
12/7/2016	874.90	476.50	398.40
1/4/2017	874.90	476.80	398.10
2/1/2017	874.90	476.40	398.50
3/1/2017	874.90	476.50	398.40
4/5/2017	874.90	476.07	398.83
5/3/2017	874.90	476.70	398.20
6/7/2017	874.90	477.30	397.60
7/6/2017	874.90	477.80	397.10
8/2/2017	874.90	478.63	396.27
9/6/2017	874.90	479.12	395.78
10/4/2017	874.90	479.26	395.64
11/1/2017	874.90	479.37	395.53
12/7/2017	874.90	480.38	394.52
1/4/2018	874.90	480.20	394.70
2/7/2018	874.90	480.00	394.90
3/7/2018	874.90	477.00	397.90
4/4/2018	874.90	476.75	398.15
5/2/2018	874.90	476.75	398.15
6/6/2018	874.90	477.00	397.90
7/12/2018	874.90	477.25	397.65
8/1/2018	874.90	475.00	399.90
9/6/2018	874.90	475.25	399.65
10/3/2018	874.90	475.25	399.65
11/14/2018	874.90	474.00	400.90

HISTORIC WATER LEVELS AT KINNELOA IRRIGATION DISTRICT WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Shaw

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Wilcox 1/

12/5/2018	874.90	473.00	401.90
1/9/2019	874.90	471.25	403.65
2/6/2019	874.90	470.00	404.90
3/7/2019	874.90	469.25	405.65
4/3/2019	874.90	468.25	406.65
5/1/2019	874.90	467.50	407.40
6/5/2019	874.90	468.00	406.90
7/10/2019	874.90	468.50	406.40
8/7/2019	874.90	469.00	405.90
9/4/2019	874.90	469.10	405.80
10/2/2019	874.90	467.00	407.90
11/6/2019	874.90	466.50	408.40
12/3/2019	874.90	465.50	409.40
1/8/2020	874.90	462.00	412.90
2/5/2020	874.90	463.00	411.90
3/4/2020	874.90	463.50	411.40
4/8/2020	874.90	462.00	412.90
5/6/2020	874.90	466.50	408.40
6/3/2020	874.90	462.00	412.90
7/1/2020	874.90	467.50	407.40
8/6/2020	874.90	464.00	410.90
9/2/2020	874.90	463.50	411.40
10/7/2020	874.90	463.00	411.90
11/4/2020	874.90	462.00	412.90
12/2/2020	874.90	462.00	412.90
1/6/2021	874.90	462.00	412.90
2/3/2021	874.90	461.70	413.20
3/3/2021	874.90	461.00	413.90
4/7/2021	874.90	460.00	414.90
5/5/2021	874.90	460.00	414.90
6/2/2021	874.90	459.00	415.90
7/7/2021	874.90	459.00	415.90
8/4/2021	874.90	459.50	415.40
9/1/2021	874.90	463.50	411.40
10/6/2021	874.90	459.50	415.40
11/4/2021	874.90	458.50	416.40
12/1/2021	874.90	457.50	417.40
1/5/2022	874.90	456.50	418.40
2/2/2022	874.90	455.10	419.80
3/2/2022	874.90	455.90	419.00
4/6/2022	874.90	453.70	421.20
5/4/2022	874.90	455.10	419.80
6/1/2022	874.90	455.10	419.80
7/7/2022	874.90	456.50	418.40
10/5/2022	874.90	458.00	416.90
11/2/2022	874.90	456.50	418.40
12/7/2022	874.90	453.50	421.40
1/4/2023	874.90	451.00	423.90
2/8/2023	874.90	452.40	422.50
3/1/2023	874.90	451.10	423.80
4/5/2023	874.90	450.60	424.30
5/3/2023	874.90	450.90	424.00
6/7/2023	874.90	447.30	427.60
7/12/2023	874.90	448.15	426.75
8/9/2023	874.90	449.90	425.00
9/13/2023	874.90	450.10	424.80
10/4/2023	874.90	450.90	424.00
11/22/2023	874.90	450.70	424.20
12/13/2023	874.90	454.00	420.90
1/10/2024	874.90	448.30	426.60
2/7/2024	874.90	446.10	428.80

HISTORIC WATER LEVELS AT KINNELOA IRRIGATION DISTRICT WELLS

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Shaw

Date Measured	Reference Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
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Wilcox 1/

3/7/2024	874.90	445.35	429.55
4/10/2024	874.90	442.60	432.30
5/9/2024	874.90	441.60	433.30
6/6/2024	874.90	441.10	433.80
7/10/2024	874.90	442.10	432.80
8/7/2024	874.90	445.10	429.80
9/11/2024	874.90	446.70	428.20
10/3/2024	874.90	446.10	428.80
11/7/2024	874.90	449.10	425.80
12/12/2024	874.90	449.90	425.00
1/27/2025	874.90	446.85	428.05
2/7/2025	874.90	446.70	428.20
3/6/2025	874.90	445.20	429.70
4/9/2025	874.90	443.40	431.50
5/9/2025	874.90	440.00	434.90
6/4/2025	874.90	444.00	430.90
7/3/2025	874.90	444.00	430.90
8/7/2025	874.90	445.00	429.90
9/4/2025	874.90	446.60	428.30
10/1/2025	874.90	449.50	425.40
11/5/2025	874.90	449.00	425.90
12/3/2025	874.90	444.50	430.40
1/7/2026	874.90	442.94	431.96
2/12/2026	874.90	438.70	436.20
3/11/2026	874.90	440.00	434.90
4/8/2026	874.90	439.80	435.10
5/7/2026	874.90	440.50	434.40
6/10/2026	874.90	443.00	431.90
7/9/2026	874.90	439.00	435.90

NOTES:

1/ Depth to water measurements collected for SMAART Program from 03/06/14 to 11/02/16 adjusted according to DWR semi-annual readings starting from April 2014.