Salinas Valley Groundwater Basin
Forebay Aquifer Subbasin
Water Year 2024 Annual Report
Submitted in Support of Groundwater Sustainability Plan Implementation

Salinas Valley Basin
Groundwater Sustainability Agency

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ABBREVIATIONS AND ACRONYMS

AEM..................airborne electromagnetic
AF ....acre-feet
AF/yr.................acre-feet per year
ASCMA ....Arroyo Seco Cone Management Area
ASGSA ....Arroyo Seco Groundwater Sustainability Agency
CCRWQCB.......Central Coast Regional Water Quality Control Board
CCWC..............Clark Colony Water Company
cfs......................cubic feet per second
COC(s) ....Constituent(s) of concern
CSIP ....Castroville Seawater Intrusion Project
DDW.................Division of Drinking Water
DMS..................Data Management System
DWR ....California Department of Water Resources
D-TAC ....Drought Operations Technical Advisory Committee
eWRIMS ....Electronic Water Rights Information Management System
FY ....Fiscal Year
GDE ....Groundwater Dependent Ecosystem
GEMS ....Groundwater Extraction Management System
GSA...................Groundwater Sustainability Agency
GSP or Plan.......Groundwater Sustainability Plan
GTAC................Groundwater Technical Advisory Committee
HCM ....Hydrogeologic Conceptual Model
HOA..................Home Owner Association
InSAR ....Interferometric Synthetic-Aperture Radar
ILRP..................Irrigated Lands Regulatory Program
ISW ....interconnected surface water
MCL..................Maximum Contaminant Level
MCWRA...........Monterey County Water Resources Agency
mg/L..................milligrams per liter
MOU ....Memorandum of Understanding
NOAA...............National Oceanographic and Atmospheric Administration
RCA(s) ....Recommended Corrective Action(s)
RCD ....Resource Conservation District of Monterey County
RMS ....Representative Monitoring Site
SGMA...............Sustainable Groundwater Management Act
SMC ....Sustainable Management Criteria/Criterion
SMCL................Secondary Maximum Contaminant Level
SRDF.................Salinas River Diversion Facility
Subbasin............Salinas Valley Forebay Aquifer Subbasin

SVBGSA...........Salinas Valley Basin Groundwater Sustainability Agency
SVIHM..............Salinas Valley Integrated Hydrologic Model
SWRCB.............State Water Resources Control Board
ug/L...................micrograms per liter
UMHOS/CM.....micromhos per centimeter
WAC.................Water Awareness Committee
WY....................Water Year

EXECUTIVE SUMMARY

Following the Salinas Valley Basin Groundwater Sustainability Agency's (SVBGSA) 2022 adoption and submittal of its Groundwater Sustainability Plan (GSP or Plan), the Sustainable Groundwater Management Act (SGMA) requires the SVBGSA—together with the Arroyo Seco Groundwater Sustainability Agency (ASGSA)—to submit an annual report for the Salinas Valley Forebay Aquifer Subbasin (Forebay Subbasin or Subbasin) each year by April 1 to the California Department of Water Resources (DWR). This Annual Report summarizes data collected in Water Year (WY) 2024 from October 1, 2023, to September 30, 2024. On April 27, 2023, DWR approved the Forebay Subbasin GSP with 7 Recommended Corrective Actions (RCAs).

As described in the GSP, DWR designated the Subbasin as medium priority. The Forebay Subbasin GSP aims to balance the needs of all water users in the Subbasin while complying with SGMA.

In WY 2024, a series of winter storms brought precipitation higher than the historical average for the second consecutive year. WY 2024 is classified as a wet-normal year.

The groundwater data for WY 2024 are summarized below:

- Groundwater extraction for WY 2024 were approximately 118,150 acre-feet (AF).
- Groundwater elevations rose in 27 of the 37 Representative Monitoring Site (RMS) wells. On average, groundwater elevations rose by approximately 0.7 feet throughout the Subbasin during this wet water year, ranging from -2.2 to 2.8 feet. In relation to the GSP Sustainable Management Criteria (SMC), 30 RMS wells had groundwater elevations above their measurable objectives and 7 wells had elevations between their measurable objectives and minimum thresholds.
- Groundwater in storage increased in WY 2024 and was above the measurable objective by approximately 54,000 AF.
- There were 8 groundwater quality constituents of concern (COCs) that exceeded their minimum thresholds in WY 2024; none of them were determined to be due to Groundwater Sustainability Agency (GSA) groundwater management action or inaction. SVBGSA is in the process of assessing the relationship between groundwater quality and extraction, and plans to include the analysis in the GSP 2027 Periodic Evaluation.
- No subsidence was detected in the Subbasin.

- Two shallow wells used to monitor interconnected surface water (ISW) show groundwater elevations above the measurable objectives and 1 had an elevation between the minimum threshold and the measurable objective.

As a result, the Forebay Subbasin had no undesirable results in WY 2024.

The SVBGSA and ASGSA have taken numerous actions to implement the GSP. These include the following:

- **General Administration – GSA Policies and Operations:** General administrative activities and meetings continued throughout the year. SVBGSA enhanced budget and financial reporting through a revised format and initiated a Groundwater Sustainability Fee 5-year evaluation. With the SGM Round 2 Implementation Grant for the Salinas Valley, grant administration also became a key focus.
- **Interested Parties Coordination and Outreach:** SVBGSA and ASGSA continued to regularly engage interested parties through the Forebay Subbasin Implementation Committee and Advisory Committee, and through coordination with partner agencies. In addition, SVBGSA increased efforts to reach out to domestic well owners by initiating the Dry Well Notification Program and contributing to the Water Awareness Committee (WAC) to disseminate information and resources about domestic water conservation. SVBGSA also held 5 Valley-wide workshops on Our Water Future in the Salinas Valley geared towards the general public.
- **Data Expansion and SGMA Compliance:** SVBGSA, ASGSA, and partner agencies focused on filling data gaps to establish a strong basis for planning. Main workstreams included MCWRA beginning desktop data collection for a Well Registration Program, MCWRA development of a Groundwater Monitoring Program, and adoption of Ordinance 5246 in October 2024. SVBGSA continued to work with the Central Coast Wetlands Group (CCWG) to complete a Groundwater Dependent Ecosystem (GDE) Identification and GDE Monitoring Standard Operating Procedure. SVBGSA updated the hydrogeologic conceptual model (HCM) of the Subbasin with new data, and completed the Salinas Valley Deep Aquifers Study.

- **Projects and Management Actions:** SVBGSA and ASGSA continued to move forward with several actions that support groundwater sustainability. This year, SVBGSA convened the SMC Technical Advisory Committee for the Forebay and Upper Valley Subbasins, continued to partner with FlowWest to assess groundwater benefits of the Salinas River Stream Maintenance Program, held Valley-wide demand management workshops, and supported irrigation efficiency through partnering with the University of California Cooperative Extension and other local agencies. ASGSA completed an inventory of rural well water quality. MCWRA continued to develop the Salinas River Operations Habitat Conservation Plan.

1 INTRODUCTION

1.1 Purpose

The 2014 California Sustainable Groundwater Management Act (SGMA) requires that following adoption of a Groundwater Sustainability Plan (GSP), Groundwater Sustainability Agencies (GSAs) annually report on the condition of the basin and show that the GSP is being implemented in a manner that will likely achieve the sustainability goal for the basin. This report fulfills that requirement for the Salinas Valley Forebay Aquifer Subbasin (Forebay Subbasin or Subbasin) for Water Year (WY) 2024.

SVBGSA and ASGSA submitted the Forebay Subbasin GSP on January 24, 2022, and on April 27, 2023, DWR approved the Forebay Subbasin GSP with 7 RCAs. The sustainability goal of the Forebay Subbasin is to manage groundwater resources for long-term community, financial, and environmental benefits to the Subbasin's residents and businesses. The goal of this GSP is to ensure long-term viable water supplies while maintaining the unique cultural, community, and business aspects of the Subbasin. It is the express goal of this GSP to balance the needs of all water users in the Subbasin.

This is the fourth Annual Report for the Subbasin and includes monitoring data for WY 2024, which is from October 1, 2023, to September 30, 2024. It compares WY 2024 data to Sustainable Management Criteria (SMC) as a measure of the Subbasin's groundwater conditions with respect to the sustainability goal that must be reached by the end of 2042.

1.2 Forebay Aquifer Subbasin Groundwater Sustainability Plan

The Forebay Subbasin falls partly within the jurisdiction of the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) and partly within the jurisdiction of the Arroyo Seco Groundwater Sustainability Agency (ASGSA). In accordance with the Forebay Implementation Agreement (2021), ASGSA manages the Arroyo Seco Cone Management Area (ASCMA) and SVBGSA manages the remaining area of the Subbasin as shown on Figure 1-1. Both implementation areas will be managed according to the single GSP for the entire Forebay Subbasin.

In 2017, local GSA-eligible entities formed the SVBGSA to develop and implement the GSPs for the Salinas Valley. The SVBGSA is a Joint Powers Authority with membership comprising the County of Monterey, Monterey County Water Resources Agency (MCWRA), City of Salinas, City of Soledad, City of Gonzales, City of King, Castroville Community Services District, and Monterey One Water.

The ASGSA was formed through agreement between the City of Greenfield and nearby landowners, consisting of the Clark Colony Water Company (CCWC) and contiguous surrounding lands.

The SVBGSA, in collaboration with ASGSA, developed the GSP for the Forebay Subbasin, identified as California Department of Water Resources (DWR) subbasin 3-004.04. DWR designated the Forebay Subbasin as a medium priority basin.

The SVBGSA developed the GSP for the Forebay Subbasin in concert with the 5 other Salinas Valley Subbasin GSPs that fall partially or entirely under its jurisdiction: the 180/400-Foot Aquifer Subbasin (180/400 Subbasin, DWR subbasin 3-004.01), the Eastside Aquifer Subbasin (Eastside Subbasin, DWR subbasin 3-004.02), the Upper Valley Aquifer Subbasin (Upper Valley Subbasin, DWR subbasin 3-004.05), the Langley Area Subbasin (Langley Subbasin, DWR subbasin 3-004.09), and the Monterey Subbasin (DWR subbasin 3-004.10). This Annual Report covers all the 94,000 acres of the Forebay Subbasin, as shown on Figure 1-1.

1.3 Annual Report Organization

This Annual Report meets all requirements of GSP Regulations §356.2. It first summarizes the subbasin setting, including the precipitation and water year context for water use and management. It then outlines the subbasin conditions, including groundwater extractions, surface water use, total water use, groundwater elevations, change in groundwater storage, and groundwater quality. Finally, the Annual Report relays annual progress toward GSP implementation by reporting on actions taken to implement the GSP and progress toward SMC interim milestones.

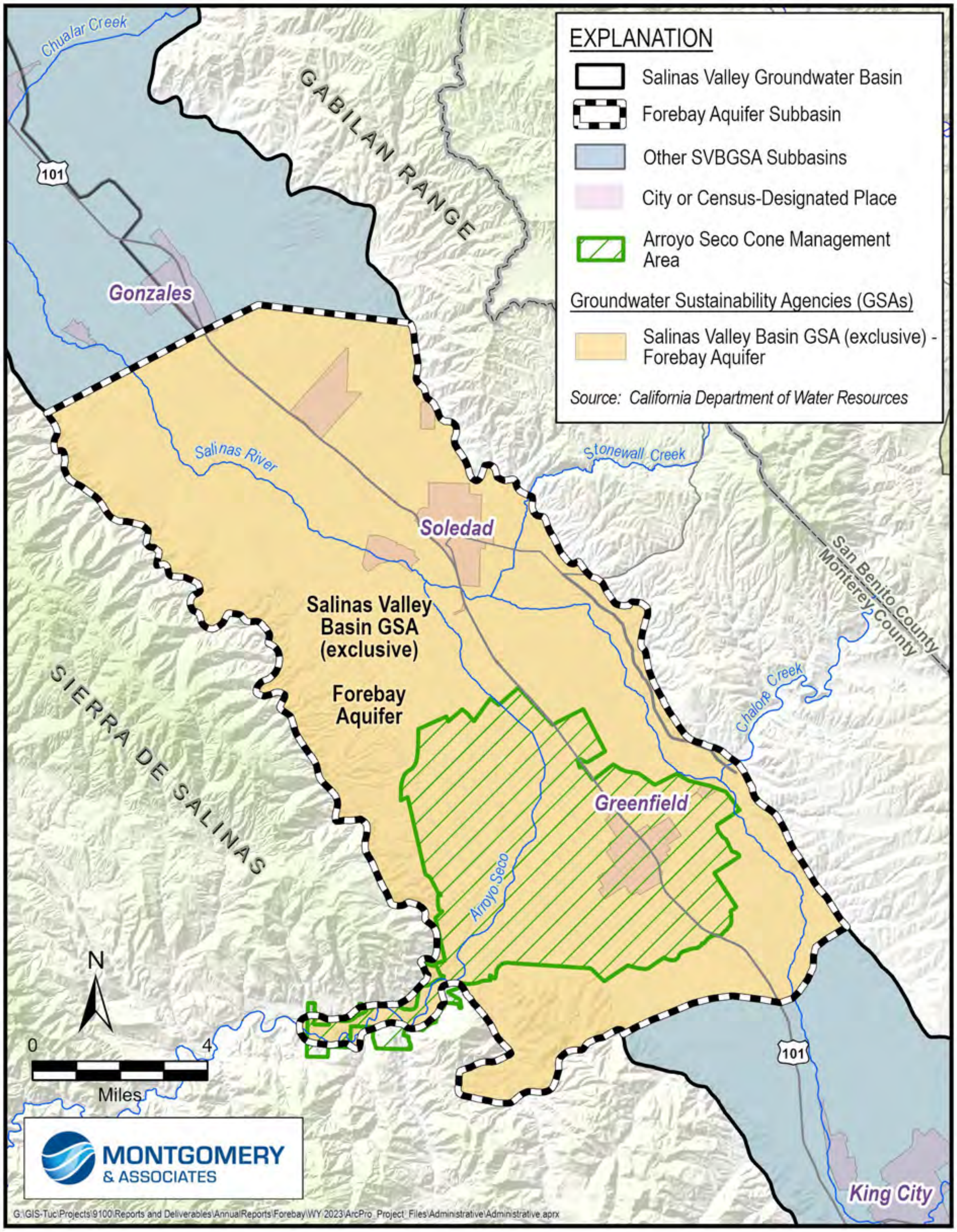


Figure 1-1. Forebay Aquifer Subbasin

2 SUBBASIN SETTING

The Forebay Subbasin is located in the middle of Monterey County. The Salinas River runs through the Forebay Subbasin and its main tributary, the Arroyo Seco River, joins it in the middle of the Subbasin. Historical flows in the Arroyo Seco formed a significant alluvial fan in the Subbasin, known as the Arroyo Seco Cone. The Subbasin contains the municipalities of Greenfield and Soledad. The geology of the Forebay Subbasin is characterized by the intersection of the fluvial and marine dominated deposits of the main Salinas Valley and the Arroyo Seco alluvial fan originating in the Sierra de Salinas on the west side of the Subbasin. The western boundary of the Forebay Subbasin is the contact with the metamorphic and sedimentary rocks of the Sierra de Salinas. The eastern boundary of the Subbasin is the contact between the unconsolidated alluvial fan deposits and the mostly granitic rocks of the Gabilan Range. Most groundwater recharge in the Forebay Subbasin occurs from deep percolation of streamflow along the Arroyo Seco and Salinas River. The northwestern boundary with the adjacent 180/400 and Eastside Subbasins was established to generally coincide with the southeastern limit of confining conditions. The Salinas Valley Aquitard is not found in the Forebay Subbasin, but many of the sediments that define the aquifers and aquitards in the 180/400 Subbasin can be found in the Forebay Subbasin. Additionally, the alluvial fan sediments found throughout most of the Eastside Subbasin also exist in the eastern half of the Forebay Subbasin. There is no reported hydraulic barrier between the Forebay and the 180/400 or Eastside Subbasins. The southeastern boundary with the adjacent Upper Valley Subbasin is located south of Greenfield and coincides with the narrowing of the Valley floor and shallowing of the base of the groundwater basin (DWR, 2004).

2.1 Principal Aquifers and Aquitards

The Basin Fill Aquifer is the Forebay Subbasin's sole principal aquifer, mainly because there is no laterally extensive aquitard and there are no distinct production depths among the wells in the Subbasin. However, recent updates to the Hydrogeological Conceptual Model (HCM) indicate there are areas with increased clay content that may impact how groundwater moves. The Deep Aquifers, as defined in the adjacent 180/400 Subbasin, extend southward along the western margin of the Subbasin based on the presence of the continuous 400/Deep Aquitard, and may continue farther southward based on some intermittent Airborne Electromagnetic (AEM) resistivity data. The Arroyo Seco Cone generally consists of more highly permeable coarse sediments than those encountered in the Subbasin's main fluvial and marine deposits. There are discontinuous clays at correlative depths to the Salinas Valley Aquitard and 180/400 Aquitard, which may prevent the downward migration of groundwater in specific locations. Newly produced AEM data show that the alluvial fans that define the Eastside Subbasin extend southward along the eastern margin of the Forebay Subbasin. The AEM data and well logs indicate higher clay content, which is why many wells closer to the Gabilan Range are deeper and have longer screen intervals. The HCM updates are summarized in Appendix A.

2.2 Natural Groundwater Recharge and Discharge

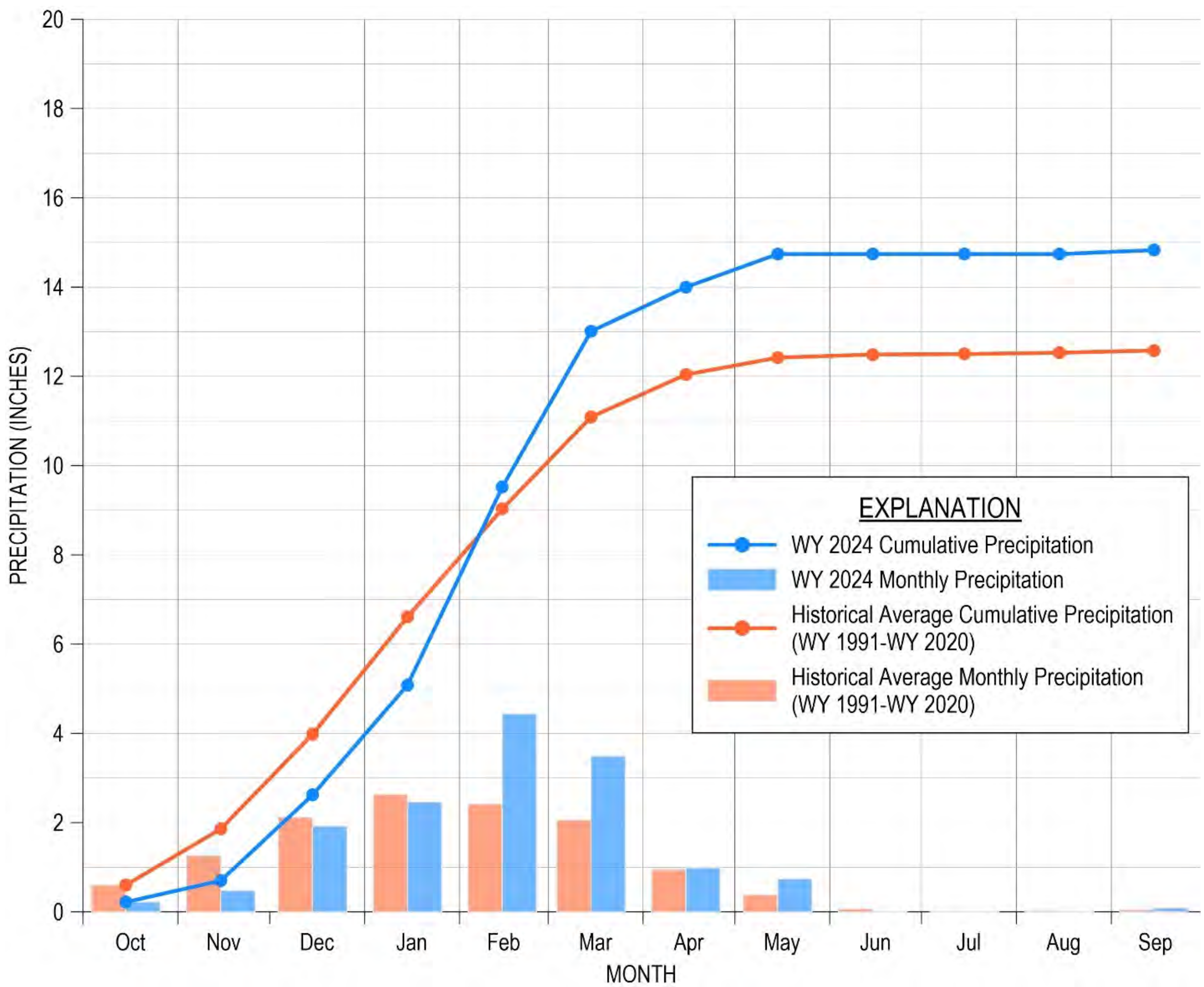
Groundwater can discharge from aquifers where surface water and groundwater are interconnected and gaining streamflow conditions occur. There are potential locations of interconnected surface water (ISW) along the Salinas and Arroyo Seco Rivers, depending on the locations of shallower clays. In these areas, groundwater dependent ecosystems (GDEs) may depend on groundwater emerging from aquifers or on groundwater occurring near the ground surface and may discharge groundwater through evapotranspiration. Natural groundwater recharge in the Subbasin occurs through deep percolation of surface water, excess applied irrigation water, and precipitation.

2.3 Precipitation and Water Year Type

The Forebay Subbasin is located between the precipitation gages at the Salinas Municipal Airport and King City. Figure 2-1 shows the monthly and cumulative precipitation in WY 2024 compared to the historical average based over the most recent 30-year period ending in a decade (WY 1991 to WY 2020), as determined by MCWRA. In WY 2024, the gage at the Salinas Municipal Airport (National Oceanographic and Atmospheric Administration (NOAA) Station USW00023233) recorded cumulative precipitation above the historical average starting in February. Monthly precipitation was also above normal in March and May mainly due to a series of large storm events (measured at the Salinas Municipal Airport). Relatively little precipitation occurred in the second half of the water year, leaving the annual total at 14.8 inches of rainfall, which is 2.3 inches above the historical average.

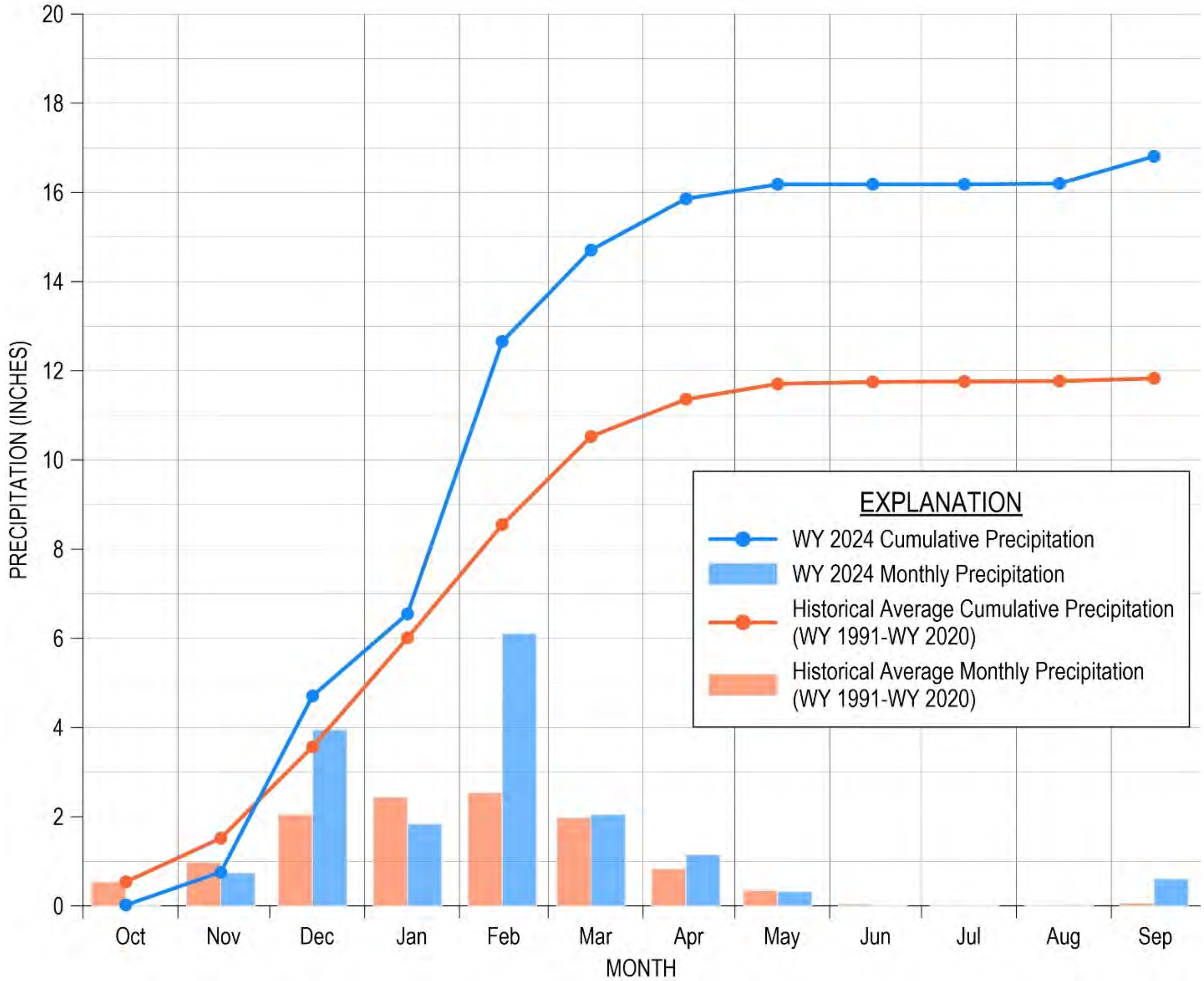
Figure 2-2 shows the monthly and cumulative precipitation in WY 2024 compared to the historical average rainfall (WY 1991 to WY 2020). The precipitation gage at King City (NOAA Station USC00044555) recorded cumulative precipitation within the water year above the historical normal level starting in December. Monthly precipitation was substantially above normal in December and February largely due to large storm events. The water year total was 16.8 inches was higher than the historical average of 11.8 inches.

SVBGSA adopts the methodology used by MCWRA for determining the water year type. MCWRA assigns a water year type of either dry, dry-normal, normal, wet-normal, or wet based on an indexing of annual mean flows at the USGS stream gage on the Arroyo Seco River near Soledad (USGS Gage 11152000) (MCWRA, 2005). Using the MCWRA method, WY 2024 was a wet-normal year in the Salinas Valley.



(Adapted from MCWRA, November 2024a)

Figure 2-1. WY 2024 and Historical Average Rainfall at Salinas Municipal Airport



(Adapted from MCWRA, November 2024a)

Figure 2-2. WY 2024 and Historical Average Rainfall at King City

2.4 Water Year Context for Water Use and Groundwater Management

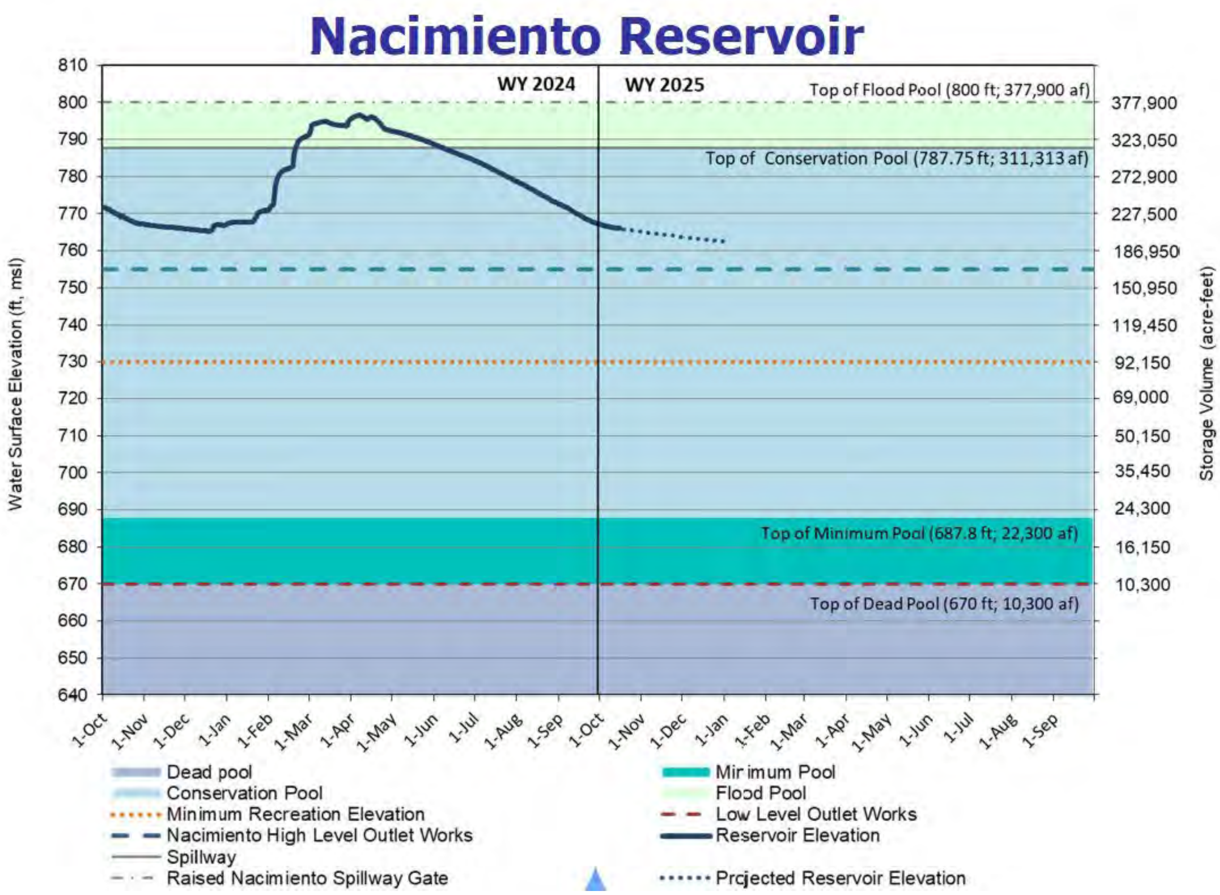
Many factors affect groundwater use and management. In the Salinas Valley, MCWRA operates the Nacimiento and San Antonio Reservoirs for multiple purposes, including flood control, groundwater recharge, and re-diversion of stored reservoir water for delivery to the Castroville Seawater Intrusion Project (CSIP) as an in-lieu irrigation supply in the seawater intruded area. Reservoir operation, the amount of surface water diverted to CSIP at the Salinas River Diversion Facility (SRDF), and CSIP deliveries from recycled water provide meaningful context for water use and management in the Salinas Valley. In addition, SVBGSA asked the subbasin implementation committees for their observations on how their operations and water use were affected by factors such as temperature, pests, flooding, and/or market conditions. While the experiences of subbasin committee members are not necessarily representative of all groundwater users, they provide important context for interpreting water use fluctuations and trends.

2.4.1 Reservoir Operations and Streamflow

Reservoir elevations and storage are critical factors MCWRA considers in determining releases from Nacimiento and San Antonio Reservoirs. Figure 2-3 and Figure 2-4 show reservoir elevations and storage from WY 2024 to the beginning of WY 2025 for the Nacimiento and San Antonio Reservoirs, respectively. With the above-normal precipitation that occurred during WY 2024, the storage increased during the wet season and in February the reservoir elevation in Nacimiento rose into the flood pool. Then, during the conservation release season, storage decreased, and at the end of the water year was about the same as at the beginning.

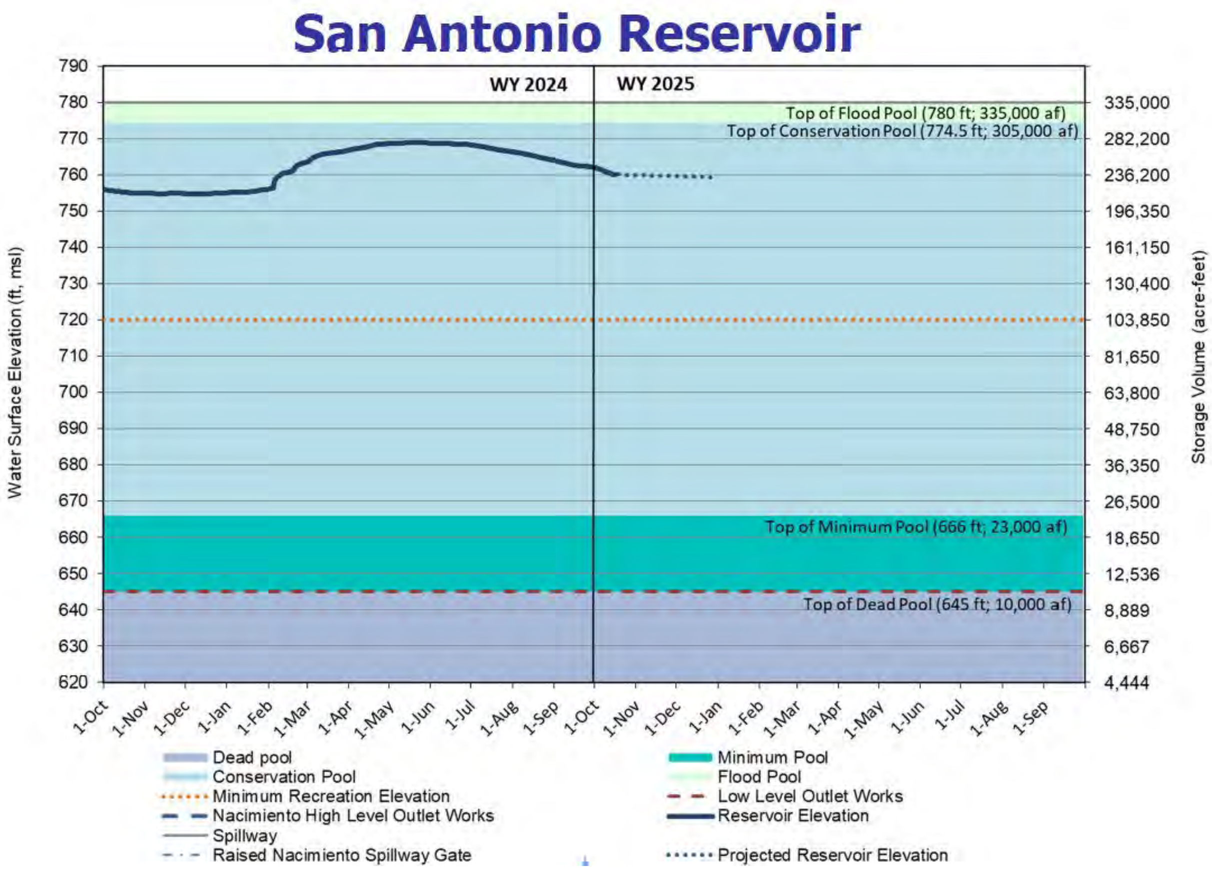
Figure 2-3 shows that from the beginning to the end of WY 2024, Nacimiento Reservoir storage decreased from 64% to 57% of capacity, ending at 215,590 AF of water in storage. Figure 2-4 shows that San Antonio Reservoir storage increased from 66% to 73% of capacity, ending at 244,900 AF of water in storage.

During WY 2024, releases were made from Nacimiento and San Antonio Reservoirs for water conservation to provide stored reservoir water for groundwater recharge to the Salinas Valley Groundwater Basin and operation of the SRDF. Operation of the SRDF began May 10, 2024, and continued through the remainder of WY 2024. Releases during WY 2024 were made in accordance with existing regulations and agreements to provide for fish and wildlife habitat. The timing and quantity of reservoir releases accounted for natural flows in the Salinas River in addition to considerations for minimizing impacts on reservoir levels during peak recreational periods, to the extent possible.



(MCWRA, 2024b)

Figure 2-3. Nacimiento Reservoir Water Surface Elevation and Storage Volume in WY 2024



(MCWRA, 2024b)

Figure 2-4. San Antonio Reservoir Water Surface Elevation and Storage Volume in WY 2024

2.4.2 Water Use and Management

In 2024, the Governor's State of Emergency that was in place for drought conditions was lifted for Monterey County. Therefore, SVBGSA is no longer required to review well permits under Executive Order N-7-22. The County of Monterey's well permit application and review process otherwise remains the same.

Subbasin implementation committees noted that during WY 2024, several factors affected water use and management, in particular the following:

- **Precipitation and Temperature** can affect groundwater use. Growers noted that the additional spring rains meant that some vineyards in the southern end of the Valley did not have to start irrigating as early as usual. They often start in January and this year delayed irrigation to May. Row crops operated as usual.
- **State urban mandates** affect water use within drinking water systems subject to the following mandates (State Water Resources Control Board [SWRCB], 2024a):

1.1. **For urban water suppliers, statewide Level 2 demand reduction actions not required:** The requirement for urban water suppliers to implement demand-reduction actions that correspond to at least Level 2 of their water shortage contingency plans has not been in effect during WY 2024.

1.2. **For commercial, institutional, and Home Owner Association (HOA) common areas, the decorative grass watering emergency ban has expired:** The Emergency Regulation to Ban Decorative Grass Watering (non-functional turf irrigation) in commercial, industrial, and institutional areas, including HOA common areas expired by operation of law on June 5, 2024. In October 2023, however, the California State Legislature passed Assembly Bill 1572, which phases in a ban on decorative grass watering in commercial, industrial, and institutional areas permanently.

1.3. **Emergency prohibition on wasteful water uses has expired:** The Emergency Regulation to Prohibit Wasteful Water Uses (such as refilling fountains without recirculating pumps, overwatering landscapes, watering grass within 48 hours of rainfall, etc.) expired on December 21, 2023.

3 2024 DATA AND SUBBASIN CONDITIONS

This section details the Subbasin conditions and WY 2024 data (or the most recent data available). Monitoring data—which SVBGSA stores in a data management system (DMS)—are included in this Annual Report and are submitted to DWR.

The Forebay Subbasin includes the ASCMA that is managed by ASGSA. As in GSP Chapter 5 on Groundwater Conditions, groundwater conditions here do not separate the ASCMA from the greater Forebay Subbasin. Instead, groundwater conditions are discussed for the entire Subbasin to reflect the single sustainability goal for the Subbasin.

3.1 Water Supply and Use

Within the Subbasin, most of the water is used for agricultural purposes, then for urban and industrial use, then for rural domestic use, with a relatively small amount used by wetlands and native vegetation.

The water supply in the Forebay Subbasin is a combination of groundwater and surface water. Groundwater is the main water source in the Subbasin. Some growers also report surface water use to the SWRCB. Surface water is also diverted from the Arroyo Seco River for CCWC. The City of Soledad uses recycled water for school and turf irrigation.

3.1.1 Groundwater Extraction

Urban and agricultural groundwater extractions are compiled using MCWRA's Groundwater Extraction Management System (GEMS), through which groundwater extraction is reported for wells with an internal discharge pipe diameter greater than 3 inches within Zones 2, 2A, and 2B. Based on MCWRA Ordinance 5426 adopted in 2024, future annual reports will include groundwater extraction data from non-de minimis wells located within the SVBGSA subbasins, as reported to MCWRA.

Table 3-1 presents groundwater extractions by water use sector, including the method and accuracy of measurement in the Forebay Subbasin. Urban water use data from MCWRA aggregates municipal wells, small public water systems, and industrial wells. Agricultural water use accounted for 94% of groundwater extraction in 2024; urban and industrial water uses accounted for 6%. Both agricultural and urban pumping is reported by MCWRA from October 1 through September 30, starting in WY 2024 based on MCWRA Ordinance 5426. No groundwater was extracted for managed wetlands or managed recharge. Use of extracted groundwater used by natural vegetation is assumed to be small and was not estimated for this report.

Starting this year, a rural domestic pumping estimate is included for the Forebay Subbasin to maintain consistency with the other subbasins. Rural domestic pumping is estimated using the number of drinking water connections based on data compiled for water systems and 2024 County of Monterey parcel data. To estimate water use, the approximate number of connections is multiplied by a constant pumping rate of 0.35 acre-feet per year (AF/yr) per connection across all subbasins.

The total reported groundwater extraction in WY 2024, a wet-normal water year, was approximately 118,150 acre-feet per year (AF/yr) in the Subbasin. Of this total extraction, approximately 570 AF of agricultural pumping and 30 AF of urban pumping were estimated because MCWRA has yet to receive 2024 data from several pumpers. This total is for the Forebay Subbasin, not the MCWRA Forebay Subarea; therefore, the pumping total is not identical to what MCWRA publishes in their annual Groundwater Extraction Summary Reports. Figure 3-1 illustrates the general location and volume of groundwater extractions in the Subbasin.

Table 3-1. Groundwater Extraction by Water Use Sector

Water Use Sector	Groundwater Extraction	Method of Measurement	Accuracy of Measurement
Rural Domestic	150	Estimated	N/A
Urban (including industrial)	6,880	MCWRA's Groundwater Monitoring Program allows reporting using methods water flowmeter, electrical meter, hour meter, or other approved measuring devices that are part of an existing "Alternative Compliance Plan." For 2024, 86% of extractions were calculated using a flowmeter, 13% electrical meter and 1%-hour meter.	MCWRA Ordinance 5426 requires flowmeter calibration every five years, and that flowmeters be accurate to within +/- 10% after installation. The same ordinance requires annual pump efficiency tests. SVBGSA assumes an electrical and hour meter accuracy of +/- 5%.
Agricultural	111,120		
Managed Wetlands	0	N/A	N/A
Managed Recharge	0	N/A	N/A
Natural Vegetation	0	*De minimis* and not estimated.	Unknown
TOTAL	**118,150**		

In AF/yr
N/A = Not Applicable

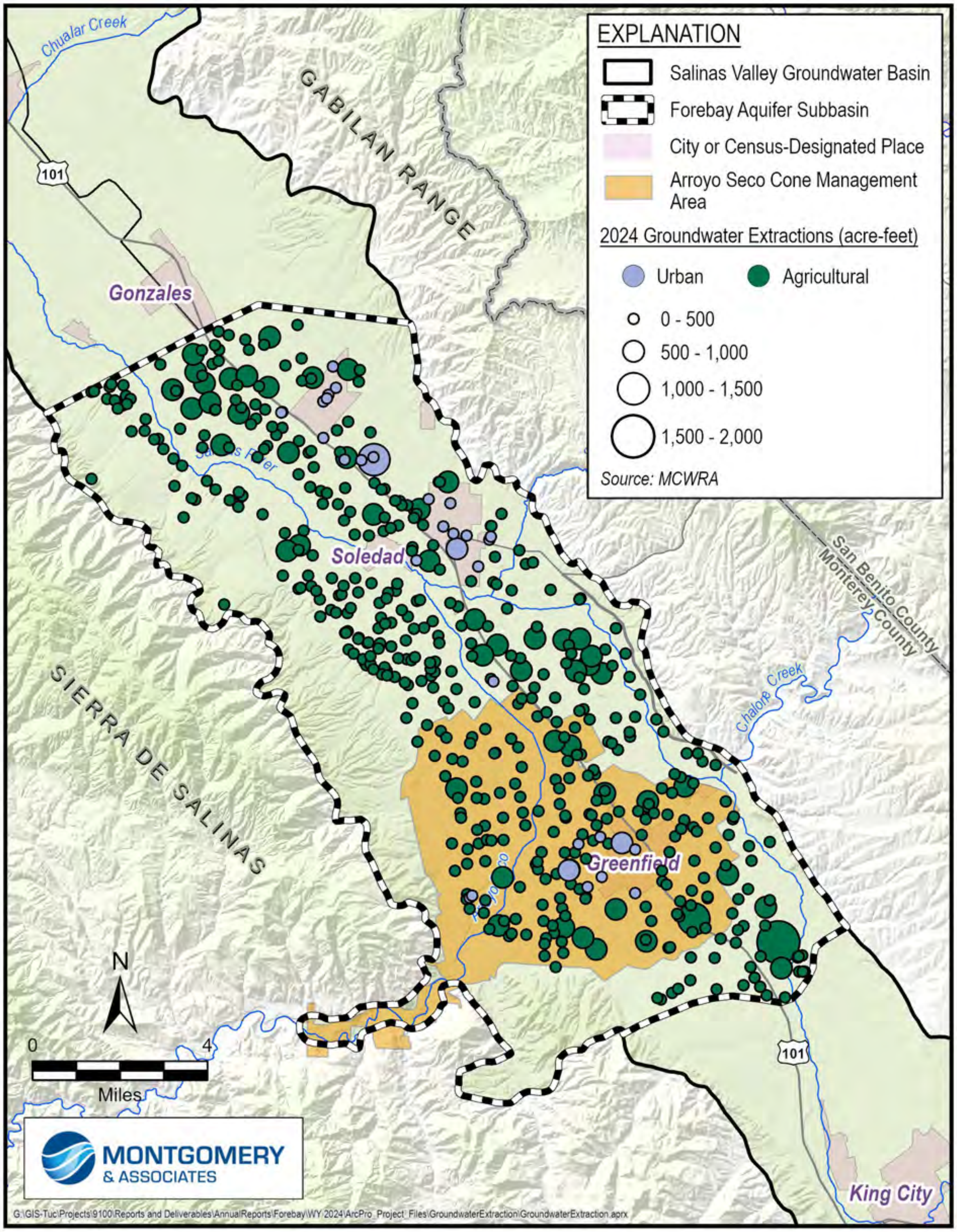


Figure 3-1. General Location and Volume of Groundwater Extractions

3.1.2 Surface Water Supply

Salinas River watershed diversion data are obtained from the SWRCB Electronic Water Rights Information Management System (eWRIMS) website (SWRCB, 2024b). These data are reported annually and include diversions from the Salinas River and the Arroyo Seco River. Surface water diversions reported in eWRIMS were approximately 11,720 AF/yr in WY 2024. CCWC did not report any diversions to eWRIMS in WY 2024 due to flood damage and repairs. All diverted surface water is used for irrigation and is reported as a Statement of Diversion and Use.

3.1.3 Recycled Water Supply

The City of Soledad uses recycled water to irrigate schools and turfs. On average, approximately 170 AF are used for irrigation annually.

3.1.4 Total Water Use

Total water use is the sum of groundwater extractions and surface water use and is summarized in Table 3-2.

Many growers and residents have noted that some agricultural water use is reported both to SWRCB as surface water diversions and to MCWRA as groundwater pumping. To avoid double counting, all surface water diversions reported as a Statement of Diversion and Use—except CCWC's—are excluded from the total water use count for the Subbasin. Therefore, total surface water use for the Subbasin is adjusted from the 11,720 AF/yr reported in eWRIMS to 0 AF/yr. It is possible that not all of the 11,720 AF/yr of surface water diversions excluded are being reported to both SWRCB and MCWRA, in which case total water use may be up to that amount greater than calculated here. This accounting is done to calculate the total water use and is not meant to imply that SVBGSA classifies any or all the reported diversions as groundwater. SVBGSA will continue to work with stakeholders to refine the methodology used to resolve double counting.

Total water use was approximately 118,320 AF/yr in WY 2024, as shown in Table 3-2. Figure 3-2 shows the total water use by water use sector and water type since WY 2020. Total water use estimates for WYs 2020-2023 have been adjusted to include the rural domestic pumping and recycled water use estimates.

Table 3-2. Total Water Use by Water Use Sector

Water Use Sector	Groundwater Extraction	Surface Water Use	Recycled Water	Method of Measurement	Accuracy of Measurement
Rural Domestic	150	0	0	Estimated	N/A
Urban	6,880	0	170	Direct	Estimated to be +/- 5%.
Agricultural	111,120	0	0	Direct	Estimated to be +/- 5%.
Managed Wetlands	0	0	0	N/A	N/A
Managed Recharge	0	0	0	N/A	N/A
Natural Vegetation	Unknown	Unknown	Unknown	N/A	N/A
SUBTOTALS	118,150	0	170	-	-
TOTAL	**118,320**				

In AF/yr

Note: To avoid double counting with groundwater pumping reported to MCWRA, Statement of Diversion and Use surface water diversions reported in Section 3.1.2 are subtracted from the total water use.

N/A = Not Applicable

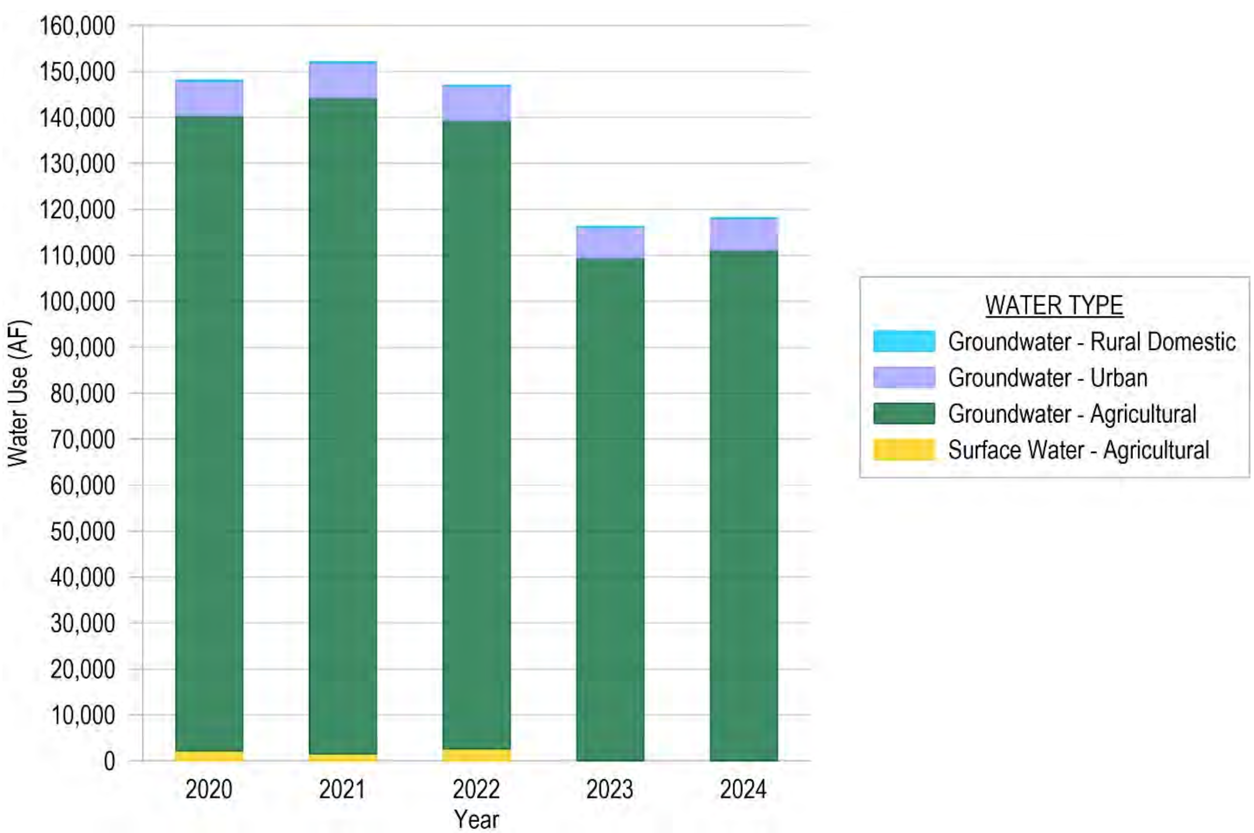


Figure 3-2. Total Water Use by Water Use Sector Since WY 2020

3.2 Groundwater Elevations

The groundwater elevation monitoring network in the Forebay Subbasin consists of 38 representative monitoring site (RMS) wells monitored by MCWRA and is shown on Figure 3-3. Since last year's annual report, well 18S/06E-22B04 was removed from the RMS network and replaced it with well 18S/06E-27A01. Well 17S/06E-16N01 was also removed from the RMS network because it was destroyed in July 2023.

WY 2024 groundwater elevation data are presented in Table 3-3. In accordance with the GSP, this report uses groundwater elevations measured in August to represent the seasonal low and fall to represent the seasonal high. Fall groundwater elevation measurements are collected by MCWRA during November and December. During these months, groundwater conditions are relatively neutral since they are generally not heavily influenced by either summer irrigation pumping or winter rainfall recharge. Fall groundwater elevations are used to estimate annual changes in groundwater elevations and to compare to SMC, as described in Section 4.2.1. Table 3-3 lists the approximate annual change in groundwater levels for the RMS wells that are shown on Figure 3-4. The annual change was calculated from fall 2023 to fall 2024, both of which were wetter years. This figure shows that groundwater elevations rose in 27 RMS wells, remained stable in 2 wells, and declined in 7 wells. On average, groundwater elevations rose by about 0.7 feet with a range of -2.2 to 2.8 feet. One RMS well was not sampled in WY 2023 so the annual change was not calculated for that well.

SVBGSA is working to fill 1 data gap with an additional well to include in the monitoring network during GSP implementation.

Table 3-3. WY 2024 Groundwater Elevation Data

Monitoring Site	August Groundwater Elevation	Fall Groundwater Elevation	Annual Change (Fall 2023 to Fall 2024)
17S/05E-02N04	Not Sampled	114.2	1.3
17S/05E-03R50	Not Sampled	112.9	-0.6
17S/05E-04R01	104.7	107.1	1
17S/05E-06Q01	99.3	100.8	1.5
17S/05E-08L02	105.6	106.7	0.2
17S/05E-09R01	115	115.9	0.5
17S/05E-27A01	138.3	138.6	-0.4
17S/05E-36F02	140.3	143	2.7
17S/06E-19D01	Not Sampled	140.7	-0.3
17S/06E-27K01	Not Sampled	165.6	0.5
17S/06E-29C01	149.5	150.2	-0.7
17S/06E-33R01	Not Sampled	165.9	0.3
17S/06E-33R02	163.6	163	0.3
17S/06E-35J01	175.1	174.8	0
18S/06E-01E01	Not Sampled	180.4	0.9
18S/06E-02N01	Not Sampled	175.6	0.4
18S/06E-05R03	157.4	163.4	0.4
18S/06E-06M01	Not Sampled	157.3	2.2
18S/06E-11J01	180.2	181.4	1.5
18S/07E-19G02	199.0	198.4	N/A
19S/07E-10P01	Not Sampled	233.7	1.4
Arroyo Seco Cone Management Area			
18S/06E-16L01	Not Sampled	173.4	2.4
18S/06E-22B02	Not Sampled	177.6	2.2
18S/06E-22B03	Not Sampled	179.6	1.7
18S/06E-27A01	Not Sampled	189	0
18S/06E-24M01	Not Sampled	195.3	1.3
18S/06E-24M02	Not Sampled	195.4	1.2
18S/06E-25F01	Not Sampled	200	0.8
18S/06E-34B01	203.7	199.4	1.2
18S/06E-35F01	Not Sampled	201.34	0.2
18S/06E-35F02	208.1	206.2	-2
18S/07E-20K01	205.3	205.3	0.1
18S/07E-28N01	Not Sampled	208.79	-2.21
19S/06E-01H01	211.9	210.8	2.8
19S/06E-11C01	Not Sampled	211	1.8
19S/07E-04Q01	218.9	222.9	-0.7
19S/07E-05B02	208.1	214.8	1.5

(in feet, NAVD88)
N/A = Not Applicable
Note: “N/A” indicates that a fall groundwater elevation was not taken in either WY 2023 or WY 2024

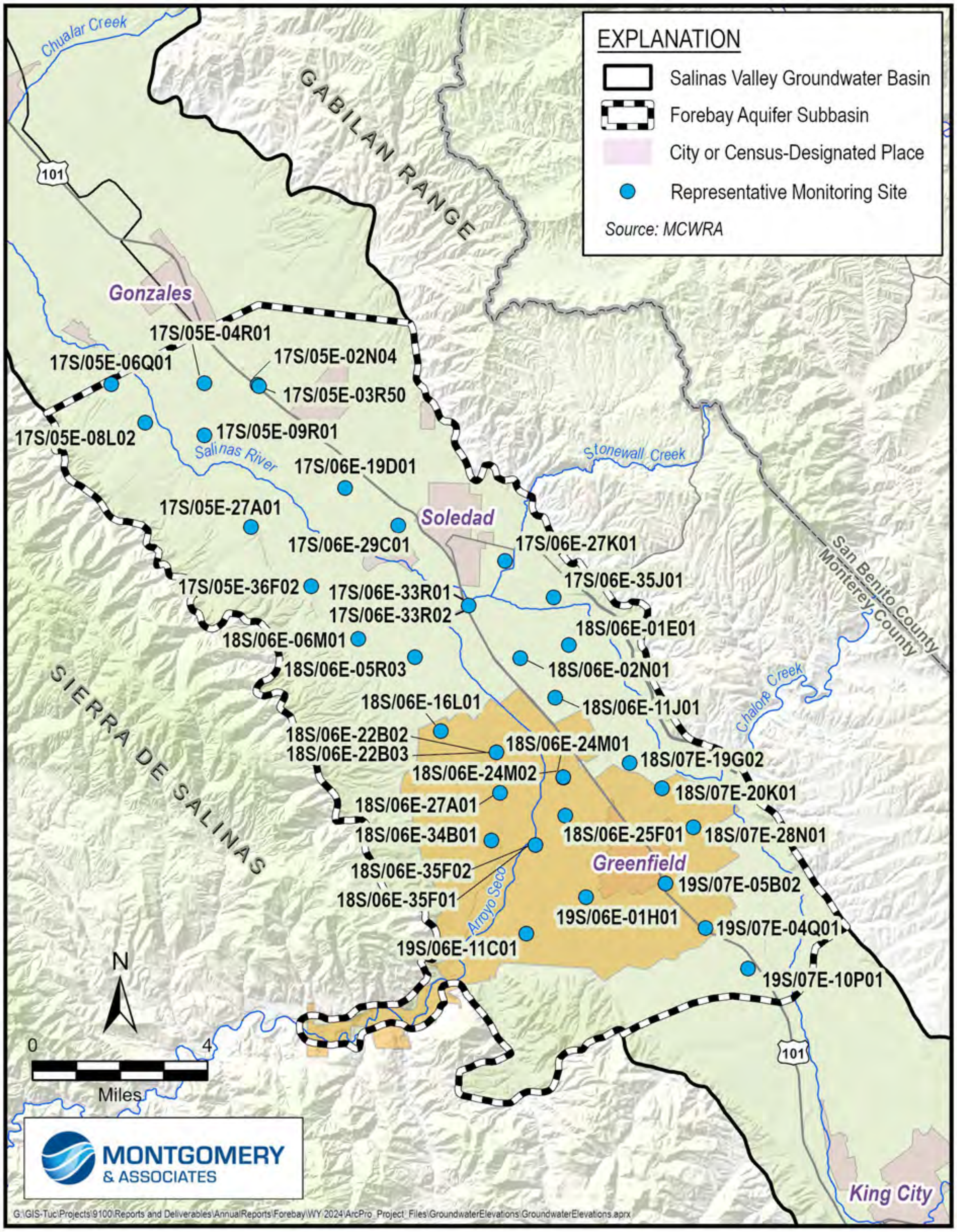


Figure 3-3. Locations of Representative Groundwater Elevation Monitoring Sites

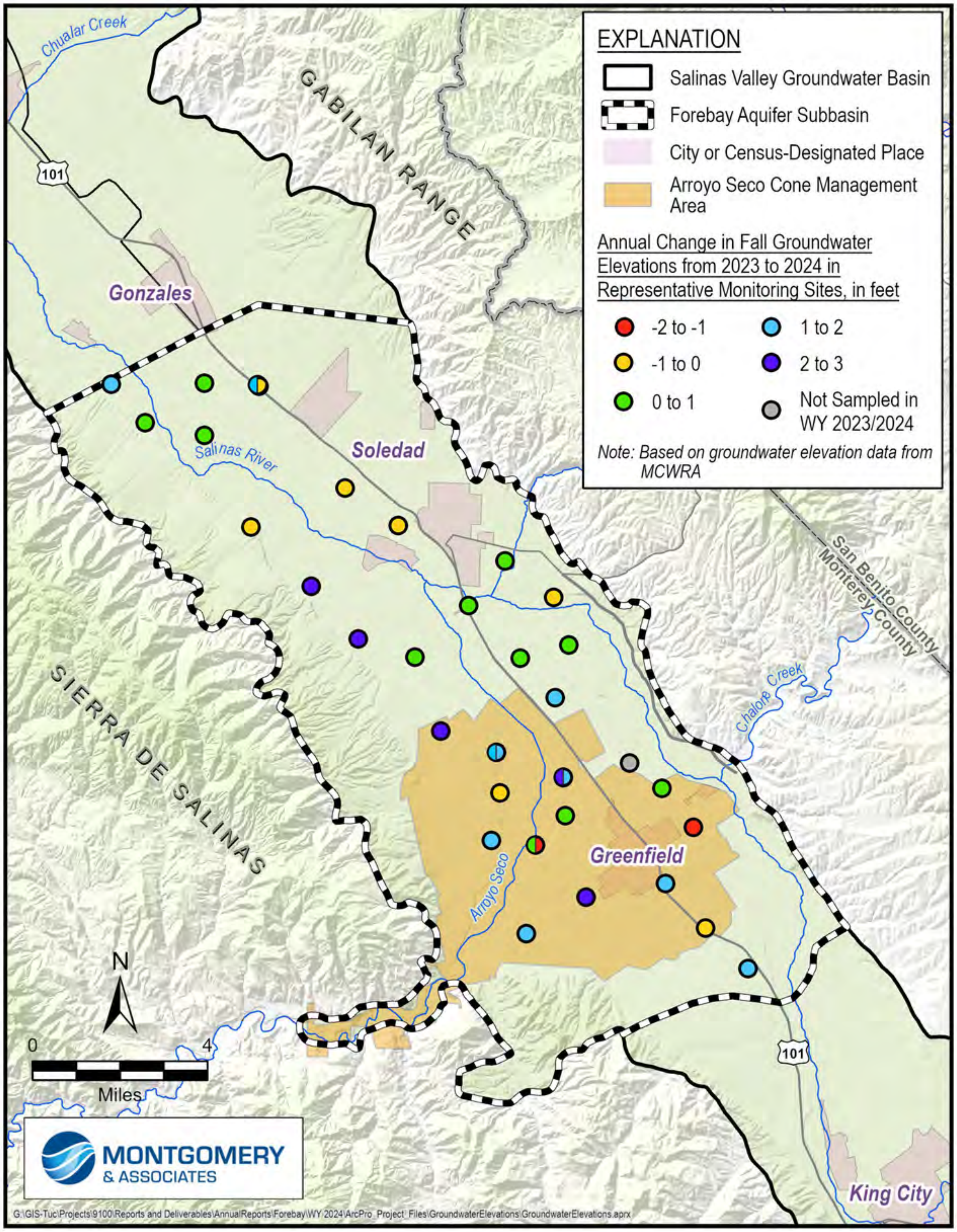


Figure 3-4. Annual Change in Fall Groundwater Elevations in Representative Monitoring Sites

3.2.1 Groundwater Elevation Contours

SVBGSA developed groundwater elevation contour maps for August 2024—which represents seasonal low conditions—and received fall 2024 maps from MCWRA. While the fall contours are considered neutral and the true seasonal high usually occurs between January and March (MCWRA, 2015), the GSP adopts fall groundwater elevations as the seasonal high for SGMA compliance because GSP monitoring is based on MCWRA's existing monitoring. Additionally, fall elevations provide a more useful comparison year to year.

Groundwater elevation contours for seasonal low and high groundwater conditions in the Forebay Subbasin are shown on Figure 3-5 and Figure 3-6, respectively. The contours indicate that groundwater flow directions are similar in the Forebay Subbasin during both seasonal low and seasonal high conditions, with groundwater elevations decreasing from the southeast to the northwest. However, during the seasonal low conditions, a slight groundwater depression is observed near the City of Greenfield.

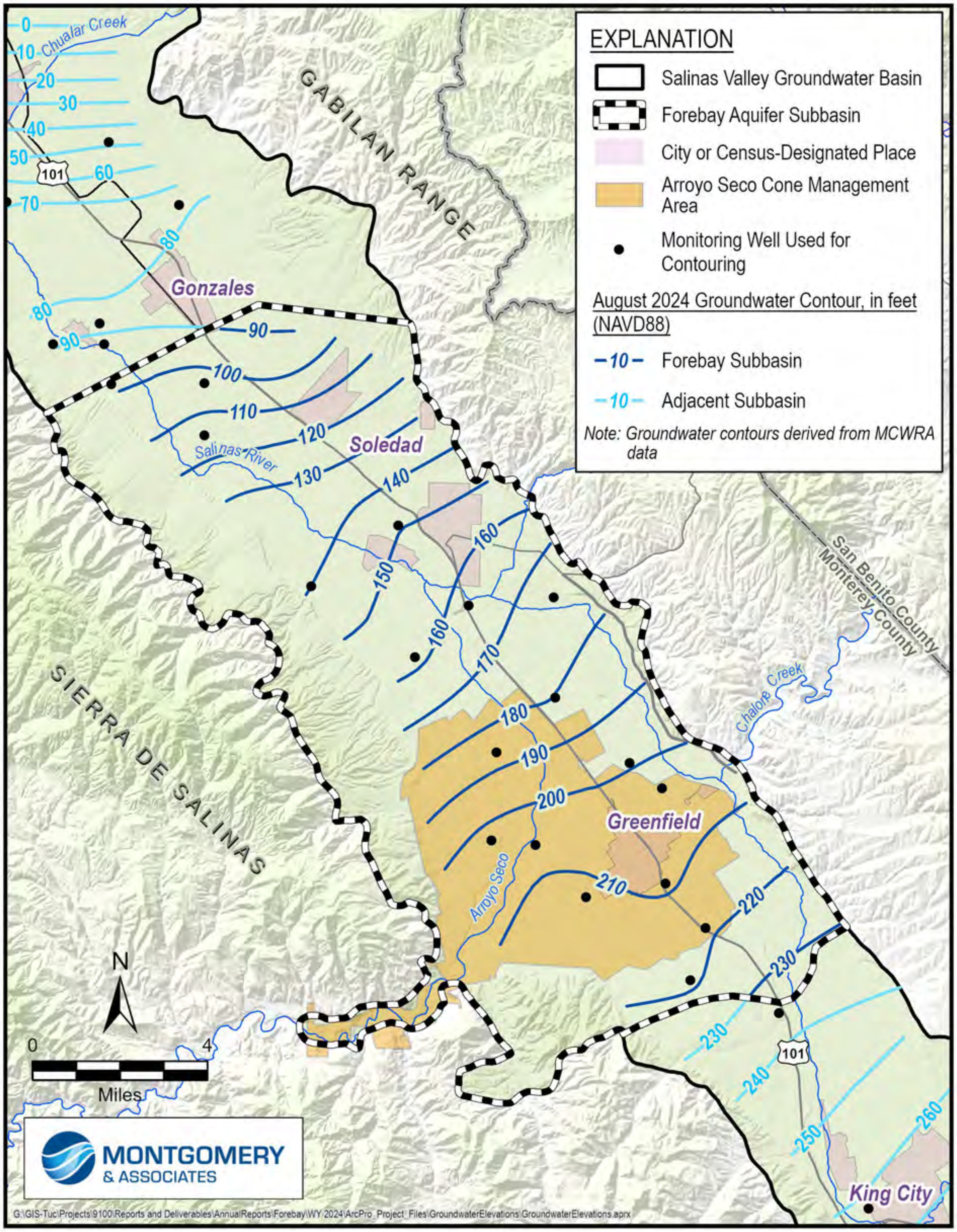


Figure 3-5. Seasonal Low Groundwater Elevation Contour Map for the Forebay Subbasin

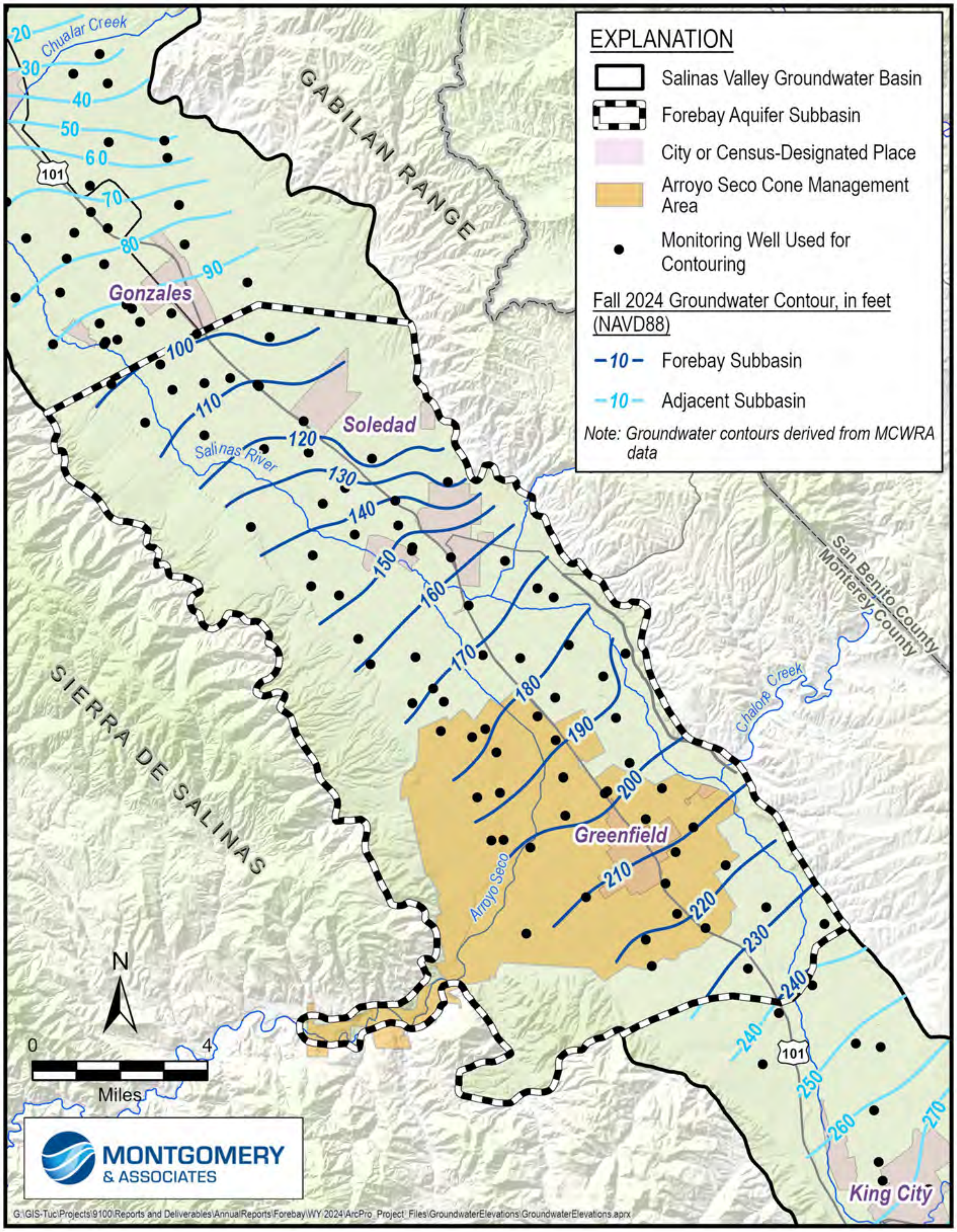


Figure 3-6. Seasonal High Groundwater Elevation Contour Map for the Forebay Subbasin

3.2.2 Groundwater Elevation Hydrographs

Temporal trends in groundwater elevations can be assessed with hydrographs that plot changes in groundwater elevations over time. Hydrographs for selected monitoring wells within the Basin Fill Aquifer of the Forebay Subbasin are shown on Figure 3-7. These hydrographs were selected to show characteristic trends in groundwater elevations in the aquifer. The hydrographs indicate that groundwater elevations in the Basin Fill Aquifer have generally remained stable throughout the Subbasin, dropping during periods of drought but later rebounding again. During the wet conditions of WY 2024, groundwater elevations have either remained stable or increased slightly in comparison to WY 2023 in the wells that were measured. Hydrographs for all representative monitoring sites are included in Appendix B.

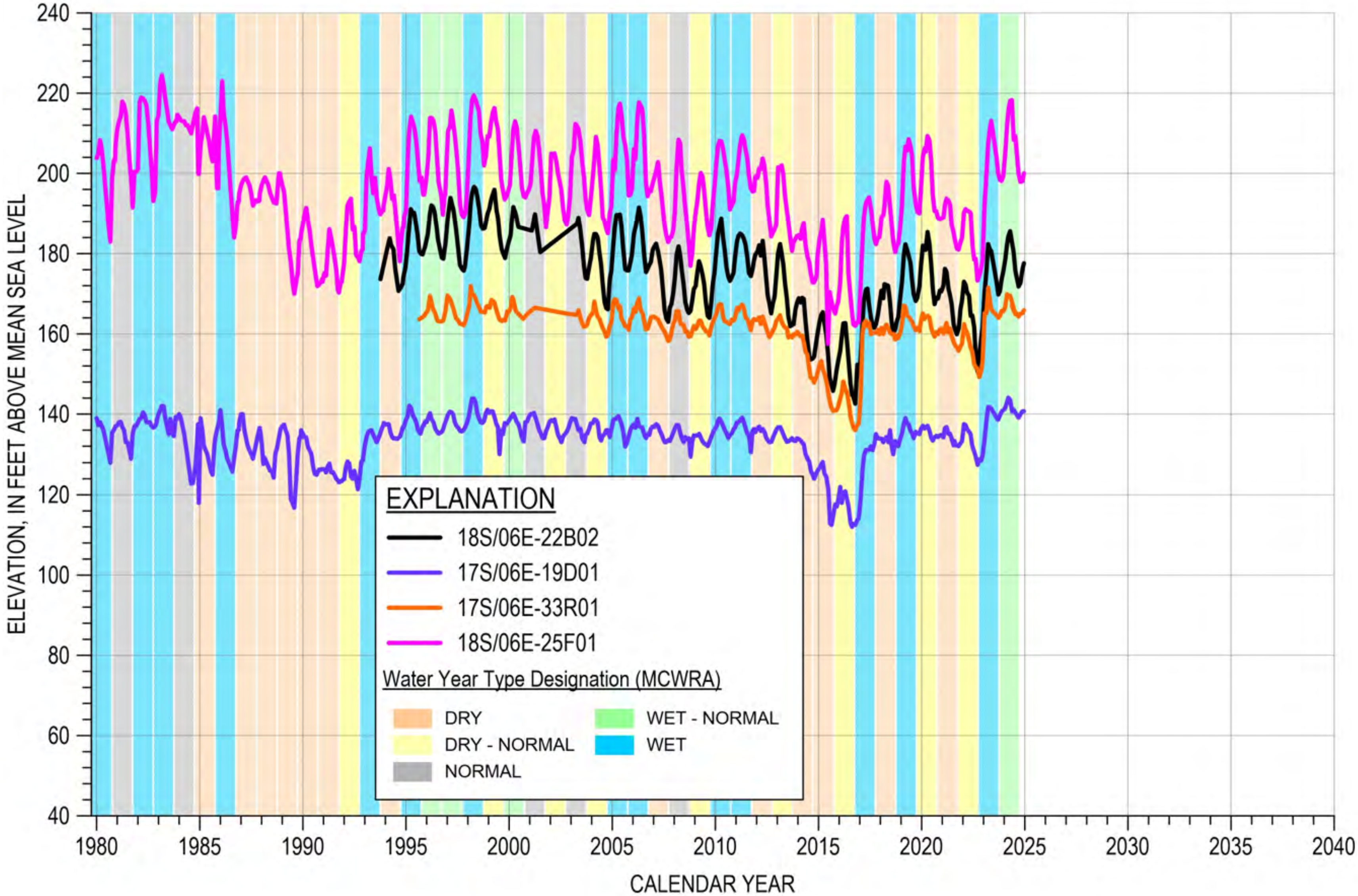


Figure 3-7. Groundwater Elevation Hydrographs for Selected Monitoring Wells

3.3 Change in Groundwater Storage

The Forebay Subbasin GSP adopted the concept of change in usable groundwater storage, defined as the annual average increase or decrease in volume of groundwater that can be safely used for municipal, industrial, or agricultural purposes.

The annual change in storage calculation is based on groundwater elevation contours produced by MCWRA for fall 2023 and fall 2024. Fall measurements occur at the end of the irrigation season and before groundwater levels increase due to seasonal recharge by winter rains. These measurements record annual changes in storage reflective of groundwater recharge and withdrawals in the Subbasin.

To align with the Reduction in Storage SMC, the annual change in groundwater storage is calculated for the entire area of the Subbasin. In order to do this, groundwater elevations are extrapolated to Subbasin boundaries based on MCWRA contours.

Average annual change in groundwater elevations in the Forebay Subbasin from WY 2023 to WY 2024 is estimated by subtracting the fall 2023 groundwater elevations shown on Figure 3-8 from the fall 2024 groundwater elevations presented on Figure 3-4. The average change in groundwater elevations calculated this way is slightly different than those reported in Section 3.2, because it includes interpolated values from the non-contoured portions of the Subbasin. This change is then multiplied by the storage coefficient for the Basin Fill Aquifer in the Forebay Subbasin. The County of Monterey's *State of the Basin Report* approximates the storage coefficient to be 0.12 for the Forebay Subarea (Brown and Caldwell, 2015).

The spatially estimated change in storage due to groundwater elevation changes across the Forebay Subbasin is depicted on Figure 3-9. It shows that storage increased across most of the Subbasin, with the largest occurring south of the City of Greenfield. Decreases in storage occurred mainly north of Soledad and west of the Arroyo Seco.

The components used for estimating change in groundwater storage due to groundwater elevation changes are shown in Table 3-4. Annual groundwater storage change due to changes in groundwater elevations from fall 2023 to fall 2024 increased by approximately 2,900 AF/yr in the Forebay Subbasin.

Table 3-4. Parameters Used for Estimating Annual Change in Groundwater Storage

Component	Values
Subbasin Area (acres)	94,000
Storage coefficient	0.12
Average change in groundwater elevations (feet)	0.3
Total annual change in groundwater storage (AF/yr)	**2,900**

Note: Negative values indicate loss, positive values indicate gain.

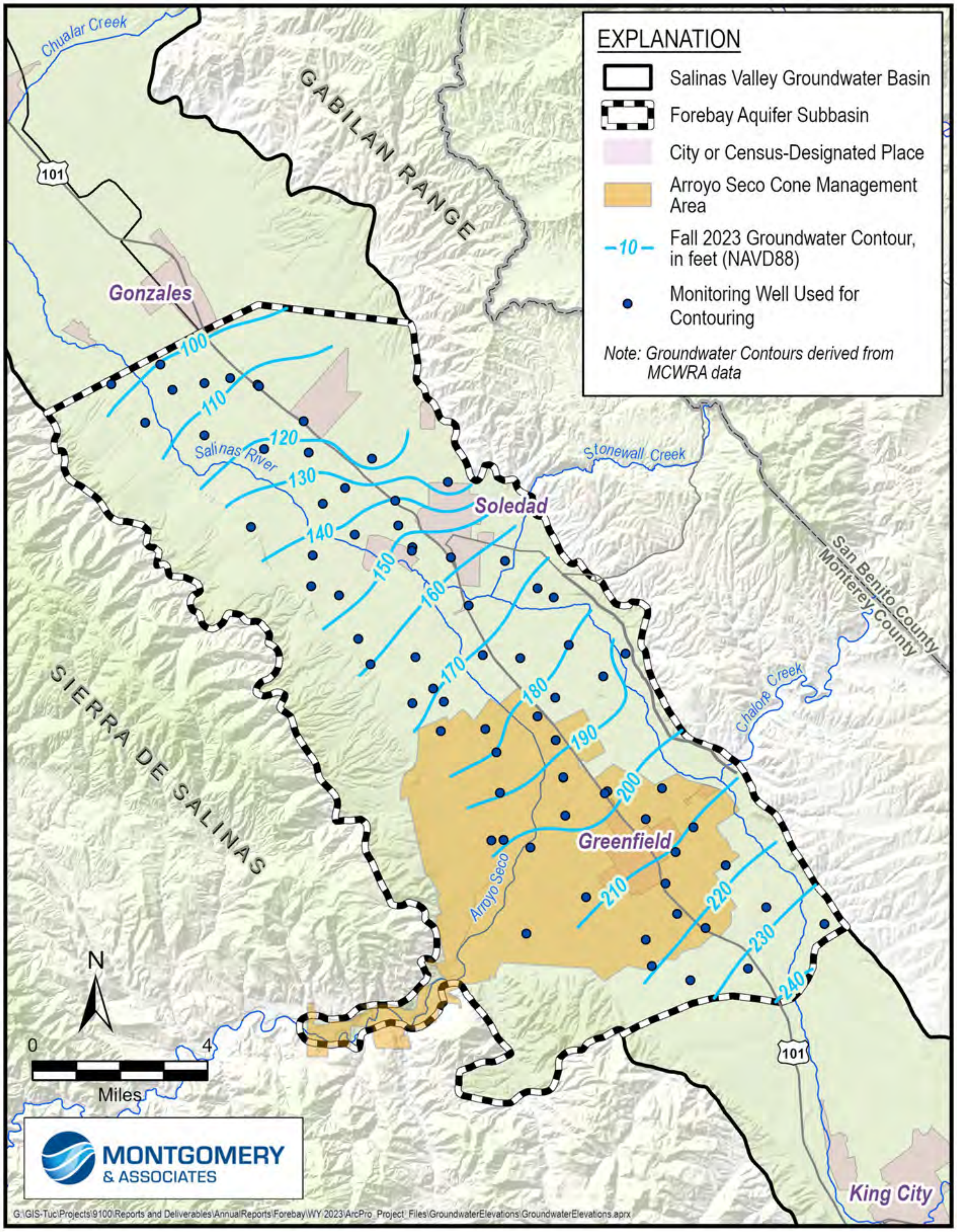


Figure 3-8. Fall 2023 Groundwater Elevation Contour Map

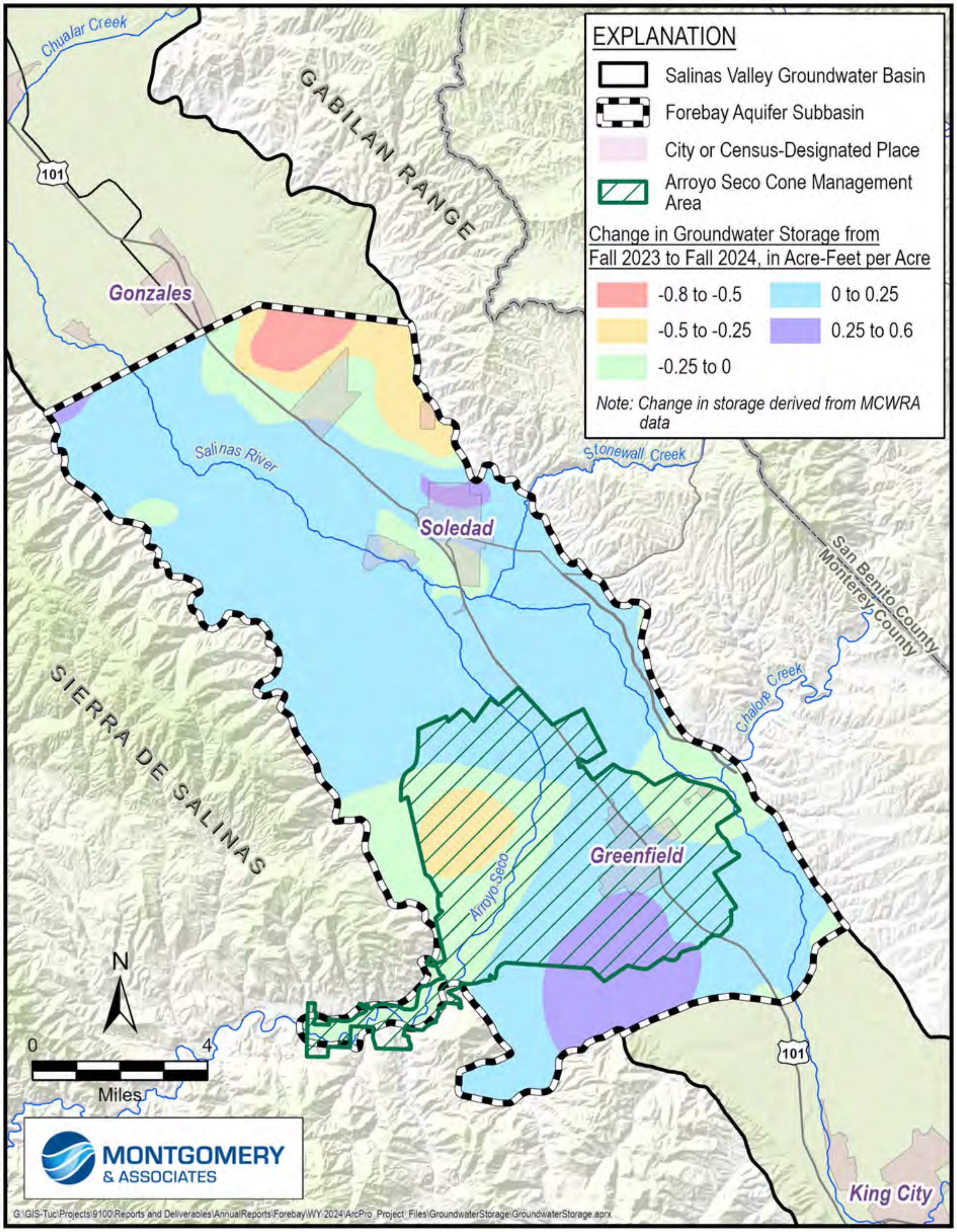


Figure 3-9. Estimated Annual Change in Groundwater Storage

GSP Regulations also require that annual and cumulative changes in groundwater storage and groundwater use along with water year type data are plotted together, as shown on Figure 3-10. The annual and cumulative groundwater storage changes included on Figure 3-10 are based on Subbasin-wide average groundwater elevation changes. This figure includes groundwater extraction from 1995 to 2024, 1995 to 2016 average historical extraction, and the 2070 projected extraction from Chapter 6 of the GSP. Although WY 2024 was the second consecutive year with wetter conditions, pumping increased slightly since the previous year, but is lower than the historical average and projected pumping. The orange line illustrates cumulative storage change since 1944 (e.g., zero represents groundwater conditions in 1944, and each year the annual change in storage is added to produce the cumulative change in storage). The green line represents the annual change in storage from the previous year, such that the 1995 annual change in storage value is based on change in storage from 1994. In WY 2024, groundwater storage increased slightly from the large increase in storage that occurred during WY 2023, as shown by the green line, bringing the cumulative change in storage since 1944 to approximately -20,500 AF, as shown by the orange line.

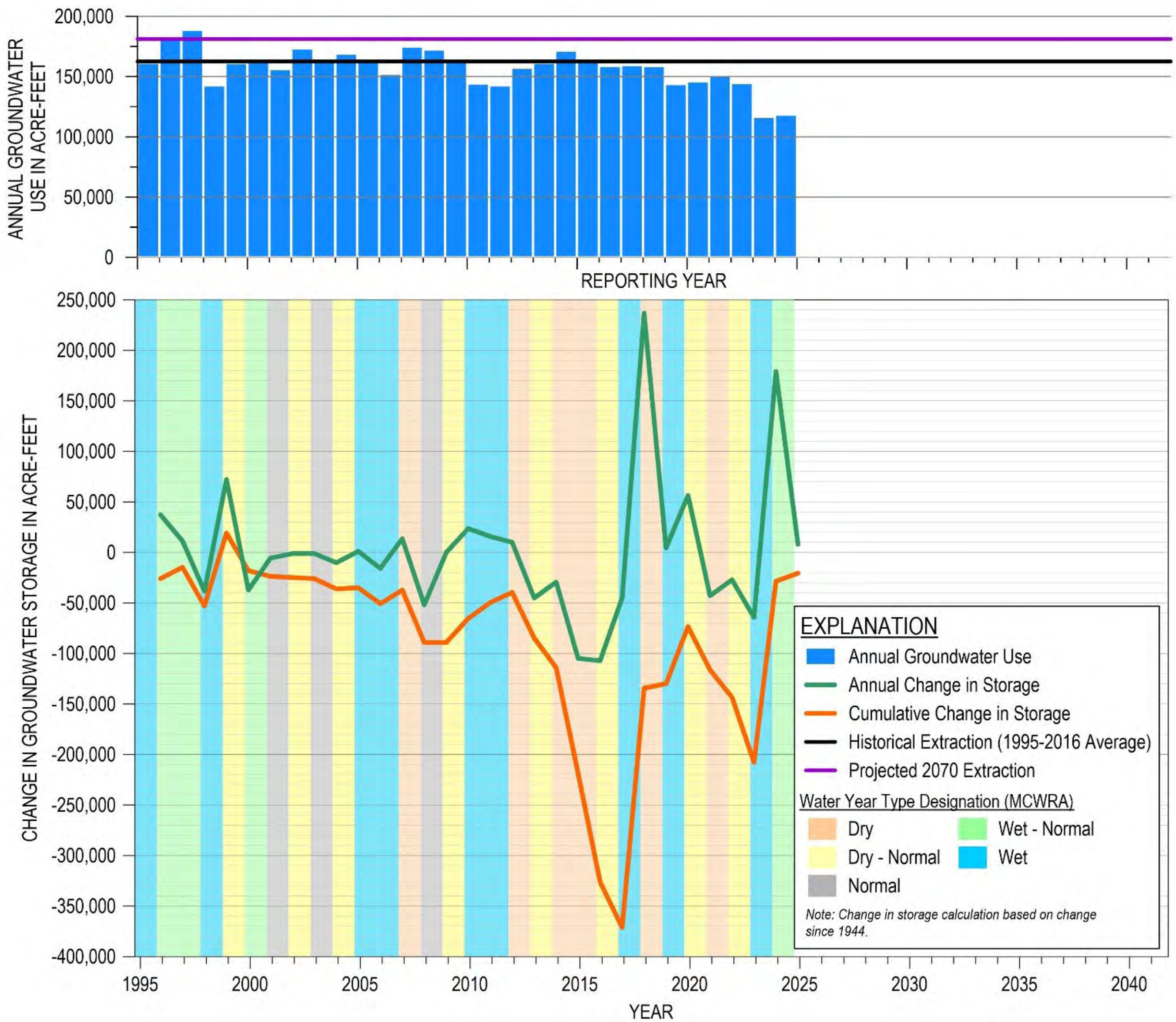


Figure 3-10. Groundwater Use and Annual and Cumulative Change in Groundwater Storage

3.4 Groundwater Quality

Degradation of groundwater quality is measured in 3 sets of wells: public water system supply wells, on-farm domestic wells, and irrigation wells. Data collected by SWRCB Division of Drinking Water (DDW) is used to evaluate groundwater quality in public water system supply wells. Under the Irrigated Lands Regulatory Program (ILRP), which is regulated by the Central Coast Regional Water Quality Control Board (CCRWQCB), water quality is monitored in on-farm domestic wells and irrigation wells. Water quality data for both programs can be found on SWRCB's Groundwater Ambient Monitoring and Assessment (GAMA) groundwater information system (SWRCB, 2024c). However, through collaboration with the CCRWQCB and Central Coast Water Quality Preservation, Inc., after the submittal of the WY 2023 Annual Report it was determined that the GAMA groundwater information system is missing ILRP data. Therefore, in this annual report and future reports produced by the SVBGSA, water quality in ILRP wells is evaluated using data directly from the CCRWQCB. The constituents of concern (COCs) for public water system supply wells and domestic wells have a Maximum Contaminant Level (MCL) or Secondary Maximum Contaminant Level (SMCL) established by the State's Title 22 Regulations. The COCs for irrigation wells include those that may lead to reduced crop production and are outlined in the CCRWQCB's Basin Plan (2019). As discussed in the GSP, each set of wells has its own COCs and only the most recent sample for each COC and each well are considered. In addition, the 2019 baseline that forms the basis for the minimum thresholds and measurable objectives were adjusted for ILRP wells based on the more complete dataset provided by the CCRWQCB. The wells used to monitor groundwater quality have been updated. In addition, the 2019 baseline that forms the basis for the minimum thresholds and measurable objectives was adjusted for ILRP wells based on the more complete dataset provided by the CCRWQCB and are further described in Section 4.2.3.1.

Table 3-5 shows the number of wells that were sampled in WY 2024 and that have chemical concentrations above the regulatory standard for the COCs for the Forebay Subbasin. Figure 3-11 shows that groundwater samples from 102 wells had concentrations above the regulatory standard for 9 COCs, with 29 wells having multiple exceedances. The COCs with concentrations above the regulatory standard include 1,2,3-trichloropropane, gross alpha radioactivity, iron, manganese, nitrate, nitrate+nitite, selenium, specific conductance, and total dissolved solids. Appendix C includes the 2024 water quality data that were used in this Annual Report.

Table 3-5. Annual Exceedances of the Regulatory Standard for the Forebay Subbasin Constituents of Concern

Constituent of Concern (COC)	Regulatory Exceedance Standard	Standard Units	Number of Wells Sampled for COCs in 2024	Number of Wells Sampled in 2024 with Concentrations above the Regulatory Standard
DDW Wells				
1,2,3-Trichloropropane	0.005	UG/L	12	1
Aluminum	1000 (MCL) 200 (SMCL)	UG/L	8	0
Chloride	500	MG/L	7	0
Foaming Agents (MBAS)	0	MG/L	7	0
Gross Alpha radioactivity	15	pCi/L	7	1
Iron	300	UG/L	7	3
Manganese	50	UG/L	7	2
Nitrate (as nitrogen)	10	MG/L	35	4
Selenium	20	UG/L	8	1
Specific Conductance	1600	UMHOS/CM	9	1
Total Dissolved Solids	1000	MG/L	8	1
ILRP On-Farm Domestic Wells				
Iron	300	UG/L	0	0
Nitrate (as nitrogen)	10	MG/L	0	0
Nitrate + Nitrite (sum as nitrogen)	10	MG/L	117	55
Nitrite (as nitrogen)	10	MG/L	0	0
Specific Conductance	1600	UMHOS/CM	117	33
Sulfate	500	MG/L	0	0
Total Dissolved Solids	500	MG/L	4	0
ILRP Irrigation Wells				
Iron	5	MG/L	0	0
Manganese	0.2	MG/L	0	0

mg/L - milligram per liter
pCi/L - picocuries per liter
ug/L - micrograms per liter
umhos/cm - micromhos per centimeter

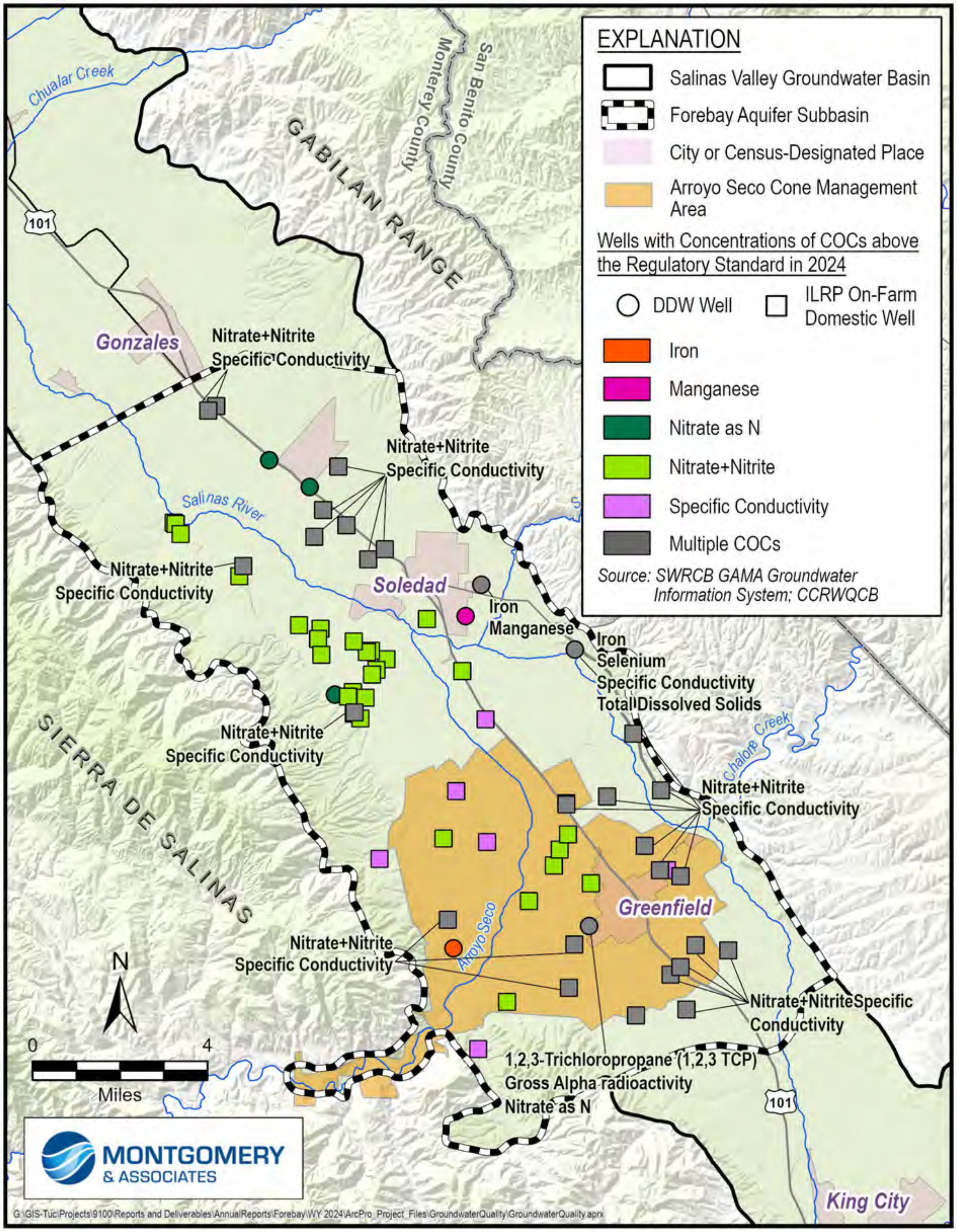


Figure 3-11. Wells with COC Concentrations Above the Regulatory Standard

3.5 Subsidence

Subsidence is measured using Interferometric Synthetic-Aperture Radar (InSAR) data. These data are provided by DWR on the SGMA data viewer portal (DWR, 2024). Figure 3-12 shows the annual subsidence for the Forebay Subbasin from October 2023 to October 2024. Data continue to show negligible subsidence. All land movement was within the estimated measurement error of +/- 0.1 foot.

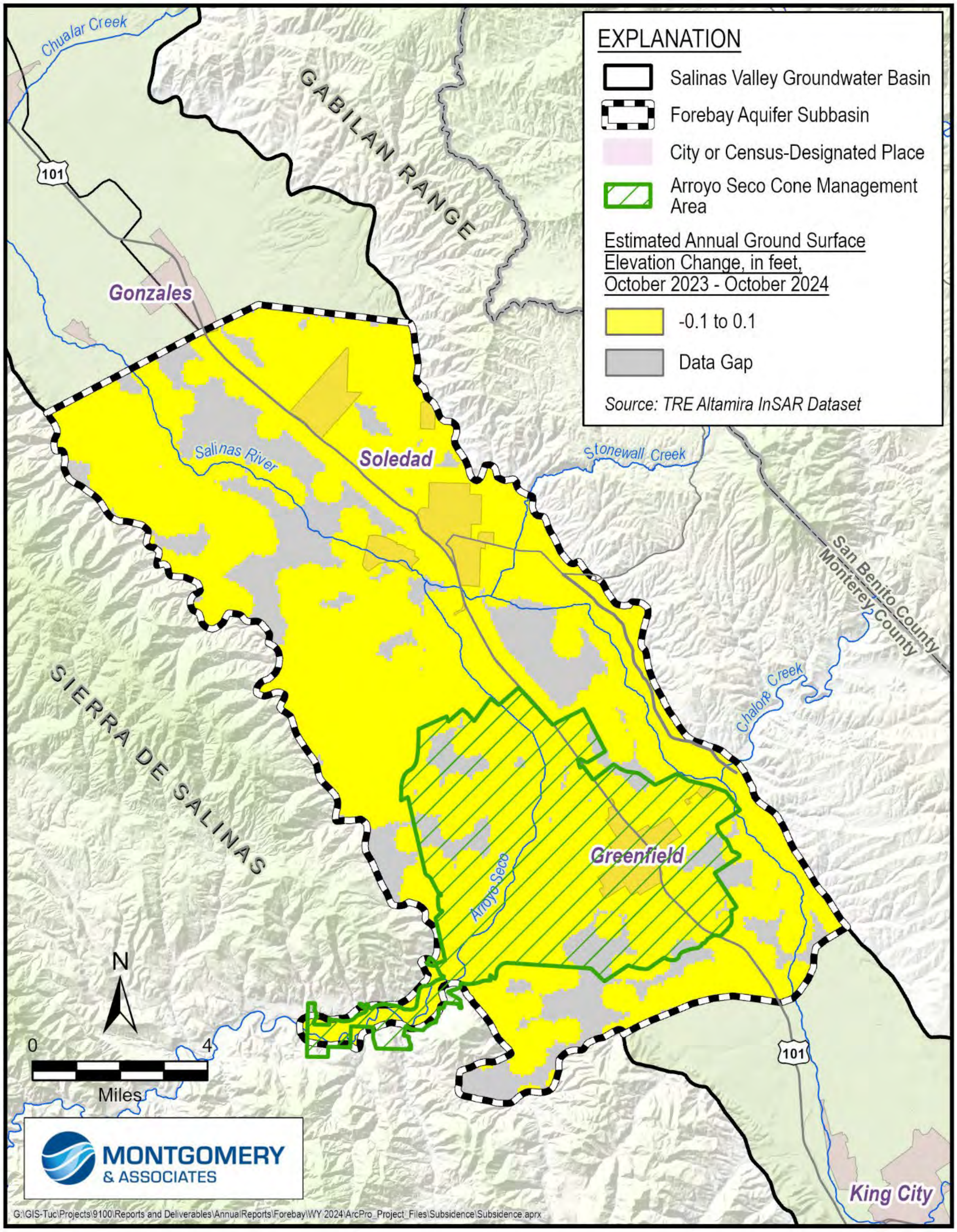


Figure 3-12. Annual Subsidence

3.6 Depletion of Interconnected Surface Water

As described in Section 4.4.5.1 of the GSP, the locations of ISW in the Forebay Subbasin are mostly along the Arroyo Seco and Salinas Rivers. ISW is monitored using shallow groundwater elevations near locations of ISW as a proxy for depletion of ISW due to pumping. Seepage from a stream to the underlying aquifer is proportional to the difference between water elevation in the stream and groundwater elevations at locations away from the stream. Assuming the elevation in the stream is relatively stable, changes in interconnectivity between the stream and the underlying aquifer are determined by changes in groundwater levels in the aquifer. The hydraulic gradient between the stream and aquifer decreases when groundwater levels in the aquifer rise, thus resulting in decreased ISW depletions. ISW depletions increase when groundwater elevations decline. The proxy relationship is established in Section 8.10.2.1.1 of the GSP.

The ISW monitoring network consists of 3 shallow RMS wells that will be supplemented with at least 1 new shallow well installed along the Arroyo Seco River. Table 3-6 lists the 2023 and 2024 shallow groundwater elevations and the annual change in shallow groundwater elevations for the ISW monitoring wells in the Subbasin. Shallow groundwater elevations increased in all 3 monitoring wells, which could indicate that there was less depletion of ISW due to pumping in WY 2024 compared to WY 2023. Pumping increased slightly from WY 2023 to WY 2024, however, recharge that occurred during these wet years could have led to an increase in shallow groundwater elevations. Figure 3-13 shows the locations of the ISW RMS wells.

SVBGSA is working to fill data gaps in the monitoring network with additional wells.

Table 3-6. Shallow Groundwater Elevation Data

Monitoring Well	WY 2023 Groundwater Elevation	WY 2024 Groundwater Elevation	Annual Change
17S/06E-33R02	162.7	163.0	0.3
18S/06E-03P01	170.7	171.0	0.3
18S/07E-32G02	208.6	209.7	1.1

In feet, NAVD88

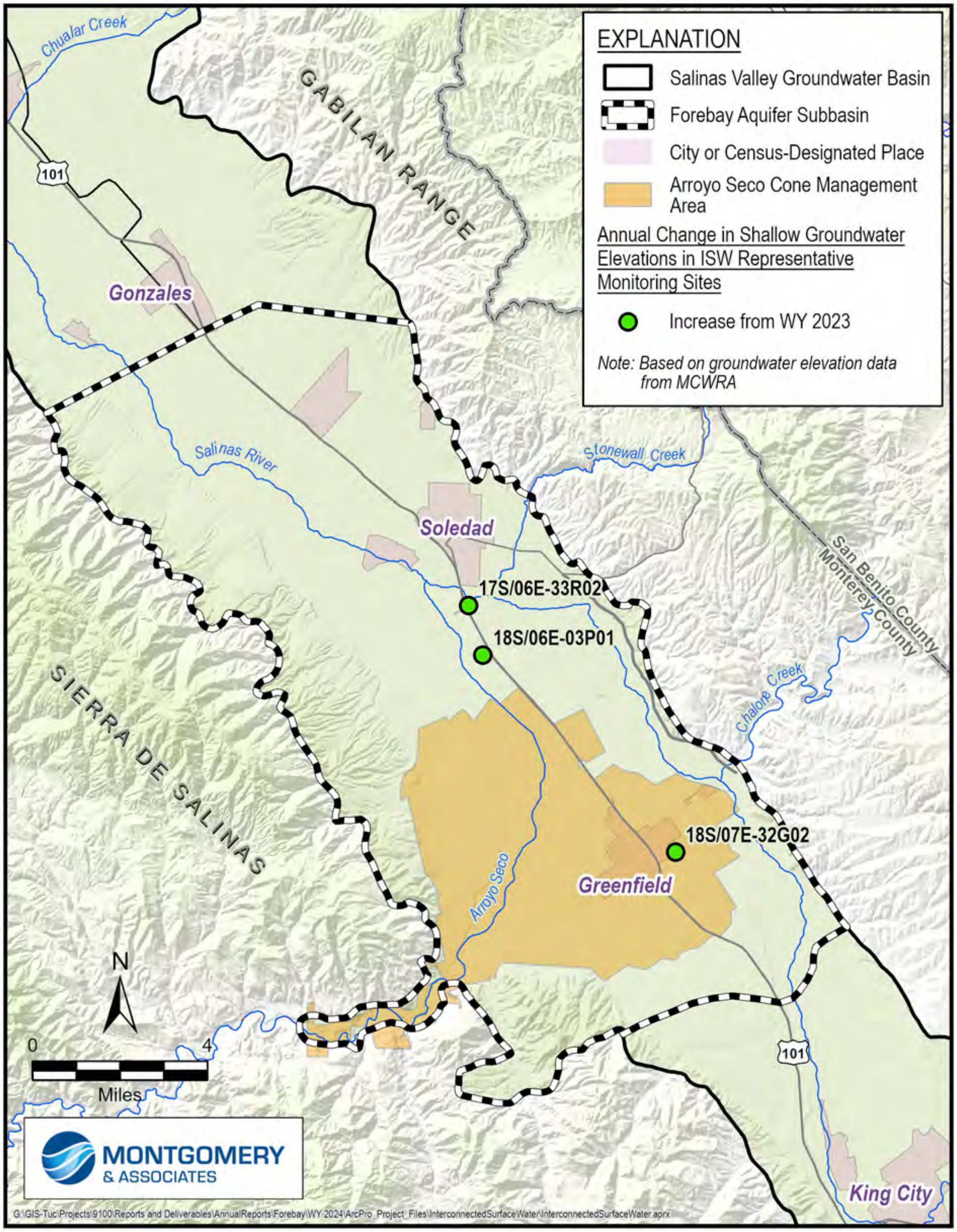


Figure 3-13. Change in Shallow Groundwater Elevations in ISW Representative Monitoring Sites

4 ANNUAL PROGRESS TOWARD IMPLEMENTATION OF THE GSP

4.1 Groundwater Management Activities

This year SVBGSA and ASGSA increased efforts in several areas. To better align with the Agency's work plan and summarize recent updates, this section reports on activities conducted throughout WY 2024 to the end of calendar year 2024–i.e., October 2023 to December 2024–with the entire period referred to as 2024. Sections are included for each of the following 4 categories in the work plan:

- General Administration
- Interested Parties Coordination and Outreach
- Data Expansion and SGMA Compliance
- Projects and Management Actions

In addition, this report notes challenges in the concluding section.

4.1.1 Progress on General Administration: GSA Policies and Operations

SVBGSA carried out general administrative activities in support of SGMA compliance, data expansion communications and outreach, and assessment of projects and management actions. SVBGSA has a contract with Regional Government Services (RGS), which provides administrative and financial staffing services. In addition to managing a range of governance, financial, and communication activities, a special effort was put into administrative process improvements and board development.

From October 2023 to December 2024, in alignment with the SVBGSA work plan, 13 Board of Directors meetings and multiple Board committee meetings, including 5 Executive Committee and 8 Budget Finance Committee meetings, were conducted to ensure effective decision-making and oversight. Coordination efforts with ASGSA continued with 2 meetings of the Coordination Committee.

Grant administration remained a key focus, with management of the SGM Round 2 Implementation Grant for the Salinas Valley underway. A Groundwater Sustainability Fee 5-year evaluation by Hansford Economic Consulting was initiated, including stakeholder input through Advisory Committee and Board meetings. The work commenced in April 2024 and concluded in Fall 2024, with potential recommendations for fee changes implemented in Fiscal Year (FY) 2026.

Financial oversight and budget preparation were enhanced through a revised format for budget and financial reports, introduced in October 2023. The FY 2025 work plan, approved in March 2024, comprised greater detail and included projections for FY 2026-FY 2027. Additionally, the Board approved three new financial policies, revisions to one existing policy, and a comprehensive Bylaws amendment that included an addition of Code of Conduct.

The Subbasin Implementation Committees Membership Program was developed, establishing guidelines for selecting and appointing members to the SVBGSA Subbasin Implementation Committees, followed by a successful solicitation of committee members for the next 2-year term.

Multiple administrative improvements were actively pursued, including an assessment of clerical tasks and staffing support. A Board ad-hoc committee was formed to evaluate services provided by RGS and conduct a performance review of General Manager in August and September 2024. Board development initiatives included a governance training session in June 2024 and the establishment of an online resource library for board members.

Overall, these accomplishments reflect a commitment to strong governance, financial responsibility, and transparent communication in support of the agency's strategic goals.

Progress according to individual General Administrative tasks within the work plan are summarized in Table 4-1.

Table 4-1. Progress on SVBGSA General Administrative Tasks within Work Plan as of December 2024

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments (from October 2023 to December 2024)
Organize and Conduct Agency Board and Committee Activities	Manage Board of Directors (BOD, or Board), Executive Committee, Budget and Finance Committee activities			x		Ongoing; the Board of Directors meets monthly; the Board met 13 times, Executive Committee met 5 times, and the Budget and Finance Committee met 8 times.
	Manage ASGSA-SVBGSA partnership			x		Held 2 Coordination Committee (CC) meeting. Staff is preparing amendments to the coordination agreement.
Provide Grant Administration	Manage SGM Round 1, SGM R2 SVBGSA and SGM R2 MCWDGSA Implementation Grants			x		Ongoing
Prepare Regulatory Fee Study Update	Develop scope of work. timeline and process				x	Joint Advisory Committee and Board meeting to provide input for scope held in October, survey conducted and shared with AC in December, Board made a final decision in January 2024. Agreement with HEC executed in March 2024.
	Conduct Sustainable Groundwater Fee 5-Yr Evaluation and prepare memorandum. Manage the process, outreach and implementation			x		Technical Memorandum by HEC accepted by the Board in Nov 2024. Advisory Committee developed a recommendation for the Board in regard to implementing the Fee changes in FY 2026. Decision on which recommendations to implement anticipated to be made in Spring 2025.
Manage Budget Preparation and Financial Reporting	Improve the format and process for financial reports			x		New budget and financial report format developed in October. Bi-monthly financial reports produced going forward. Continuing to assess and include enhancements for greater transparency
	Prepare work plan and annual draft budget		x			FY 2026 work plan to be prepared for Board review in Feb/Mar 2025.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments (from October 2023 to December 2024)
Provide Administrative Oversight	Review and update Agency policies			x		Ongoing to ensure relevancy.
	Assess and improve administrative processes			x		Ongoing
	Determine appropriate staffing support for administrative services			x		Ad-Hoc committee convened to assist Board in evaluating the services provided by RGS. Board conducted GM evaluation in October 2024. Process for GM performance and RGS services review under discussion by Executive Committee.
Coordinate Board Development	Engage Board and staff in Agency vision and values discussion				x	Prepared a Code of Conduct that is included in Amended Bylaws, approved by Board in August 2024.
	Assess structure, goals and purpose of all committees			x		Developed Subbasin Implementation Committee Membership Program, conducted solicitation for new term. Committee members appointed by Board in September 2024. Advisory Committee structure and role under review.
	Develop Board development strategy			x		Conducted a Board governance training in June 2024. Board resource library available on svbgsa.org. Second training planned for later in FY.
Manage Communications	Develop Agency communications strategy				x	Developed a communications strategy to be implemented by Miller Maxfield in FY 2025 and FY 2026.
	Develop work plan to support the communications strategy			x		Developed in alignment with FY 2025 work plan. Periodic updates of the work to be brought to Board.
	Revamp and enhance Agency website			x		Ongoing

4.1.2 Progress on Interested Parties Coordination and Outreach

During 2024, SVBGSA and ASGSA continued collaboration. SVBGSA continued to coordinate with partner agencies, conduct extensive engagement of stakeholders, and outreach on groundwater and SGMA activities. The Forebay Implementation Committee met 5 times during the year.

Staff of SVBGSA had frequent discussions with ASGSA and MCWRA counterparts ensuring the alignment between these organizations. SVBGSA and MCWRA continued to strengthen collaboration further, particularly with monitoring and data activities and the tasks under the Round 1 and 2 SGM Implementation Grants. SVBGSA also held other ongoing meetings with County of Monterey Environmental Health Bureau, land use jurisdictions, and Preservation, Inc., who assists growers with Irrigated Lands Regulatory Program compliance.

Conducting periodic outreach with small water systems, domestic well owners, Disadvantaged Communities (DACs), growers not currently involved, and other stakeholders on topics such as groundwater, SGMA, and SVBGSA remains a challenge, given such a diverse audience and the complexity of the issues. SVBGSA worked with Miller Maxfield, a local communications firm, to develop a communication strategy to expand the reach and enhance the narrative. Miller Maxfield assisted with improving the website, preparing outreach materials, and utilizing social media to effectively engage more people. SVBGSA actively participated in the Water Awareness Committee (WAC) to disseminate information and resources about SVBGSA, groundwater management, and domestic water use efficiencies. This included, among other things, having a booth at the Monterey County Fair with other WAC member agencies.

As part of SVBGSA efforts on advancing the demand management dialogue, 5 Our Water Future in the Salinas Valley workshops were held in Spring 2024 at different locations in the Salinas Valley. These workshops, jointly planned and executed by Dave Ceppos, Miller Maxfield, and Montgomery & Associates, were widely advertised and geared toward the general public. Along with presentations by guest speakers and having lively discussions with them, participants engaged in a water management exercise to illustrate key concepts. For these events, the Marcom Awards honored Miller Maxfield and SVBGSA with Gold in Public Relations: Special Event 2024 recognition.

Progress on individual Interested Parties and Outreach tasks within the work plan are summarized in Table 4-2.

Table 4-2. Progress on SVBGSA Interested Parties Coordination and Outreach as of December 2024

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments (includes meetings from October 2023 to December 2024)
Utilize SVBGSA Committees and Partnerships for informing constituents	Host Advisory Committee (AC)			x		AC meets bi-monthly or as needed to provide community input to the BOD; held 7 AC meetings
	Host Subbasin Implementation Committees			x		Held 5 Forebay Committee meetings
	Host Groundwater Technical Advisory Committee (GTAC)			x		Meets as needed; held 5 GTAC meetings
	Coordinate meetings with partner agencies: MCWRA, M1W, MCWD GSA, ASGSA, MCEHB, Water Quality Coordination Group, Land Use Coordination Group			x		Regularly met with partner agencies regularly for general coordination and on specific work streams.
	Develop scientific communication materials and outreach materials for events			x		In partnership with Miller Maxfield, developed materials for County Fair and North Monterey County Community Resource Festival
Engage with Underrepresented and Disadvantaged Communities	Review 2020 DAC engagement strategy and develop implementation plan through 2027		x			Developing implementation plan in support of SGM R2 grant scope. Initiated planning for Water Leadership Institute with EDF and RCDC
	Form AC DAC Working Group		x			Developing implementation plan in support of SGM R2 grant scope.
	Translation of SVBGSA website and key information			x		Activated translation feature on svbgsa.org
Enhance Partnerships with Domestic Well Owners	Support Dry Well Notification Program			x		Information about the Dry Well Notification Program distributed to interested parties and shared via social media channels
	Water Awareness Committee/ Conservation Communication			x		Staff participates and contributes to the WAC. Held booth at Monterey County Fair WAC Water Showcase on August 31, 2024.
	Domestic Well Owner Outreach/ Water Use Efficiency Resources		x			Planning for development of Rural Residents Water Efficiency Pilot Program

4.1.3 Progress on Data Expansion and SGMA Compliance

Along with annual SGMA compliance tasks, SVBGSA and partner agencies focused heavily on filling data gaps and groundwater modeling this year to establish a solid basis for planning projects and management actions. Main workstreams included the following:

- **Groundwater Monitoring Program with Well Registration and Groundwater Extraction Monitoring Expansion:** SVBGSA collaborated with MCWRA on the development of a Groundwater Monitoring Program. MCWRA adopted Ordinance 5246 in October 2024. The Ordinance updates the previous groundwater extraction monitoring program, expands extraction reporting to the SVBGSA geographic boundaries, expands well registration to all types of wells in the SVBGSA geographic boundaries, aligns the extraction reporting period with the water year, and shifts the extraction reporting timeline earlier to make data available for SGMA annual reports. MCWRA furthered the existing well registration program with desktop data collection to summarize the locations and depths of all wells with existing information from public records. The data will be used for outreach to well owners to register their wells. WY 2024 extraction data was provided by MCWRA in time to be included in the WY 2024 Annual Report.
- **GDE Verification:** The GDE Working Group continued providing input to SVBGSA and the Central Coast Wetlands Group (CCWG) about the methodology to identify GDEs and an approach to monitor and assess impacts to GDE health. CCWG completed a GDE identification and GDE Monitoring Standard Operating Procedure.
- **HCM Update:** In preparation for the GSP 2027 Periodic Evaluation and groundwater flow model updates, Montgomery & Associates updated the Subbasin's HCM. Based on new information that has become available since the development of the GSP, such as the AEM data, priorities were identified to adjust the conceptualization according to the new data and, if needed, new analyses. The data, methods, and key findings are summarized in Appendix A.

One challenge was the continued delay in the completion of the final Valley-wide Salinas Valley Integrated Hydrologic Model (SVIHM) under development by USGS. The public release of the Valley-wide model is now anticipated in early 2025.

Additional SGMA compliance activities during 2024 included updating SVBGSA's Data Management System and web map, submitting monitoring data to DWR, and completing annual reports.

Progress on individual Data Expansion and SGMA Compliance tasks within the work plan is summarized in Table 4-3. The approach and progress on RCAs were described in the WY 2023 Annual Report, and the progress towards addressing them is summarized in Table 4-4.

Table 4-3. Progress on SVBGSA Data Expansion and SGMA Compliance as of December 2024

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
Develop Well Registration Program	Conduct desktop data collection			x		MCWRA completed the desktop analysis for existing well records in 180/400 and is in progress for the remaining subbasins.
	Develop well registration program, policies and procedures			x		MCWRA ordinance (No. 5426) was passed for the Groundwater Monitoring Program (GMP) which includesexpansion of groundwater extraction monitoring and well registration. MCWRA has also developed a GMP Manual. Service agreement, along with annual task orders (between MCWRA and SVBGSA) is being prepared to formalize the partnership
	Develop well registration program report (implementation plan)		x			Preparing a summary report of well registration data and data gaps
	Conduct outreach and data solicitation			x		MCWRA and SVBGSA developing outreach strategy and schedule to inform various interest groups and general public. General outreach about the GMP has begun, specific activities to individual target groups are being planned.
	Conduct data management options evaluation		x			MCWRA is scoping and planning well registration data management systems options.
Expand and Enhance Groundwater Extraction Monitoring	Development and adoption of regulatory framework in collaboration with MCWRA				x	MCWRA ordinance (No. 5426) was passed for the GMP which includes expansion of groundwater extraction monitoring and well registration. MCWRA has also developed a GMP Manual.
	Conduct feasibility study for extraction data collection			x		Five growers participated in a feasibility study for using satellite data to estimate net groundwater extraction. Cal Poly collected and processed data and produced a report.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
						"Well bubblers" are used to measure groundwater elevation and might be helpful to pair with extraction data. 1 domestic well owner and 3 agricultural well owners have agreed to test the tool.
	Develop groundwater extraction monitoring expansion and enhancement implementation report			x		Preparing a summary report of groundwater extraction monitoring expansion and data gaps
	Develop groundwater extraction monitoring policies and/or procedures			x		Service agreement, along with annual task orders (between MCWRA and SVBGSA) are being prepared to formalize the partnership.
	Conduct groundwater extraction monitoring field work and data collection		x			Service agreement, along with annual task orders (between MCWRA and SVBGSA) are being prepared to formalize the partnership
Expand Groundwater Level Monitoring Network	Well design, bid assist, construction management, & monitoring activities			x		Well construction of 2 wells is planned in the Forebay Subbasin.
Test Aquifer Properties	Fill aquifer properties data gap(s)		x			Reviewed Monterey County permit files for existing reports. Working with landowners to plan tests.
Prepare Hydrogeologic Conceptual Model (HCM) for GSP 5-year Evaluations	Refine and incorporate new data into HCMs			x		The refined HCM (incorporating AEM data) for Forebay Subbasin has been finished and presented. M&A is completing the final memos.
	Prepare valley-wide HCM report			x		Refined HCMs will be incorporated into a valley-wide report.
Verify Groundwater Dependent Ecosystems (GDEs)	Develop methodology with CCWG				x	GDE Working Group convened seven times to provide CCWG and SVBGSA input. Additional subject matter experts were consulted for their input on the methodology. Methodology was presented at the June Advisory Committee meeting.
	Conduct field reconnaissance to verify presence		x			Work planned for 2025

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
Host and Manage DMS	Manage and update DMS concurrent with annual report preparation			x		Upload of new water year data into DMS in progress
Maintain, Enhance and Update Groundwater Models	Provide USGS model oversight			x		Anticipate completion of Model in early 2025.
	Manage USGS Tech Services Agreement			x		SVBGSA fiscal contribution.
	Plan and implement groundwater model updates		x			Upon completion of the model updates, new versions will be used to evaluate PMAs
	Review/update completed model and prepare a summary report	x				
Prepare Annual Reports	Gather input from ICs			x		Input requested from all committees for WY 2024 conditions and narrative.
	Prepare, submit and present annual reports			x		M&A is working on preparing WY 2024 Annual Reports due to DWR by April 1.
	Provide options and recommendation for AR process to BOD				x	Inform BOD on the role of subbasin implementation committees in the preparation of annual reports.
Address RCAs	Review RCAs and develop strategies for addressing them			x		RCAs and proposed strategies for addressing them were presented to the subbasin implementation committees for their review and input. Respective activities will be included in the Work Plans for FY 2025 and beyond.
Review Well Permits (as needed)	Review Well Permits (as needed)			x		EO N-7-23 no longer in place.
Carry out Other GSP Implementation Actions	Prepare Water Quality Coordination Update Report		x			Coordination initiated with County through Basin Investigation.
	Prepare Land Use Update Report		x			

Table 4-4. Plan for Addressing RCAs

No.	RCA	Action to Address	Status
1	Conduct necessary investigations or studies to understand the degree to which groundwater extraction affects groundwater quality in the Subbasin.	• SVBGSA and ASGSA will conduct analysis of 2015 groundwater quality in relation to groundwater levels and extraction.	• Met with DWR in 2023 to gain clarification on DWR expectations. • Plan to conduct analysis in Fall 2025.
2	Investigate the connectivity of the upper saturated zone to the principal aquifer to determine if a continuous upper saturated zone connects to the principal aquifer.	• SVBGSA and ASGSA will use the shallow wells installed for ISW and GDEs to assess connections between shallow groundwater and primary aquifers.	• To be completed by 2027 Periodic Evaluation.
3	Conduct necessary field reconnaissance for GDE identification. Update future iterations of the GSP with the results of the field studies to identify GDEs in the Subbasin.	• SVBGSA and ASGSA will work with Central Coast Wetlands Group to map potential GDEs and conduct field reconnaissance.	• SVBGSA is developing an approach and methods in other subbasins, and will expand this work to Forebay with SGM Round 2 Implementation Grant.
4	Provide more information about how the proposed minimum thresholds for the chronic lowering groundwater levels may impact beneficial uses and users. Specifically, work to obtain additional well information and consider the impact of the selected minimum threshold levels on supply wells. The consideration should identify the degree/extent of potential impact including the percentage, number and location of potentially impacted wells at the proposed minimum thresholds for chronic lowering of groundwater levels.	• SVBGSA will provide more information to beneficial uses and users, with an initial focus on outreach to domestic well owners. • SVBGSA is developing a valley-wide well registration database • SVBGSA will re-assess impacts after the database is complete.	• Underway and will increase with R2 Grant Funding. • Underway with MCWRA. • To be completed when well registration database complete, no later than 2027.
5	Revise the definition of undesirable results so that exceedances of minimum thresholds caused by groundwater extraction, whether the GSA has implemented pumping regulations or not, are considered in the assessment of undesirable results in the Subbasin.	• SVBGSA and ASGSA will review conditions and provide explanation when exceedances occur. • SVBGSA and ASGSA will revise undesirable result in next amendment to include pumping impacts regardless of GSA action. • SVBGSA and ASGSA will provide a more thorough analysis in 2027 Periodic Evaluation.	• Underway with this Annual Report. • Planned for 2027 Periodic Evaluation. • Planned for 2027 Periodic Evaluation.
6	Provide the rationale for using 2019 concentration data instead of 2015 concentration data as the baseline for setting minimum thresholds for degraded water quality.	• SVBGSA and ASGSA will evaluate if using 2015 leads to different SMC, and based on results may reconsider SMC if needed or provide rationale.	• Planned for Fall 2025.

No.	RCA	Action to Address	Status
7	Department staff understand that estimating the location, quantity, and timing of stream depletion due to ongoing, Subbasin-wide pumping is a complex task and that developing suitable tools may take additional time; however, it is critical for the Department's ongoing and future evaluations of whether GSP implementation is on track to achieve sustainable groundwater management. The Department plans to provide guidance on methods and approaches to evaluate the rate, timing, and volume of depletions of interconnected surface water and support for establishing specific sustainable management criteria in the near future. This guidance is intended to assist GSAs to sustainably manage depletions of interconnected surface water. In addition, the GSA should work to address the following items by the first periodic update: a. Establish sustainable management criteria for all conditions within the Subbasin regardless of whether conservation releases are occurring or not. b. Consider utilizing the interconnected surface water guidance, as appropriate, when issued by the Department to establish quantifiable minimum thresholds, measurable objectives, and management actions. c. Continue to fill data gaps, collect additional monitoring data, and implement the current strategy to manage depletions of interconnected surface water and define segments of interconnectivity and timing. d. Prioritize collaborating and coordinating with local, state, and federal regulatory agencies as well as interested parties to better understand the full suite of beneficial uses and users that may be impacted by pumping induced surface water depletion within the GSA's jurisdictional area.	• SVBGSA and ASGSA will review forthcoming DWR guidance and refine SMC based on it, as appropriate for the Subbasin.	• Awaiting DWR guidance on ISW.

4.1.4 Progress on Management Actions and Projects

Management actions and projects identified in the GSP are sufficient for maintaining sustainability in the Forebay Subbasin throughout the 50-year SGMA planning horizon; however, not all need to be implemented. Planning at the subbasin level while coordinating multi-subbasin projects and at a Valley-wide scale is an ongoing challenge within the Salinas Valley. While this Annual Report focuses on strategies to maintain sustainability in the Forebay Subbasin, SVBGSA staff, the Advisory Committee, and the Board of Directors continue to coordinate between subbasins. Projects and management actions will be integrated with those of the other Salinas Valley subbasins as appropriate during GSP implementation. Impacts on other subbasins will be analyzed and considered as part of prioritization and design. Prior to implementation, projects and management actions will be evaluated in the context of this Subbasin and the entire Valley.

The Forebay Subbasin has had sufficient RMS wells with groundwater levels above the minimum thresholds to avoid undesirable results. However, groundwater levels are not consistently at measurable objective goals and the Subbasin experiences severe declines during multi-year droughts and when there are consecutive years without summer reservoir releases. SVBGSA, ASGSA, and MCWRA are moving forward with some actions that will positively impact groundwater conditions.

During 2024, SVBGSA and partner agencies and organizations moved forward on several key workstreams:

- **SMC Technical Advisory Committee (TAC):** Since the Forebay Subbasin is not currently experiencing undesirable results, the SMC TAC is establishing action levels that indicate management actions or projects may be needed. Through 3 meetings this year, the SMC TAC developed short-term and long-term action levels for the Groundwater Level SMC. With the results of this Annual Report, the SMC TAC will pilot application of the action levels, adjust as needed, and move on to setting action levels for the other SMC. For more information on the Groundwater Level SMC Action Levels and data analysis to be taken if an Action Level is exceeded, see https://svbgsa.org/forebay-subbasin/.

- **Multi-benefit Stream Channel Improvements:** SVBGSA continued to partner with the Resource Conservation District of Monterey County, who continued to work with project partners to maintain the river corridor, map and remove Arundo donax, and estimation of associated water savings. SVBGSA continued to support FlowWest to assess groundwater benefits of vegetation removal and sediment management under the Salinas River Stream Maintenance Program. This modeling work will help quantify the groundwater recharge benefits.

- **Arroyo Seco Management Area: Inventory of Rural Well Water Quality:** With Round 2 SGM Implementation Grant funding, ASGSA worked with Todd Groundwater to investigate groundwater quality of rural domestic wells. The investigation included an inventory of rural domestic wells and small water system wells, including location, depth, and water quality, in order to inform a GSP management action to educate those users regarding water quality improvement options.

- **Valley-wide Demand Management Workshops**: Building on the Situation Assessment completed the prior year, this year SVBGSA worked with Dave Ceppos from California State University Sacramento Consensus and Collaboration Program, M&A, and Miller Maxfield to hold 5 workshops on Planning for Uncertainty across the Valley. The workshops were aimed at engaging the public in understanding and visioning a wide variety of actions that can help plan for uncertainty. These workshops shared a wide variety of conservation and demand management actions, which preface subbasin-specific dialogues.
- **Deep Aquifers:** After conducting the Groundwater Technical Advisory Committee (GTAC) review process, M&A finalized the Salinas Valley Deep Aquifers Study. This Study defines the geographic extent, summarizes groundwater conditions, and includes a water budget of the Deep Aquifers. After the Study was completed in April 2024, it was received by several agency Boards, including the SVBGSA Board, MCWDGSA Board, MCWRA Board of Directors, and the County of Monterey Board of Supervisors. These agencies established a Deep Aquifers Agency Working Group to develop recommendations for monitoring and management based on the Study's findings and guidance.
- **Irrigation Efficiency:** SVBGSA's approach to promoting irrigation efficiency is through supporting existing agricultural extension efforts for efficient agricultural irrigation. The goal is for the extension programs to promote voluntary actions that will result in reduced demand. SVBGSA partnered with the University of California Cooperative Extension, a neighboring GSA Pajaro Valley Water Management Agency and local Resource Conservation Districts to develop a website on water-efficient agricultural practices appropriate for the Central Coast. The website is under development and will be published during WY 2025.
- **Habitat Conservation Plan (HCP) and Reservoir Reoperation:** MCWRA continued to develop the Salinas River Operations HCP, working together with interested parties through the HCP TAC. The goals of the Salinas River Operations HCP are to restore the balance between natural resource conservation and water resources management by improving habitat conservation efforts in the Salinas River watershed; encouraging sustainable water resources operations; and maintaining and enhancing riverine processes while meeting the needs of agricultural, urban, and domestic water users in the watershed. As the HCP TAC considers potential reservoir reoperation scenarios, the SVBGSA is participating to help analyze impacts to groundwater recharge along the Salinas River and/or the relationship to GSP interconnected surface water SMC goals. The Sustainability Strategy includes Reservoir Reoperation as a feasibility analysis that will be undertaken with the SGM Round 2 Implementation Grant. It will build on the HCP TAC work to assess the effects of alternative reservoir operations on SMC.

This year, the Drought Technical Advisory Committee (D-TAC) led by MCWRA was not triggered.

Table 4-5 summarizes SVBGSA's work to implement Management Action and Project tasks within the Work Plan.

Table 4-5. Progress on Projects and Management Actions as of December 2024

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
Develop and Support Website for Central Coast Ag Water BMPs	Engage with partner agencies and contract with website developer to create website			x		Work under way with RCDMC, RCDSC, PVWMA, SVBGSA and UCCE collaborating on website development and content. Executed contract with TreeTop Web Design for building the website. Draft website has been created and partners are adding content.
Investigate water quality in the ASCMA	Investigate water quality in the ASCMA			x		Sub-grant agreement with ASGSA executed. ASGSA has begun investigation.
Assess Groundwater Benefits of Salinas River Stream Maintenance Programs	Model the program impact to recharge and conduct stakeholder outreach			x		Executed agreement with FlowWest and initiated coordination meetings with RCDMC, MCWRA and M&A which continue as HEC-RAS model is updated and various flow scenarios are investigated.
Assess and Develop Demand Management	Conduct DM dialogue process			x		Subbasin focused work started in 180/400 and Eastside. Contracted with ERA Economics to include economic analysis.
	Conduct legal analysis of DM			x		Staff is working with special counsel to prepare a legal white paper that has been routed for peer review. Final draft anticipated to be available in March 2025.
Refine Sustainability Strategies	Assist with implementation of sustainability strategies and projects/management actions (PMAs)			x		Sustainability strategy and PMAs under review and discussion by subbasin committees.
	Provide technical support services			x		M&A to support staff as needed.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
Work with SMC TACs on PMAs in Forebay and Upper Valley	Establish triggers for PMAs in Forebay SB (by SMC TAC)			x		Board appointed SMC TAC convened 3 times to discuss ideas for "action levels". Draft approach for groundwater levels was shared with subbasin committee. Next meeting scheduled for April 2025
Refine Sustainability Strategy	Assist with implementation of sustainability strategies and projects/management actions (PMAs)			x		Sustainability strategy and PMAs under review and discussion by subbasin committees
Conduct Deep Aquifer Study	Review by GTAC, finalize and present study				x	Administrative draft of the study completed in December 2023. Study completed in May 2024 and presented to agency boards in Summer/Fall 2024.

4.2 Sustainable Management Criteria

The Forebay Subbasin GSP includes descriptions of significant and unreasonable conditions, minimum thresholds, interim milestones, measurable objectives, and undesirable results for each of DWR's 5 sustainability indicators relevant to this Subbasin. The SVBGSA and ASGSA developed and defined significant and unreasonable conditions based on public meetings, local interested party input and staff discussions. Although the ASCMA and the greater Forebay Subbasin are managed by different GSAs, both areas will be managed cooperatively to meet the sustainability goal of the entire Subbasin. The undesirable results for all sustainability indicators are defined consistently throughout the Subbasin. The SMC are individual criterion that will each be met independently and simultaneously. A comparison of the data presented in Section 3 and the SMC criteria are included for each sustainability indicator in the following sections.

Significant and unreasonable conditions occur due to inadequate groundwater management and qualitatively describe groundwater conditions deemed insufficient by the Forebay Subbasin Planning Committee. Minimum thresholds are quantitative indicators of the Subbasin's locally defined significant and unreasonable conditions. An undesirable result is a combination of minimum threshold exceedances that shows a significant and unreasonable condition across the Subbasin as a whole. Measurable objectives are the goals that reflect the Subbasin's desired groundwater conditions for each sustainability indicator and provide operational flexibility above the minimum thresholds. The GSP and Annual Reports must demonstrate that groundwater management will not only avoid undesirable results, but will enable the Subbasin to be at the measurable objectives by 2042. DWR uses interim milestones every 5 years to review progress from current conditions to measurable objectives.

Since the GSP addresses long-term groundwater sustainability, some of the metrics for the sustainability indicators may not be applicable in each individual future year. The GSP is developed to avoid undesirable results—under average hydrogeologic conditions—with long-term, deliberate groundwater management. Average hydrogeologic conditions are the anticipated future groundwater conditions in the Subbasin, averaged over the planning horizon and accounting for anticipated climate change. Pursuant to SGMA Regulations (California Water Code § 10721(w)(1)), "Overdraft during a period of drought is not sufficient to establish a chronic lowering of groundwater levels if extractions and groundwater recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods." Therefore, groundwater levels may temporarily exceed minimum thresholds during prolonged droughts, which could be more extreme than those that have been anticipated based on historical data and anticipated climate change conditions. Such temporary exceedances do not constitute an undesirable result. Future groundwater conditions are based on historical precipitation, evapotranspiration, and streamflow, as well as reasonably anticipated climate change and sea level rise according to DWR's recommended climate change scenario (DWR, 2018). The average hydrogeologic conditions include reasonably anticipated wet and dry periods.

Table 4-6 lists the projected average annual precipitation at the Salinas Municipal and King City Airports for 2030 and 2070, accounting for reasonable future climatic change (DWR, 2018). These projections are based on climate datasets developed for modeled future projections for the GSP. This table also includes the historical average precipitation, average measured precipitation since GSP implementation, and the current annual precipitation total for WY 2024. The WY 2024 precipitation was above the historical observed average precipitation, the observed average precipitation since GSP implementation that is used to represent the average hydrologic conditions for the Subbasin, and the modeled projected 2030 and 2070 precipitation. For the second consecutive year, the Subbasin experienced high precipitation and recharge from rivers, resulting from wetter conditions following the wet WY 2023. WY 2024 was classified as a wet-normal year, and therefore it is more likely that groundwater levels were high or remained stable and less likely that minimum thresholds are exceeded.

Table 4-6. Current Annual Precipitation, Average Annual Precipitation After GSP Implementation, and Average Annual Projected Precipitation

	Salinas Municipal Airport Precipitation (Inches)	King City Airport Precipitation (Inches)
Current (WY 2024)	14.8	16.8
Historical Average (WY 1991-2020)	12.6	11.8
Average After GSP Implementation (WY 2021-2024)	10.7	12.6
2030 Projected Average	12.0	10.4
2070 Projected Average	12.5	10.8

4.2.1 Chronic Lowering of Groundwater Levels SMC

4.2.1.1 Minimum Thresholds

Section 8.6.2.1 of the Forebay Subbasin GSP describes the information and methodology used to establish minimum thresholds for chronic lowering of groundwater levels. In the Forebay Subbasin, the minimum thresholds were set to December 2015 groundwater elevations. The minimum threshold values for each well within the groundwater elevation monitoring network are provided in Table 4-7. December 2024 groundwater elevation data are color coded on this table: red cells mean the groundwater elevation is below the minimum threshold, yellow cells mean the groundwater elevation is above the minimum threshold but below the measurable objective, and green cells mean the groundwater elevation is above the measurable objective. Groundwater elevations are also compared against the Groundwater Level SMC on Figure 4-2. Groundwater elevations in all 37 groundwater level monitoring RMS wells in the Subbasin were above their minimum threshold in WY 2024.

Table 4-7. Groundwater Elevation Data, Minimum Thresholds, and Measurable Objectives

Below Minimum Threshold		Above Minimum Threshold	Above Measurable Objective	
Monitoring Site	**Minimum Threshold**	**WY 2024 Groundwater Elevations**	**Interim Milestone at Year 2027**	**Measurable Objective (goal to reach at 2042)**
17S/05E-02N04	89.7	114.2	106.8	108.5
17S/05E-03R50	89.7	112.9	108.4	111.5
17S/05E-04R01	82.7	107.1	101.9	101.8
17S/05E-06Q01	92.5	100.8	98.0	97.9
17S/05E-08L02	93.1	106.7	111.8	109.4
17S/05E-09R01	95.9*	115.9	112.6	112.8
17S/05E-27A01	116.9	138.6	135.1	134.6
17S/05E-36F02	120.9	143.0	137.6	136.6
17S/06E-19D01	118.6	140.7	136.1	135.5
17S/06E-27K01	137.9	165.6	158.3	156.2
17S/06E-29C01	129.9	150.2	147.0	144.8
17S/06E-33R01	141.9	165.9	162.6	160.7
17S/06E-33R02	142.0	163.0	162.4	159.7
17S/06E-35J01	151.5	174.8	173.5	171.2
18S/06E-01E01	149.3	180.4	173.0	174.1
18S/06E-02N01	142.2	175.6	166.5	164.0
18S/06E-05R03	136.1	163.4	156.0	154.0
18S/06E-06M01	144.8	157.3	163.3	162.6
18S/06E-11J01	154.4	181.4	181.1	177.1
18S/07E-19G02	151.2	198.4	175.3	175.7
19S/07E-10P01	204.5	233.7	228.8	227.8
Arroyo Seco Cone Management Area				
18S/06E-16L01	140.4	173.4	167.9	168.4
18S/06E-22B02	153.2	177.6	177.9	180.8
18S/06E-22B03	157.2	179.6	186.4	183.8
18S/06E-27A01	***166.2***	189.0	193.0	197.3
18S/06E-24M01	161.9	195.3	191.8	187.4
18S/06E-24M02	162.0	195.4	192.0	187.4
18S/06E-25F01	167.9	200.0	196.6	199.0
18S/06E-34B01	167.2	199.4	194.2	199.5
18S/06E-35F01	165.9	201.3	191.6	198.9
18S/06E-35F02	166.5	206.2	203.3	203.6
18S/07E-20K01	160.6	205.3	186.2	183.7
18S/07E-28N01	180.8	208.8	202.5	203.6
19S/06E-01H01	181.3	210.8	204.3	207.0
19S/06E-11C01	175.6	211.0	204.6	206.3
19S/07E-04Q01	207.1	222.9	224.4	223.9
19S/07E-05B02	189.2	214.8	210.1	210.0

In feet, NAVD88
*Groundwater elevation was estimated.

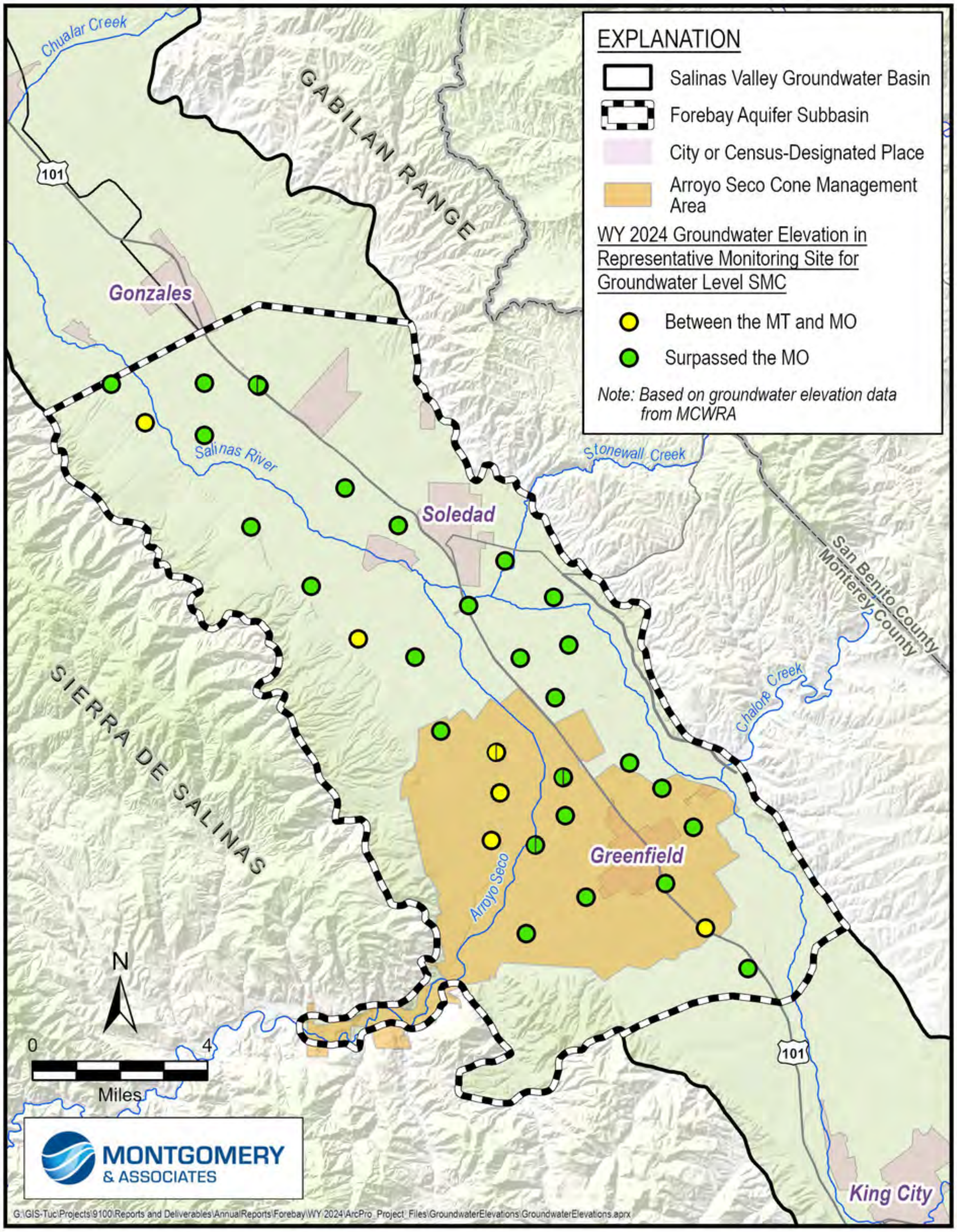


Figure 4-1. Groundwater Elevations Compared to the Minimum Thresholds and Measurable Objectives

4.2.1.2 Measurable Objectives and Interim Milestones

The measurable objectives for chronic lowering of groundwater levels represent target groundwater elevations that are higher than the minimum thresholds. These measurable objectives provide operational flexibility to ensure that the Subbasin can be managed sustainably over a reasonable range of hydrologic variability. Measurable objectives for the chronic lowering of groundwater levels are summarized in Table 4-7. In WY 2024, 30 wells had groundwater elevations higher than their measurable objective and are represented by the green cells in Table 4-7.

To show progress toward measurable objectives, DWR requires assessment of interim milestones at 5-year intervals. The 2027 interim milestones for groundwater elevations are also shown in Table 4-7. The WY 2024 groundwater elevations in 23 RMS wells are already higher than the 2027 interim milestones.

4.2.1.3 Undesirable Result

The chronic lowering of groundwater levels undesirable result is a quantitative combination of groundwater elevation minimum threshold exceedances. For the Subbasin, the groundwater elevation undesirable result is:

> *More than 15% of the groundwater elevation minimum thresholds are exceeded.*

Table 4-7 shows that none of the RMS wells exceed their minimum threshold and therefore, an undesirable result does not exist. Groundwater elevation minimum threshold exceedances, compared with the undesirable result, are shown on Figure 4-3. If a value is in the shaded red area, it would constitute an undesirable result. This graph is updated annually with new data to demonstrate the sustainability indicator’s direction toward sustainability. All RMS wells had a fall 2024 groundwater elevation measurement, but starting next year, undesirable results will be assessed based only on the RMS wells that have a fall measurement.

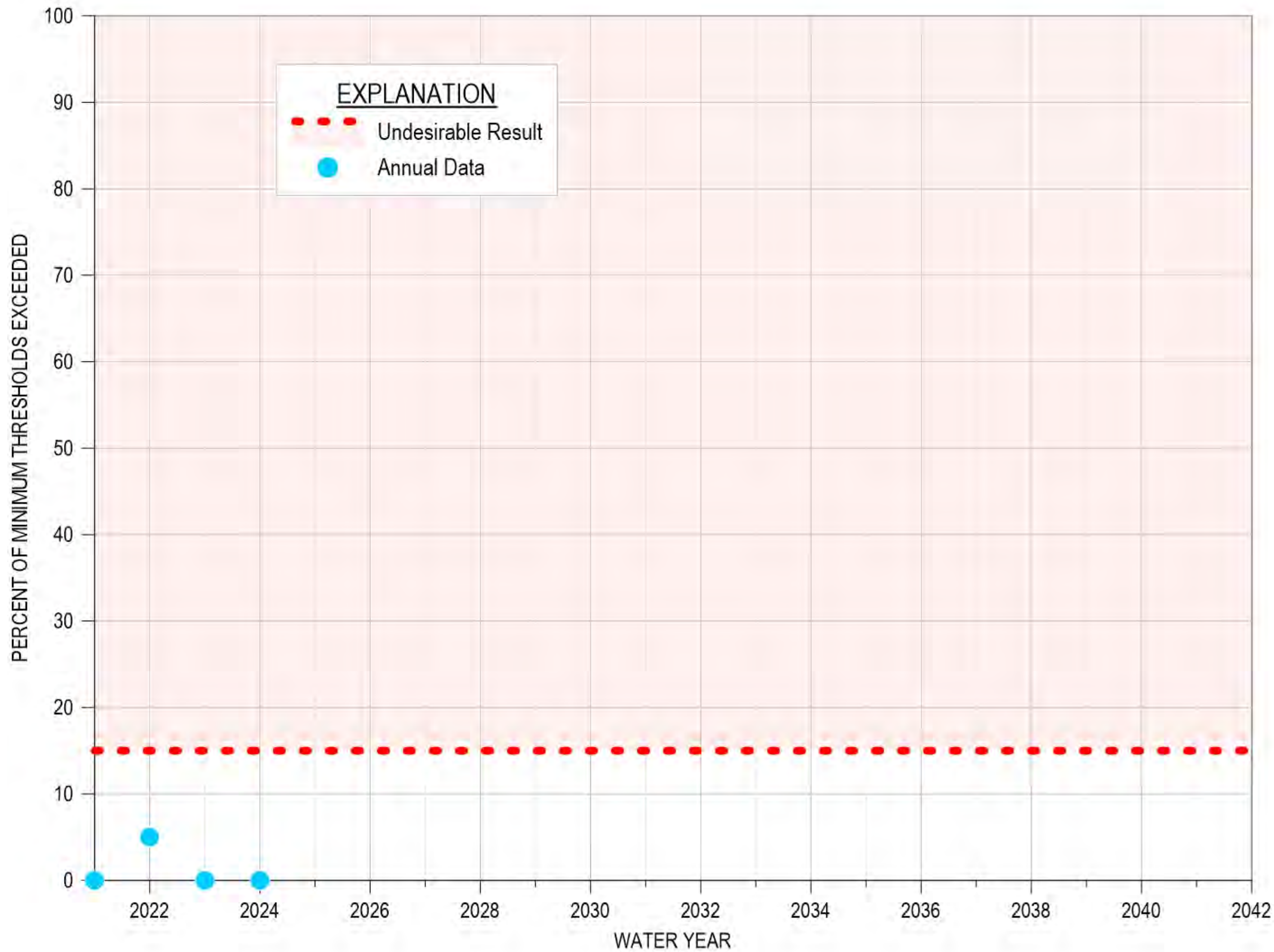


Figure 4-2. Groundwater Elevation Exceedances Compared to the Undesirable Result

4.2.2 Reduction in Groundwater Storage SMC

4.2.2.1 Minimum Threshold

The minimum threshold for reduction in groundwater storage is set to the amount of groundwater that is in storage when groundwater elevations are at their minimum thresholds. The minimum threshold for reduction in storage is 267,000 AF below the measurable objective. Section 8.7.2.1 of the Forebay Subbasin GSP describes the information and methodology used to establish the minimum threshold for reduction of groundwater storage. The amount of groundwater in storage was approximately 321,000 AF above the minimum threshold in WY 2024. Although pumping is not the metric for establishing change in groundwater storage, the GSAs are committed to pumping at or less than the Subbasin's long-term sustainable yield.

4.2.2.2 Measurable Objective and Interim Milestones

The measurable objective for reduction in groundwater storage is 0 when groundwater elevations are at their measurable objectives. Section 8.7.3.1 of the Forebay Subbasin GSP describes the information and methodology used to establish the measurable objective for reduction of groundwater storage. In WY 2024, the amount of groundwater in storage was 54,000 AF above the measurable objective. Since WY 2023, the amount of groundwater in storage increased by approximately 2,900 AF.

4.2.2.3 Undesirable Result

The reduction of storage undesirable result is:

> *There is an exceedance of the minimum threshold.*

In WY 2024, the groundwater in storage was above the measurable objective; therefore, an undesirable result does not exist. Figure 4-4 shows the volume of groundwater needed to reach the measurable objective compared to the change in storage undesirable result. Values in the shaded red area are above the undesirable result. This graph is updated annually with new data to demonstrate the current status of the sustainability indicator.

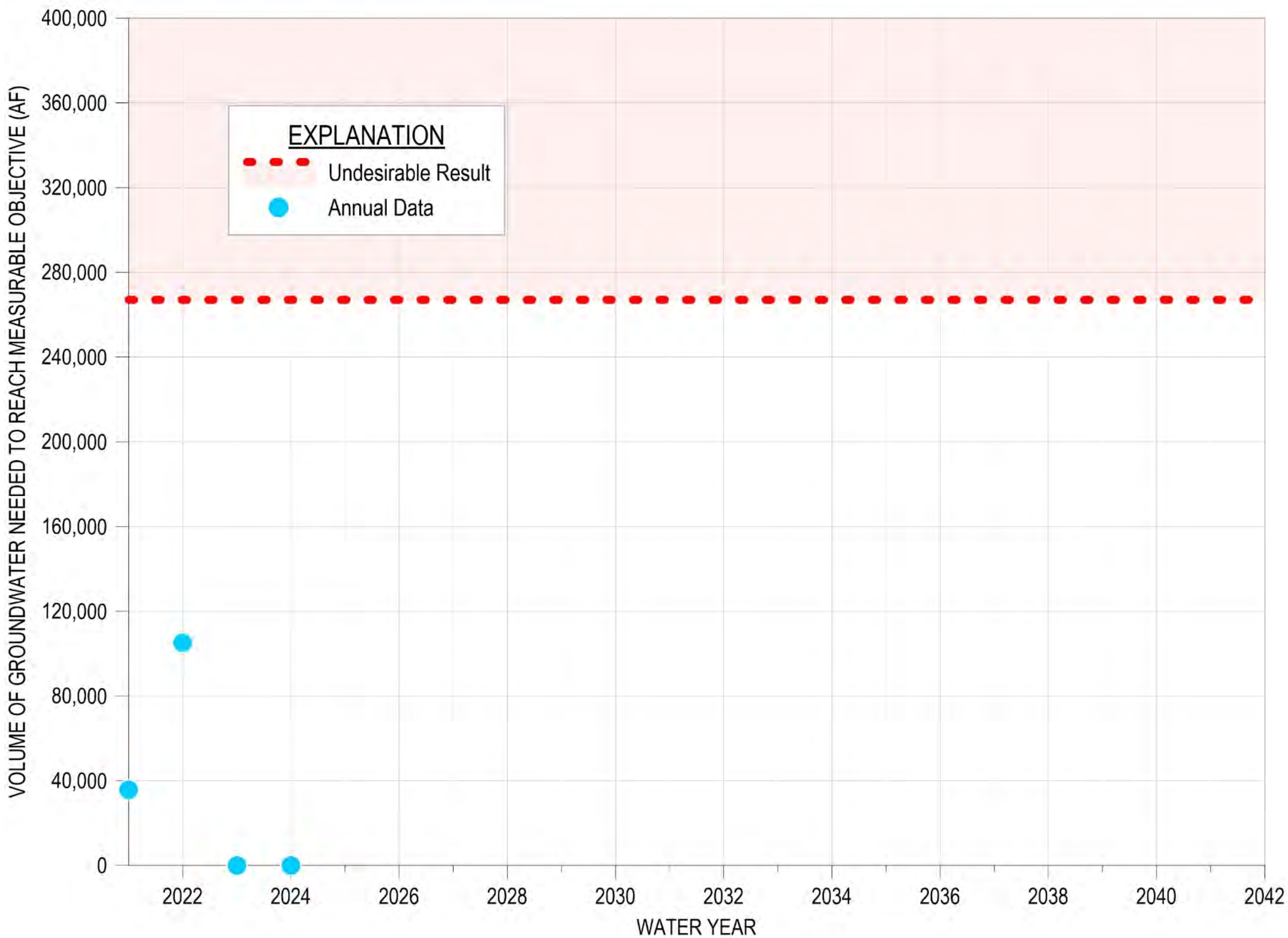


Figure 4-3. Groundwater in Storage Compared to the Undesirable Result

4.2.3 Degraded Groundwater Quality SMC

4.2.3.1 Minimum Thresholds

The degraded groundwater quality minimum thresholds were established for each COC based on the number of supply wells that had higher concentrations than the regulatory standards for drinking water and irrigation water during the most recent sampling event. Section 8.8.2.1 of the Forebay Subbasin GSP describes the information and methodology used to establish minimum thresholds for degraded groundwater quality. The minimum threshold values for each COC for the wells in the groundwater quality monitoring network are provided in Table 4-8. The minimum threshold for nitrate, specific conductance, sulfate, and total dissolved solids were adjusted the ILRP on-farm domestic wells to account for the additional ILRP data provided by CCRWQCB. No other minimum threshold for the ILRP wells were revised.

Table 4-8 also shows the wells with concentrations higher than the regulatory standard in WY 2024 discussed in Section 3.4 and the running total of wells with concentrations higher than the regulatory standard, which are used to assess the SMC. Only the most recent sample for each COC at each well is used for the running total. The minimum thresholds are set to no additional wells with concentrations higher than the regulatory standard for each constituent, as compared to the 2019 baseline. The SMC are based on the total number of wells in order to assess subbasin-wide conditions; so if a single well rises above a COC's regulatory standard and another falls below, there is no change in the number of wells with concentrations above the regulatory standard. These conditions were determined to be significant and unreasonable because COC concentrations above the regulatory standard may cause an undue burden on groundwater users. Public water systems with COC concentrations above the MCL or SMCL are required to add treatment to the drinking water supplies or drill new wells. Agricultural wells with COCs that significantly reduce crop production may reduce growers' yields and profits. The SMC ensures adequate groundwater quality for agricultural, domestic and ecological uses and users.

Given that the GSP established a minimum threshold for each COC, there is an exceedance of the minimum threshold if there are more wells with concentrations above the regulatory standard than there were in 2019. The last column in Table 4-8 includes the number of wells above the 2019 baseline that had higher concentrations than the regulatory standard. If a COC has more wells with concentrations above the regulatory standard than the minimum threshold, it is highlighted in orange to indicate an exceedance. The negative numbers in the last column indicate a drop in the total number of wells with concentrations above the regulatory limit, as compared to 2019 when the minimum threshold was established. In WY 2024, there were 8 exceedances of the groundwater quality minimum thresholds.

The DDW minimum threshold for selenium has been exceeded in WY 2024, while it was not in WY 2023. All other constituents that exceeded their minimum threshold in WY 2024 also exceeded their minimum threshold in WY 2023.

Table 4-8. Minimum Thresholds and Measurable Objectives for Degradation of Groundwater Quality

Constituent of Concern (COC)	Minimum Threshold/ Measurable Objective (existing exceedances of Regulatory Standard in 2019)	Number of Wells Sampled in WY 2024 with Concentrations Above the Regulatory Standard	Total Number of Wells with Concentrations Above the Regulatory Standard in Most Recent Sample	Number of Wells with Concentrations above Minimum Threshold (negative if fewer than MT)
DDW Wells				
1,2,3-Trichloropropane	1	1	1	0
Aluminum	1	0	0	-1
Chloride	1	0	0	-1
Foaming Agents (MBAS)	3	0	0	-3
Gross Alpha radioactivity	1	1	1	0
Iron	4	3	7	3
Manganese	4	2	3	-1
Nitrate (as nitrogen)	4	4	6	2
Selenium	1	1	2	1
Specific Conductance	2	1	2	0
Total Dissolved Solids	3	1	3	0
ILRP On-Farm Domestic Wells				
Iron	6	0	6	0
Nitrate (as nitrogen)	156	0	219	63
Nitrate + Nitrite (sum as nitrogen)	59	55	97	38
Nitrite (as nitrogen)	1	0	1	0
Specific Conductance	69	33	142	73
Sulfate	34	0	51	17
Total Dissolved Solids	90	0	131	41
ILRP Irrigation Wells				
Iron	1	0	1	0
Manganese	2	0	2	0

4.2.3.2 Measurable Objectives and Interim Milestones

The measurable objectives for degradation of groundwater quality represent a target number of groundwater quality exceedances in the Subbasin. SGMA does not require the improvement of groundwater quality; therefore, the Forebay GSP includes measurable objectives identical to the minimum thresholds as defined in Table 4-8. Interim milestones are also set at the minimum threshold levels. Although there were 8 groundwater quality minimum threshold exceedances in WY 2024, they have not been determined to be due to a GSA groundwater management action or inaction. SVBGSA and ASGSA will complete this analysis, as well as the baseline analysis to address the RCAs, for the 2027 GSP Periodic Evaluation.

4.2.3.3 Undesirable Result

The degradation of groundwater quality undesirable result is a quantitative combination of groundwater quality minimum threshold exceedances. Any groundwater quality degradation as a direct result of GSP implementation is unacceptable. Some groundwater quality changes are expected to occur independent of SGMA activities; because these changes are not related to SGMA activities they do not constitute an undesirable result. The degradation of groundwater quality undesirable result is:

> *Future or new minimum thresholds exceedances are caused by a direct result of GSA groundwater management action(s), including projects or management actions and regulation of groundwater extraction.*

As described in the WY 2023 Annual Report and Table 4-4, DWR approved the GSP with 7 RCAs, 3 of which related to groundwater quality. To address these, SVBGSA and ASGSA will compare the 2019 baseline for the water quality minimum threshold to 2015, and will conduct an analysis of 2015 groundwater quality in relation to groundwater levels and extraction. Additionally, SVBGSA and ASGSA intend to revise the definition of the water quality undesirable result in the next amendment to include exceedances of minimum thresholds caused by groundwater extraction that modifies pre-2015 groundwater conditions, regardless of GSA action or inaction. An analysis of 2024 exceedances is not conducted at this time since the baselines analyses have not been completed; however, SVBGSA will share and discuss minimum threshold exceedances with the Water Quality Coordination Group.

Table 4-8 shows 8 constituents exceeded their minimum thresholds in WY 2024. Since SVBGSA and ASGSA have yet to implement any projects or management actions in the Subbasin, these exceedances are not determined to be due to GSA actions. At this time, the groundwater quality exceedances are not considered an undesirable result; however, an assessment of exceedances presented here and in previous annual reports should be done after the initial analysis to address the RCA. The groundwater quality minimum threshold exceedances, compared with the undesirable result, are shown on Figure 4-5. If exceedances of the minimum threshold are determined to be due to a GSA groundwater management action or inaction, it would constitute an undesirable result. This graph is updated annually with new data to demonstrate the sustainability indicator's direction toward sustainability.

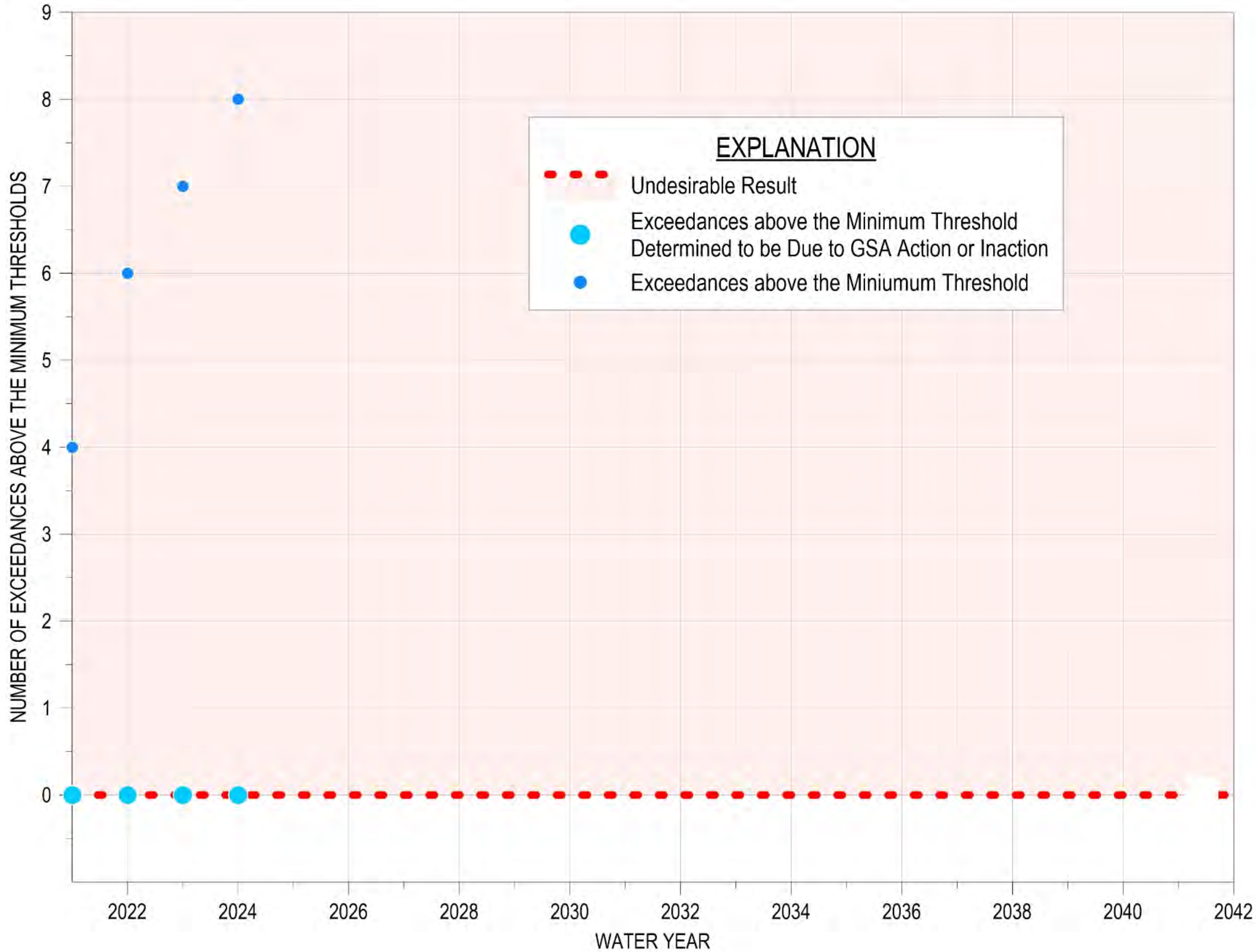


Figure 4-4. Groundwater Quality Minimum Threshold Exceedances Compared to the Undesirable Result

4.2.4 Land Subsidence SMC

4.2.4.1 Minimum Thresholds

Accounting for measurement errors in the InSAR data, the minimum threshold for land subsidence in the GSP is zero net long-term subsidence, with no more than 0.133 foot per year of estimated land movement to account for InSAR errors. Section 8.9.2.1 of the Forebay Subbasin GSP describes the information and methodology used to establish minimum thresholds for subsidence. A single minimum threshold is set for the entire Subbasin. Annual subsidence data from October 2023 to October 2024 were less than the minimum threshold of 0.133 foot per year, as shown on Figure 3-12.

4.2.4.2 Measurable Objectives and Interim Milestones

The measurable objectives for land subsidence represent target subsidence rates in the Subbasin. Because the minimum thresholds of zero net long-term subsidence are the best achievable outcome, the measurable objectives are identical to the minimum thresholds: zero net long-term subsidence, with no more than 0.133 foot per year of estimated land movement to account for InSAR errors. Figure 3-12 demonstrates that data from October 2023 to October 2024 showed less than the measurable objective of no more than 0.133 foot per year of measured subsidence is being met. The interim milestones are identical to minimum threshold of 0.133 foot per year. The latest subsidence data shows that the 2027 subsidence interim milestone is already being met.

4.2.4.3 Undesirable Result

The land subsidence undesirable result is a quantitative combination of subsidence minimum threshold exceedances. For the Forebay Subbasin, no long-term subsidence is acceptable. Therefore, the land subsidence undesirable result is:

> *There is an exceedance of the minimum threshold for land subsidence due to lowered groundwater elevations.*

Data from October 2023 to October 2024 showed subsidence was below the minimum threshold of 0.133 foot per year. The latest land subsidence data, therefore, does not lead to an undesirable result. Maximum annual measured subsidence in the Subbasin, compared with the subsidence undesirable result is shown on Figure 4-6. If a value is in the shaded red area, it would constitute an undesirable result.

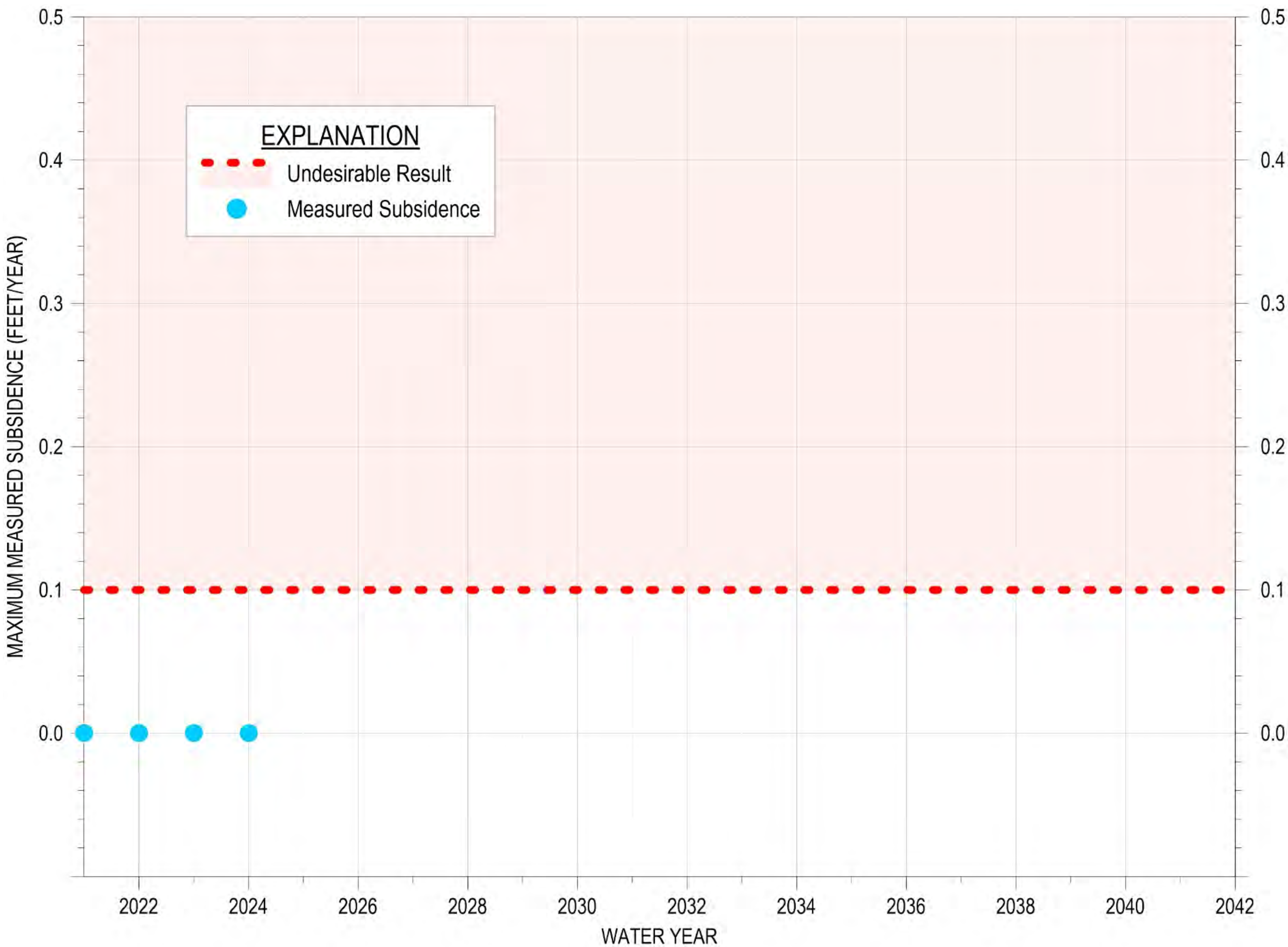


Figure 4-5. Maximum Measured Subsidence Compared to the Undesirable Result

4.2.5 Depletion of Interconnected Surface Water SMC

4.2.5.1 Minimum Thresholds

As described in Section 8.10.2.1 of the GSP, the minimum thresholds for depletion of ISW due to pumping are established by proxy using shallow groundwater elevations and are established to maintain consistency with chronic lowering of groundwater elevation minimum thresholds. ISW minimum thresholds were set to December 2015 shallow groundwater elevations and are included in Table 4-9. Shallow groundwater elevation data are color coded on this table: red cells mean the groundwater elevation is below the minimum threshold, yellow cells mean the groundwater elevation is above the minimum threshold but below the measurable objective, and green cells mean the groundwater elevation is above the measurable objective. In WY 2024, none of the existing monitoring wells exceeded their minimum threshold. When the new monitoring well is drilled, SMC will be determined using interpolated values from the groundwater elevation contour maps and verified with measured groundwater elevations.

Minimum thresholds are not established for times when flow in a river is due to conservation releases from a reservoir. Conservation releases are meant to recharge the Salinas Valley groundwater basin; therefore, depletion of conservation releases is a desired outcome, and the minimum thresholds and measurable objectives do not apply to these flows. As described in the WY 2023 Annual Report, DWR approved the GSP with an RCA related to the ISW SMC, which noted that SVBGSA and ASGSA should establish SMC for all conditions within the Subbasin regardless of whether conservation releases are occurring. SVBGSA and ASGSA will use DWR's forthcoming guidance on ISW to review the SMC.

Table 4-9. Shallow Groundwater Elevation Data, ISW Minimum Thresholds, and ISW Measurable Objectives

Below Minimum Threshold		Above Minimum Threshold		Above Measurable Objective
Monitoring Site	**Minimum Threshold**	**WY 2024 Groundwater Elevations**	**Interim Milestone at Year 2027**	**Measurable Objective (goal to reach at 2042)**
17S/06E-33R02**	142.0	163.0	160.8	159.7
18S/06E-03P01	147.0	171.0	168.1	170.3
18S/07E-32G02	186.6	209.7	209.4	214.1*

In feet, NAVD88

*Groundwater elevation estimated.

**Monitoring well is also an RMS for chronic lowering of groundwater elevations, and SMC for groundwater level and ISW are identical.

4.2.5.2 Measurable Objectives and Interim Milestones

The measurable objectives for depletion of ISW due to pumping target groundwater elevations are higher than the minimum thresholds. The measurable objectives are established to maintain consistency with the chronic lowering of groundwater elevation minimum thresholds, which are also established based on groundwater elevations. The measurable objectives for existing monitoring wells are listed in Table 4-9 and are set to 2015 shallow groundwater elevations plus 75% of the distance between 2015 and 1998 groundwater elevations. In WY 2024, 2 of the wells surpassed their measurable objective.

To show progress toward measurable objectives, DWR assesses interim milestones at 5-year intervals. Table 4-9 also lists the 2027 interim milestones, which are set at 5-year intervals to help reach measurable objectives. In WY 2024, all 3 RMS wells had groundwater elevations higher than the 2027 interim milestones.

4.2.5.3 Undesirable Result

The depletion of ISW undesirable result is a quantitative combination of minimum threshold exceedances. The undesirable result for depletion of ISW due to pumping is:

> *There is an exceedance of the minimum threshold in a shallow groundwater monitoring well used to monitor interconnected surface water.*

Streamflow depletion in the Subbasin is complicated by many factors such as reservoir releases, recharge of the aquifer from streamflow, losses to vegetation, and ET. The ISW SMC applies to depletion of ISW from groundwater use. For SGMA compliance purposes, the default assumption is that any depletions of surface water beyond the level of depletion that occurred prior to 2015, as evidenced by reduction in groundwater levels, represent depletions that are significant and unreasonable. Any additional depletions of surface water flows caused by groundwater conditions in excess of conditions as they were in 2016 would likely be an undesirable result that must be addressed under SGMA. There is currently no biological opinion or habitat conservation plan that indicates additional protection is needed for species protected under the Endangered Species Act; however, if it is determined that additional protection is needed and streamflow loss is due not to surface water flows but to groundwater extraction, SVBGSA will adapt as necessary to adhere to environmental laws.

Table 4-9 shows that there are no exceedances of the ISW minimum thresholds; therefore, the WY 2024 shallow groundwater elevations do not cause an undesirable result. The ISW minimum threshold exceedances, compared with the undesirable result, is shown on Figure 4-7. If a value is in the shaded red area, it would constitute an undesirable result. This graph is updated annually with new data to demonstrate the sustainability indicator's direction toward sustainability.

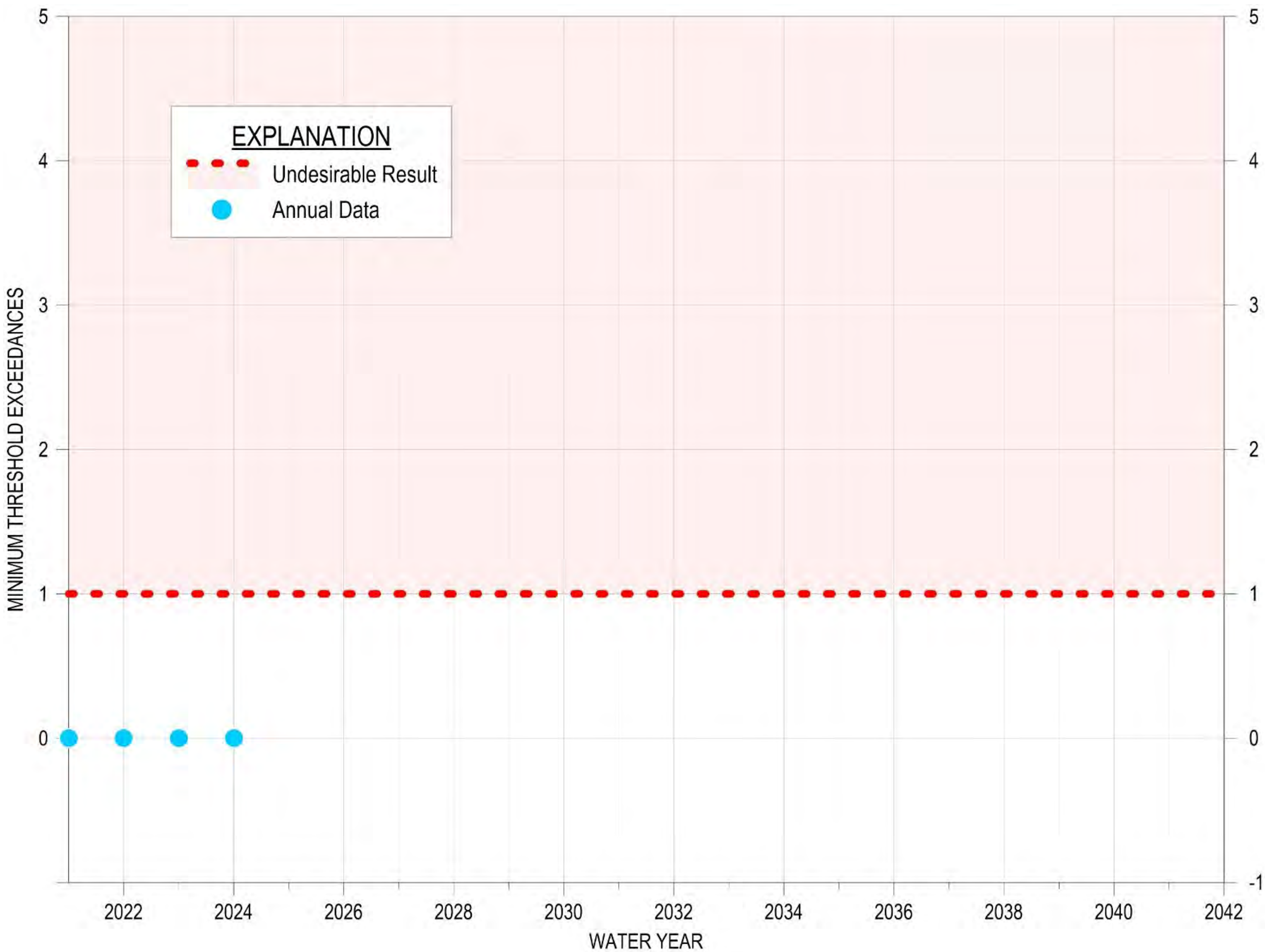


Figure 4-6. Shallow Groundwater Elevation Exceedances Compared to the Undesirable Result

5 CONCLUSION

This 2024 Annual Report updates data and information for the Forebay Subbasin GSP from WY 2024 to WY 2024 with the best available data. It covers GSP implementation activities from October 1, 2023, through December 31, 2024, to better align with the SVBGSA's work plan and summarize recent updates. All GSP implementation and annual reporting meet the regulations set forth in the SGMA GSP Regulations.

Results show that after this second consecutive wet water year groundwater conditions have either remained stable or improved slightly since WY 2023. Groundwater elevations increased in WY 2024 in most wells that were sampled, resulting in elevations that were mostly above their measurable objectives. Change in groundwater storage, as measured by groundwater elevation changes, remained above the measurable objective in WY 2024. Groundwater quality data showed 8 exceedances of minimum thresholds, none determined to be a direct result of GSA groundwater management action or inaction. Negligible subsidence was observed in WY 2024. Finally, 2 of the 3 existing shallow wells used to monitor depletion of ISW due to pumping were above their measurable objectives and 1 was in between its minimum threshold and measurable objective.

Since GSP submittal, the SVBGSA and ASGSA have continued to actively engage stakeholders and coordinate with partner agencies. The SVBGSA continues to convene its subbasin committees, Advisory Committee, and Board of Directors, and this year established the SMC TAC for the Forebay and Upper Valley Subbasins. Receipt of SGM Round 2 Implementation Grant for the Forebay, Upper Valley, Eastside, and Langley Subbasins is significantly helping to advance GSP implementation activities.

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Appendix A

Technical Memorandum on Hydrogeologic Conceptual Model Update for the Forebay Subbasin

TECHNICAL MEMORANDUM

DATE: March 20, 2025 **PROJECT #:** 9100.68

TO: Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA)

FROM: Victoria Hermosilla, P.G., Trevor Pontifex, P.G., Derrik Williams, P.G., C.Hg.

REVIEWED BY: Abby Ostovar, Ph.D.

PROJECT: Salinas Valley Hydrogeological Conceptual Model (HCM) Updates

SUBJECT: Forebay Aquifer Subbasin HCM Update: Data, Methods, and Findings

INTRODUCTION

The Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) and partner agencies have analyzed new information and filled data gaps identified in the Forebay Aquifer Subbasin (Subbasin) Groundwater Sustainability Plan (GSP) (SVBGSA, 2022). Montgomery & Associates (M&A) used this new information to update the Subbasin's Hydrogeologic Conceptual Model (HCM) to better inform management decisions and prepare the 5-Year Periodic Evaluation. To acquire and analyze data, M&A worked with partner agencies including Arroyo Seco Groundwater Sustainability Agency (ASGSA) and Monterey County Water Resources Agency (MCWRA). The updated HCM strengthens and refines the geologic model that forms the basis for the groundwater flow modeling.

The primary updates to the HCM included the following:

- Incorporating the results of the *Deep Aquifers Study* (Study) (M&A, 2024) by refining the extent and depth of the Aquitard that separates the 400-Foot Aquifer from the Deep Aquifers (400/Deep Aquitard)
- Revising the bedrock surface that delineates the bottom of the groundwater basin near the Gabilan Range
- Defining the presence, extents and character of alluvial fans emanating from the Gabilan Range, along with the most prominent alluvial fan in the Subbasin: the Arroyo Seco Cone
- Refining clay layers where Airborne Electromagnetic (AEM) resistivity data indicate their presence, and observing their discontinuous character that preclude defining them as aquitards

This memo summarizes the data used, the analyses and methods employed, and the findings for the updated Forebay Aquifer Subbasin HCM.

DATA

The data used to update the HCM are detailed in the following subsections.

Published Cross Sections and Reports

The 2022 GSP summarized published cross sections and reports. For this HCM update, the following reports and cross sections were reviewed again, compared with new data and information, and incorporated into the revised HCM.

- *Hydrogeologic Report on the Deep Aquifer, Salinas Valley, Monterey County, California* (Thorup, 1976; Thorup, 1983)
- *Deep Aquifers Study* (Montgomery & Associates, 2024)
- *Geology of the Southern Salinas Valley Area, California* (Durham, 1974)
- *State of the Salinas River Groundwater Basin* (Brown and Caldwell, 2015)
- *Hydrogeologic Investigation of Arroyo Seco Cone* (Staal, Gardner & Dunne, 1994)

Well Completion Reports (WCRs)

Well Completion Reports helped refine geologic interpretations, and included important information such as driller-observed lithology, screen intervals, and date of well installation. Some WCRs were more detailed than others with more frequent lithologic descriptions, electric logs (e-logs), and other construction or water level details.

M&A obtained WCRs through the California Department of Water Resources (DWR) Online System for Well Completion Reports (OSCWR) database, the County of Monterey Health Department, Monterey County Water Resources Agency, other collaborating partner agencies, and private entities.

Numerical Groundwater Flow Model Layers

Previous and current groundwater flow models reflect various conceptual understandings of the Subbasin. The main model reviewed for the HCM update was the Salinas Valley Geologic Framework (Sweetkind, 2023), which defines the spatial extent, depth, and distribution of geologic material textures for the provisional Salinas Valley Integrated Hydrologic Model

(SVIHM). This geologic dataset was developed by the U.S. Geological Survey (USGS) to cover the entire Salinas Valley and includes a geological framework with key documentation.

This model was primarily used to compare and refine the depths and thicknesses of the hydrostratigraphic layers for the Salinas Valley Groundwater Basin HCM update.

Geophysical Data

The following lists the primary types of geophysical data used in this HCM update:

- Airborne Electromagnetic (AEM) resistivity data. These data were collected by the California Department of water resources (DWR), and SVBGSA between 2020 and 2023. These data provide a broad coverage of general lithologic trends.
- Borehole resistivity data. These geophysical data are collected in boreholes prior to well installation and provided detailed interpretation of localized lithology.

These 2 types of data are both electrical resistivity data, which are collected by sending electrical pulses into the subsurface and receiving signals back.

AEM Data

AEM surveys measure the resistivity of both solid and liquid materials in the subsurface over large areas. Lower resistivity materials include clays, silts, and groundwater with high total dissolved solids (TDS) concentrations. Higher resistivity materials include sands and gravels, some types of bedrock, and groundwater with lower TDS concentrations. AEM data are useful for filling gaps between known data points such as wells. This effort focused on reviewing and analyzing the lower resistivities at various target depths where aquitards or clay intervals are expected.

Two sets of AEM surveys were used to fill data gaps, confirm other data, and refine the delineations of primary aquifers and aquitards. These data came from the following surveys:

- DWR Survey Area 1, 2020 (DWR, 2020)
- Deep Aquifers Survey, 2023 (M&A, 2024)

E-logs/Borehole geophysical logs

Borehole geophysical logs measure the resistivity of materials in the subsurface adjacent to a borehole. Like AEM data, borehole geophysics can help qualitatively differentiate between clays, silts, sands and gravels, and high and low TDS water. Borehole geophysics data show much more detail than AEM data, but only reflect conditions immediately adjacent to a borehole. Several borehole geophysical logs used were sourced from other studies or included with WCRs.

Geologic Maps

Geologic maps provide a visual representation of the rocks, formations, and structures encountered at land surface. The primary map used for this HCM update was Digital Geologic Map of Monterey County, California, 1934-2001 (Rosenberg, 2001). This geologic map supplemented other data during the HCM update by verifying surface expressions of various lithologic units.

METHODS

Geologic modeling and visualization software was used to update the Subbasin hydrostratigraphy through the following steps, starting with the data with the most confidence:

1. Integrating and reviewing the data using Leapfrog Geo software
2. Prioritizing data based on reliability and availability
3. Selecting the best data to define the new hydrostratigraphic layers
4. Interpolating the data to create new hydrostratigraphic layers within Leapfrog Geo software

Geologic Modeling Software

Developed by Seequent, Leapfrog Geo software was the primary 3D modeling and visualization software used to relate and analyze the different types of data described above. All data were imported into the software, methodically reviewed, and compared to each other.

Data Prioritization

Various data have differing levels of confidence. The list below demonstrates the general hierarchy of confidence in the various data types used in this analysis:

1. Geologic maps
2. Published Cross Sections and Reports
3. Borehole Logs (Well Completion Reports and e-logs)
4. AEM data
5. Groundwater Flow Models

Concurrently using multiple data sources can improve confidence in geologic interpretations. For example, confidence in AEM data can be significantly improved when it is combined and coordinated with geologic maps or borehole logs.

Data are not uniformly distributed throughout the Subbasin. Wells and associated WCRs are more concentrated in areas with more infrastructure, whereas AEM flightlines generally cover areas with less or no infrastructure. Therefore, hydrogeologic interpretations are more strongly influenced by availability of data in different areas.

Hydrogeologic interpretations initially focused on areas with a higher density of multiple data types to cross validate data. Developing confidence in any data type allowed analyses using those data to expand horizontally and vertically and revise the HCM as needed.

The decision-making procedures for updating the HCM generally used the following guidelines. These guidelines do not represent a decision-making hierarchy, rather they are a group of guidelines that interact in various ways based on circumstances in each particular area.

- Newer geologic maps were prioritized over older geologic maps.
- Newer published cross sections were prioritized over older published cross sections, unless there was higher confidence in older cross sections based on the author and how the sections correlated with other data.
- Geologic maps provided anchor locations for the geologic surface contacts, including bedrock contacts, where available.
- The hydrostratigraphy was refined by jointly using AEM data, WCRs, and published cross sections in places where the various data types overlapped. This strengthened confidence in AEM data interpretation.
- Where AEM data and cross sections did not align, well logs used to develop the cross section were reviewed and used in conjunction with the AEM data.
- AEM data were the primary data source for hydrostratigraphic interpretation in areas with limited borehole data.
- E-logs and published cross sections were used where AEM data were not available and were correlated with the nearest AEM data.
- WCRs were used as verification and interpolation points for key priority areas.
- Areas with no other nearby data relied on the SVIHM geologic model layers to interpolate the hydrostratigraphic layers.

Figure 1 shows a prime example of an analysis that encompasses many types of data and shows how they are correlated to provide a more cohesive understanding of the hydrostratigraphy of the Salinas Valley Groundwater Basin (Basin). The cross section on Figure 1 was exported from the Leapfrog geologic model, and spans the 180/400-Foot Aquifer Subbasin (180/400 Subbasin), the Monterey Subbasin, and the Seaside Subbasin. Hydrostratigraphy in the north (left on Figure 1) is based on well completion reports with finer sediments highlighted in blue. Hydrostratigraphy in the center of Figure 1 is based on AEM data, with finer sediments highlighted in blue also. A previously published map of the Monterey Formation (HydroMetrics, 2009) provided structural data in the south, as well as locations of surface outcrops of Monterey Formation highlighted with yellow disks. Published cross sections, e-logs, and surface geology maps are not shown on the figure; however, in this location they were also reviewed for confirmation of other data. Through careful analysis and integration of all data types, a new bedrock surface was developed, shown in pink mesh and green contour lines on Figure 1. This figure best illustrates the data synthesis methodology applied to each subbasin in the Salinas Valley Basin, and should be viewed as a conceptual depiction of the types of data and decision processes used to update the Forebay Subbasin HCM.

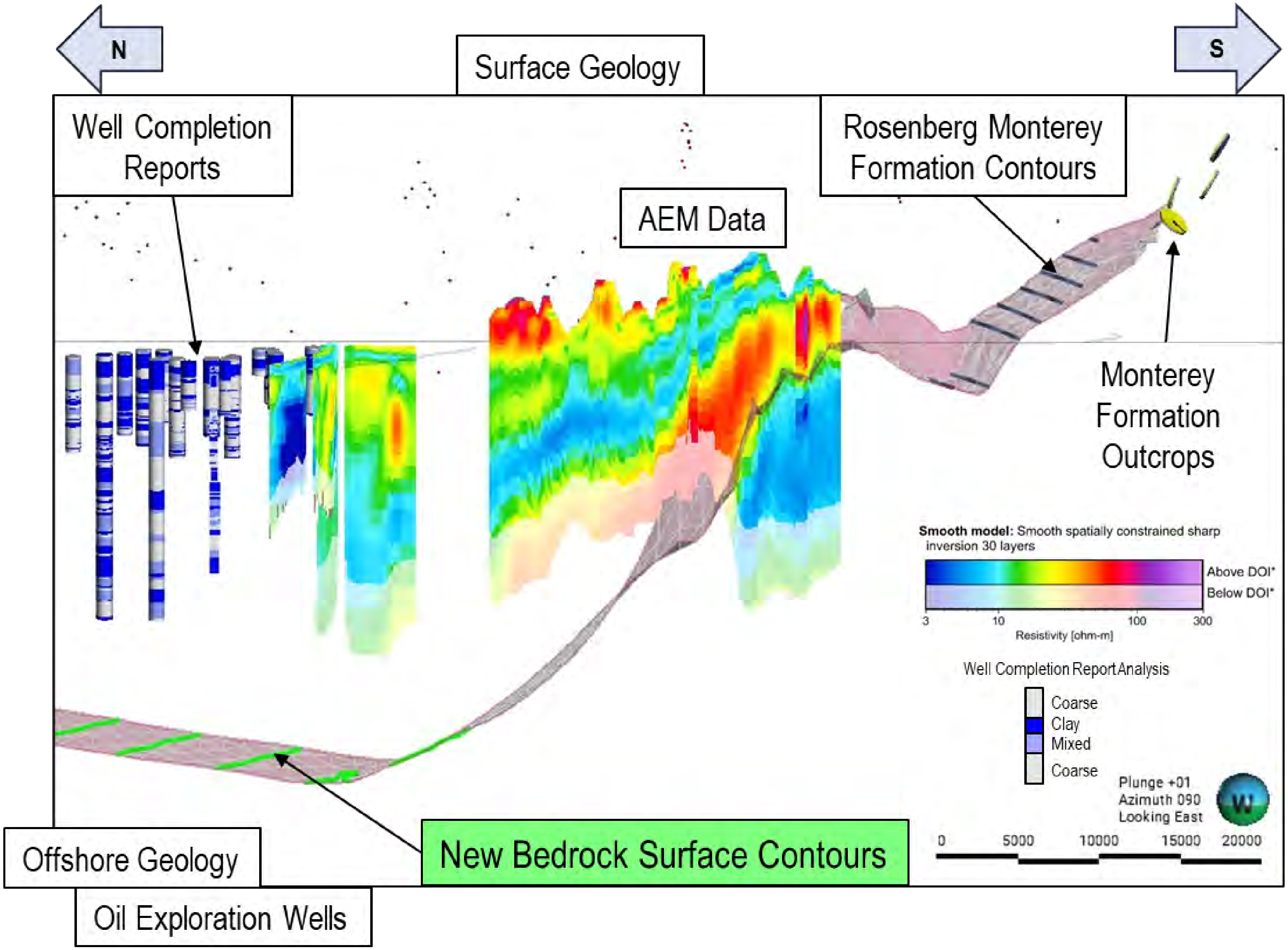


Figure 1. Example of Different Types of Data Juxtaposted in Leapfrog Geo Software

The HCM update in the Forebay Subbasin started with the 400/Deep Aquitard and the results of the Deep Aquifers Study (M&A, 2024) as these results had important implications for the sediments above and below, which were previously characterized as being the Basin Fill Aquifer (M&A, 2022). The presence of the 400/Deep Aquitard provided clear delineation for aquifer materials above and below. After integrating the 400/Deep Aquitard, the bedrock contact close to the Gabilan Range was modified using AEM data and WCRs. Subsequent steps in updating the HCM included a closer examination of the alluvial fans along the Gabilan Range, and finally shallower clay intervals that were found to be more prevalent near the Salinas and Arroyo Seco Rivers.

The GSP notes 1 principal aquifer in the Forebay Subbasin, the Basin Fill Aquifer. There is no observed continuous aquitard throughout the Subbasin that separates areas of significant pumping. However, with this HCM Update, newer data indicate the potential need for understanding differentiation in the subsurface based on different depositional environments and discontinuous clays identified in the AEM data.

RESULTS/FINDINGS

Results of the 4 primary HCM updates listed in the introduction are detailed below.

Deep Aquifers' Extent

Principal Data Used: Previously published studies, AEM data, WCRs

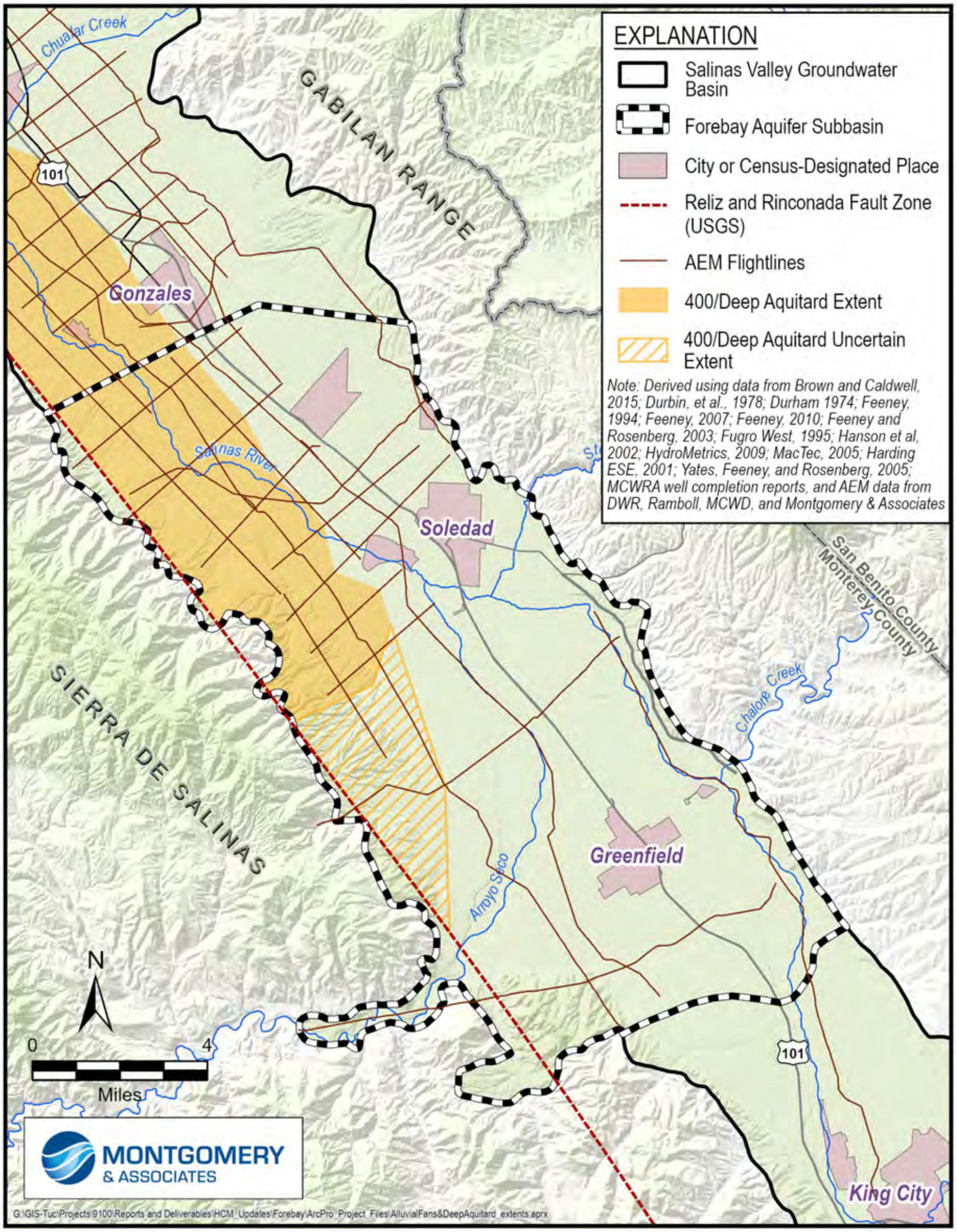
The Deep Aquifers' extent was revised by incorporating results and data from the *Deep Aquifers Study* (Study) (M&A, 2024). Attachment A to the Study details the data, methods, and extent findings, which are summarized here.

No cohesive description of the Deep Aquifers' depth and extent existed prior to the Study. The previous understanding of the Deep Aquifers focused on the coastal areas of the 180/400 and Monterey Subbasins, where most deep wells were installed. The *Deep Aquifer Investigation - Hydrogeologic Data Inventory, Review, Interpretation and Implications* (Feeney and Rosenberg, 2003) detailed the geology that constitutes the Deep Aquifers and summarized the known Deep Aquifers wells' screened intervals, extraction, and locations.

The *Hydrogeologic Report on the Deep Aquifer, Salinas Valley, Monterey County, California* (Thorup, 1976) defined the Deep Aquifers as the entirety of the Paso Robles Formation within the Salinas Valley Basin and developed recharge and storage estimates assuming the whole formation was the Deep Aquifers. Other subsequent studies and analyses generally defined the Deep Aquifers based on the presence of the overlying 400-Foot Aquifer or MCWRA-designated Deep Aquifers wells, but notably there was no defined extent.

The updated understanding of the Deep Aquifers presented in the Study focused on the presence of the 400/Deep Aquitard to delineate the Deep Aquifers from shallower aquifers. Accordingly, the Deep Aquifers incorporate all the productive zones below the 400/Deep Aquitard and comprise portions of the Paso Robles Formation and Purisima Formation within the Forebay Subbasin. Insufficient data exist to subdivide the Deep Aquifers into distinct component horizons.

The Study delineated the lateral extent of the Deep Aquifers throughout most of the 180/400 Subbasin and into adjacent subbasins. The extent of the Deep Aquifers in the Forebay Subbasin is shown on Figure 2. This figure includes areas marked as the uncertain extent, where current data are not sufficient to conclusively determine if the Deep Aquifers are present or absent.



(M&A, 2024)

Figure 2. Updated Deep Aquifers Extents, as Determined by the Deep Aquifers Study

Lowering of the Deep Aquitard

A key component of integrating the results of the Deep Aquifers Study in the Forebay Subbasin included revising the depth of the 400/Deep Aquitard based on AEM data following the HCM update analyses in the 180/400 Subbasin. Before AEM data were available, the SVIHM was the primary source of understanding the depth of the 400/Deep Aquitard and showed the top of the 400/Deep Aquitard as being less than 300 feet below land surface throughout the Forebay Subbasin. The SVIHM’s 400/Deep Aquitard was based on available data such as WCRs, published cross sections, and other geologic data.

The new AEM transects show the lower resistivity sediments denoting the continuous 400/Deep Aquitard much deeper than previously conceptualized in the SVIHM. These lower resistivity sediments, following from the 180/400 Subbasin, are encountered at an average depth of approximately 600 feet below land surface with an average thickness of 300 feet in the Forebay Subbasin. This means that the Deep Aquifers presence as delineated in the Forebay Subbasin starts at approximately 900 feet below land surface, and is largely undeveloped based on the few deep wells in the Subbasin.

Figure 3 shows a selected AEM transect with the identified 400/Deep Aquitard labeled on the continuous lower resistivity region. A handful of borehole logs are also noted along the transect, and exemplify the general average, shallower depth of wells encountered in the Forebay Subbasin. The wells and the 400/Deep Aquitard along this transect generally demonstrate the relationship between where the majority of the pumping occurs, which is vertically removed from the Deep Aquifers in the Subbasin. The HCM update revised not only the extent of the 400/Deep Aquitard in the Forebay Subbasin, but also refined the aquitard depth based on the newly available AEM data.

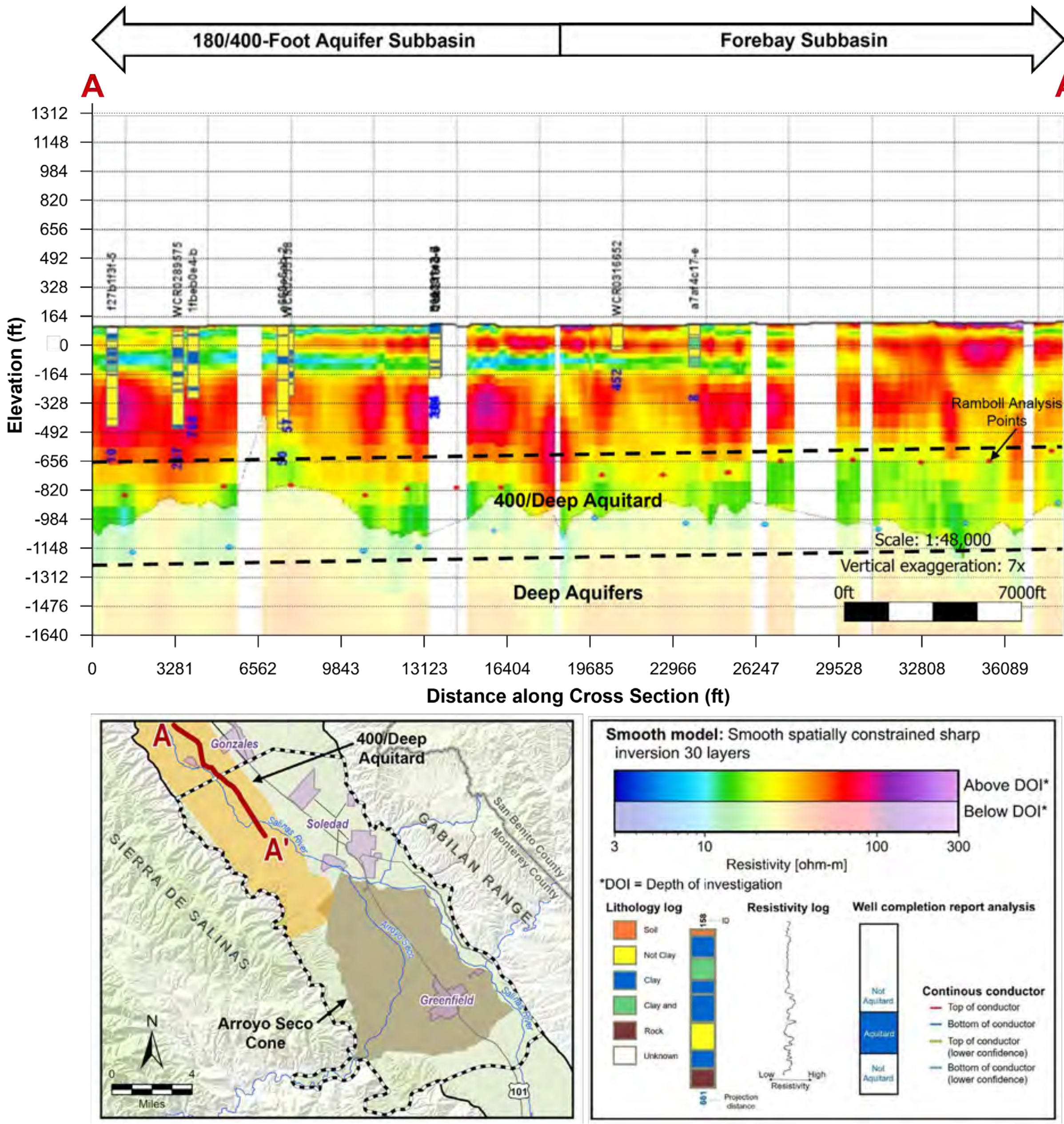


Figure 3. Updated Conceptual Understanding of the 400/Deep Aquitard in the Forebay Subbasin

Bedrock Surface Near Gabilan Range

Principal Data Used: AEM and WCR data, SVIHM geologic model, surface geology maps

The Monterey Formation and granitic rocks comprise the primary bedrock units present in the Forebay Subbasin. The bedrock surface defines the bottom elevation of what is considered usable aquifer materials. Previous conceptualization of the top of bedrock surface is based on the 1978 Durbin model (Durbin *et al.*, 1978) that relied on geophysical gravity studies. This surface conforms to a traditional bathtub shape, generally dipping down toward the Sierra de Salinas and tilting up toward the coast. The Salinas Valley Geological Framework (Sweetkind, 2023) generally follows this same conceptualization.

Along the Gabilan Range in the Forebay Subbasin, AEM data show higher resistivity material much shallower in the subsurface than the layer that represents the bedrock in the SVIHM, which is based in part on the Durbin (1978) bedrock surface. AEM data were compared to nearby WCRs to determine if shallower bedrock was also identified in the borehole logs. WCR lithology descriptions that may denote bedrock include decomposed granite (DG), rock, large granite cobbles, and granite. Drilling operations are commonly stopped when bedrock is encountered, and subsequently drill intervals with bedrock notation are frequently short and at the bottom of the boreholes. This overlap of bedrock notation in WCRs and higher resistivity AEM data prompted the revision of the bedrock surface in the Forebay Subbasin to a shallower bedrock surface. The bedrock surface is now conceptualized as dipping downward more gradually from the surficial contacts at the Gabilan Range before diving more steeply down toward the axis of the Basin, as shown on Figure 4.

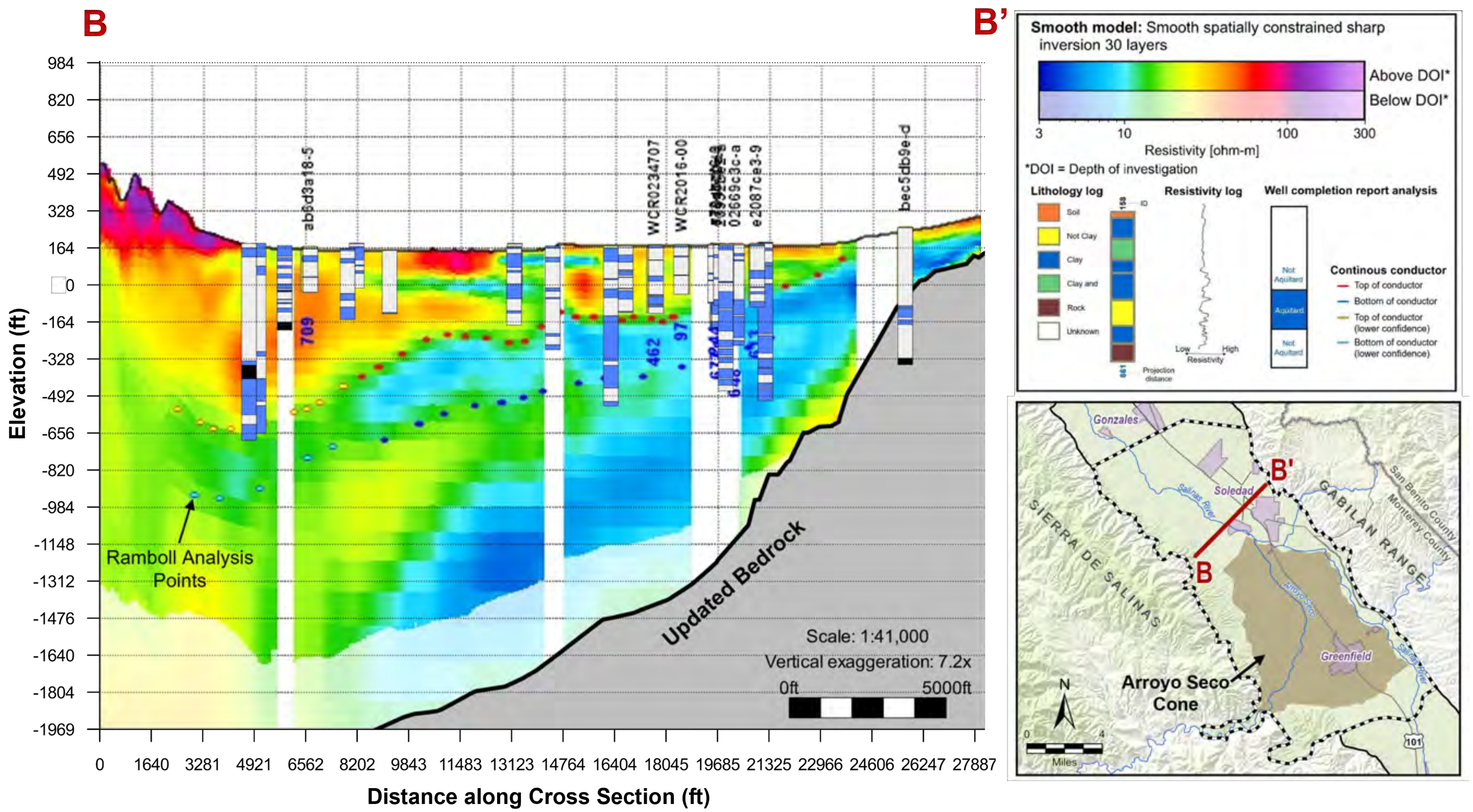


Figure 4. Updated Conceptual Understanding of the Bedrock Surface along the Gabilan Range in the Forebay Subbasin with Key Data Used

Alluvial Fan Extent/Alluvial Fan Characterization

Principal Data Used: AEM and WCR data

The alluvial fans that characterize the Eastside Subbasin extend southward into the Forebay Subbasin adjacent to the Gabilan Range. The previous conceptual understanding of the Forebay Subbasin did not include the alluvial fans; rather it grouped everything in the Subbasin into the Basin Fill Aquifer. However, the previous conceptual understanding did acknowledge the Arroyo Seco Cone, which is the primary alluvial fan present in the Subbasin, but is still wrapped into the Basin Fill principal aquifer for lack of hydrologic differentiation in the data.

The updated conceptualization focuses on locating the alluvial fans throughout the Forebay Subbasin, following the analysis in the Eastside Subbasin as the same data continued south. The alluvial fans are characterized by the presence of very low-resistivity values in the AEM data, which indicate very high clay content and follow the sloping shape of the redefined bedrock as shown on Figure 5. The extent of the alluvial fans is generally confirmed by the presence of many clay intervals in WCRs nearby wells (shown as blue layers in boreholes on Figure 5). The strong clay presence in this traditionally coarse-grained depositional environment likely represents chemical decomposition of the granitic materials eroded from the Gabilan Range, and creates the defined alluvial fan shape observed in the AEM transects. Although the alluvial fans are clay-dominated, WCR show coarser-grained materials are interspersed throughout the subsurface as well. Consequently, some wells in the Forebay Subbasin have been constructed with longer screen intervals to capture as many of these discrete coarser-grained layers as possible in order to increase their transmissivity. The coarser-grained intervals encountered by these wells are not necessarily indicative of a laterally extensive aquifer in the same way that the clays are not indicative of a laterally extensive aquitard.

The AEM transect on Figure 5 also shows a few isolated low-resistivity zones, which represent discontinuous clays in the subsurface. These small, isolated, lenses of clay, which are generally depth-equivalent to the 180/400 Subbasin's Salinas Valley Aquitard (SVA) and 180/400 Aquitard, may impact vertical groundwater flows locally. However, they are not laterally extensive aquitards within the Forebay Subbasin.

The extents of the alluvial fans are shown on Figure 6. At the northern end of the Forebay Subbasin, the alluvial fans are similar in extent as those in the Eastside Subbasin. Moving southward through the Forebay Subbasin, these extents are truncated by the presence of the Arroyo Seco Cone. The Arroyo Seco Cone is a large alluvial fan built up over time by the Arroyo Seco River, and has "pushed" contemporaneously deposited sediments (alluvial and fluvial) to the eastern edge of the Subbasin, thereby halting the farther reaches of the alluvial fans seen more north in the Forebay Subbasin.

MONTGOMERY
& ASSOCIATES

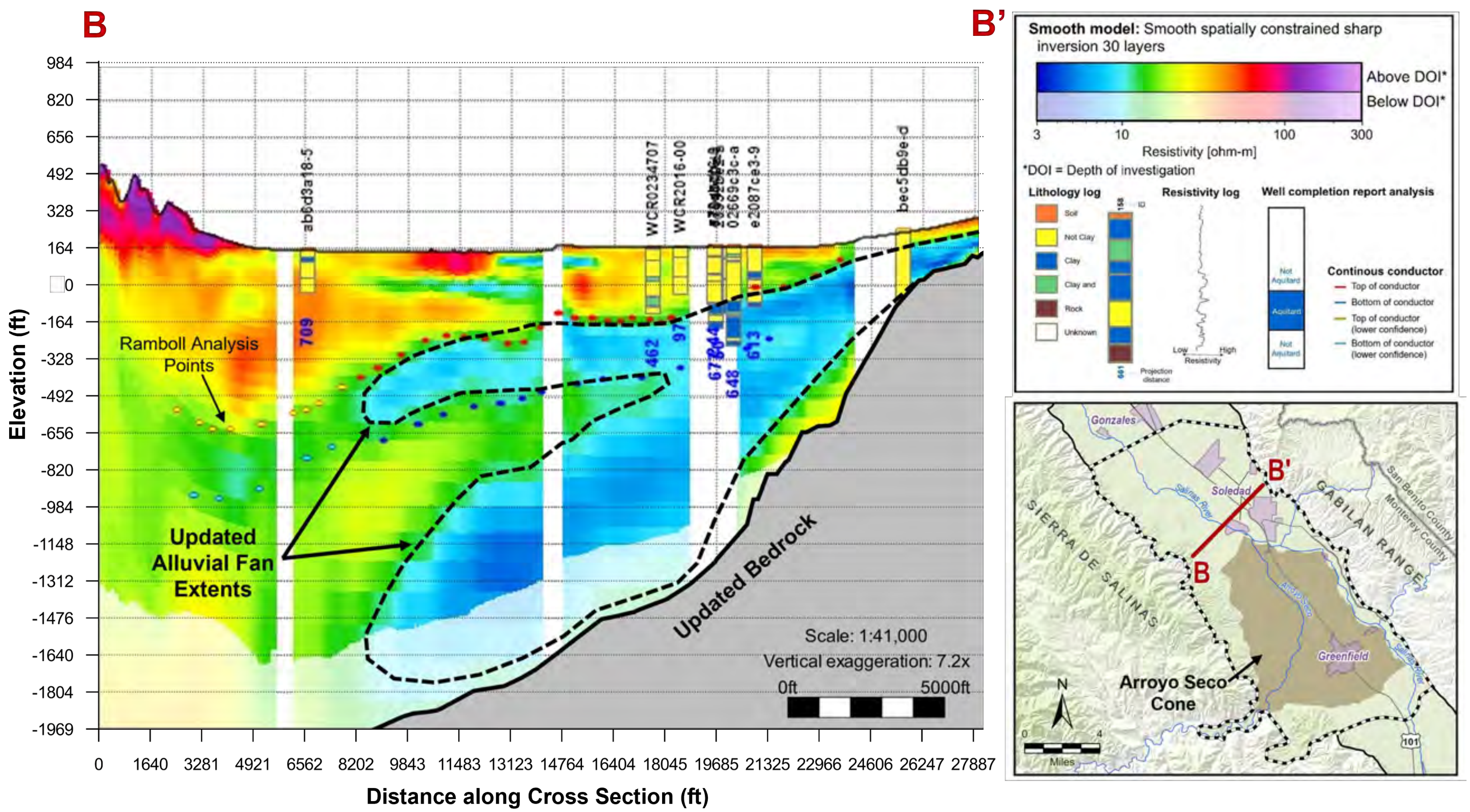


Figure 5. Updated Conceptual Understanding of Alluvial Fans in the Forebay Subbasin with Key Data Used

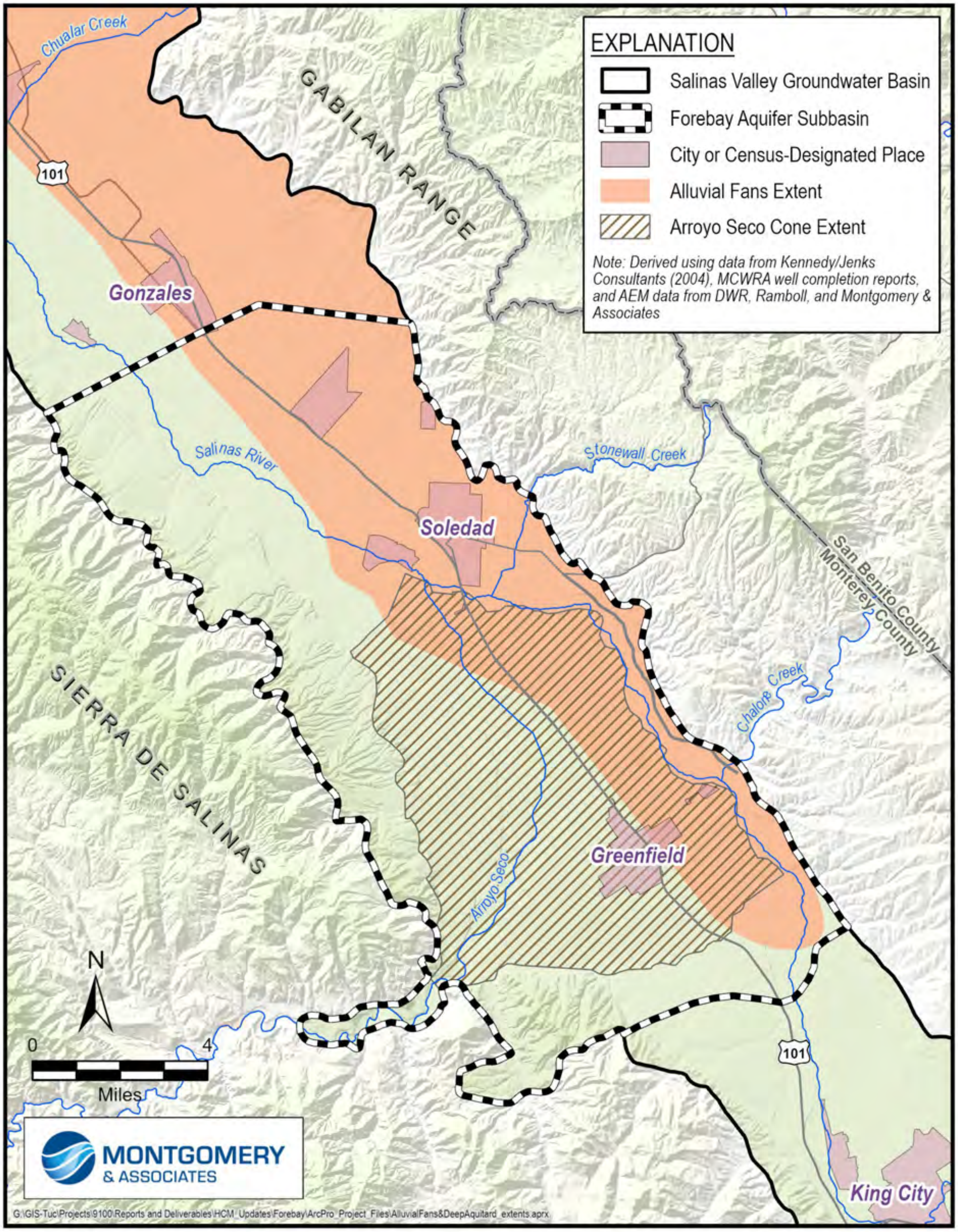


Figure 6. Alluvial Fans and Arroyo Seco Cone Extents

Discontinuous Aquitards or Shallow Clay Deposits

Principal Data Used: Published reports and cross sections, WCRs, AEM data, SVIHM geologic model

Historically, the only principal aquifer recognized in the Forebay Subbasin is the Basin Fill Aquifer (M&A, 2022), as there are no laterally extensive aquitard units that separate water-bearing sediments, nor are there wells pumping from a discrete zone in the subsurface (DWR, 2024). There have been historical observations of shallow clay horizons that prevented recharge basin installation (SGD, 1994). Previously published cross sections in the Forebay Subbasin also show some observed layers of shallow, low permeability material (Durham, 1974; Thorup, 1976). However, those interpretations of the subsurface are based on data from few boreholes that are spaced miles apart. Current published cross sections, such as those from the *State of the Salinas River Groundwater Basin – Hydrology Report* (Brown and Caldwell, 2015), do not interpolate as far from points of known stratigraphy, but they do show a more heterogenous Forebay Subbasin with localized clay lenses.

Newly available AEM data build on this conceptualization by showing where shallow clay is not continuous or extensive enough to form an aquitard, as shown on Figure 7, which displays an AEM transect in the northern portion of the Forebay Subbasin. Figure 8 and Figure 9 show the spatial extent of these intermittent clays at similar depths to the 180/400 Subbasin' SVA and 180/400 Aquitard, respectively. There are some noted shallow clays close to the boundary with the 180/400 Subbasin at the northwestern extent of the AEM transect (Figure 7), as well as underlying the confluence of the Arroyo Seco and Salinas Rivers (Figure 8) that are generally analogous to the SVA in the 180/400 Subbasin based on the depth they are encountered. However, these clays are the result of alluvial fan and river depositions, and they are discontinuous in the Forebay Subbasin. These discontinuous clays at either depth are not laterally continuous across the Forebay Subbasin, as shown on Figure 8 and Figure 9, but may locally impact percolation from surface water sources or vertical groundwater flows. The AEM data confirm the larger bulk characterization of a heterogeneous "Basin Fill Aquifer" for the Forebay Subbasin.

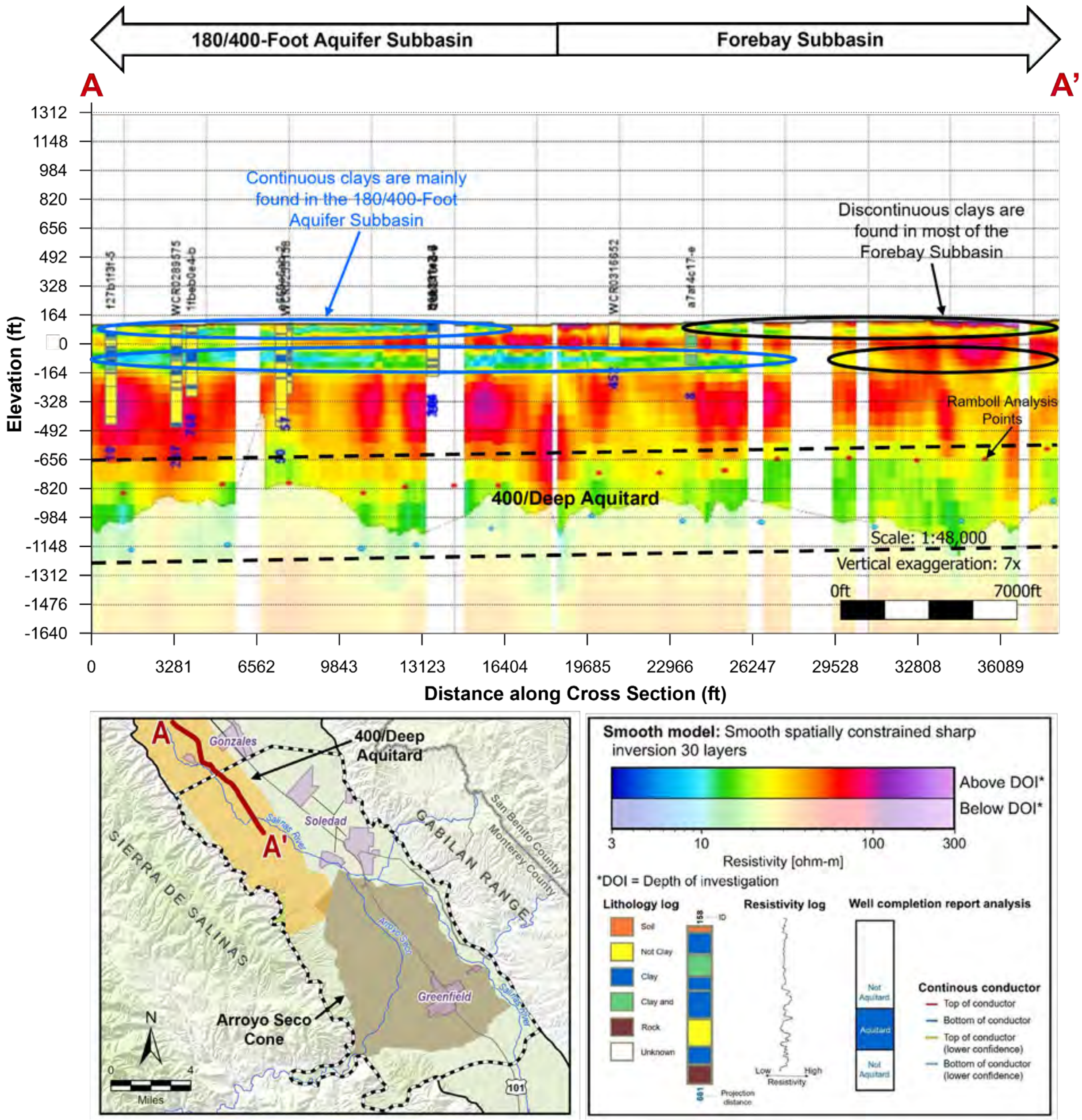


Figure 7. Updated Conceptual Understanding of Shallow Clays in the Forebay Subbasin with Key Data Used

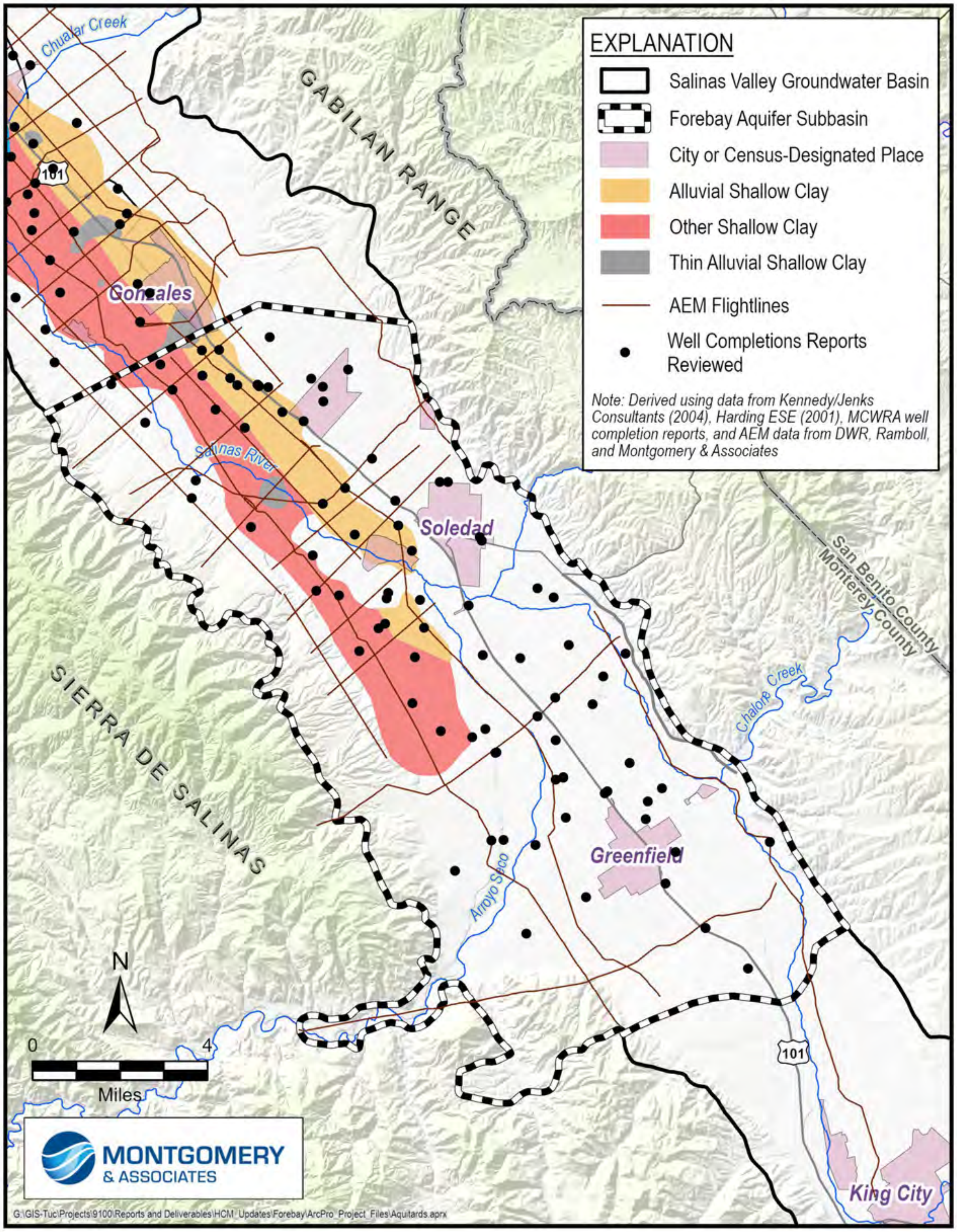


Figure 8. Salinas Valley Aquitard and Analogous, Discontinuous Shallow Clays Extent

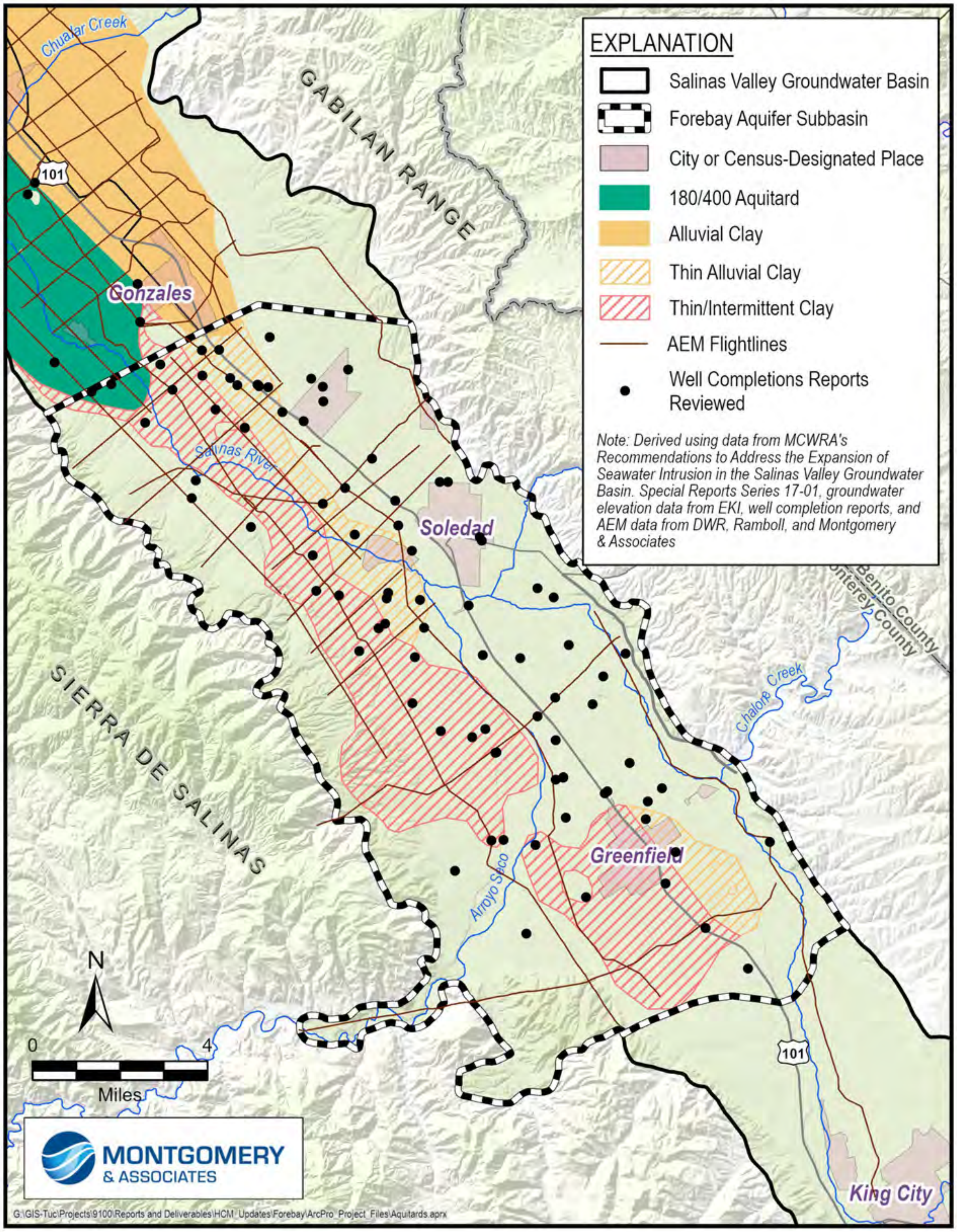


Figure 9. 180/400 Aquitard Extent and Analogous, Discontinuous Clays in Forebay Subbasin

CONCLUSIONS

The Forebay Subbasin HCM presented in the GSP was developed using the best available data and information available at the time. This HCM update uses the best available data and information procured since GSP development and provides clear refinements for the Subbasin overall.

The following are principal updates to the Forebay Subbasin HCM:

- The Deep Aquifers are present, extend farther south, and are below the majority of installed wells in the Subbasin, based on the results of the *Deep Aquifer Study* (M&A, 2024).

- The bedrock surface that delineates the bottom of the Subbasin is both shallower and more gently sloping from the Gabilan Range than previously understood.

- Alluvial fans characterize the eastern portion of the Subbasin and are identified by the presence of high clay content, which is likely from chemical decomposition of eroded granitic material from the Gabilan Range. The alluvial fans follow the slope of the redefined bedrock surface and have interlayered with the Arroyo Seco Cone alluvial sediments over depositional history.

- Discontinuous clays are present within the Forebay Subbasin at shallow, middle, and deeper levels, which may preclude vertical groundwater flows in certain locations, but do not constitute a laterally continuous aquitard, much less distinguish discrete pumping zones in the subsurface. This confirms the larger bulk characterization of a heterogeneous "Basin Fill Aquifer" for the Forebay Subbasin.

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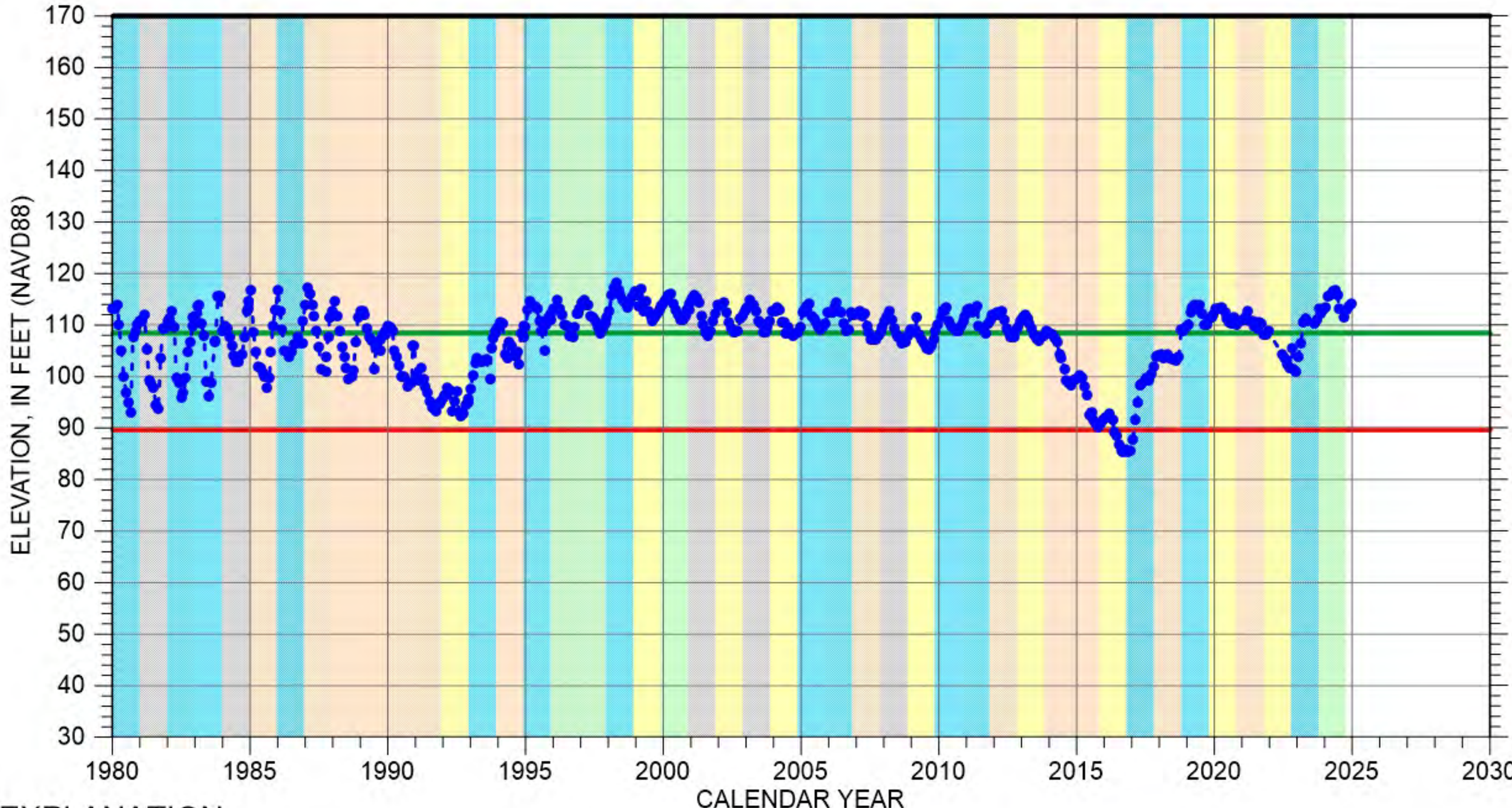
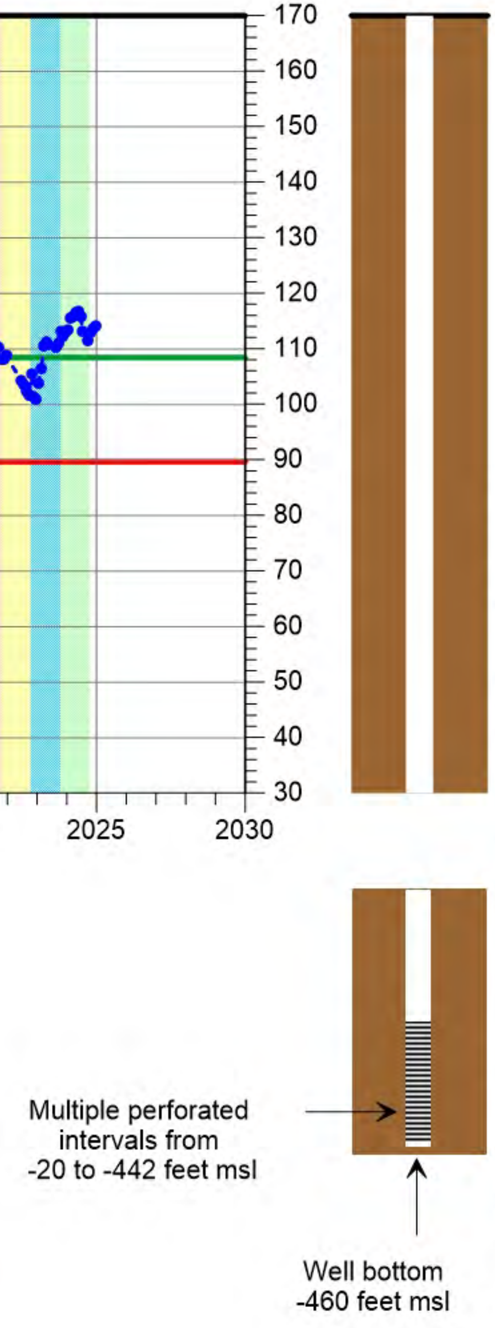
Appendix B

Hydrographs of Representative Monitoring Site Wells

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-02N04

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

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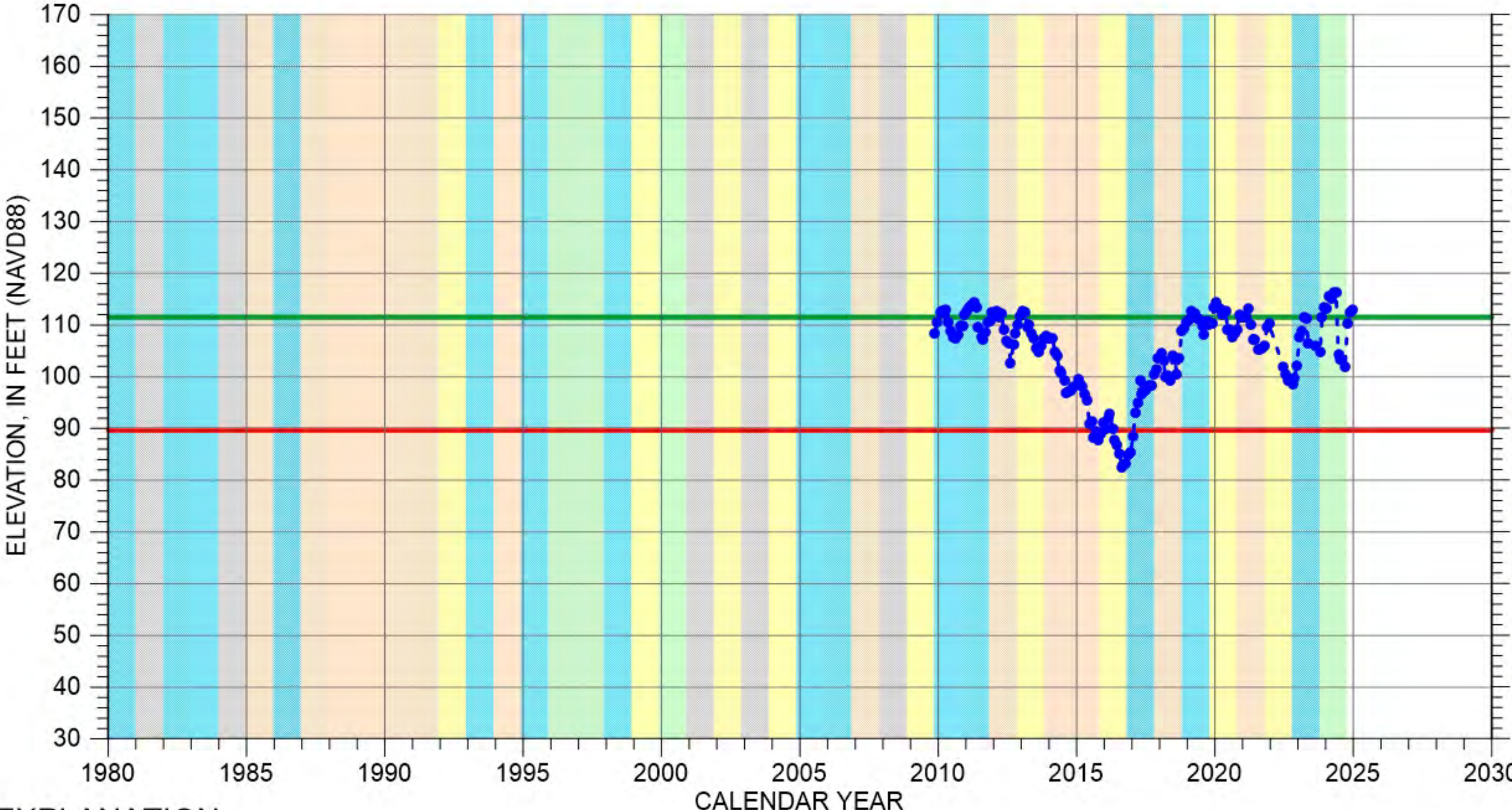
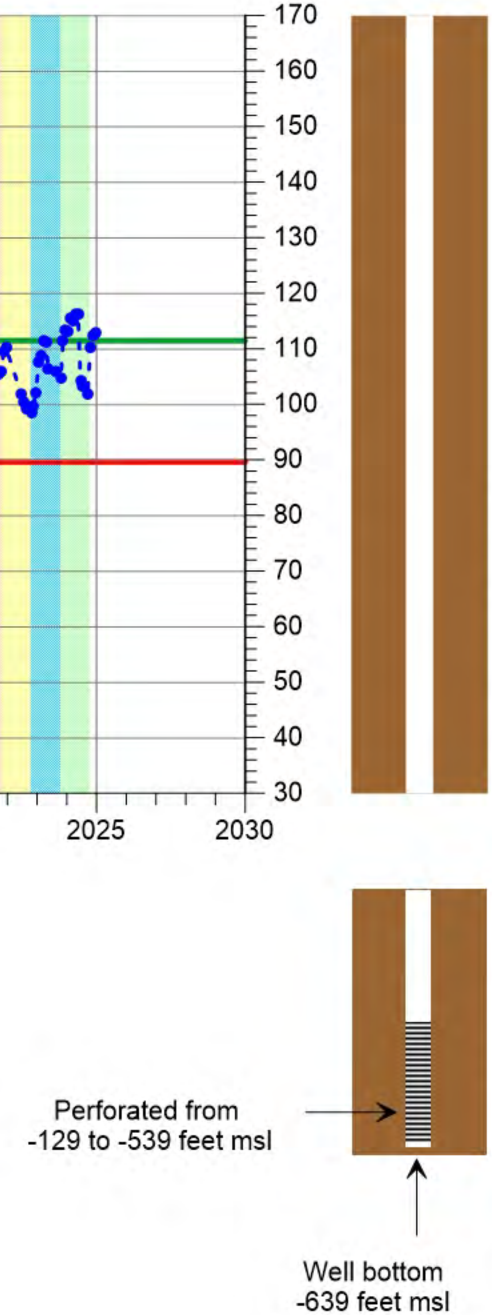
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-03R50

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (171 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

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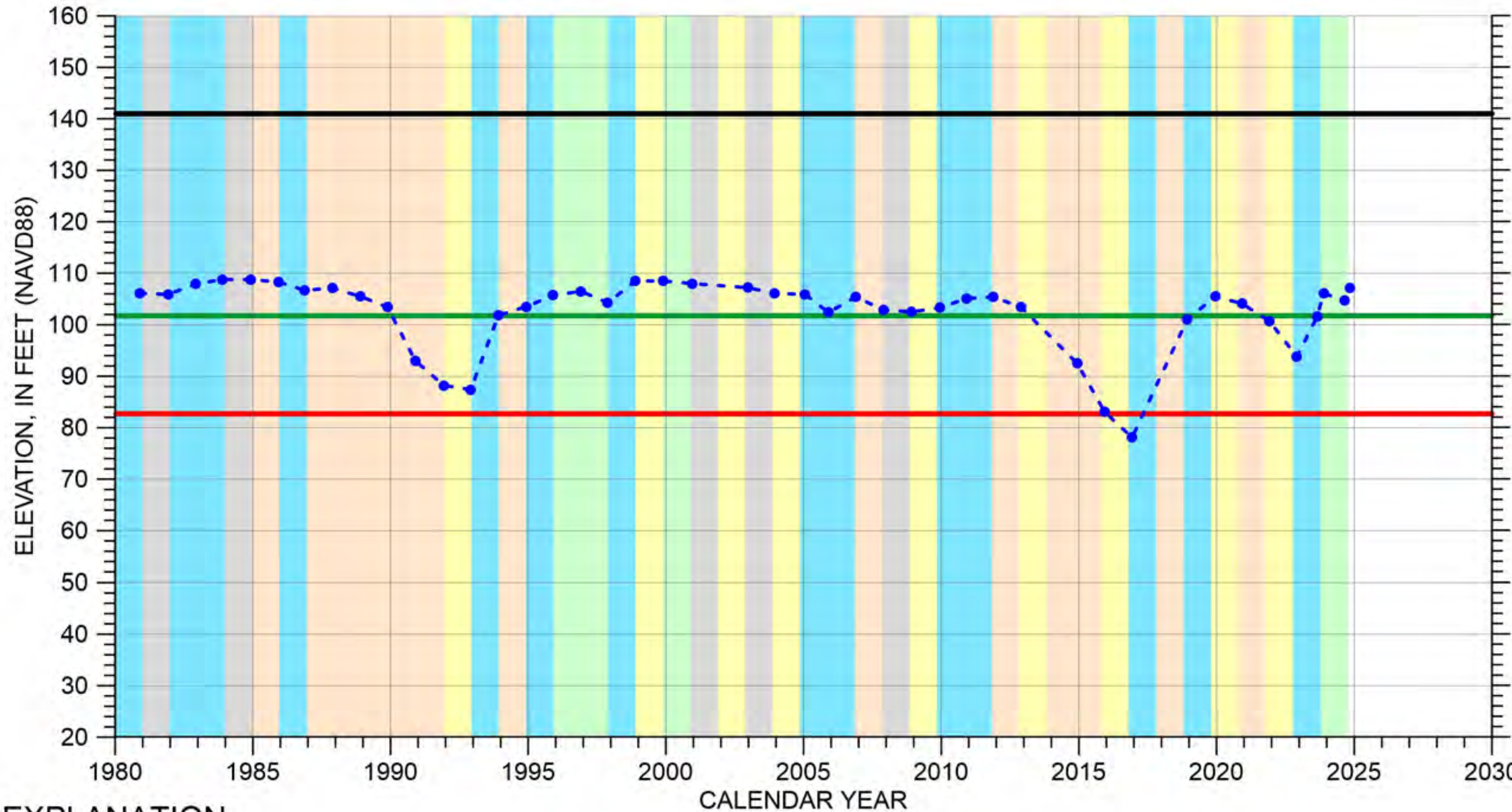
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-04R01

Forebay Aquifer Subbasin

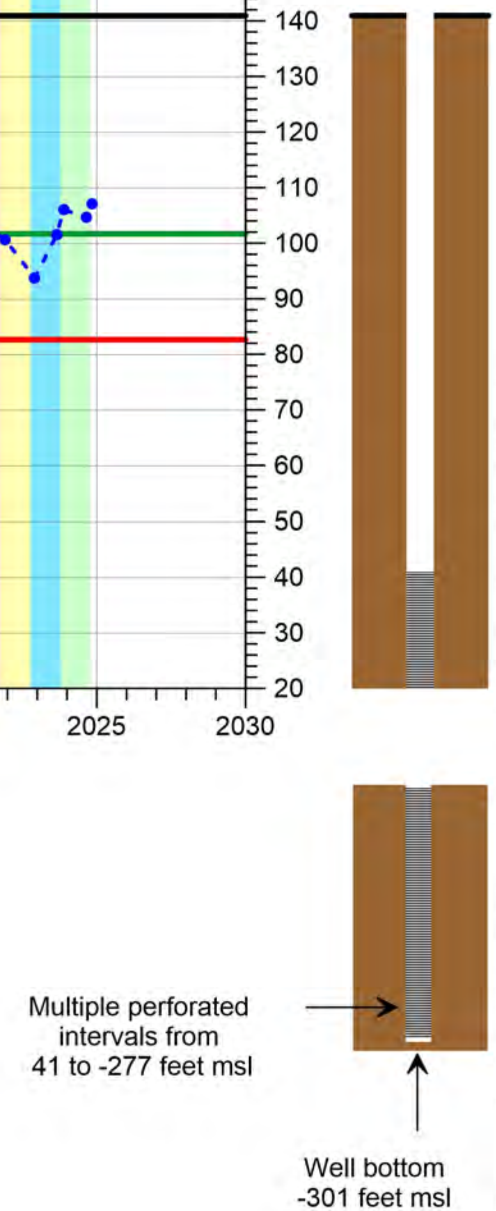


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



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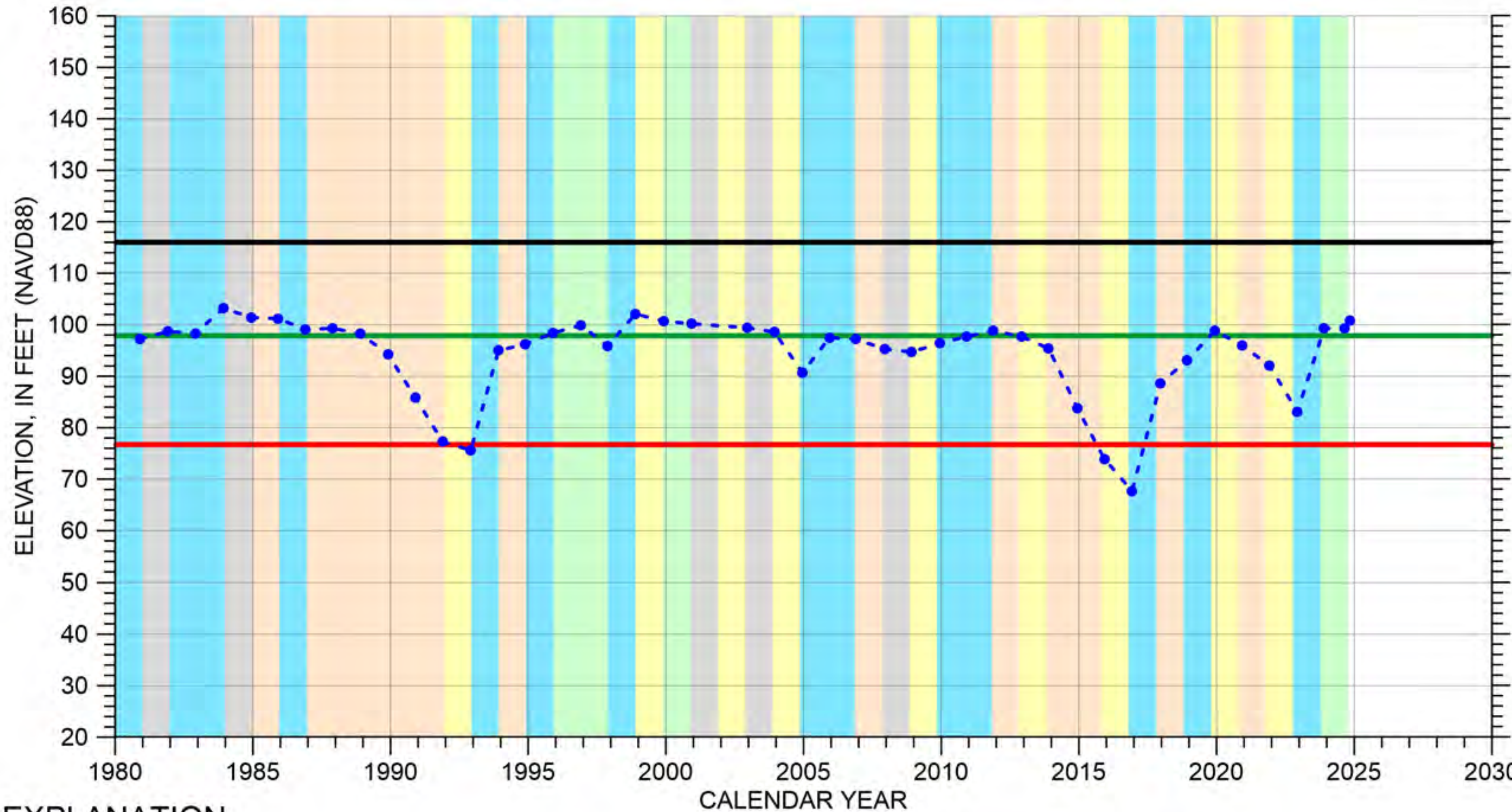
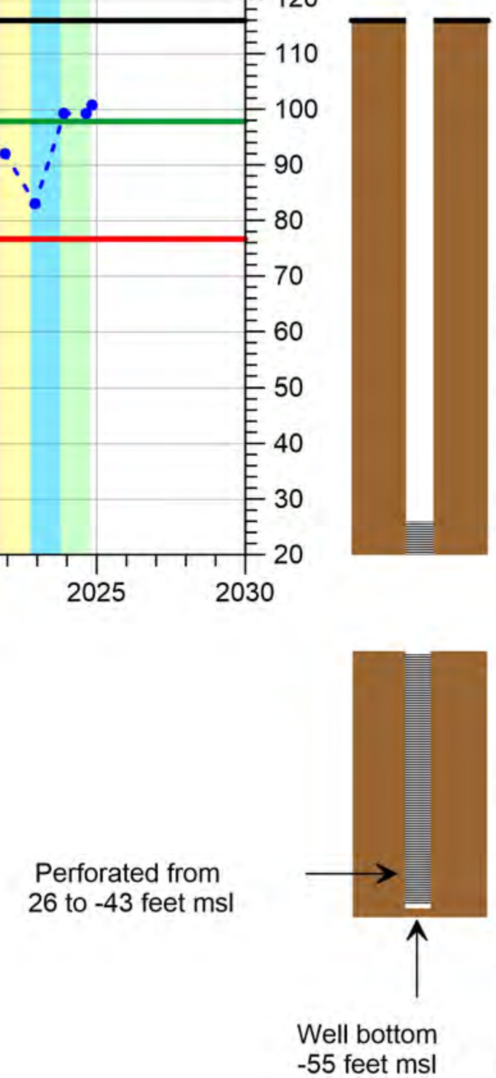
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-06Q01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

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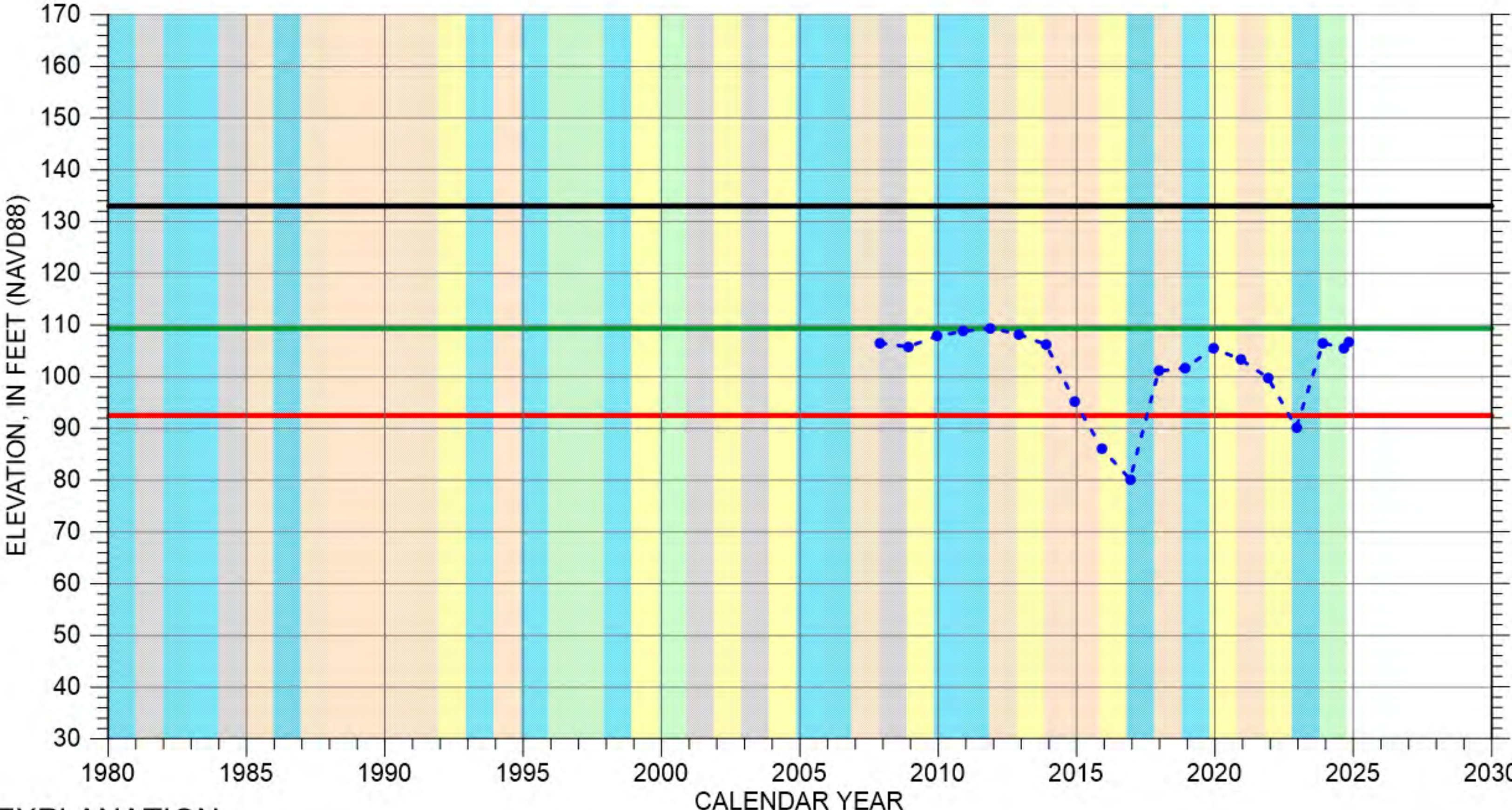
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-08L02

Forebay Aquifer Subbasin

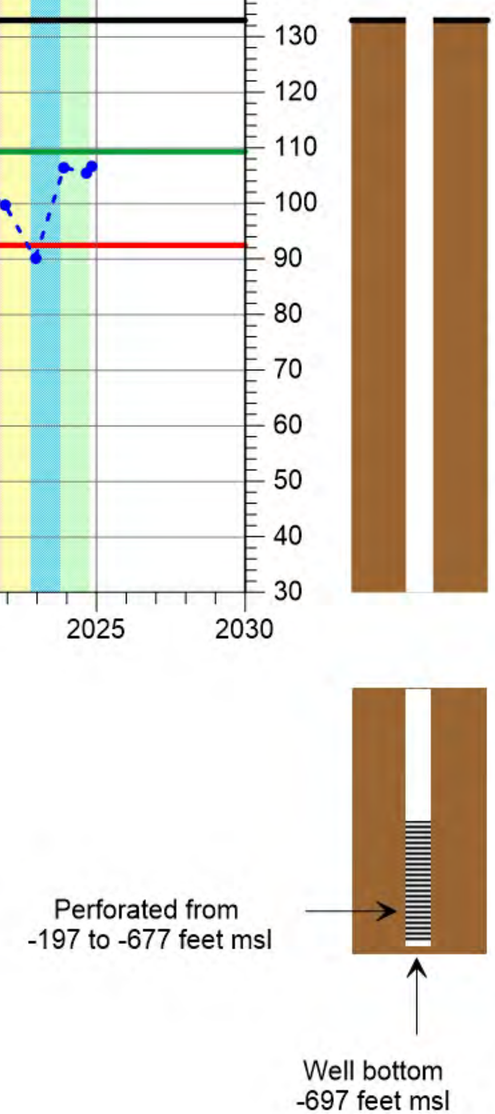


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



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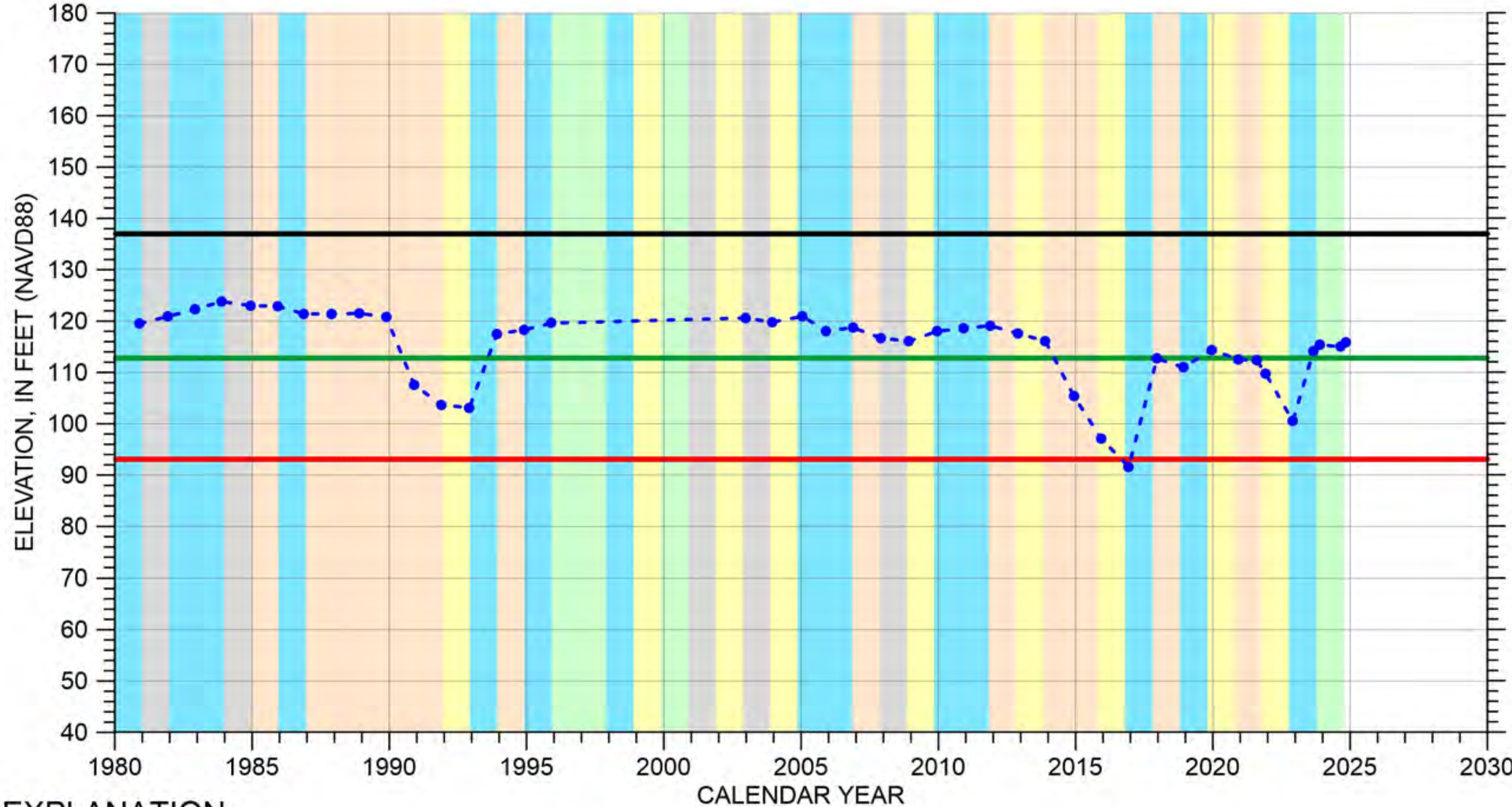
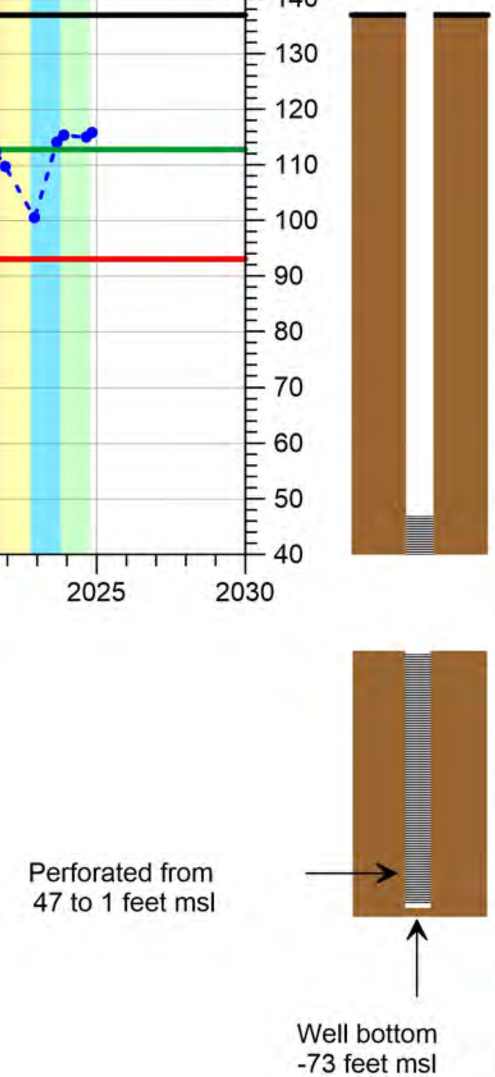
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-09R01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

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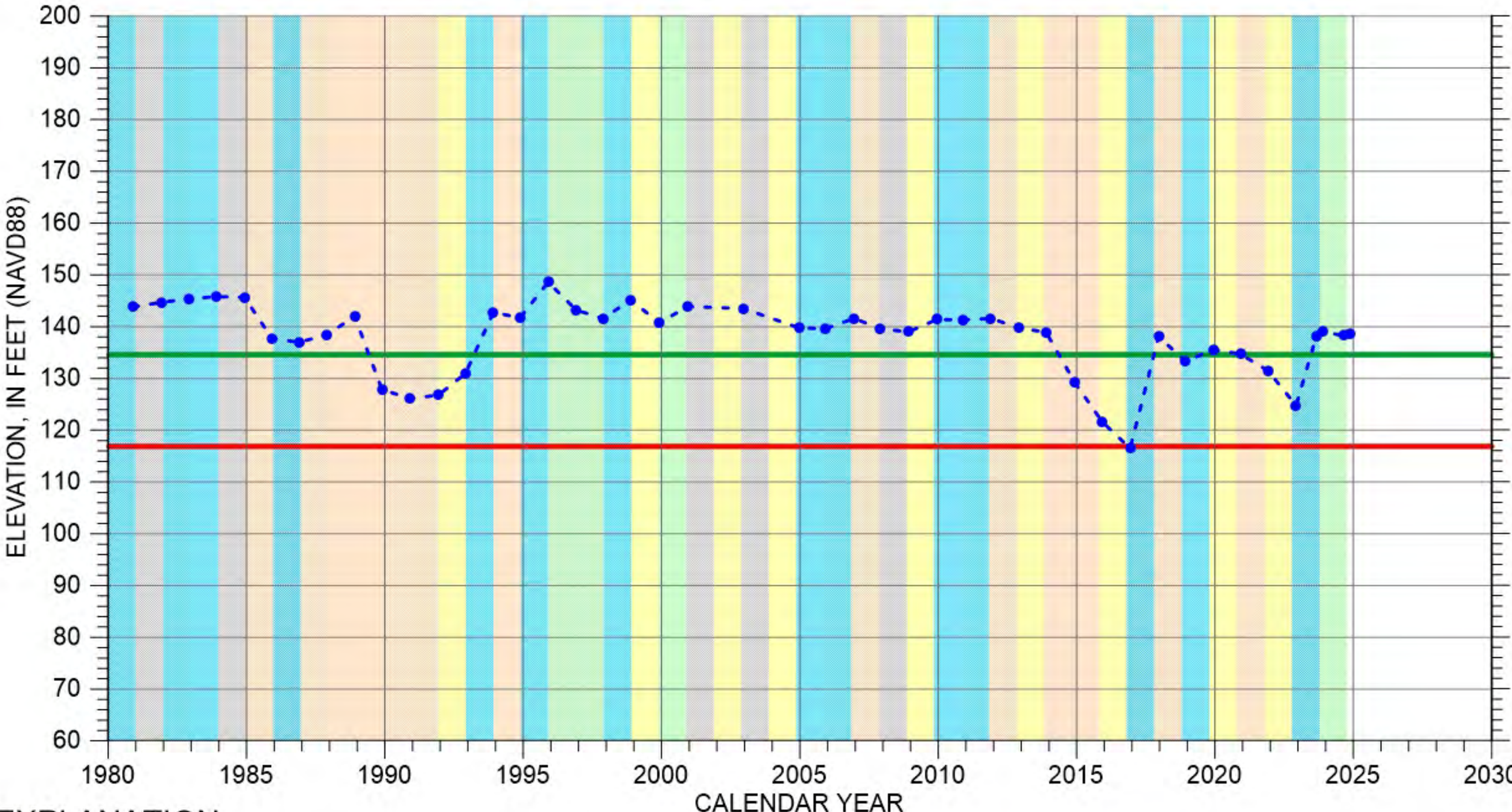
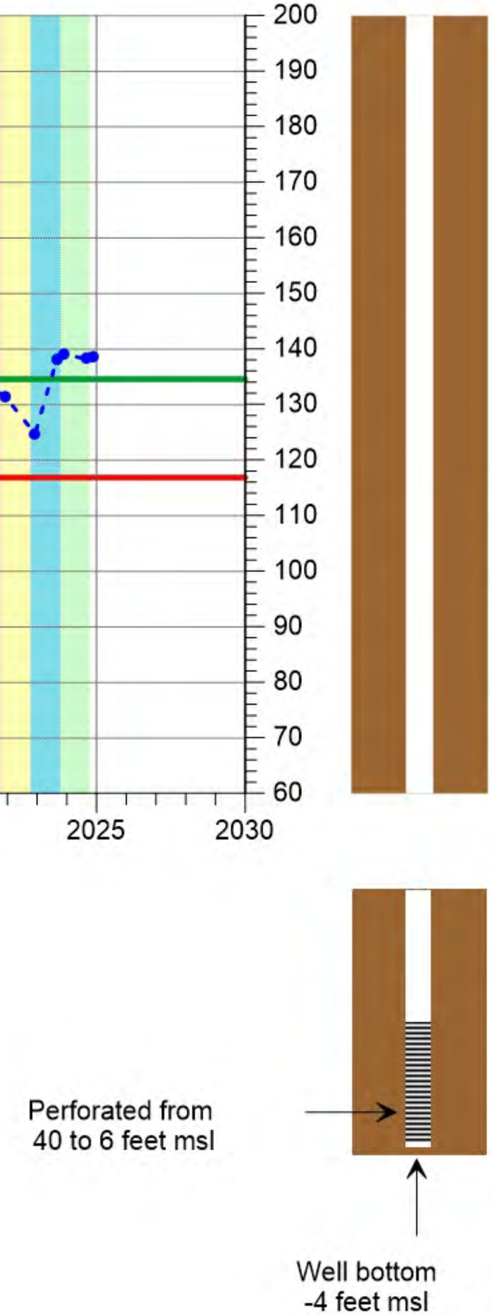
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-27A01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (262 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

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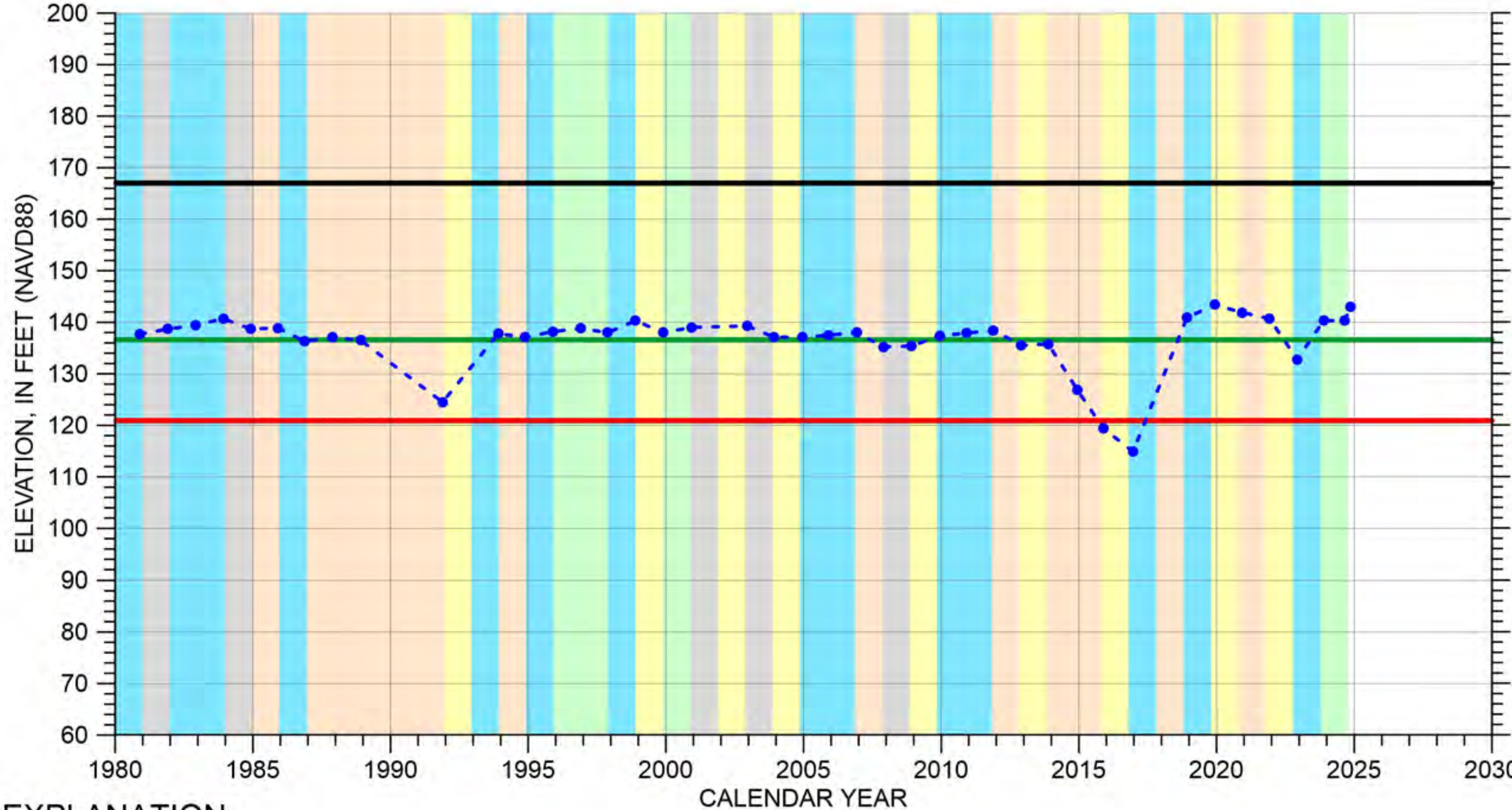
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-36F02 Forebay Aquifer Subbasin



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EXPLANATION

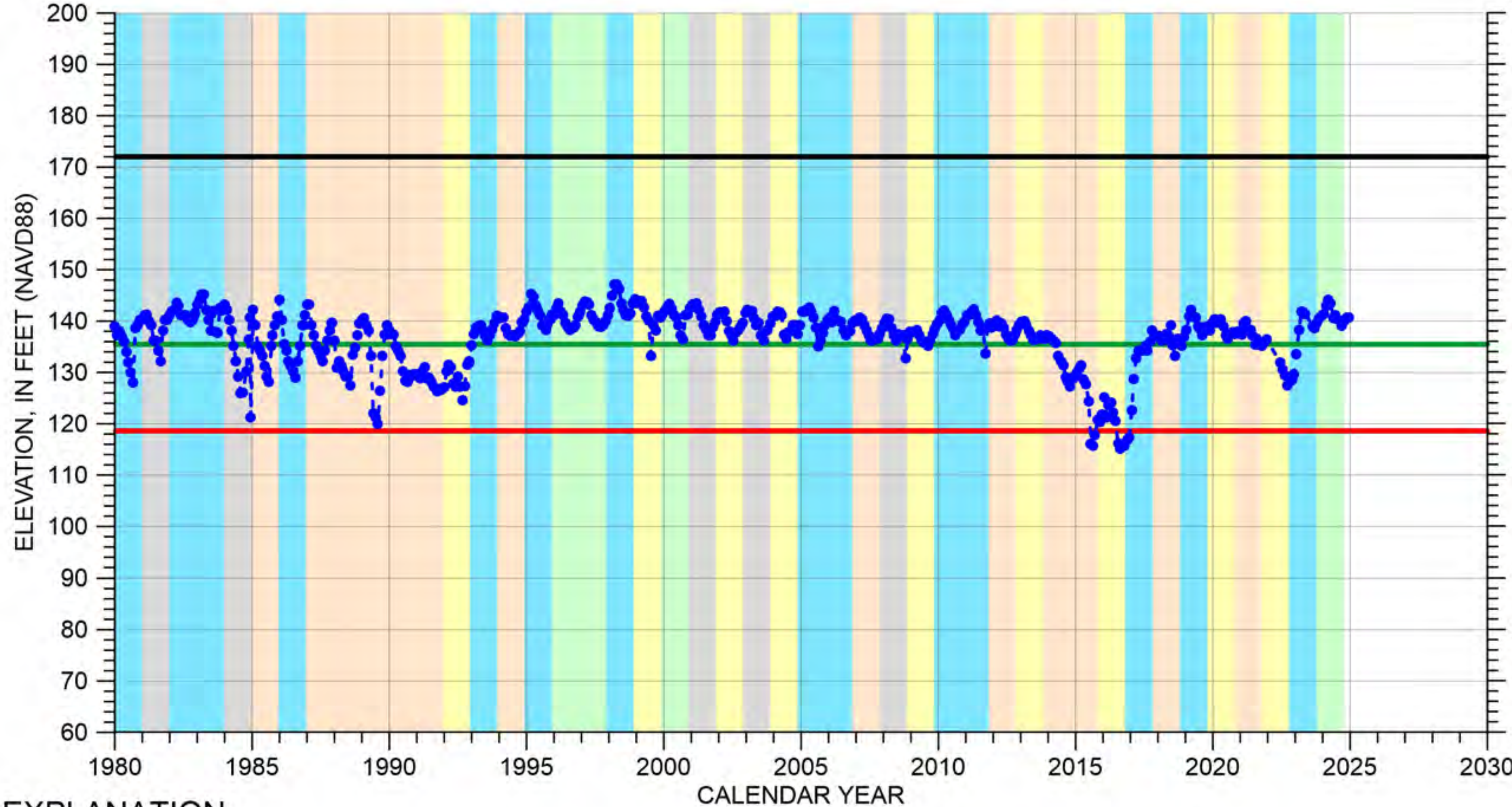
- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/06E-19D01

Forebay Aquifer Subbasin



Perforated interval unknown

Well bottom -80 feet msl

EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

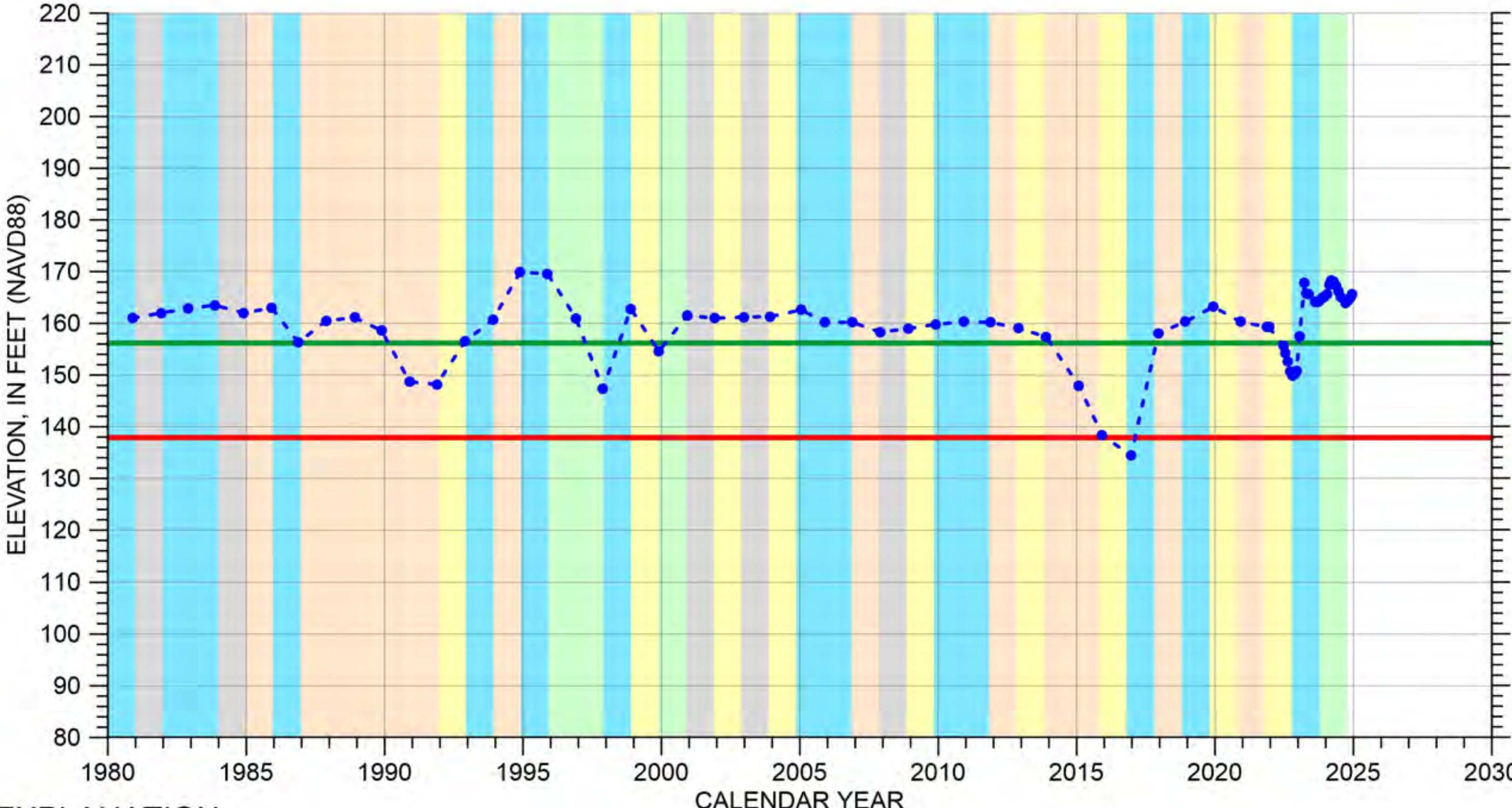
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\17S_06E-19D01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/06E-27K01

Forebay Aquifer Subbasin



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (244 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

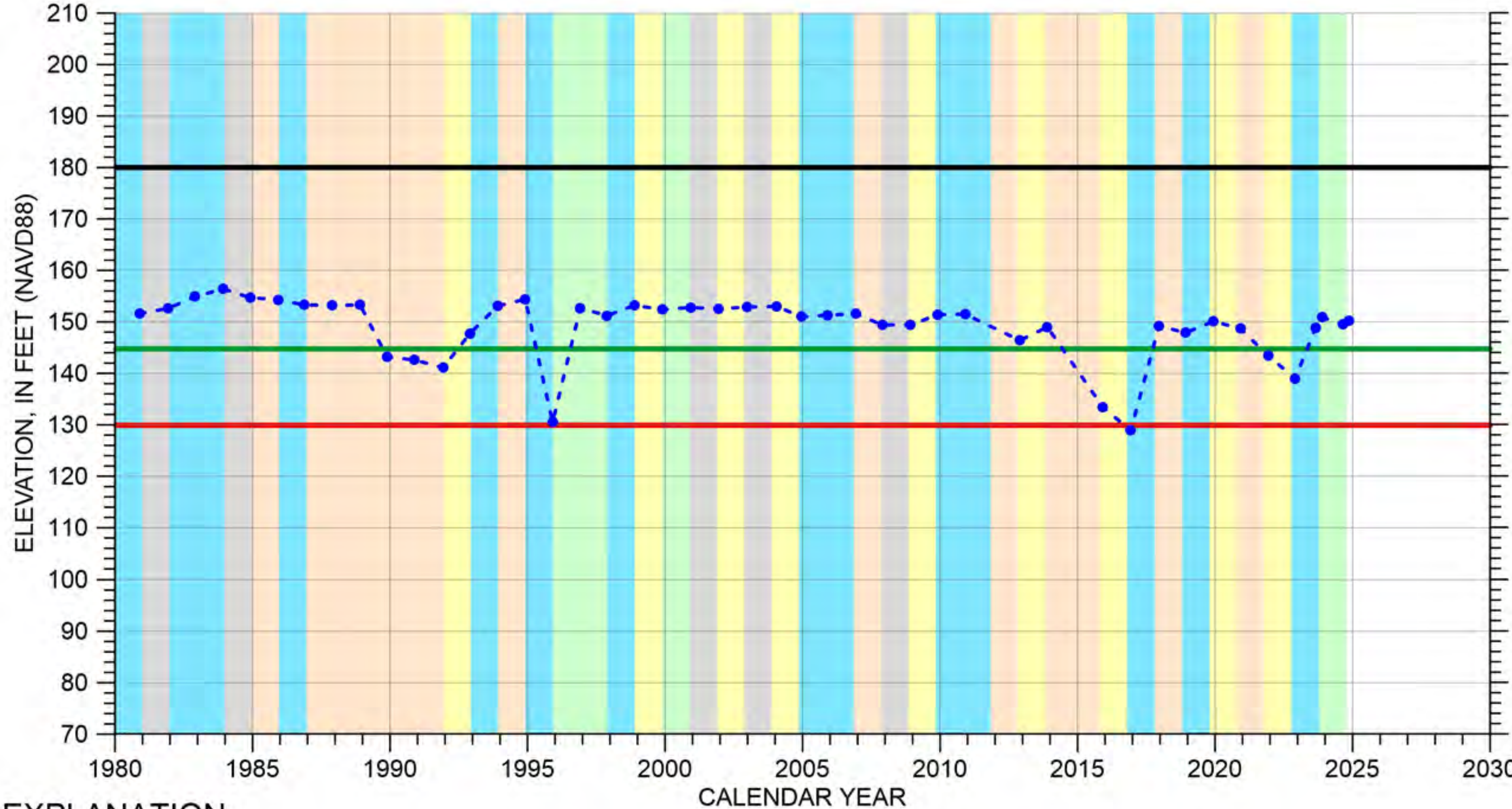
Perforated interval unknown

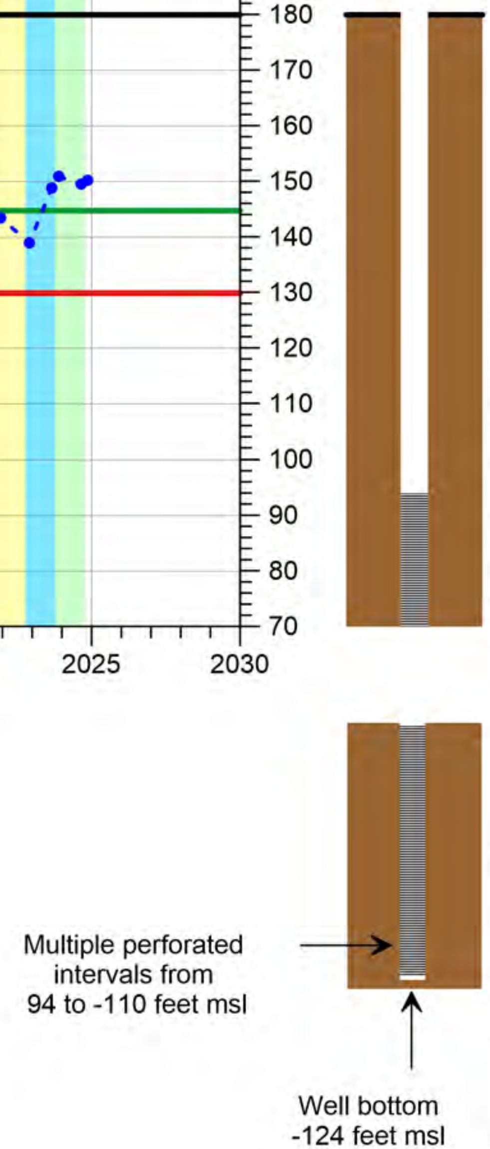
Well bottom -6 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\17S_06E-27K01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/06E-29C01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

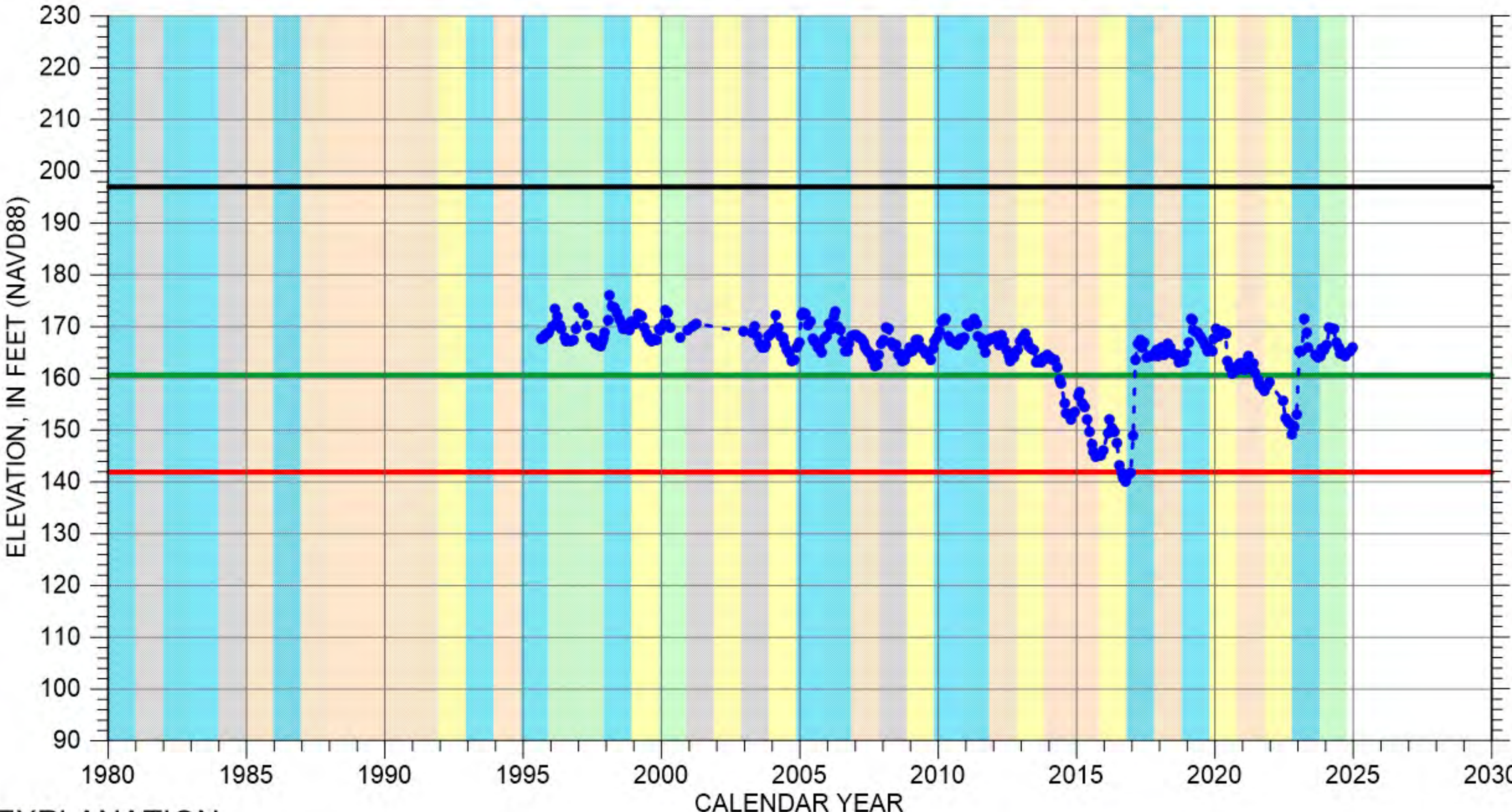
WATER YEAR TYPE DESIGNATION

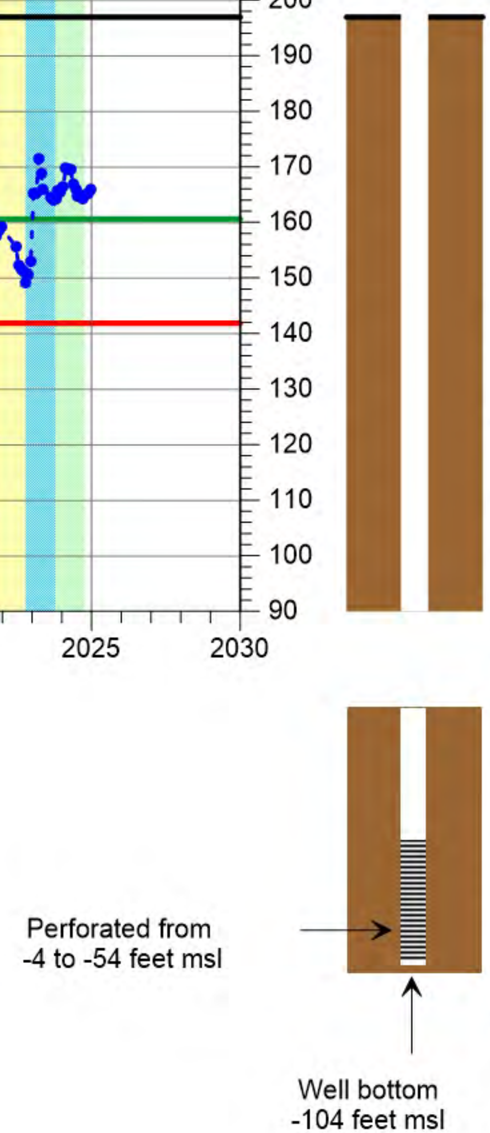
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\17S_06E-29C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/06E-33R01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

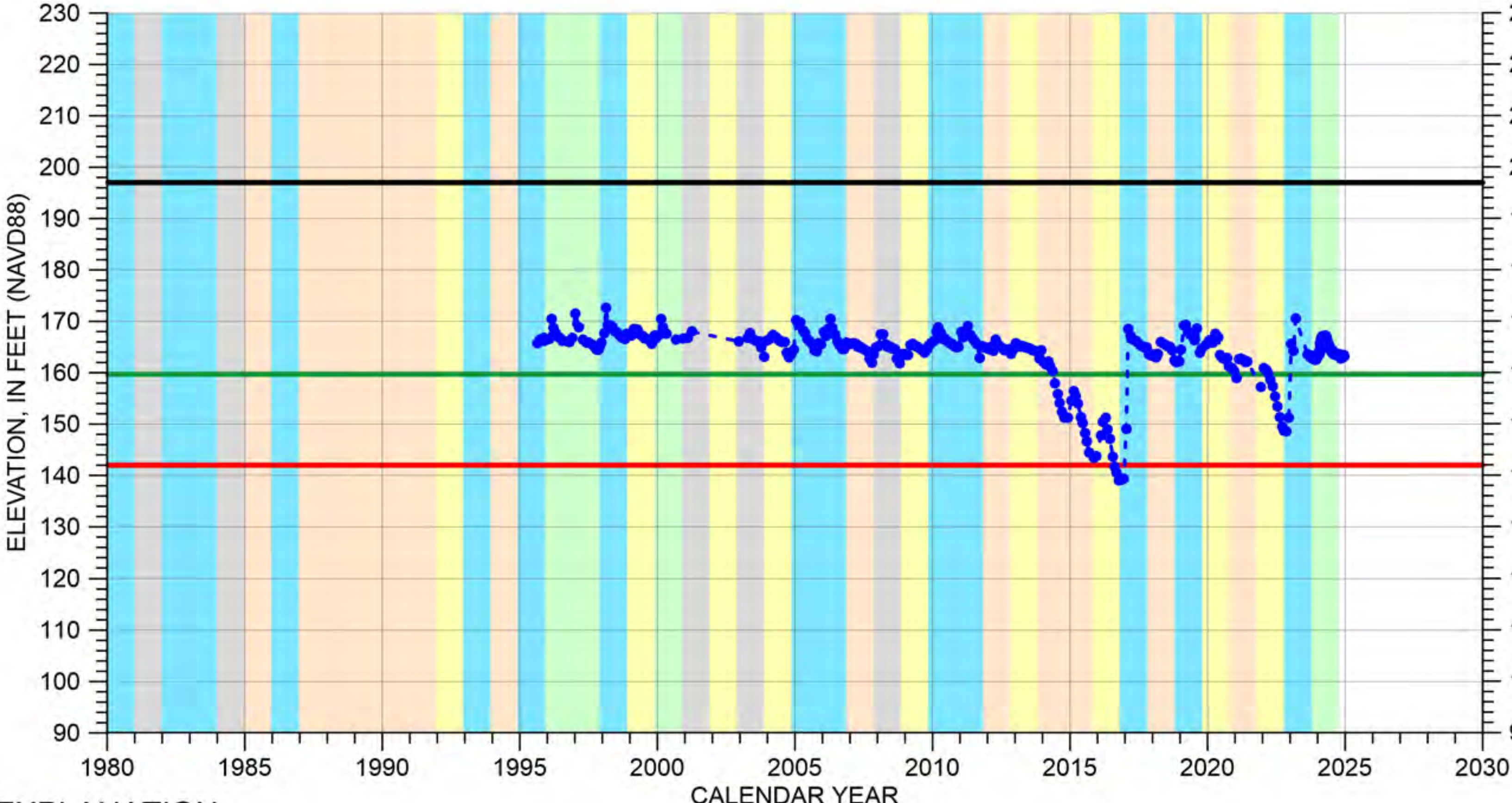
WATER YEAR TYPE DESIGNATION

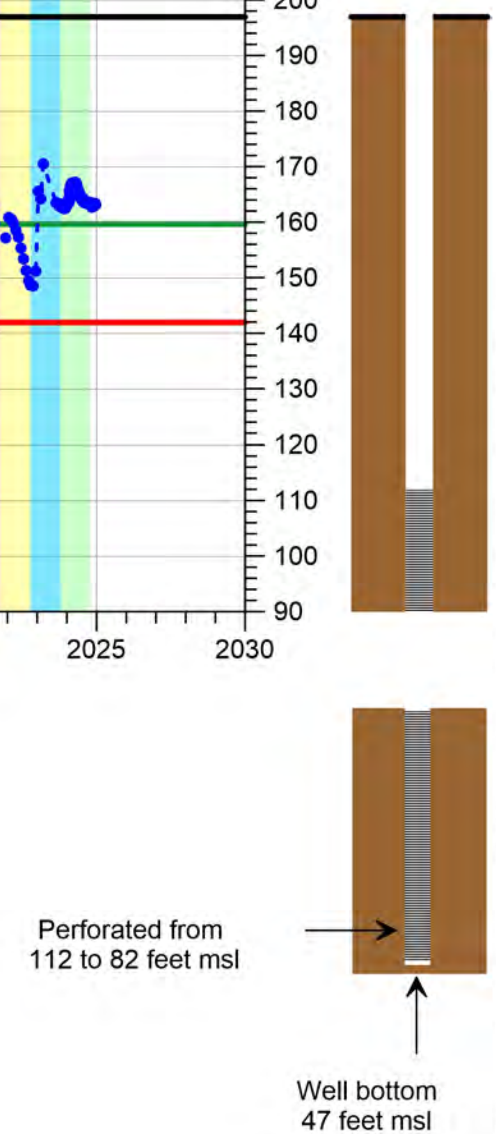
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\17S_06E-33R01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/06E-33R02

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

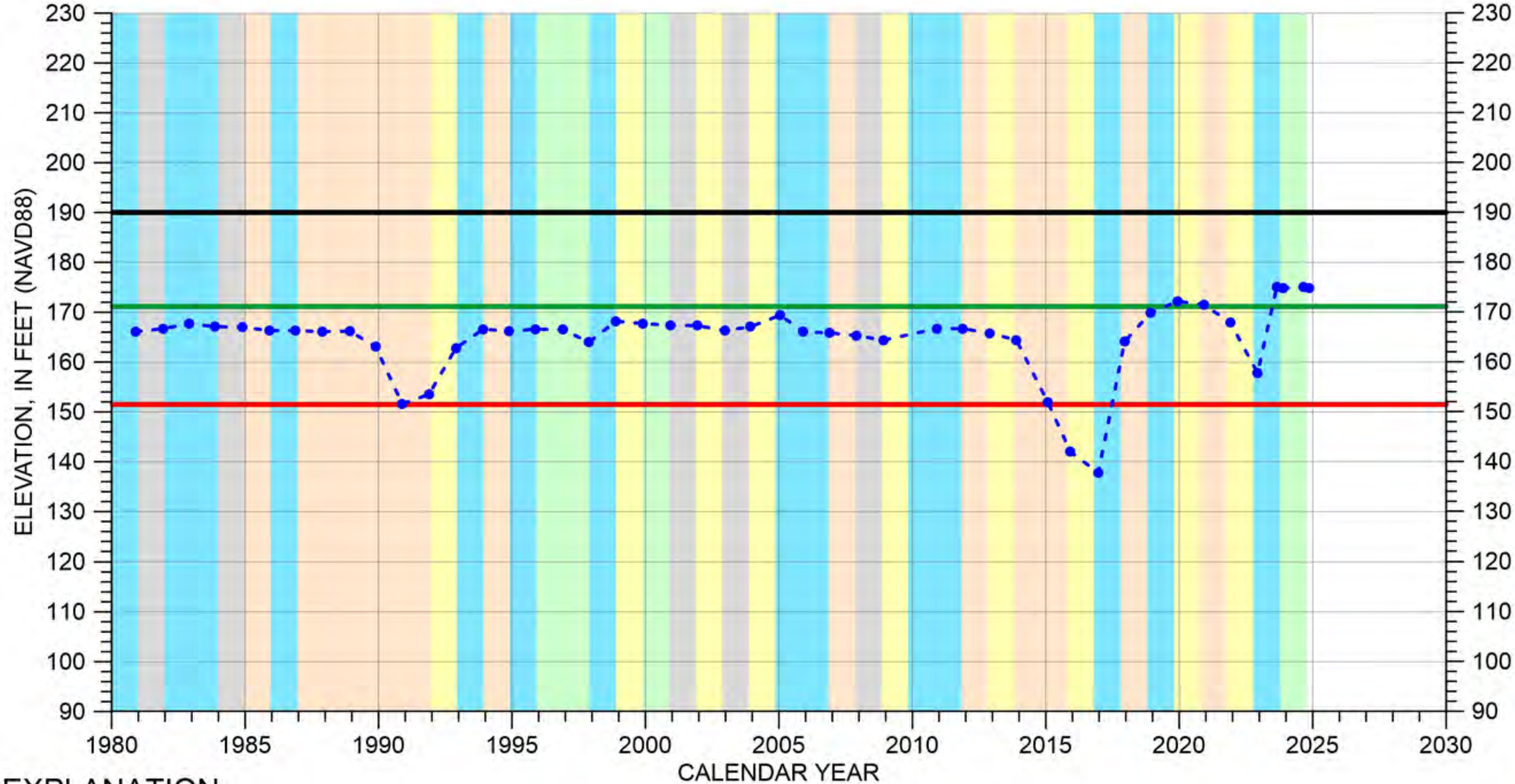
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\17S_06E-33R02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/06E-35J01

Forebay Aquifer Subbasin

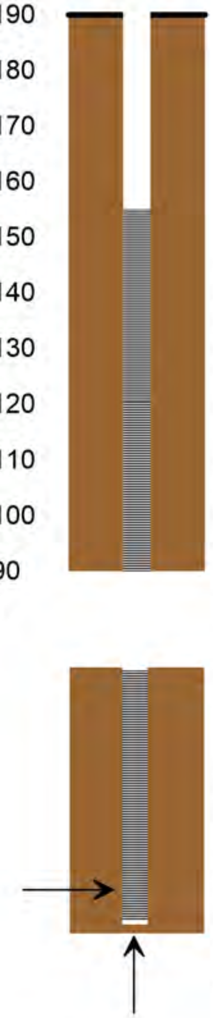


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

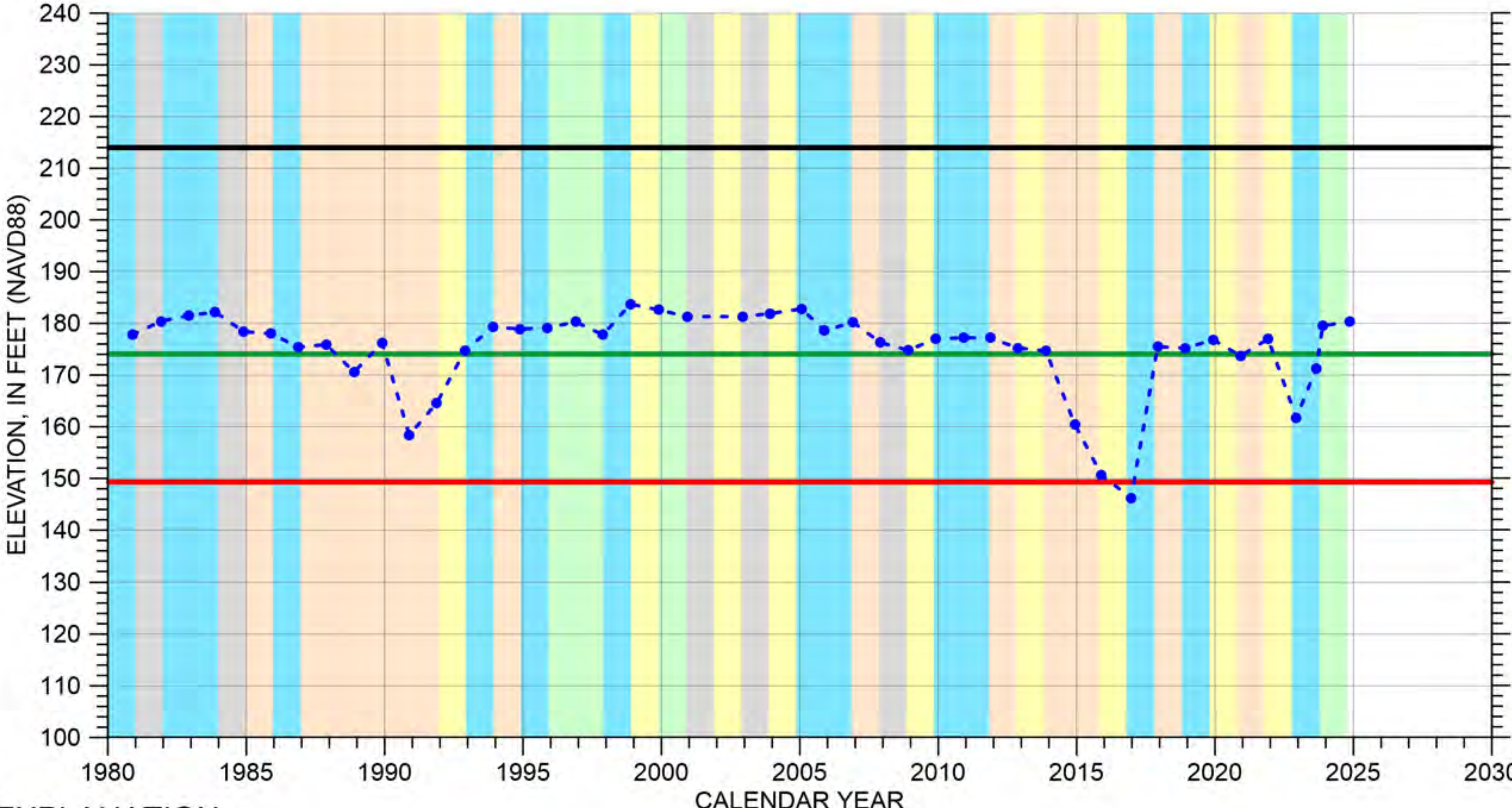
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\17S_06E-35J01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-01E01 Forebay Aquifer Subbasin

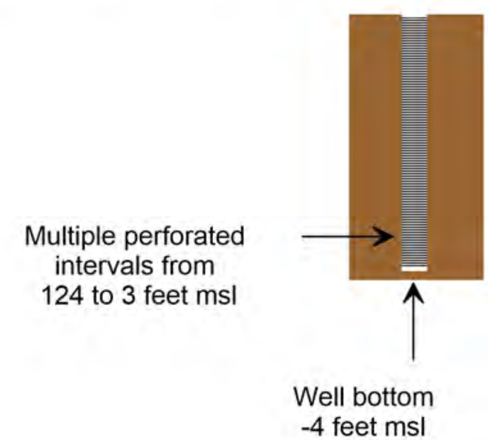


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

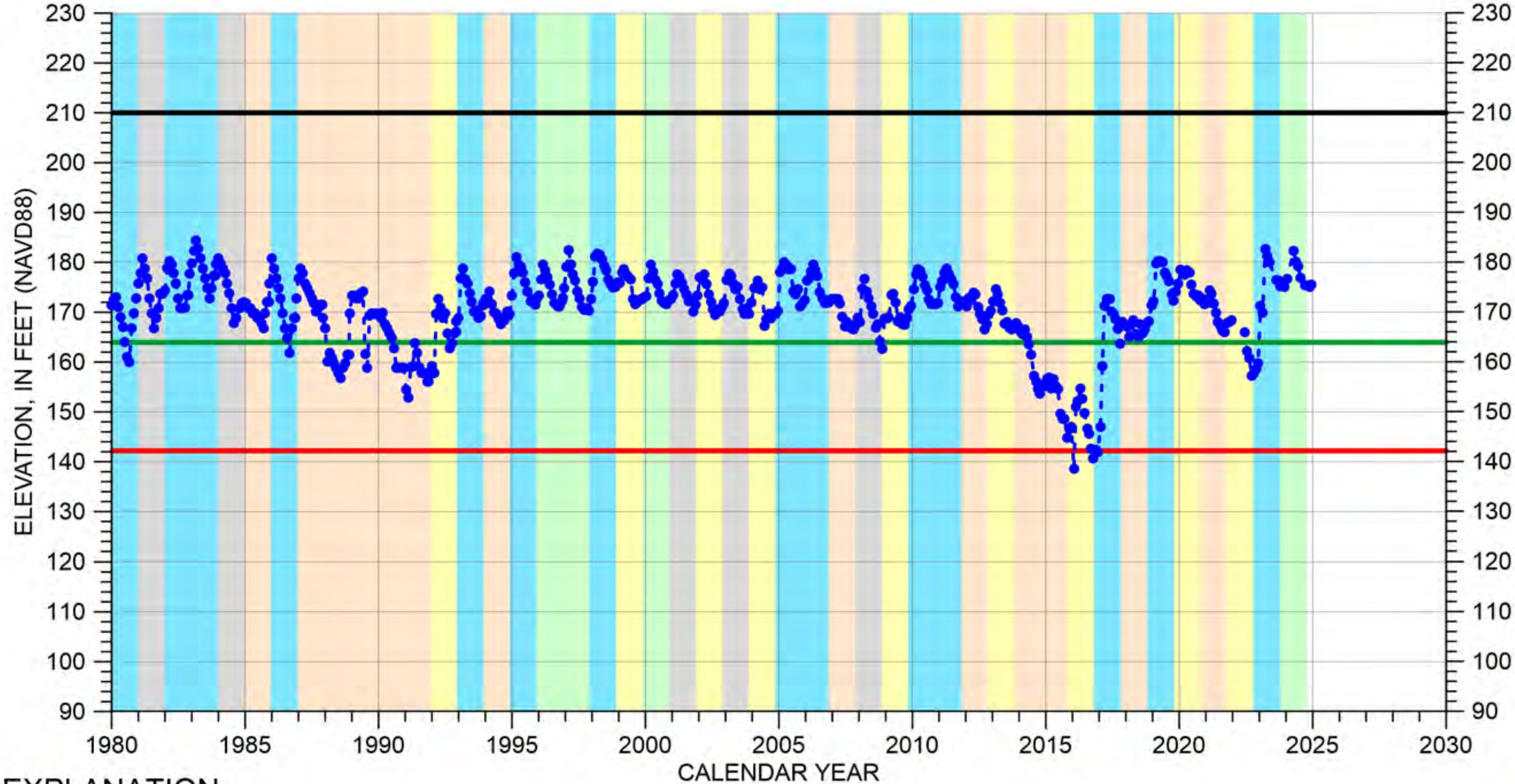
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

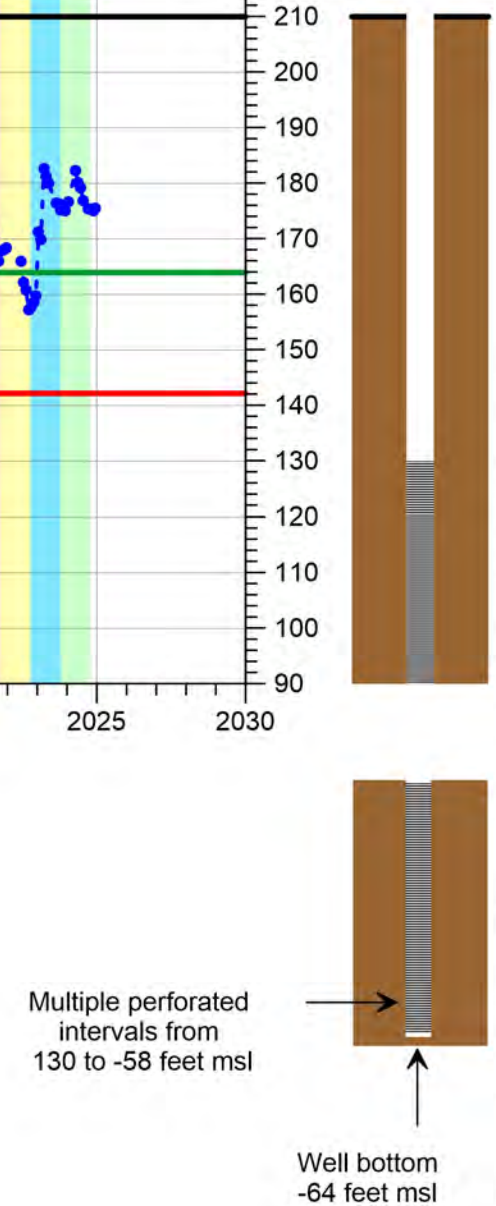


S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-01E01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-02N01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

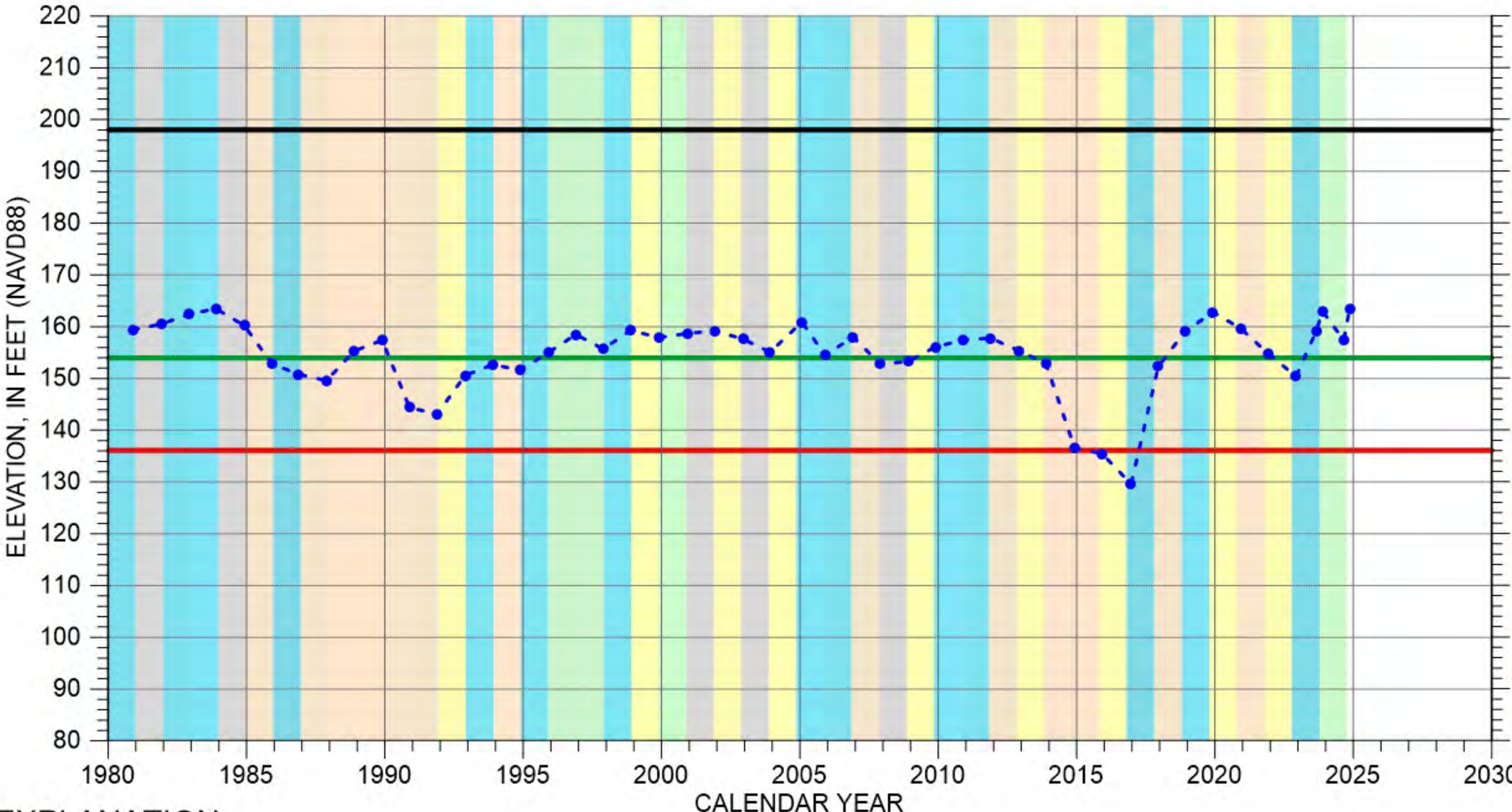
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-02N01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-05R03

Forebay Aquifer Subbasin

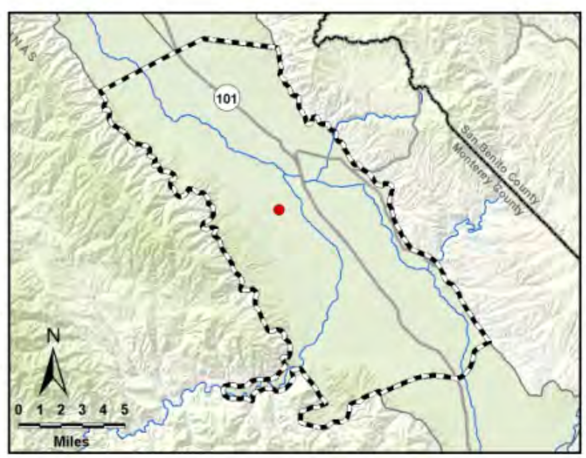


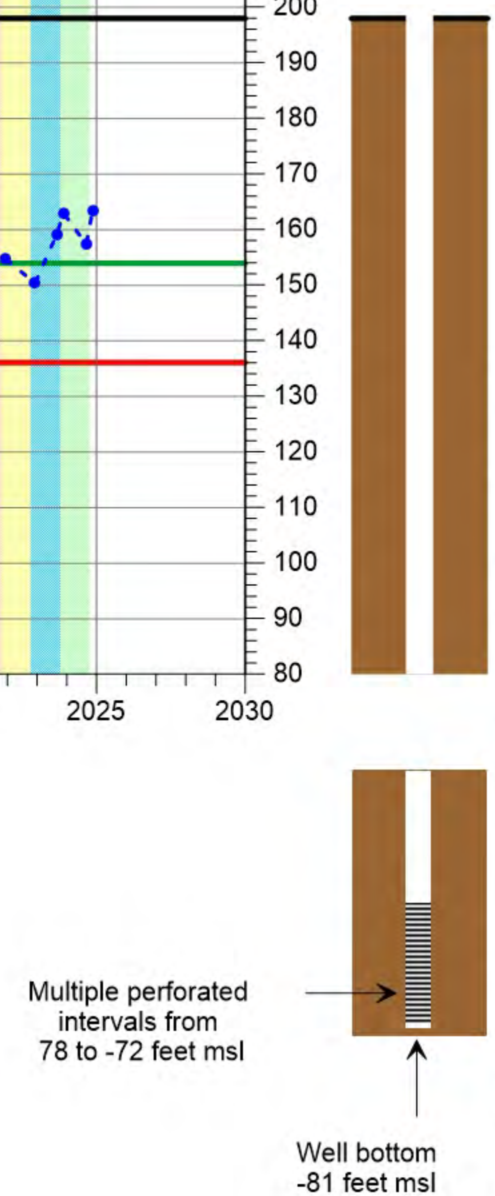
EXPLANATION

Groundwater Elevation
Suspect Measurement
Land Surface
Measurable Objective
Minimum Threshold

WATER YEAR TYPE DESIGNATION

DRY
DRY - NORMAL
NORMAL
WET - NORMAL
WET

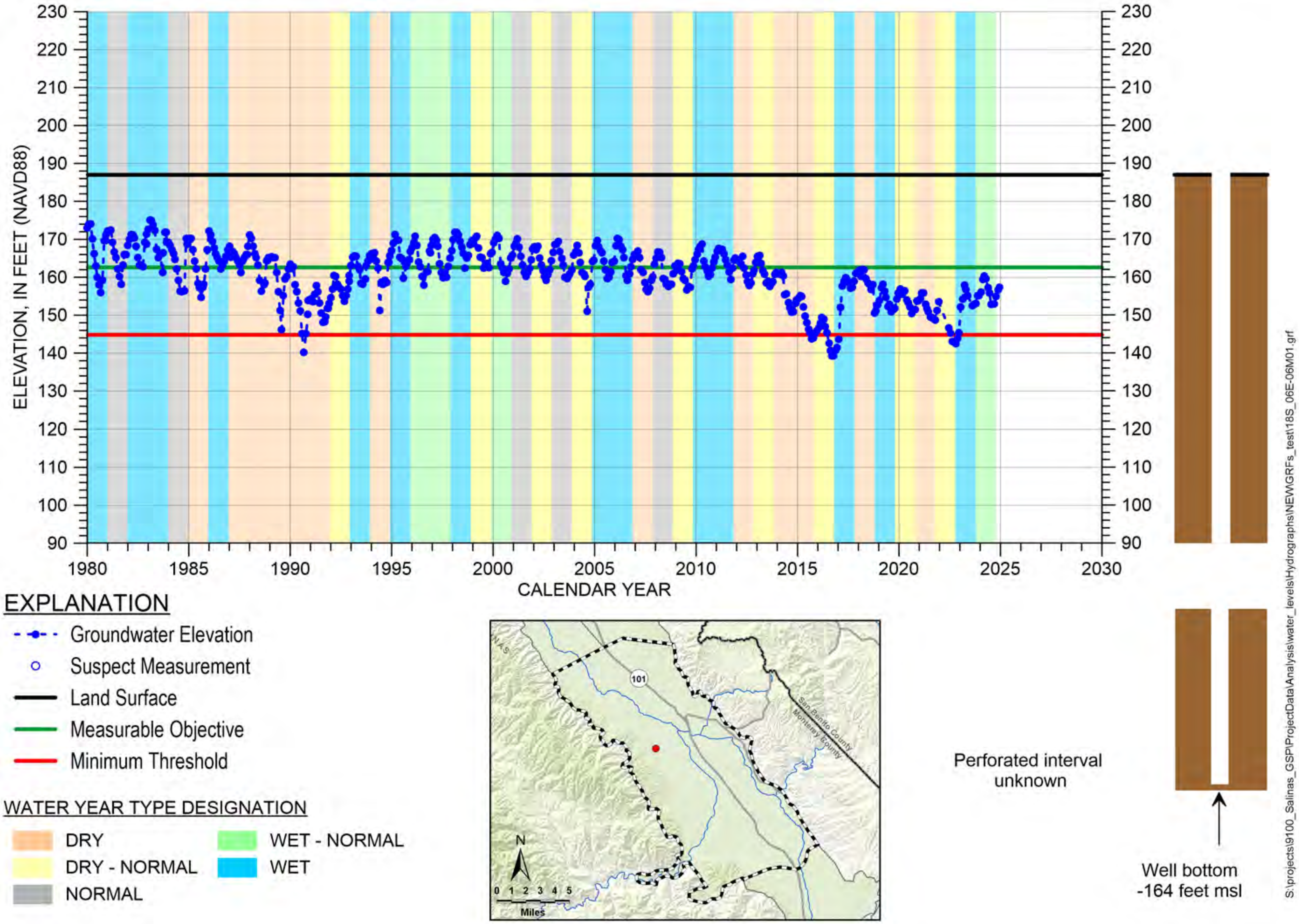




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\18S_06E-05R03.grf

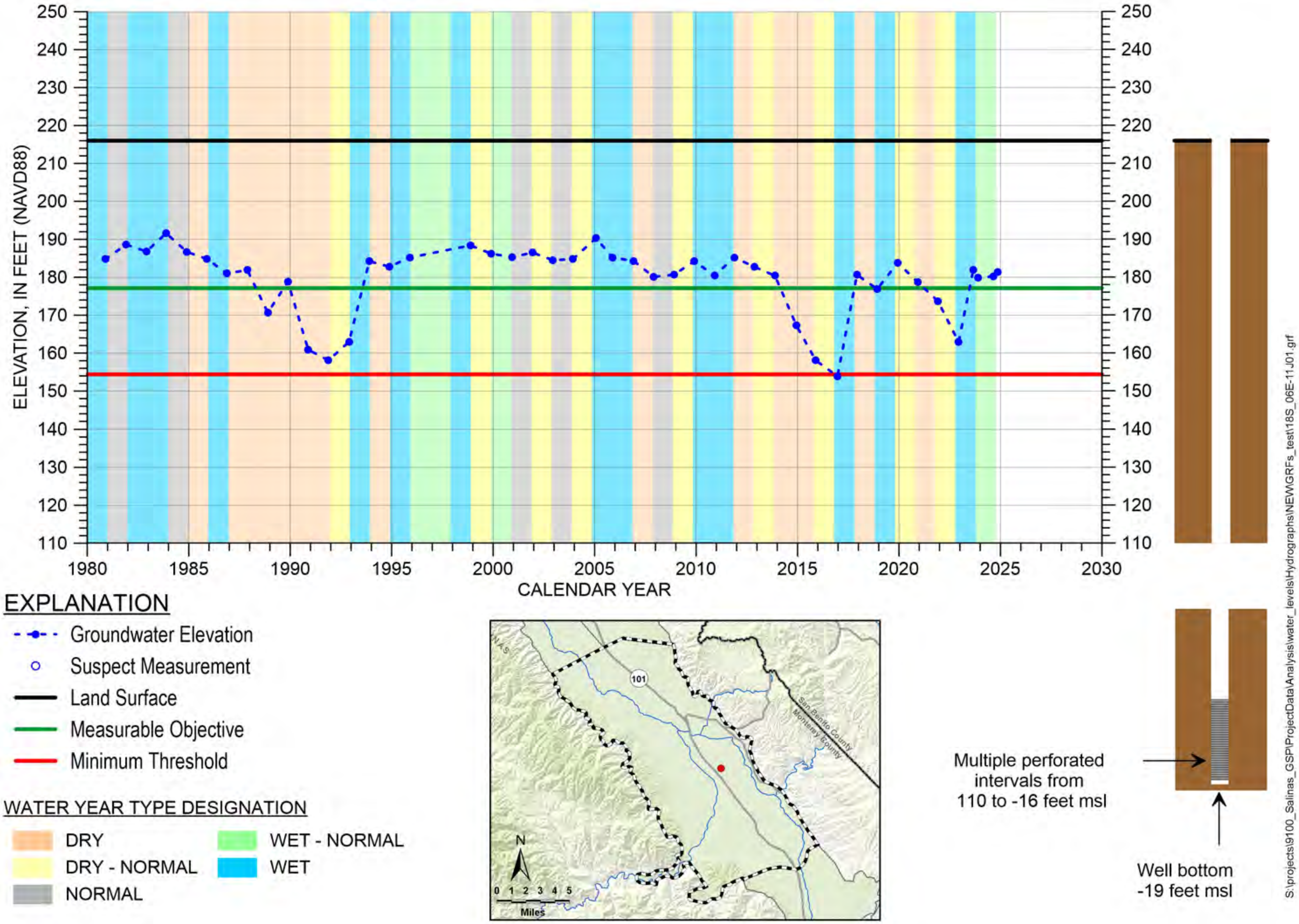
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-06M01

Forebay Aquifer Subbasin



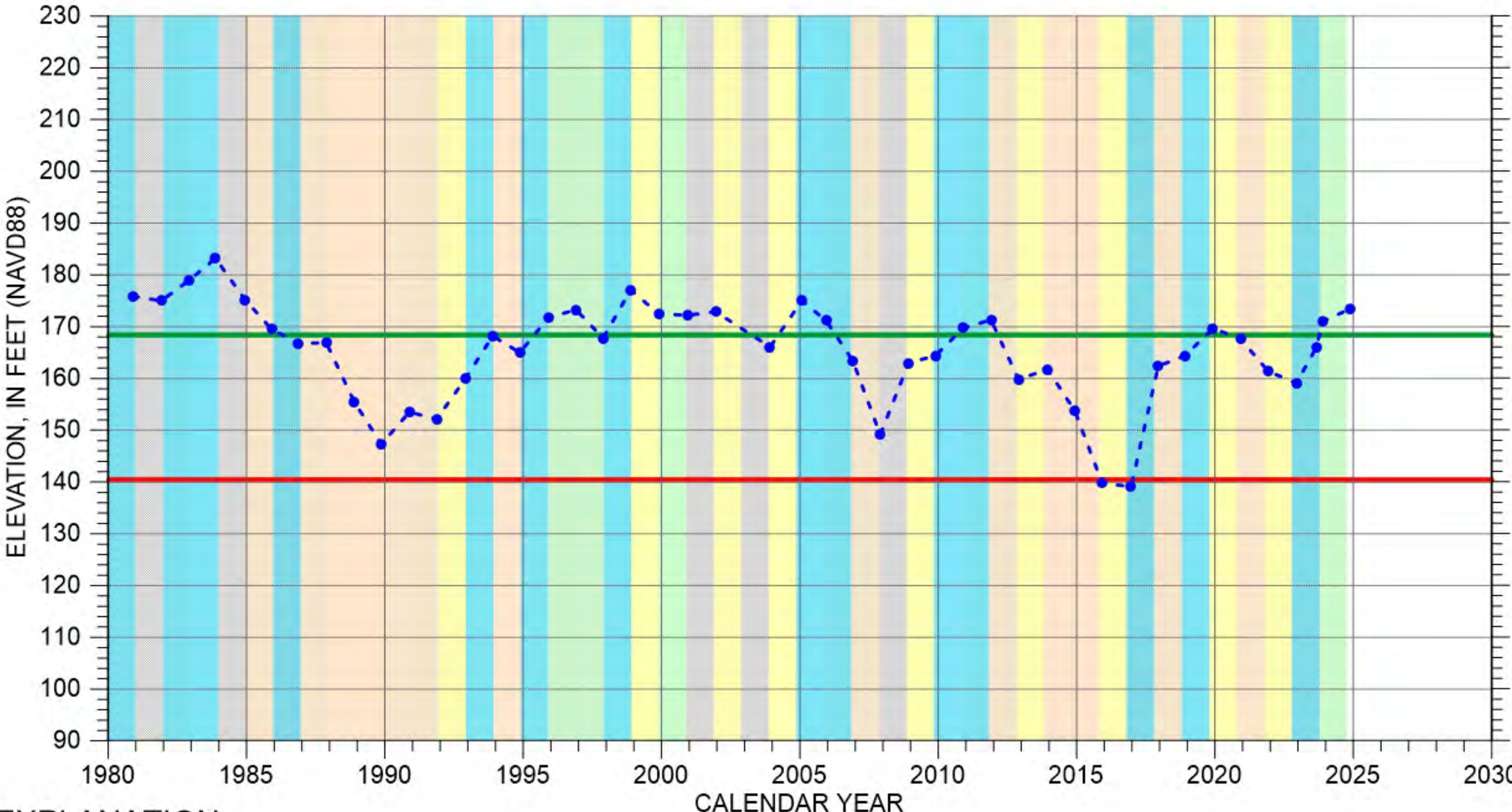
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-11J01

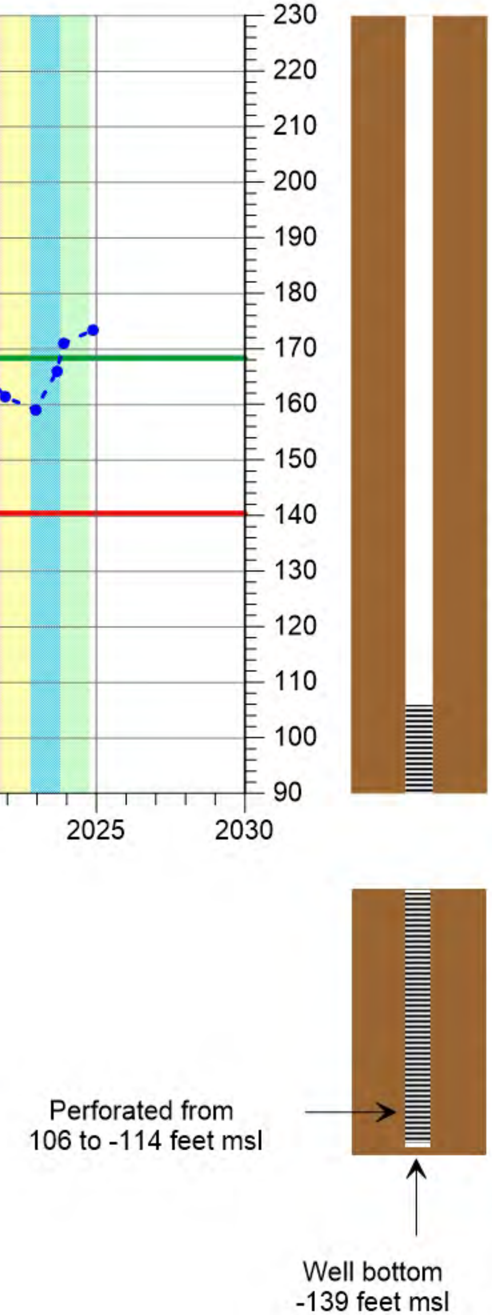
Forebay Aquifer Subbasin



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-16L01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (305 FT MSL)
- Measurable Objective
- Minimum Threshold

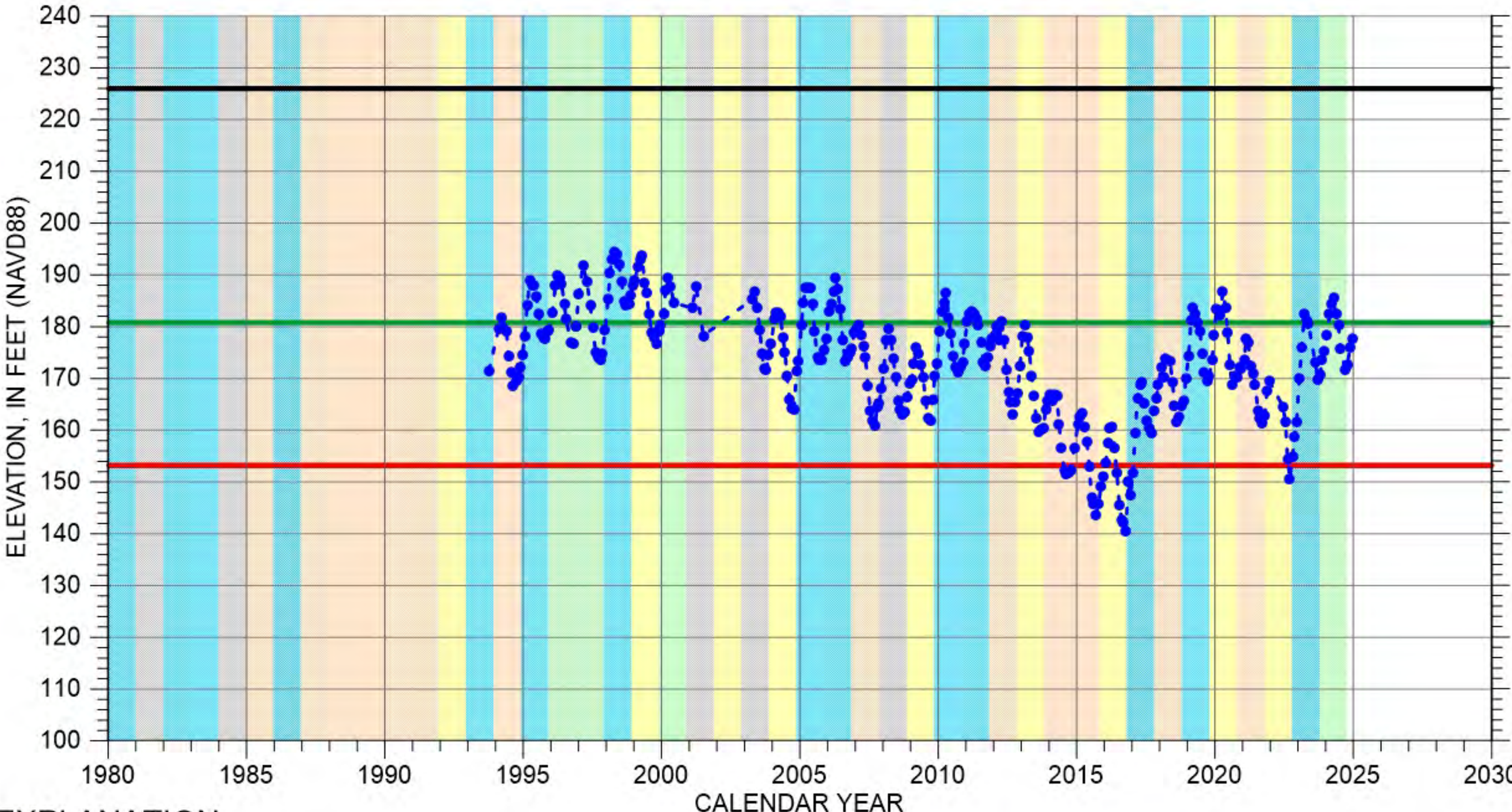
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\18S_06E-16L01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-22B02

Forebay Aquifer Subbasin

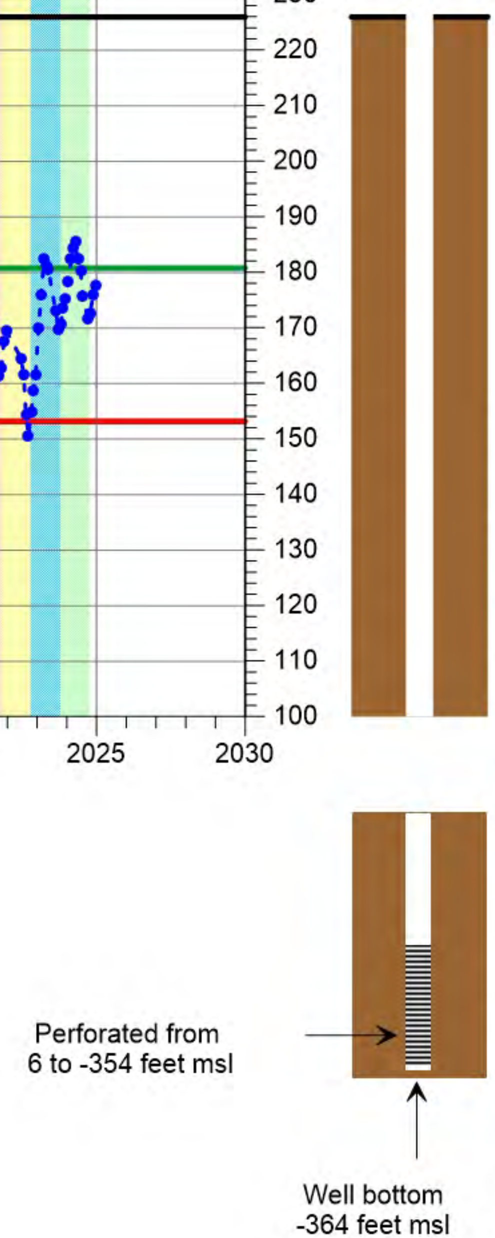


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

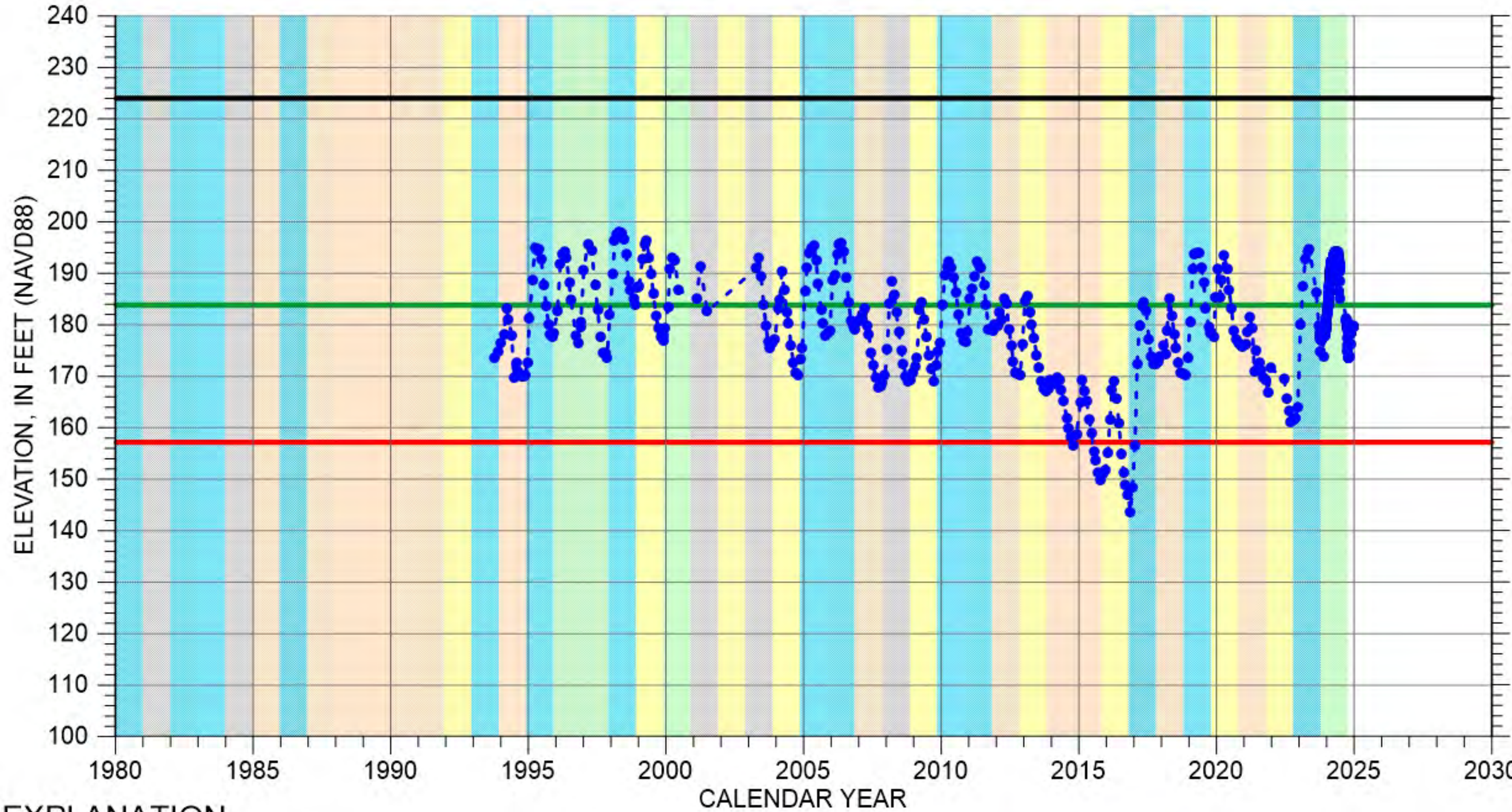
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

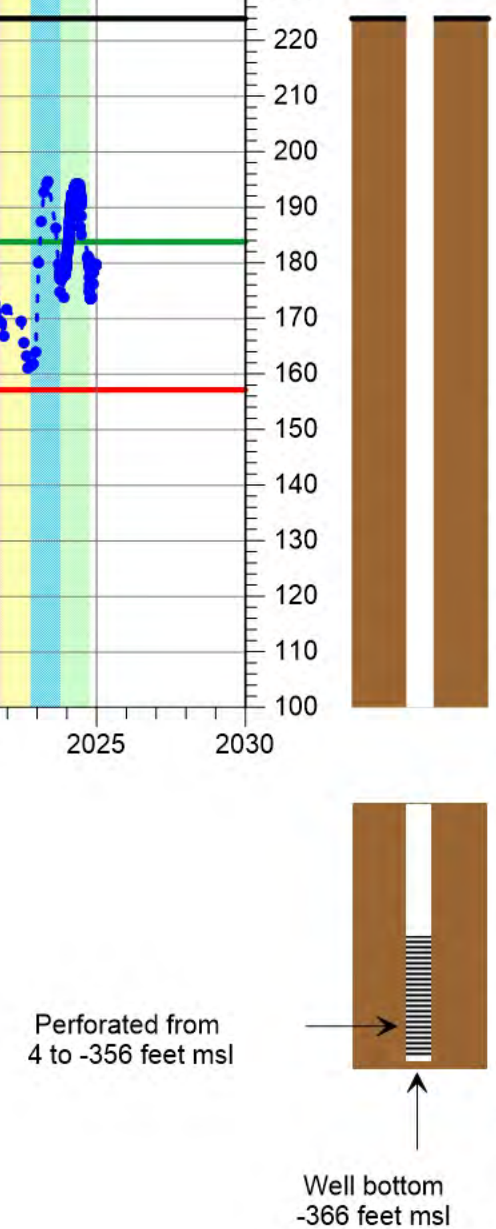


S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\18S_06E-22B02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-22B03

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

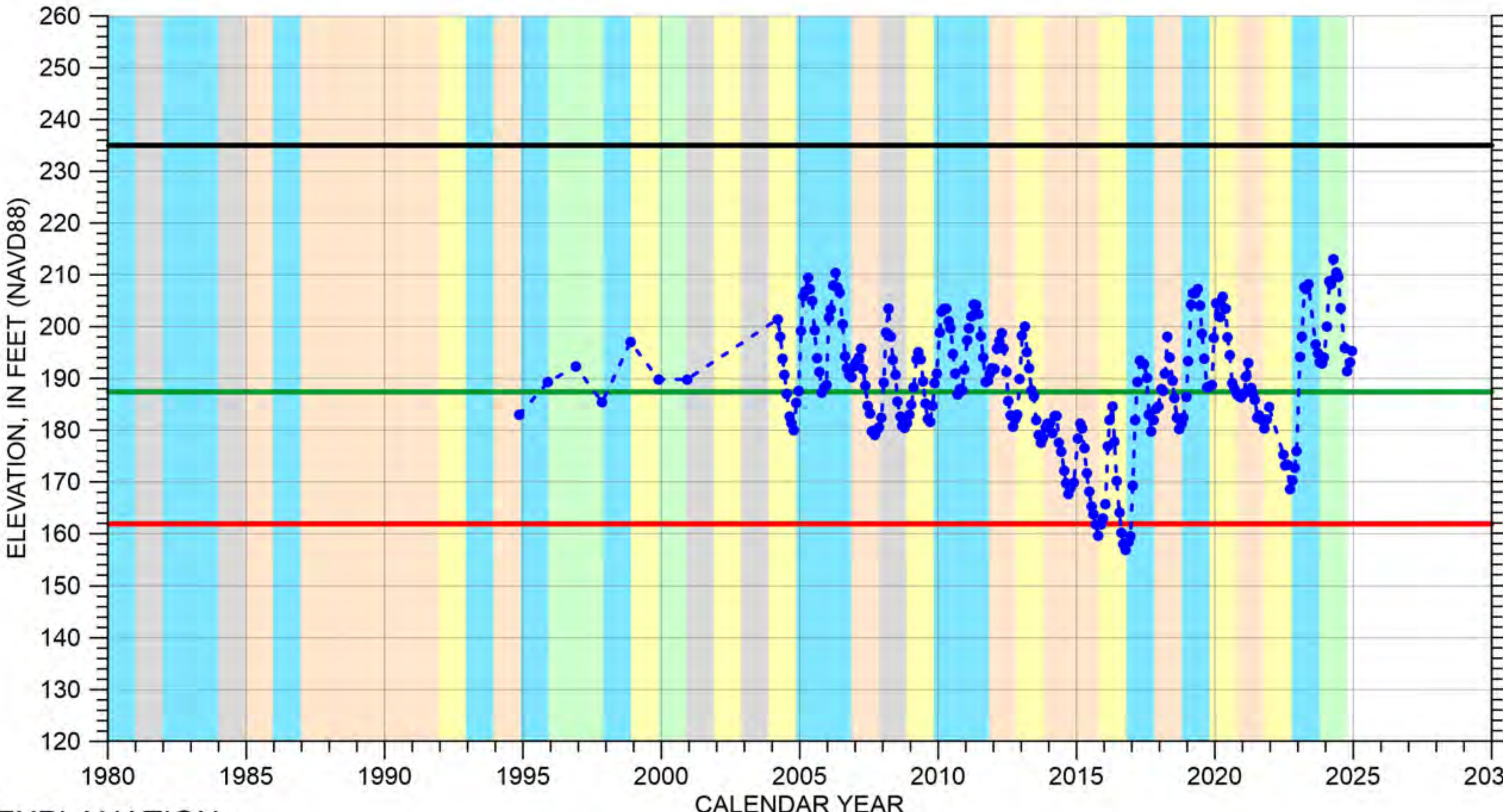
WATER YEAR TYPE DESIGNATION

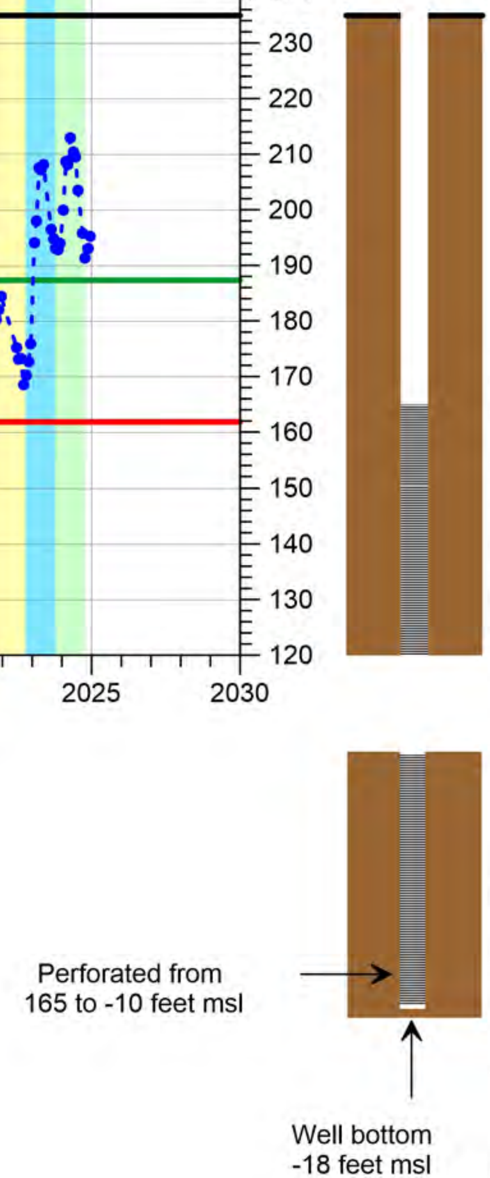
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\18S_06E-22B03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-24M01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

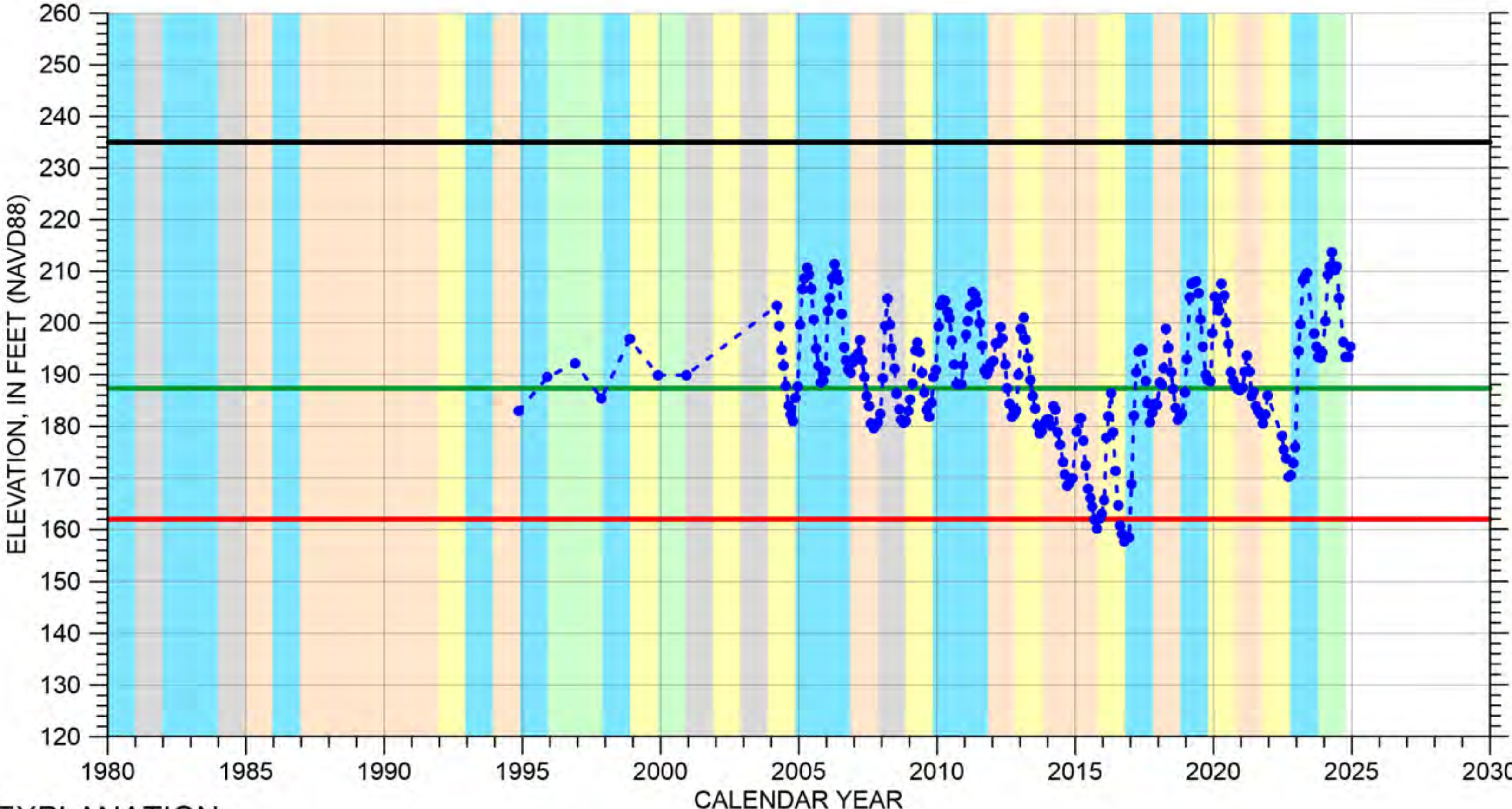
WATER YEAR TYPE DESIGNATION

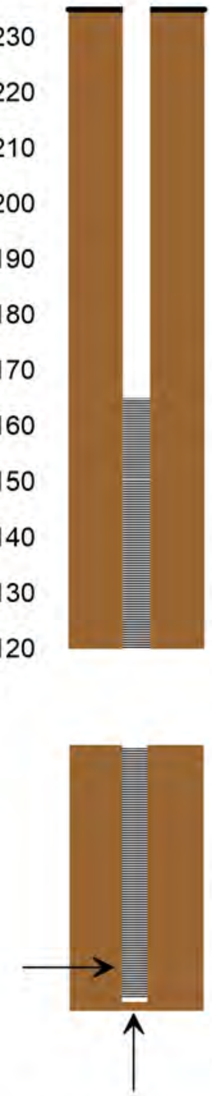
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-24M01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-24M02

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

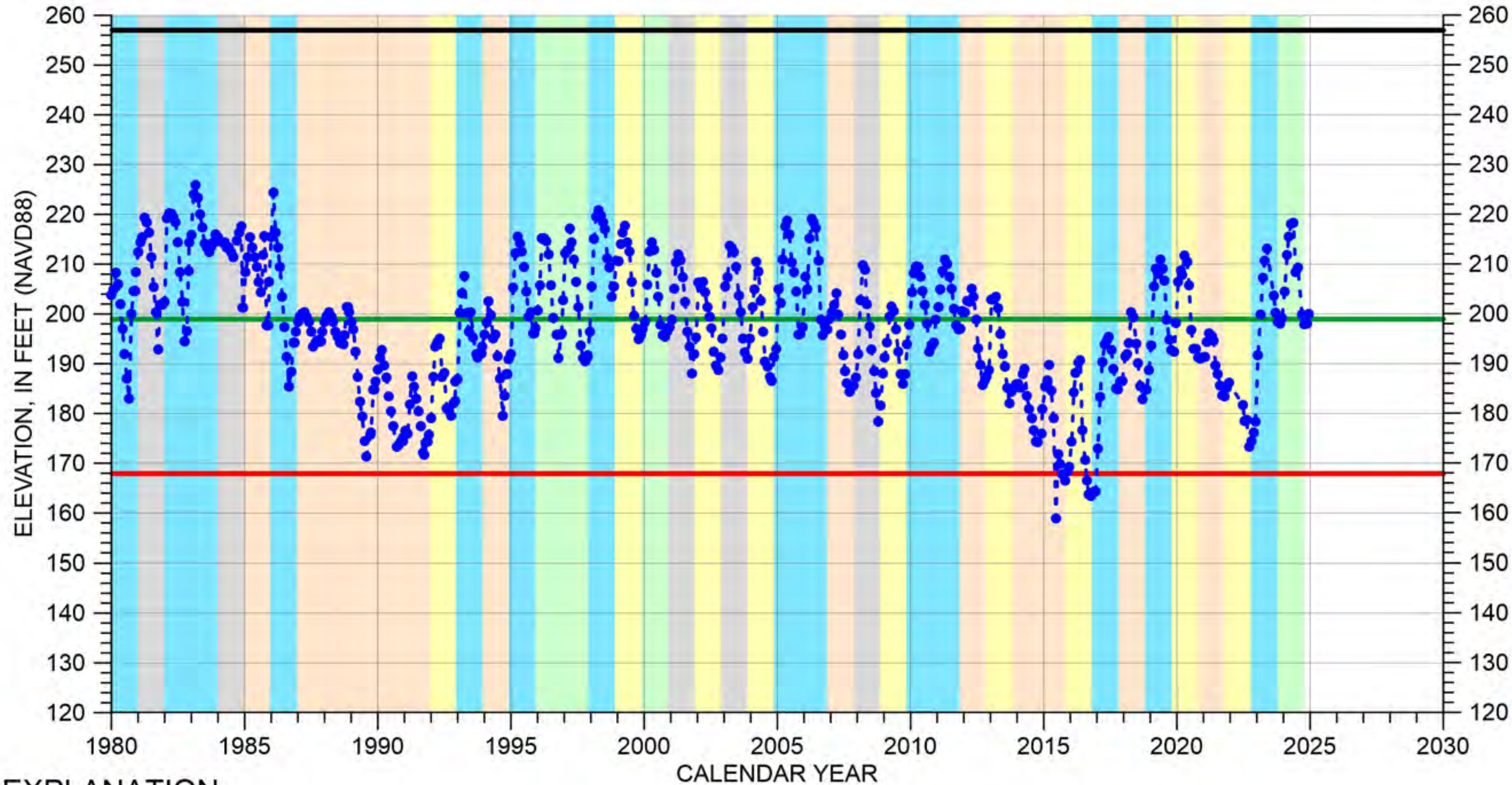
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-24M02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-25F01

Forebay Aquifer Subbasin

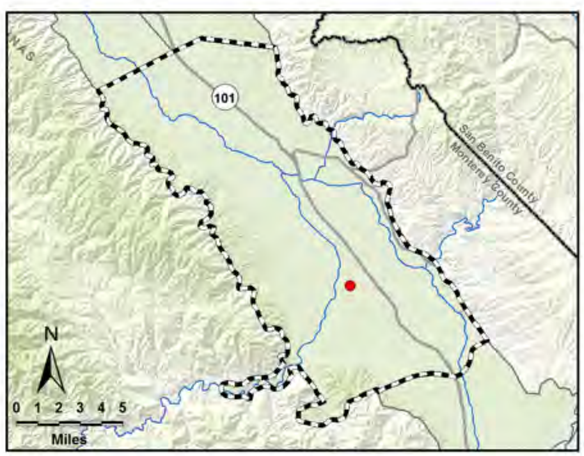


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

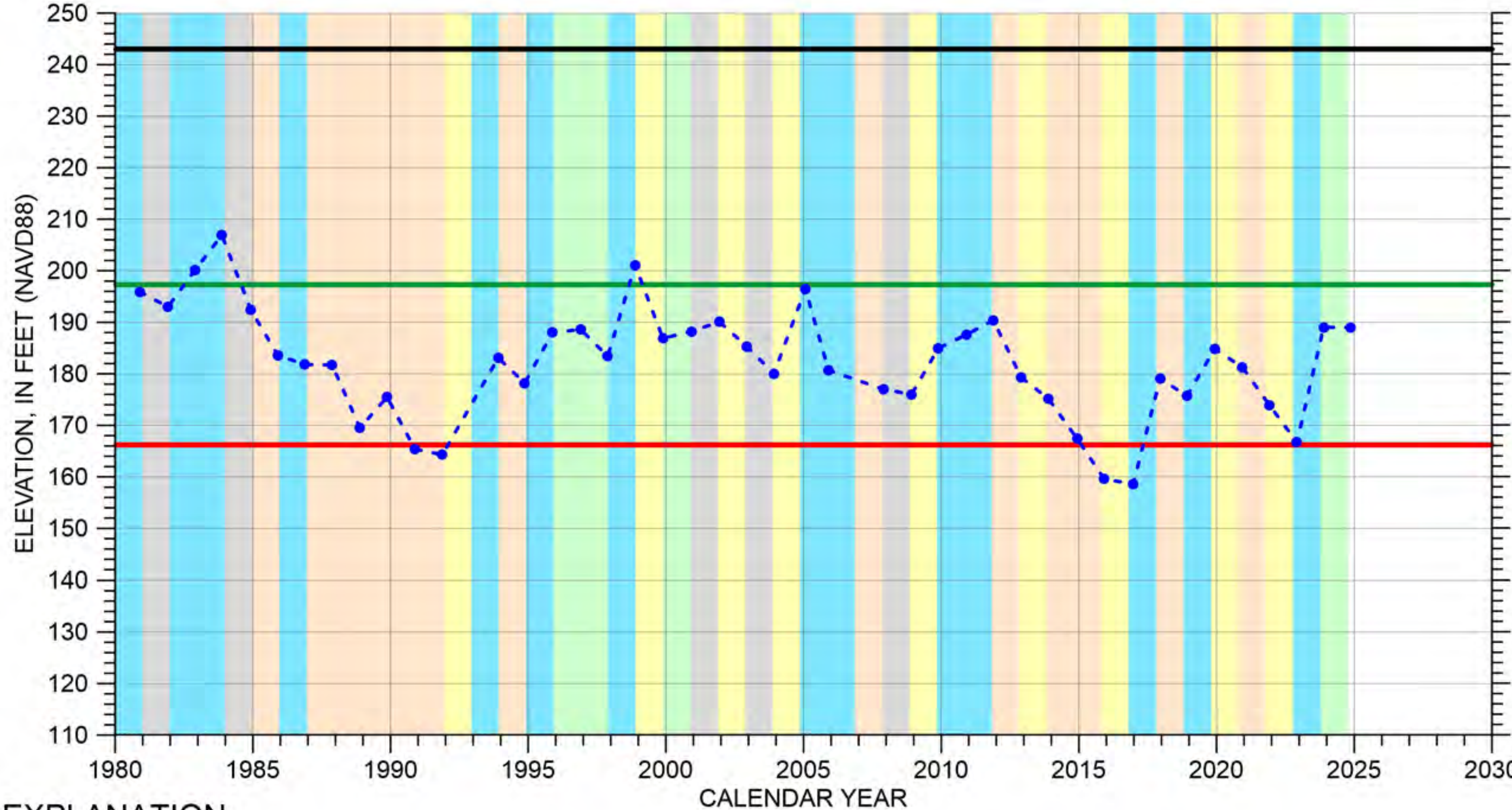


Perforated interval unknown

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-25F01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-27A01

Forebay Aquifer Subbasin



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

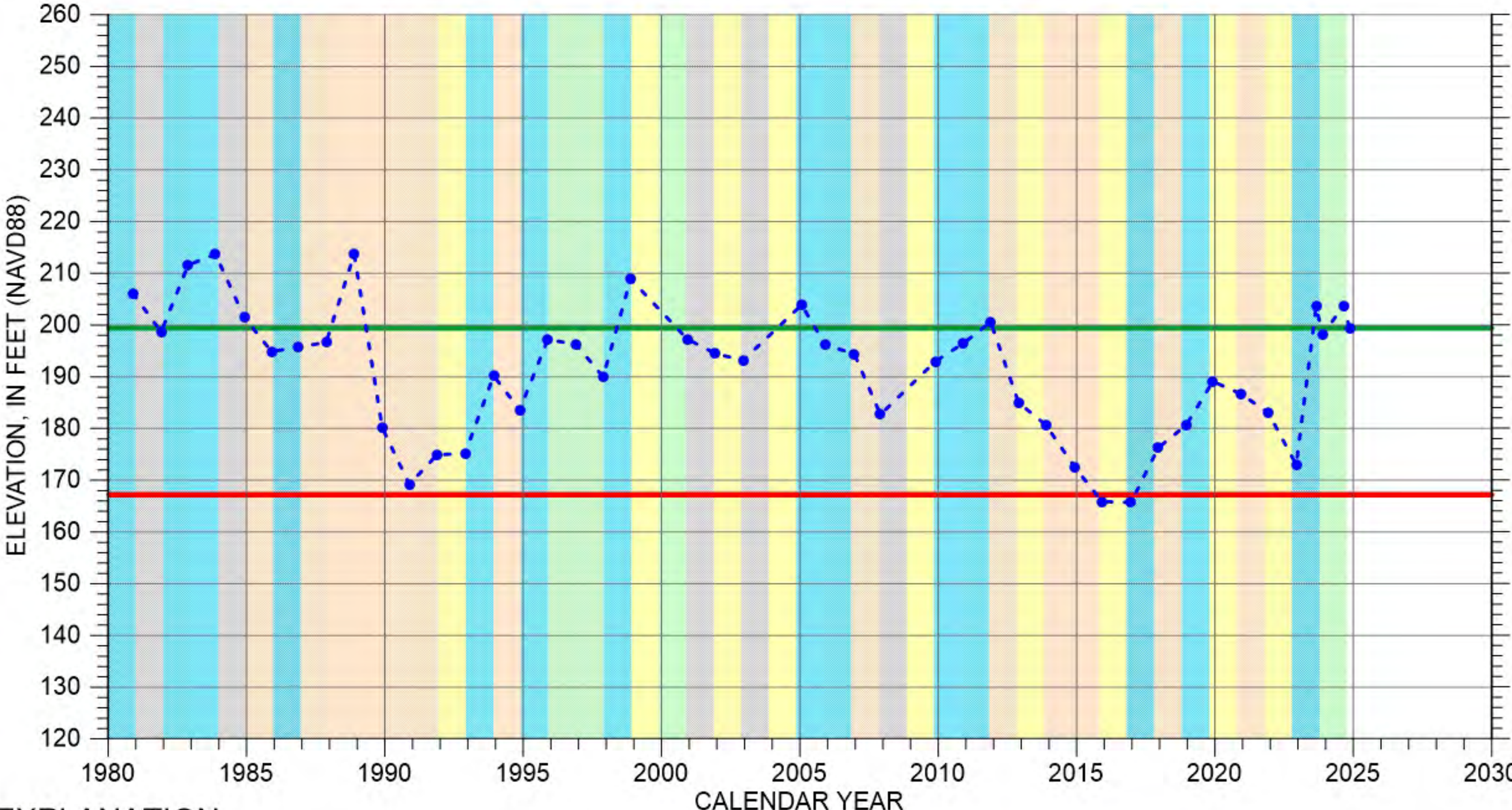
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

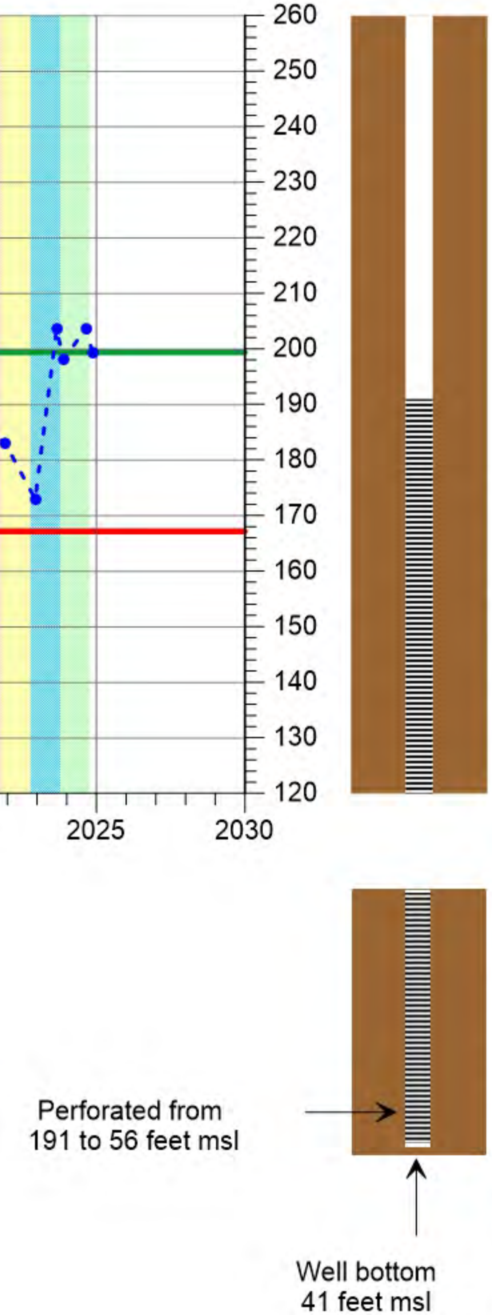
Perforated interval unknown

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-27A01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-34B01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (341 FT MSL)
- Measurable Objective
- Minimum Threshold

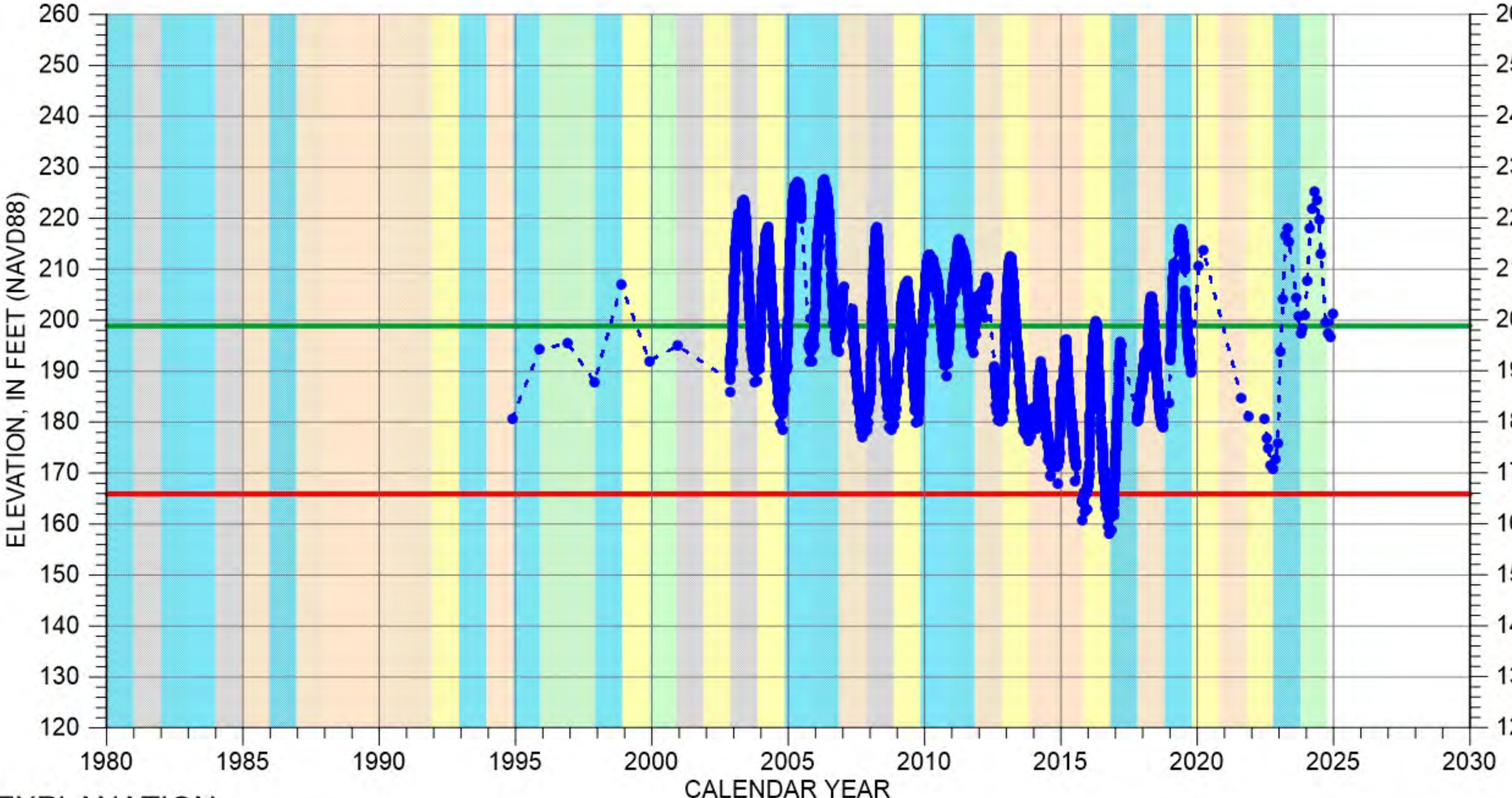
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\18S_06E-34B01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-35F01

Forebay Aquifer Subbasin



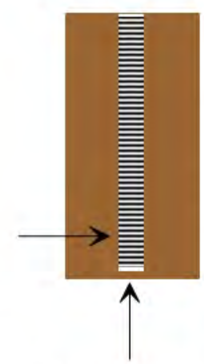
EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (263 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

Perforated from 203 to 15 feet msl

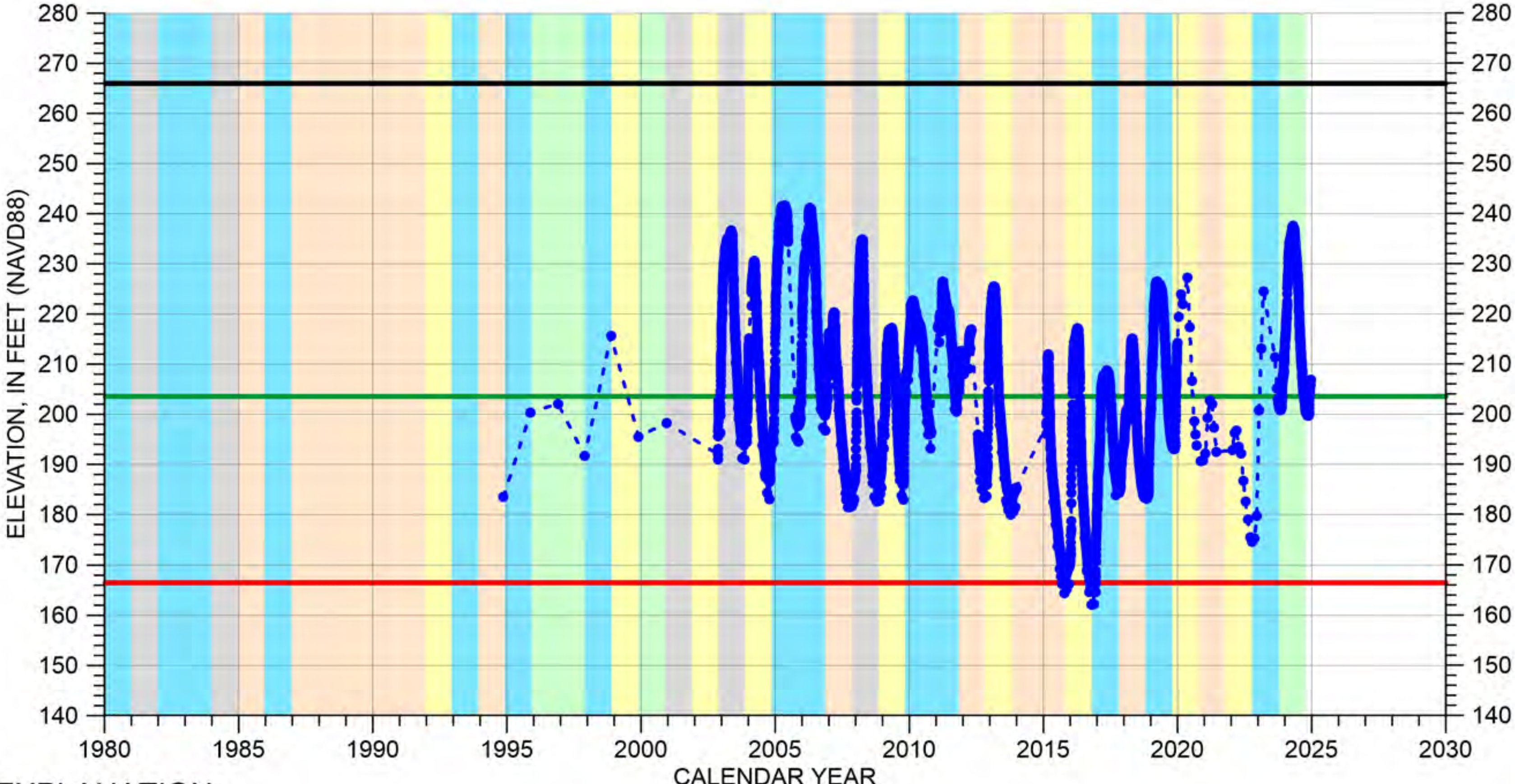


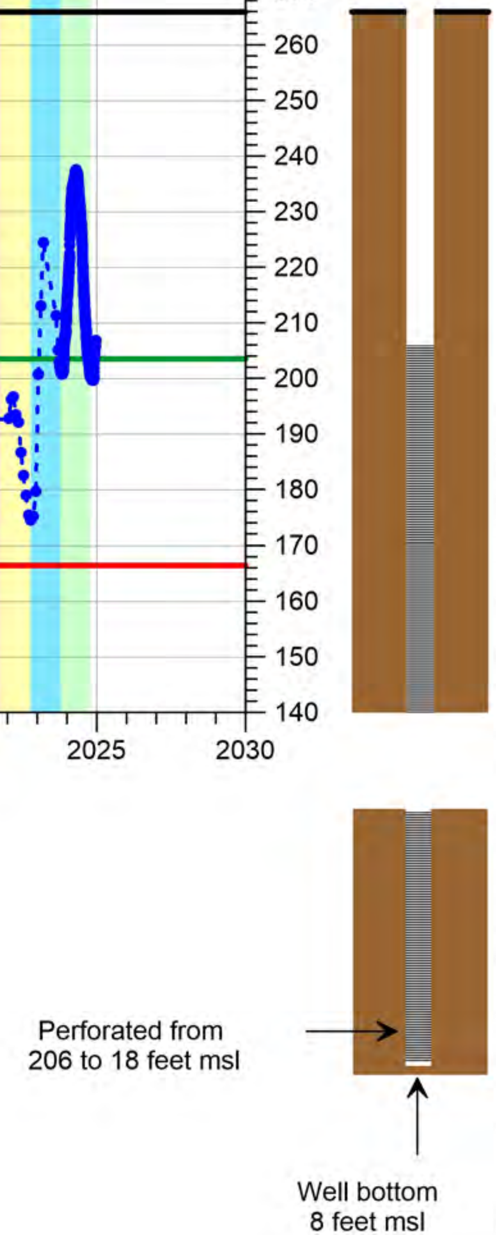
Well bottom 5 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\18S_06E-35F01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/06E-35F02

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

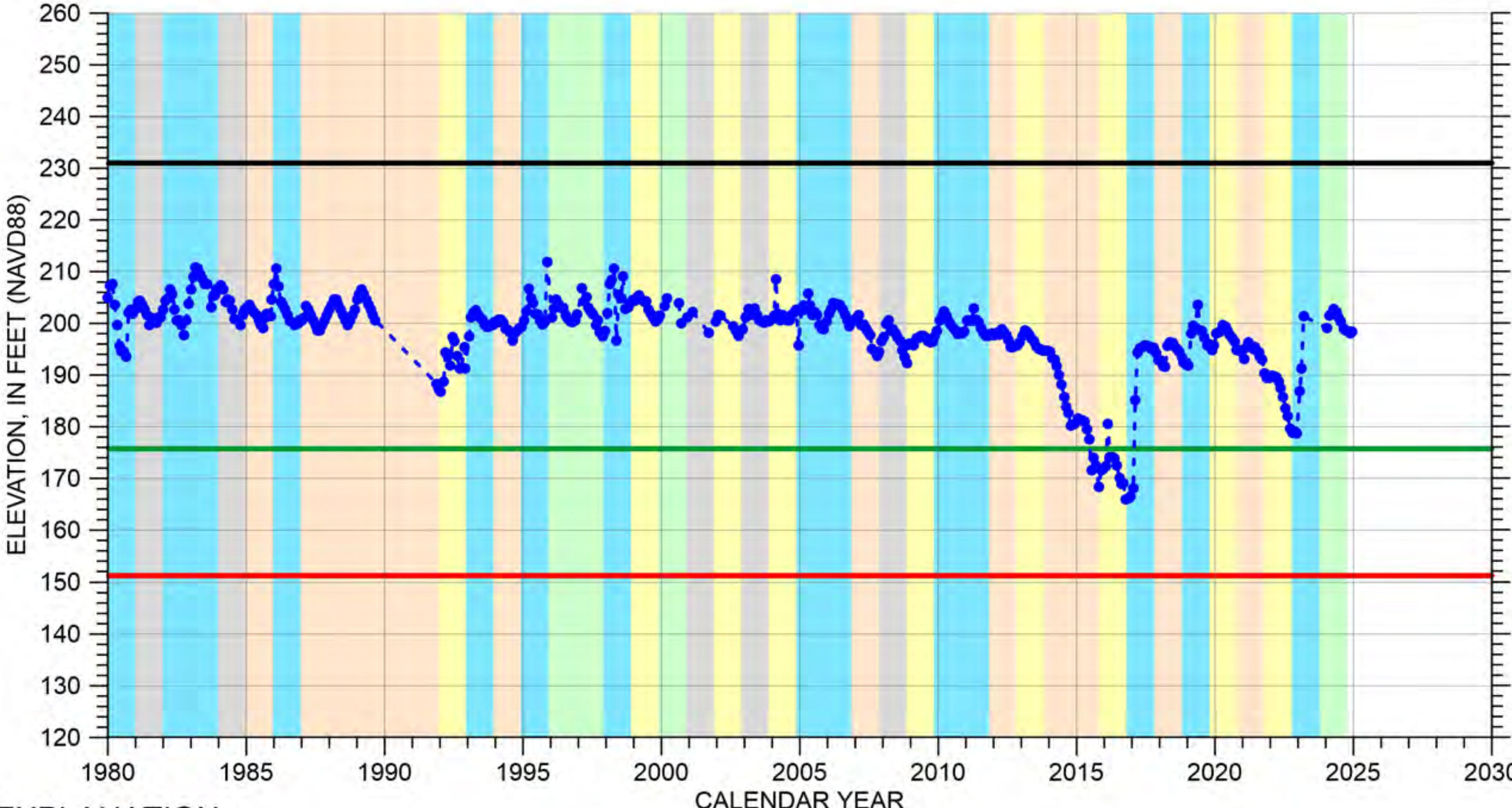
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_06E-35F02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/07E-19G02

Forebay Aquifer Subbasin



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

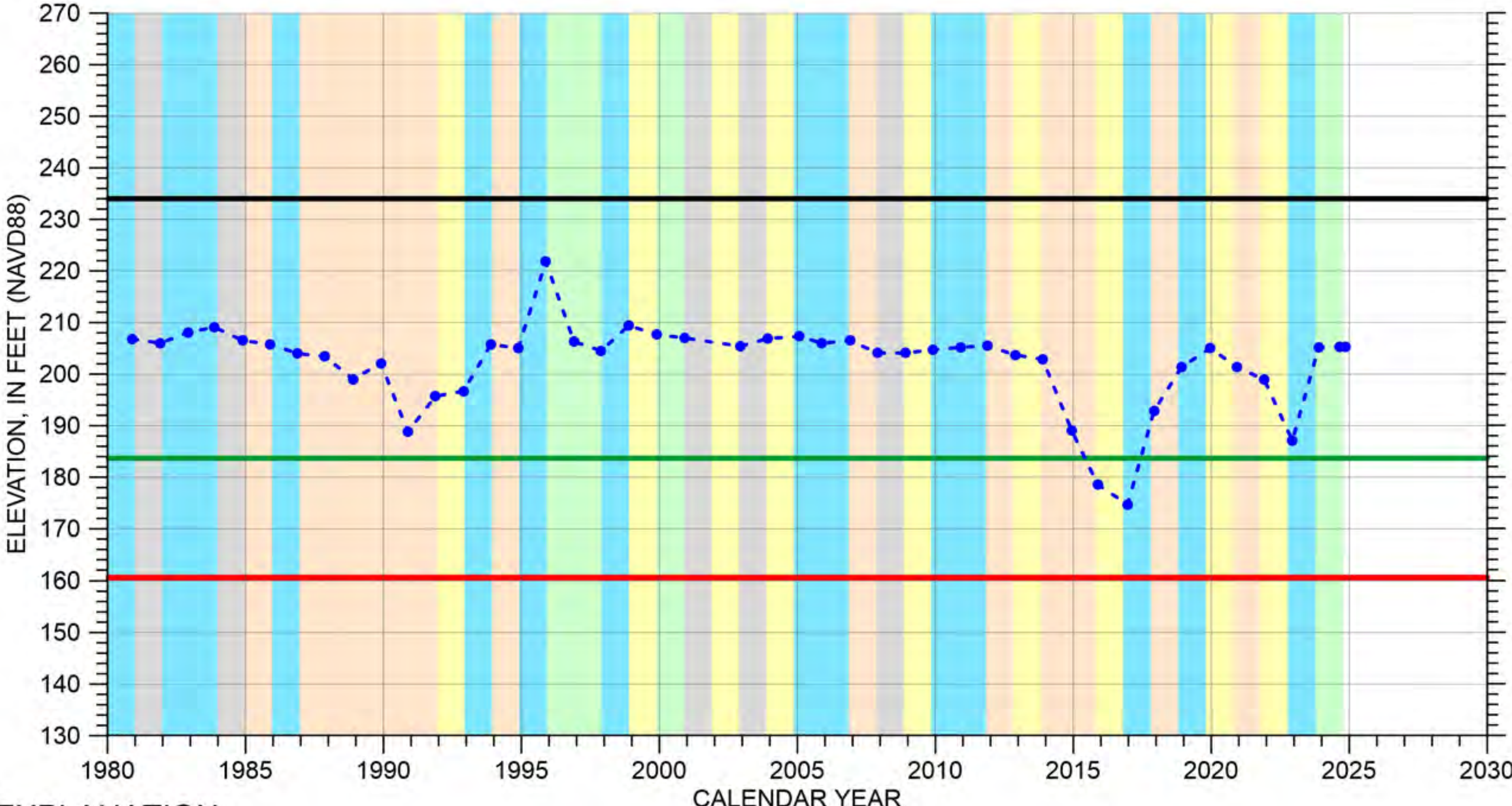
WATER YEAR TYPE DESIGNATION

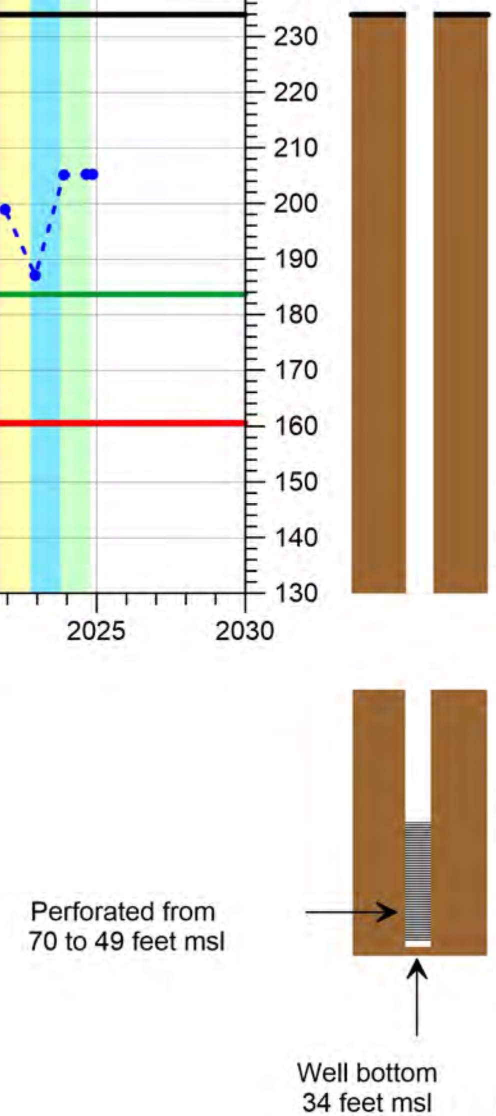
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_07E-19G02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/07E-20K01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

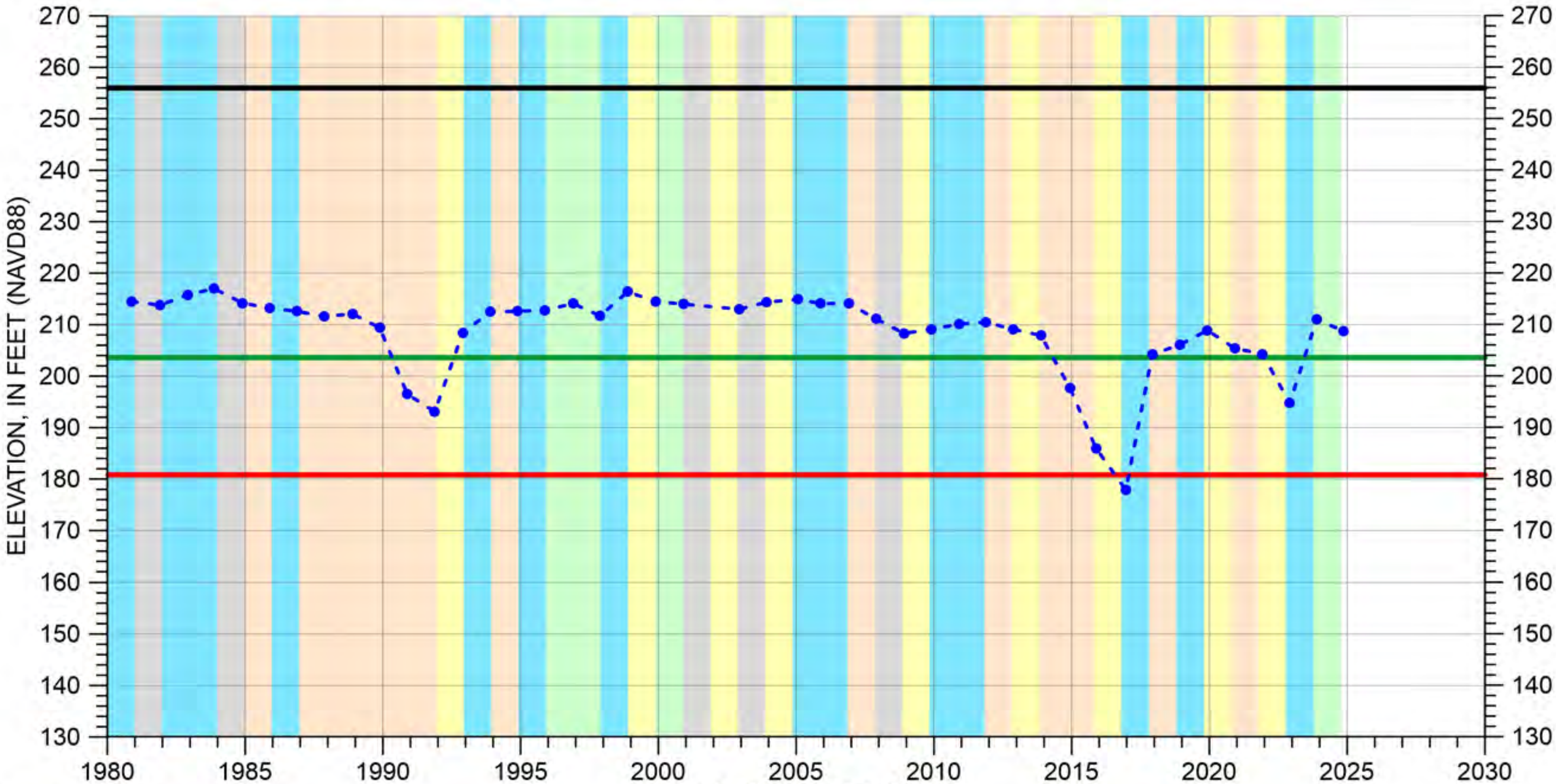
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_07E-20K01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 18S/07E-28N01

Forebay Aquifer Subbasin

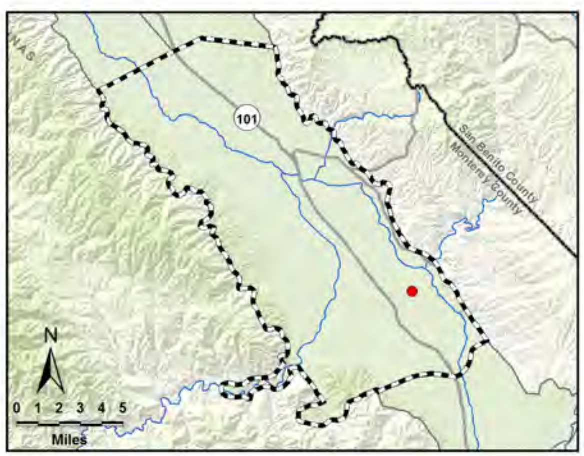


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

DRY
DRY - NORMAL
NORMAL
WET - NORMAL
WET



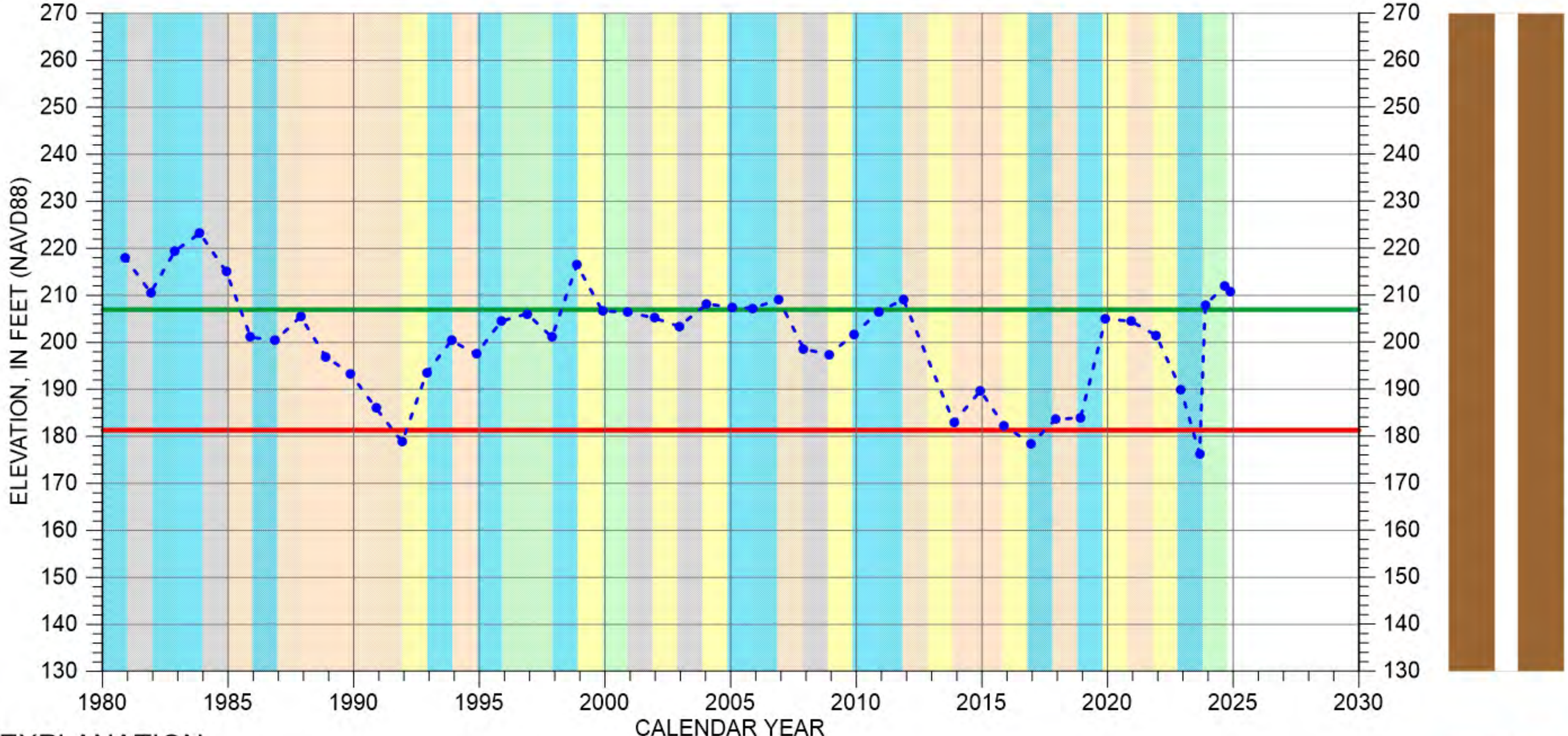
Perforated interval unknown

Well bottom elevation unknown

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\18S_07E-28N01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 19S/06E-01H01

Forebay Aquifer Subbasin

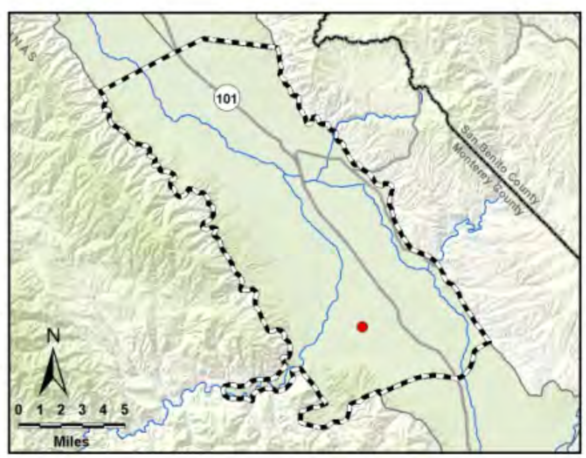


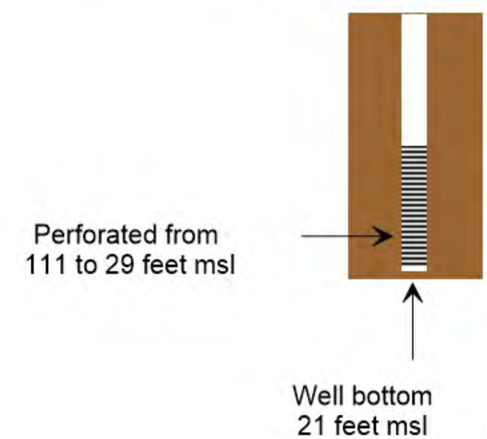
EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (321 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

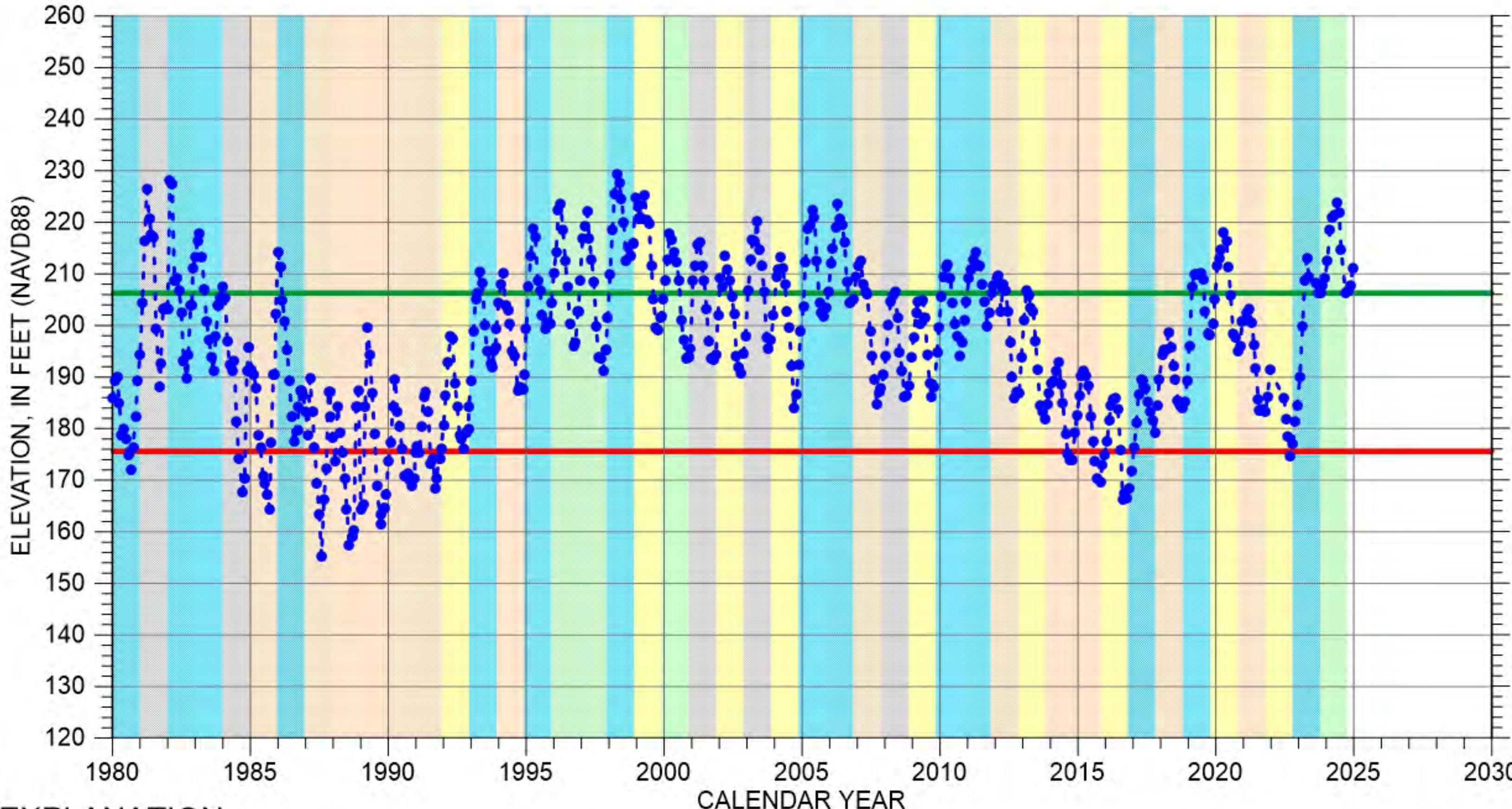


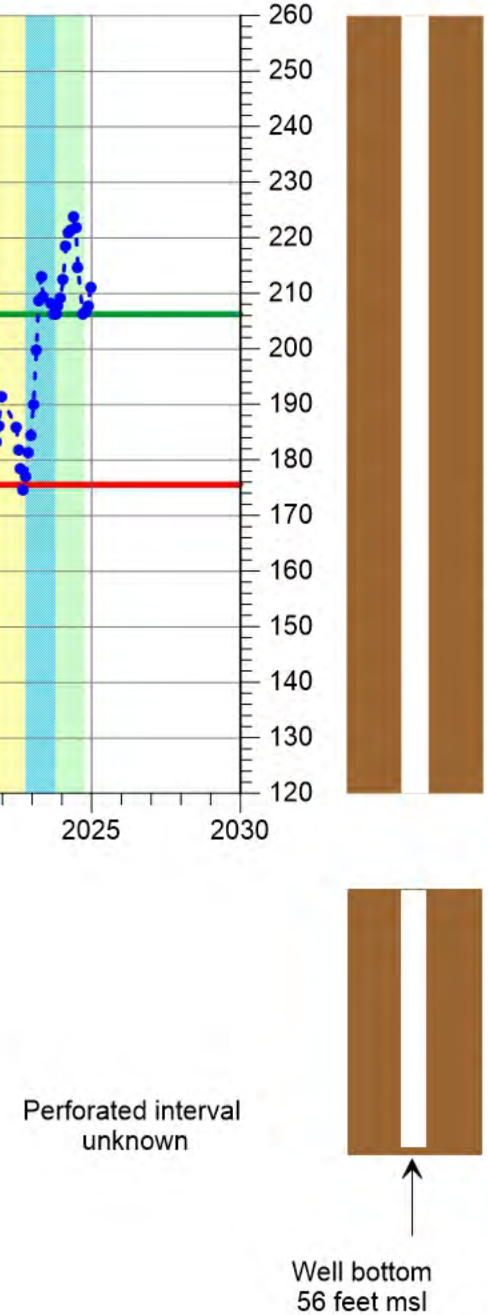


S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\19S_06E-01H01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 19S/06E-11C01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (376 FT MSL)
- Measurable Objective
- Minimum Threshold

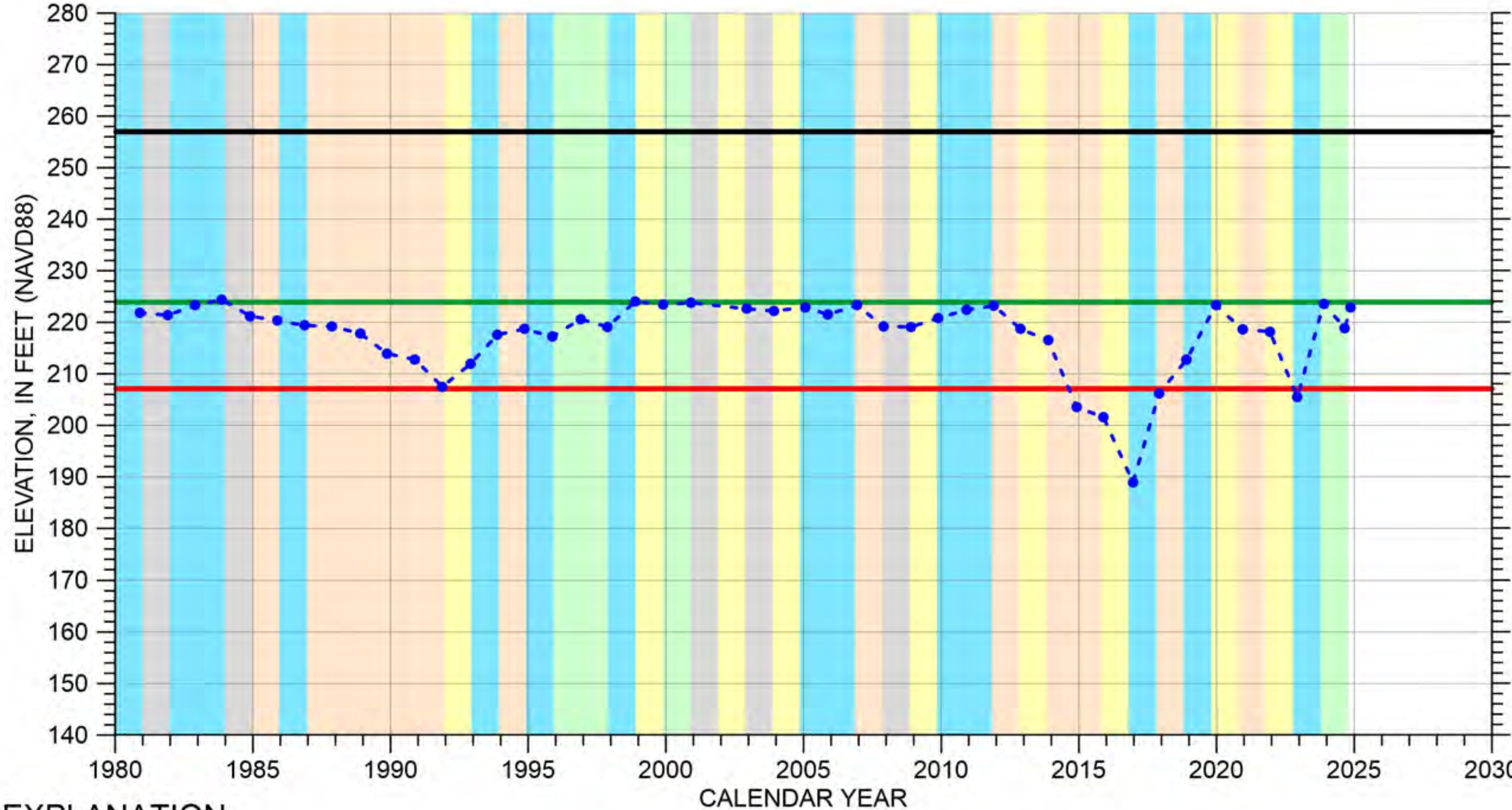
WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs_test\19S_06E-11C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 19S/07E-04Q01

Forebay Aquifer Subbasin



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\19S_07E-04Q01.grf

EXPLANATION

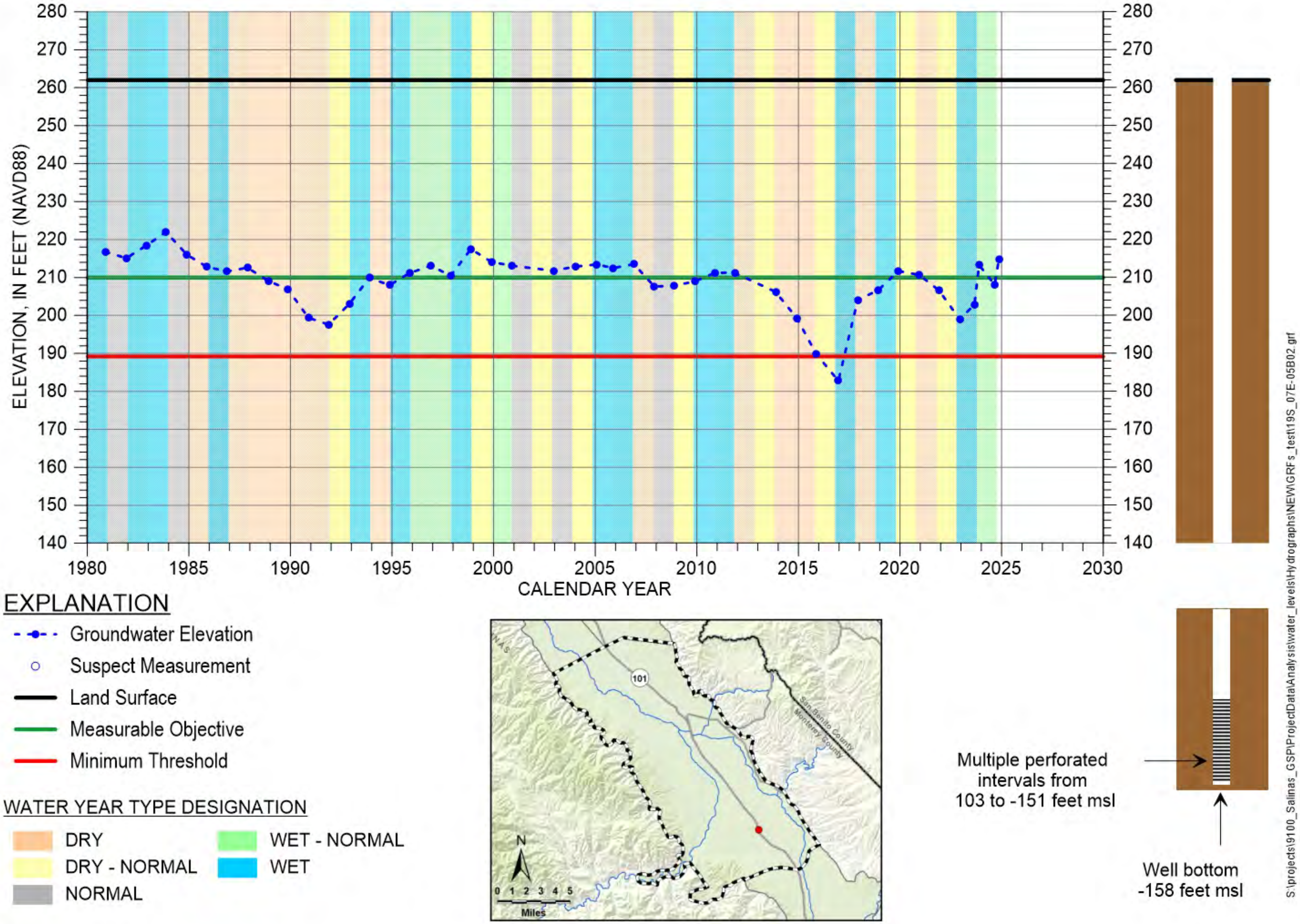
- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

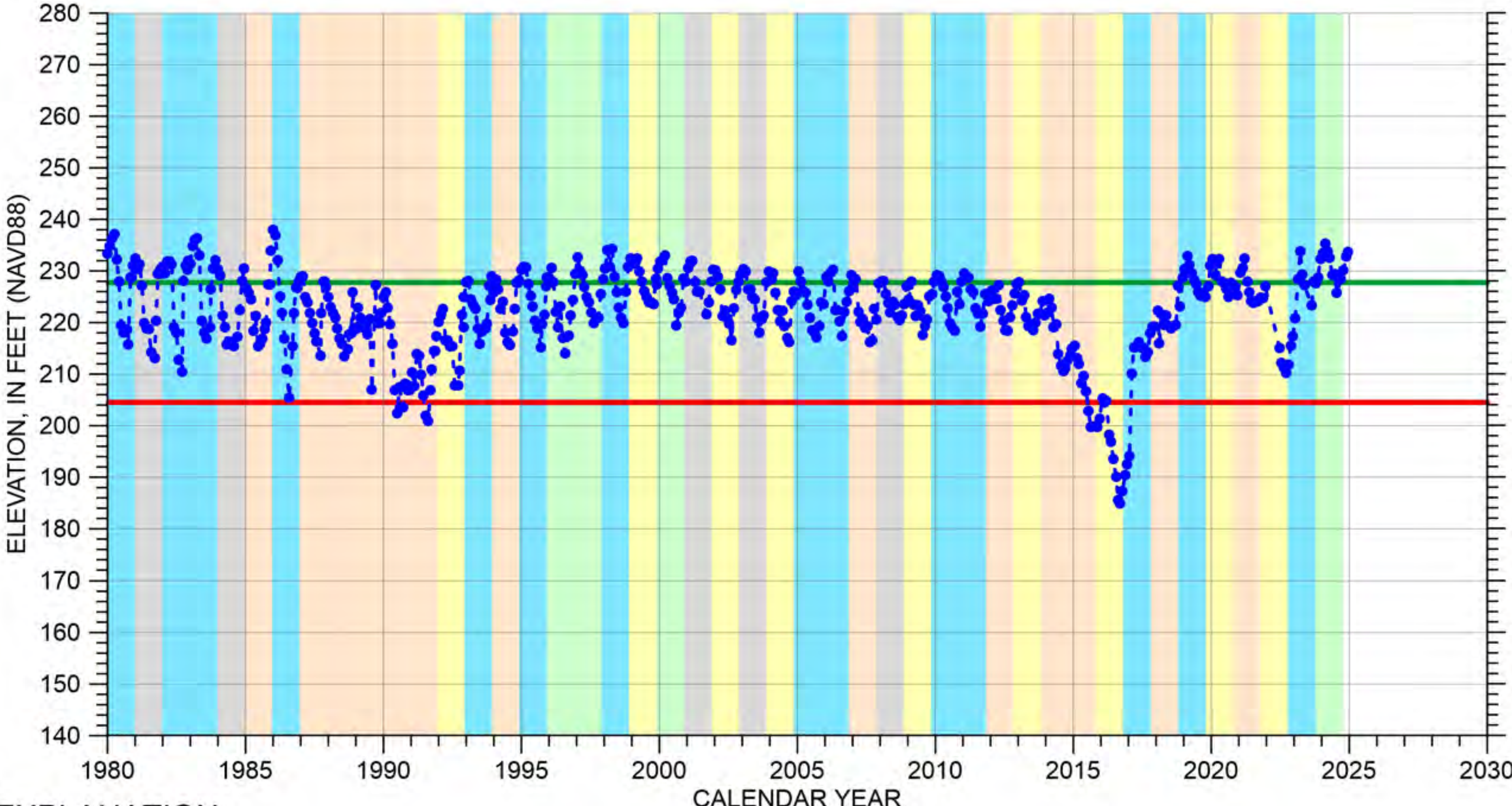
HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 19S/07E-05B02

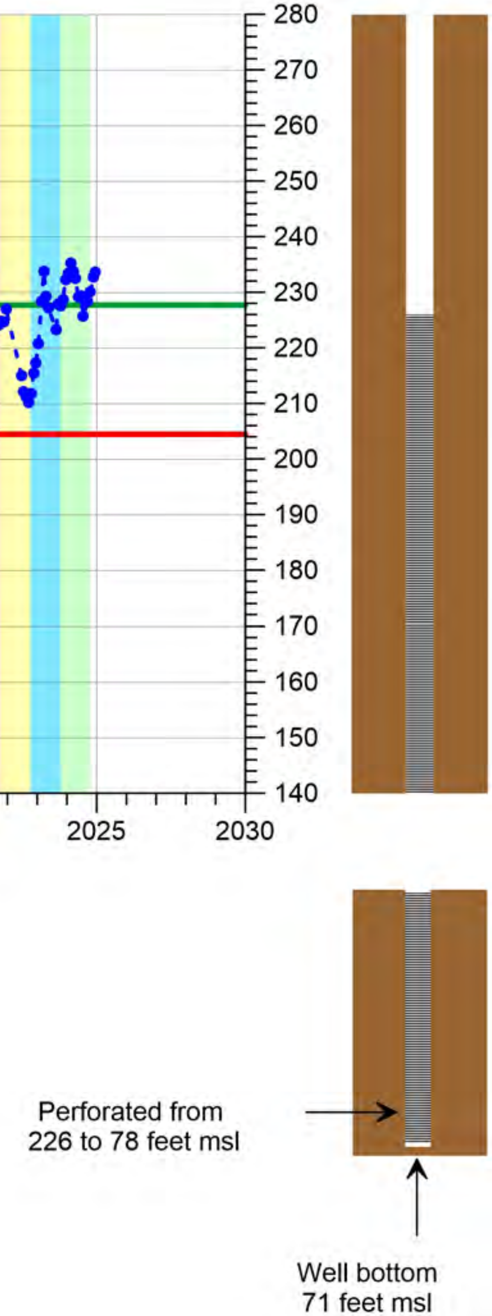
Forebay Aquifer Subbasin



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 19S/07E-10P01

Forebay Aquifer Subbasin





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (316 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs_test\19S_07E-10P01.grf

Appendix C

2024 Groundwater Quality Annual Report Data

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
AGL020000758-CCGC_0488	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	6.8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020000758-CCGC_0488	ILRP DOMESTIC	Specific Conductivity	2024-05-10 00:00:00	1724	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020000762-CCGC_0513	ILRP DOMESTIC	Specific Conductivity	2024-05-10 00:00:00	1359	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020000762-CCGC_0513	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	6.9	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020000766-CCGC_0489	ILRP DOMESTIC	Specific Conductivity	2024-05-10 00:00:00	1668	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020000766-CCGC_0489	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	36.5	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020000767-CCGC_0490	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	22.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020000767-CCGC_0490	ILRP DOMESTIC	Specific Conductivity	2024-11-22 00:00:00	774	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001017-CCGC_0024	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-30 00:00:00	6.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001017-CCGC_0024	ILRP DOMESTIC	Specific Conductivity	2024-04-30 00:00:00	675	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001019-CCGC_0613	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-30 00:00:00	16.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001019-CCGC_0613	ILRP DOMESTIC	Specific Conductivity	2024-04-30 00:00:00	1151	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001046-CCGC_0025	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-30 00:00:00	31.6	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001046-CCGC_0025	ILRP DOMESTIC	Specific Conductivity	2024-04-30 00:00:00	1432	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001074-CCGC_0612	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	0.7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001074-CCGC_0612	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	1057	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001156-SMITH WELL	ILRP DOMESTIC	Total Dissolved Solids	2024-04-16 00:00:00	342	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020001156-SMITH WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-16 00:00:00	2.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001156-SMITH WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-16 00:00:00	515	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001196-SALMINA_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	3.3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001196-SALMINA_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	361	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001200-THOMPSON_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	5.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001200-THOMPSON_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	443	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001205-HOME_D2	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	4.7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001205-HOME_D2	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	418	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001205-HOME_D4	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	534	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001205-HOME_D4	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	4.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001207-RODDICK_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	5.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001207-RODDICK_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	556	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001210-LANINI_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	1115	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001210-LANINI_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	27.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001213-CASACCA_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	22.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001213-CASACCA_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	839	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001217-WELL NN1	ILRP DOMESTIC	Nitrate+Nitrite	2024-06-07 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020001217-WELL NN1	ILRP DOMESTIC	Specific Conductivity	2024-06-07 00:00:00	1665	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020001261-ANDERSON_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	1.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001261-ANDERSON_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	371	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001270-LINSTR_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001270-LINSTR_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	370	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001272-VIO_HO_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	4.4	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001272-VIO_HO_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	473	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001273-BALEMI_D3	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	477	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001273-BALEMI_D3	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	6.9	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001273-BALEMI_D6	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	16.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001273-BALEMI_D6	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	787	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001273-BALEMI_D8	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	29	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001273-BALEMI_D8	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	983	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001275-BARLOGGI_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	1175	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001275-BARLOGGI_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	40.5	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001279-VAUGH_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	9.7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001279-VAUGH_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	502	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001290-RADAV_1DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	12.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
AGL020001290-RADAV_1DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	628	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001290-RADAV_6DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	58.6	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020001290-RADAV_6DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	1807	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020001292-NELSON_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	2.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001292-NELSON_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	423	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001294-HILDAGO_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	739	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020001294-HILDAGO_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	26.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020002606-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	3.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020002606-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	380	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002612-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	7.8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020002612-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	619	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002614-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020002614-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	377	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002750-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	3529	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020002750-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	45.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020002751-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	41.7	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020002751-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	2033	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020002884-R10_MYARD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-15 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020002884-R10_MYARD	ILRP DOMESTIC	Specific Conductivity	2024-04-15 00:00:00	364	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002885-R11_MYARD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-15 00:00:00	16.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020002885-R11_MYARD	ILRP DOMESTIC	Specific Conductivity	2024-04-15 00:00:00	680	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002902-R24_YARD	ILRP DOMESTIC	Specific Conductivity	2024-04-15 00:00:00	823	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002902-R24_YARD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-15 00:00:00	6.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003041-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-03 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020003041-DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-03 00:00:00	438	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003063-AF11-11DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	30.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020003063-AF11-11DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	1164	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003311-GV DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-03 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020003311-GV DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-03 00:00:00	716	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003324-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020003324-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	352	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003751-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003751-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	1097	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003751-DUAL WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003751-DUAL WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	626	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003751-DUAL WELL	ILRP DOMESTIC	Total Dissolved Solids	2024-04-02 00:00:00	368	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020003761-LANDLORD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003761-LANDLORD	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	652	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003761-NEW HOUSE	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	1105	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003761-NEW HOUSE	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003761-OLD DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-09 00:00:00	6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003761-OLD DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-09 00:00:00	765	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003766-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	10	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003766-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	1529	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003768-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003768-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	1053	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003874-CCGC_0144	ILRP DOMESTIC	Specific Conductivity	2024-04-08 00:00:00	1380	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003874-CCGC_0144	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-08 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004064-PHILL_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	794	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004064-PHILL_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	20.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004065-CLARK DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	49	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004065-CLARK DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	1592	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
AGL020004068-HANDDOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	77	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004068-HANDDOM	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	1870	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004068-HANDL_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	1718	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004068-HANDL_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	55.6	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004185-CCGC_0002	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	34.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004185-CCGC_0002	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	1482	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004185-CCGC_0003	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	1299	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004185-CCGC_0003	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	26.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004190-DOUD SHOP	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-16 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004190-DOUD SHOP	ILRP DOMESTIC	Specific Conductivity	2024-05-16 00:00:00	327	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004281-DOM_HOUSES	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	75.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004281-DOM_HOUSES	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	2674	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004281-DOM_SHOP	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	1729	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004281-DOM_SHOP	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	28.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004286-DOM_OFFICE	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	96.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004286-DOM_OFFICE	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	2878	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004302-PRYOR_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	7.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004302-PRYOR_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	909	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004455-CCGC_0431	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-18 00:00:00	2.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004455-CCGC_0431	ILRP DOMESTIC	Specific Conductivity	2024-11-22 00:00:00	3900	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004497-CCGC_0430	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-18 00:00:00	2.7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004497-CCGC_0430	ILRP DOMESTIC	Specific Conductivity	2024-04-18 00:00:00	3524	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004503-CCGC_0432	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-18 00:00:00	67.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004503-CCGC_0432	ILRP DOMESTIC	Specific Conductivity	2024-04-18 00:00:00	2679	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004913-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	982	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004913-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	12	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020005183-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	3.3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020005183-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	448	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020005420-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-09 00:00:00	2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020005420-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-09 00:00:00	547	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020006540-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	1.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020006540-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	432	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020007326-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	63	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007326-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-11-22 00:00:00	2147	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007346-DOM SHOP	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	76.3	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007346-DOM SHOP	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	1900	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007438-CCGC_0610	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-17 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020007438-CCGC_0610	ILRP DOMESTIC	Specific Conductivity	2024-04-17 00:00:00	476	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020007494-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	64.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007494-DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	2730	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007496-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	7.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020007496-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	839	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020007498-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	38	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007498-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	1724	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007500-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020007500-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	1765	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007554-P2-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-10-29 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020007554-P2-DOM	ILRP DOMESTIC	Specific Conductivity	2024-10-29 00:00:00	3851	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020009562-TOM-D1	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	25.6	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020009562-TOM-D1	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	3149	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020009563-RIV-D1	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	6.9	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020009563-RIV-D1	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	527	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
AGL020010222-HUDSON DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	56	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020010222-HUDSON DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	3472	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020010224-HOUSAR_QVF	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	118	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020010224-HOUSAR_QVF	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	4266	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020010226-HMOR_QVF	ILRP DOMESTIC	Specific Conductivity	2024-11-26 00:00:00	4725	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020010226-HMOR_QVF	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	96	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011782-WELL DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	1514	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011782-WELL DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	26.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011784-WELL DOM 2	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	65.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011784-WELL DOM 2	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	2400	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020011785-WELL DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	34.3	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011785-WELL DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	2170	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020011786-WELL DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	9.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020011786-WELL DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	760	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011787-WELL DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	68.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011787-WELL DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	1596	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020014162-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	15.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020014162-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	1145	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020014774-SILVIO D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-04 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020014774-SILVIO D	ILRP DOMESTIC	Specific Conductivity	2024-04-04 00:00:00	533	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020014774-SILVIO D	ILRP DOMESTIC	Total Dissolved Solids	2024-04-04 00:00:00	342	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020014780-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-09 00:00:00	3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020014780-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-04-09 00:00:00	944	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020014790-YARD D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-04 00:00:00	8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020014790-YARD D	ILRP DOMESTIC	Specific Conductivity	2024-04-04 00:00:00	896	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020014794-BLOOM D	ILRP DOMESTIC	Specific Conductivity	2024-04-09 00:00:00	2828	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020014794-BLOOM D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-09 00:00:00	81	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020014796-HOUSE D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-04 00:00:00	4	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020014796-HOUSE D	ILRP DOMESTIC	Specific Conductivity	2024-04-04 00:00:00	734	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020015884-MWRTN_SHOP	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-16 00:00:00	43.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020015884-MWRTN_SHOP	ILRP DOMESTIC	Specific Conductivity	2024-05-16 00:00:00	1850	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020018062-CCGC_0142	ILRP DOMESTIC	Specific Conductivity	2024-04-08 00:00:00	1380	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020018062-CCGC_0142	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-08 00:00:00	5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020020162-MCLASK_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	17.7	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020020162-MCLASK_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	709	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020027303-TORRONI_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	13.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020027303-TORRONI_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	762	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020027322-FERRAS DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	17.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020027322-FERRAS DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	824	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020027364-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	509	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020027364-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	0.8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020027404-BIANCHI	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-02 00:00:00	48	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020027404-BIANCHI	ILRP DOMESTIC	Specific Conductivity	2024-04-02 00:00:00	1469	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020028112-RANCH2_D	ILRP DOMESTIC	Specific Conductivity	2024-05-10 00:00:00	1589	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020028112-RANCH2_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	23	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020028385-ZAB-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-17 00:00:00	4.4	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020028385-ZAB-DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-17 00:00:00	400	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020028453-SUNKENNR_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	56.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020028453-SUNKENNR_D	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	2613	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020028604-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	8.3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020028604-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	569	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020030077-R29_W2	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-15 00:00:00	16.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
AGL020030077-R29_W2	ILRP DOMESTIC	Specific Conductivity	2024-04-15 00:00:00	518	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020030156-GV15 DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-03 00:00:00	652	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020030156-GV15 DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-03 00:00:00	20	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020030311-GV16_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020030311-GV16_DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	773	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020034185-SANTUR_AG	ILRP DOMESTIC	Total Dissolved Solids	2024-03-19 00:00:00	262	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020034185-SANTUR_AG	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-19 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020034185-SANTUR_AG	ILRP DOMESTIC	Specific Conductivity	2024-03-19 00:00:00	418	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035367-PATRICIA_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	6.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020035367-PATRICIA_DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	733	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035762-BIANCHI_D	ILRP DOMESTIC	Specific Conductivity	2024-04-25 00:00:00	1723	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020035762-BIANCHI_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-25 00:00:00	57	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020035945-SILLIMAN_D	ILRP DOMESTIC	Specific Conductivity	2024-05-06 00:00:00	1028	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035945-SILLIMAN_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-06 00:00:00	19.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020035967-HAC_6_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	551	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035967-HAC_6_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	1.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020035971-OSHITA DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	9.3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020035971-OSHITA DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	1036	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020036492-SFALVES_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-04 00:00:00	13	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020036492-SFALVES_D	ILRP DOMESTIC	Specific Conductivity	2024-04-04 00:00:00	2067	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020036644-2702352	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-09 00:00:00	1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020036644-2702352	ILRP DOMESTIC	Specific Conductivity	2024-04-09 00:00:00	471	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020038341-R14 DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-23 00:00:00	1676	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020038341-R14 DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-23 00:00:00	51	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020038586-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	2.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020038586-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	430	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020039296-DOMESTIC 1	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	48.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020039296-DOMESTIC 1	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	2307	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
CA2700999_001_001	DDW MUNICIPAL	Nitrate as N	2024-08-06 00:00:00	6.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701000_002_002	DDW MUNICIPAL	Nitrate as N	2024-09-03 00:00:00	1.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701034_003_003	DDW MUNICIPAL	Nitrite as N	2024-03-04 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701034_003_003	DDW MUNICIPAL	Perchlorate	2024-09-04 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701034_003_003	DDW MUNICIPAL	Gross Alpha radioactivity	2024-03-04 00:00:00	6.06	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2701034_003_003	DDW MUNICIPAL	Uranium	2024-03-04 00:00:00	5.5	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2701034_003_003	DDW MUNICIPAL	Nitrate as N	2024-06-07 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701036_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-03-04 00:00:00	0.019	UG/L	0.005		TRUE	FALSE	FALSE	DDW
CA2701036_001_001	DDW MUNICIPAL	Gross Alpha radioactivity	2024-03-04 00:00:00	16.6	pCi/L	15		TRUE	FALSE	FALSE	DDW
CA2701036_001_001	DDW MUNICIPAL	Nitrate as N	2024-03-04 00:00:00	25.4	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2701036_001_001	DDW MUNICIPAL	Uranium	2024-03-04 00:00:00	14	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2701040_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-04-02 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701040_001_001	DDW MUNICIPAL	Specific Conductivity	2024-01-04 00:00:00	1500	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2701040_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-01 00:00:00	11.7	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2701040_001_001	DDW MUNICIPAL	Perchlorate	2024-01-04 00:00:00	2	UG/L	6		FALSE	FALSE	FALSE	DDW
CA2701046_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-22 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2701176_001_001	DDW MUNICIPAL	Nitrate as N	2024-08-07 00:00:00	4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701403_007_007	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-05-13 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2701403_007_007	DDW MUNICIPAL	Nitrate as N	2024-07-08 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701403_007_007	DDW MUNICIPAL	Perchlorate	2024-09-05 00:00:00	0.6	UG/L	6		FALSE	FALSE	FALSE	DDW
CA2701550_002_002	DDW MUNICIPAL	Nitrate as N	2024-07-17 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2701579_003_003	DDW MUNICIPAL	Nitrate as N	2024-07-10 00:00:00	7.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702317_001_001	DDW MUNICIPAL	Mercury	2024-01-25 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Nickel	2024-01-25 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2702317_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-31 00:00:00	11.8	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2702317_001_001	DDW MUNICIPAL	Nitrite as N	2024-01-25 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Selenium	2024-01-25 00:00:00	1.6	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2702317_001_001	DDW MUNICIPAL	Thallium	2024-01-25 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Barium	2024-01-25 00:00:00	0.0429	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702317_001_001	DDW MUNICIPAL	Fluoride	2024-01-25 00:00:00	0.3	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702317_001_001	DDW MUNICIPAL	Copper	2024-01-25 00:00:00	0.002	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Chromium	2024-01-25 00:00:00	1.3	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2702317_001_001	DDW MUNICIPAL	Aluminum	2024-01-25 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Beryllium	2024-01-25 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-01-25 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Arsenic	2024-01-25 00:00:00	1	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Antimony	2024-01-25 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702317_001_001	DDW MUNICIPAL	Cadmium	2024-01-25 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702412_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-05-20 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702412_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-17 00:00:00	5.3	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702431_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-07-24 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702431_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-22 00:00:00	2.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702466_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-08-18 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Dalapon	2024-08-18 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Dinoseb	2024-08-18 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Diquat	2024-08-18 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Ethylbenzene	2024-08-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Molinate	2024-08-18 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-18 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-14 00:00:00	6.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702466_001_001	DDW MUNICIPAL	Nitrite as N	2024-03-11 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Oxamyl	2024-08-18 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Picloram	2024-08-18 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Specific Conductivity	2024-03-11 00:00:00	1360	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2702466_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-03-11 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Thiobencarb	2024-08-18 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Toluene	2024-08-18 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-18 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-18 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-08-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Simazine	2024-08-18 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-18 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-18 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Styrene	2024-08-18 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-18 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-18 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-18 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-18 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Carbofuran	2024-08-18 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2702466_001_001	DDW MUNICIPAL	Chlorobenzene	2024-08-18 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-08-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Benzene	2024-08-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Bentazon	2024-08-18 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Atrazine	2024-08-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	Alachlor	2024-08-18 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-18 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-18 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702466_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Manganese	2024-03-11 00:00:00	30	UG/L		50	FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Zinc	2024-03-11 00:00:00	0.132	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Selenium	2024-03-11 00:00:00	32	UG/L	20		TRUE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Nickel	2024-03-11 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Nitrate as N	2024-08-18 00:00:00	6.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Nitrite as N	2024-03-11 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Mercury	2024-03-11 00:00:00	0.2	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Silver	2024-03-11 00:00:00	10	UG/L		100	FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Specific Conductivity	2024-03-11 00:00:00	1770	UMHOS/CM		1600	FALSE	TRUE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Sulfate	2024-03-11 00:00:00	361	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Total Dissolved Solids	2024-03-11 00:00:00	1110	MG/L		1000	FALSE	TRUE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Copper	2024-03-11 00:00:00	0.005	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Thallium	2024-03-11 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Aluminum	2024-03-11 00:00:00	10	UG/L	1000	200	FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Antimony	2024-03-11 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Arsenic	2024-03-11 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Barium	2024-03-11 00:00:00	0.056	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Beryllium	2024-03-11 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Iron	2024-03-11 00:00:00	616	UG/L		300	FALSE	TRUE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Cadmium	2024-03-11 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Chloride	2024-03-11 00:00:00	140	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Chromium	2024-03-11 00:00:00	2	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Fluoride	2024-03-11 00:00:00	0.16	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702466_002_002	DDW MUNICIPAL	Cyanide (CN)	2024-03-11 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702466_002_002	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-03-11 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2702466_021_021	DDW MUNICIPAL	Nitrate as N	2024-08-18 00:00:00	3.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702520_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-04 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Nickel	2024-05-01 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Picloram	2024-07-16 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-07-16 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-05-01 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Nitrite as N	2024-05-01 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Nitrate as N	2024-05-01 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-07-16 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Molinate	2024-07-16 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Manganese	2024-05-01 00:00:00	13	UG/L		50	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Selenium	2024-05-01 00:00:00	5	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Iron	2024-05-01 00:00:00	1380	UG/L		300	FALSE	TRUE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Fluoride	2024-05-01 00:00:00	0.15	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Ethylbenzene	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Diquat	2024-07-16 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Total Dissolved Solids	2024-05-01 00:00:00	300	MG/L		1000	FALSE	FALSE	FALSE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2702520_003_003	DDW MUNICIPAL	Dinoseb	2024-07-16 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Benzene	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Zinc	2024-05-01 00:00:00	0.105	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Xylenes (Total)	2024-07-16 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Vinyl Chloride	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-07-16 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Styrene	2024-07-16 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-07-16 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Silver	2024-05-01 00:00:00	5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Toluene	2024-07-16 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Thiobencarb	2024-07-16 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Thallium	2024-05-01 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Sulfate	2024-05-01 00:00:00	86	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Specific Conductivity	2024-05-01 00:00:00	475	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Simazine	2024-07-16 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Trichloroethene (TCE)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Aluminum	2024-05-01 00:00:00	30	UG/L	1000	200	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Alachlor	2024-07-16 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-07-16 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-07-16 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Antimony	2024-05-01 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-07-16 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-07-16 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,3-Dichloropropene	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Dalapon	2024-07-16 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-07-16 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Arsenic	2024-05-01 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Cyanide (CN)	2024-05-01 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Copper	2024-05-01 00:00:00	0.007	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-07-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Chromium	2024-05-01 00:00:00	2	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Chlorobenzene	2024-07-16 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Chloride	2024-05-01 00:00:00	10	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Bentazon	2024-07-16 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Cadmium	2024-05-01 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Atrazine	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Beryllium	2024-05-01 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Barium	2024-05-01 00:00:00	0.043	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702520_003_003	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702520_003_003	DDW MUNICIPAL	Carbon tetrachloride	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702609_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-04 00:00:00	1.8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702609_001_001	DDW MUNICIPAL	Nitrite as N	2024-01-04 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Mercury	2024-02-26 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Oxamyl	2024-07-24 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Perchlorate	2024-08-28 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Nitrite as N	2024-02-26 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Nitrate as N	2024-02-26 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Nickel	2024-02-26 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2702613_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-02-26 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-07-24 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Manganese	2024-07-24 00:00:00	118	UG/L		50	FALSE	TRUE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Iron	2024-07-24 00:00:00	626	UG/L		300	FALSE	TRUE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Diquat	2024-07-24 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Gross Alpha radioactivity	2024-02-26 00:00:00	1.59	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Ethylbenzene	2024-02-26 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Fluoride	2024-02-26 00:00:00	0.3	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Picloram	2024-07-24 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-02-26 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-02-26 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-02-26 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Dinoseb	2024-07-24 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Zinc	2024-02-26 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-02-26 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-02-26 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-02-26 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-02-26 00:00:00	406	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-02-26 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Thallium	2024-02-26 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Sulfate	2024-02-26 00:00:00	46	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Styrene	2024-02-26 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Specific Conductivity	2024-02-26 00:00:00	727	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Simazine	2024-07-24 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Silver	2024-02-26 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Selenium	2024-02-26 00:00:00	1.6	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Toluene	2024-02-26 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Antimony	2024-02-26 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Aluminum	2024-02-26 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Alachlor	2024-07-24 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-07-24 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-07-24 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-02-26 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Arsenic	2024-02-26 00:00:00	1	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-02-26 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-02-26 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-02-26 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-02-26 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-02-26 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-02-26 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-02-26 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-02-26 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Chloride	2024-02-26 00:00:00	99	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-02-26 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-02-26 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Atrazine	2024-07-24 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Copper	2024-02-26 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-02-26 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Chlorobenzene	2024-02-26 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Dalapon	2024-07-24 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Beryllium	2024-02-26 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Barium	2024-02-26 00:00:00	0.0827	MG/L	1		FALSE	FALSE	FALSE	DDW

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Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2702613_001_001	DDW MUNICIPAL	Bentazon	2024-07-24 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Chromium	2024-02-26 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Benzene	2024-02-26 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Carbofuran	2024-07-24 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702613_001_001	DDW MUNICIPAL	Boron	2024-01-22 00:00:00	0.114	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2702613_001_001	DDW MUNICIPAL	Cadmium	2024-02-26 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702642_001_001	DDW MUNICIPAL	Nitrite as N	2024-01-04 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702642_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-04 00:00:00	2.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702830_002_002	DDW MUNICIPAL	Nitrate as N	2024-09-11 00:00:00	75.9	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2702830_002_002	DDW MUNICIPAL	Radium 228	2024-06-19 00:00:00	1	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2702830_002_002	DDW MUNICIPAL	Radium 226	2024-06-19 00:00:00	1	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2704520_001_001	DDW MUNICIPAL	Molinate	2024-01-04 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2704520_001_001	DDW MUNICIPAL	Thiobencarb	2024-01-04 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2704520_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-01 00:00:00	0.8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2704520_001_001	DDW MUNICIPAL	Alachlor	2024-01-04 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2704520_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-04-02 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2704520_001_001	DDW MUNICIPAL	Simazine	2024-01-04 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2704520_001_001	DDW MUNICIPAL	Atrazine	2024-01-04 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710008_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-09 00:00:00	2.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710008_006_006	DDW MUNICIPAL	Nitrate as N	2024-07-09 00:00:00	1.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710008_006_006	DDW MUNICIPAL	Uranium	2024-01-09 00:00:00	6.75	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710008_006_006	DDW MUNICIPAL	Gross Alpha radioactivity	2024-01-09 00:00:00	7.23	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710008_010_010	DDW MUNICIPAL	Nitrate as N	2024-04-16 00:00:00	2.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710008_010_010	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-01-12 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Manganese	2024-08-07 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Perchlorate	2024-08-07 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-15 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Oxamyl	2024-08-15 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Nitrite as N	2024-08-07 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Nitrate as N	2024-08-07 00:00:00	0.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Nickel	2024-08-07 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Mercury	2024-08-07 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Picloram	2024-08-15 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Gross Alpha radioactivity	2024-01-18 00:00:00	6.22	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Iron	2024-08-07 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Molinate	2024-08-15 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Selenium	2024-08-07 00:00:00	5.2	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Silver	2024-08-07 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Simazine	2024-08-15 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Specific Conductivity	2024-08-07 00:00:00	978	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Sulfate	2024-08-07 00:00:00	209	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Thallium	2024-08-07 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Thiobencarb	2024-08-15 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Total Dissolved Solids	2024-08-07 00:00:00	648	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Zinc	2024-08-07 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-08-07 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Cadmium	2024-08-07 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Uranium	2024-01-18 00:00:00	4.05	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-15 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Carbofuran	2024-08-15 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-29 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Fluoride	2024-08-07 00:00:00	0.1	MG/L	2		FALSE	FALSE	FALSE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2710011_006_006	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-15 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Alachlor	2024-08-15 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Aluminum	2024-08-07 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Antimony	2024-08-07 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Arsenic	2024-08-07 00:00:00	2.5	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Atrazine	2024-08-15 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Barium	2024-08-07 00:00:00	0.062	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Bentazon	2024-08-15 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-15 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-15 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Beryllium	2024-08-07 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Dinoseb	2024-08-15 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-15 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Dalapon	2024-08-15 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Cyanide (CN)	2024-08-07 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Copper	2024-08-07 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Chloride	2024-08-07 00:00:00	80	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_006_006	DDW MUNICIPAL	Chromium	2024-08-07 00:00:00	1.2	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_006_006	DDW MUNICIPAL	Diquat	2024-08-15 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Manganese	2024-06-04 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-15 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Oxamyl	2024-08-15 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Nitrite as N	2024-06-04 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Nitrate as N	2024-06-04 00:00:00	0.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Nickel	2024-06-04 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Mercury	2024-06-04 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Perchlorate	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Gross Alpha radioactivity	2024-02-13 00:00:00	3.15	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Specific Conductivity	2024-06-04 00:00:00	796	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Iron	2024-06-04 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Molinate	2024-08-15 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Picloram	2024-08-15 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Selenium	2024-06-04 00:00:00	2.8	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Silver	2024-06-04 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Zinc	2024-06-04 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Sulfate	2024-06-04 00:00:00	166	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Thallium	2024-06-04 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Thiobencarb	2024-08-15 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Total Dissolved Solids	2024-06-04 00:00:00	512	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-06-04 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Dalapon	2024-08-15 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Simazine	2024-08-15 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-15 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Fluoride	2024-06-04 00:00:00	0.1	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-15 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-15 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Alachlor	2024-08-15 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Aluminum	2024-06-04 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Antimony	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Arsenic	2024-06-04 00:00:00	1	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Atrazine	2024-08-15 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Barium	2024-06-04 00:00:00	0.0538	MG/L	1		FALSE	FALSE	FALSE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2710011_007_007	DDW MUNICIPAL	Bentazon	2024-08-15 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-15 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Beryllium	2024-06-04 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-29 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Cadmium	2024-06-04 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Carbofuran	2024-08-15 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Chloride	2024-06-04 00:00:00	58	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_007_007	DDW MUNICIPAL	Chromium	2024-06-04 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Copper	2024-06-04 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Cyanide (CN)	2024-06-04 00:00:00	100	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-15 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Dinoseb	2024-08-15 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710011_007_007	DDW MUNICIPAL	Diquat	2024-08-15 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Oxamyl	2024-08-15 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Nitrate as N	2024-06-04 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Molinate	2024-08-15 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Mercury	2024-06-04 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Manganese	2024-07-02 00:00:00	181	UG/L		50	FALSE	TRUE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-15 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-06-04 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Fluoride	2024-06-04 00:00:00	0.1	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Iron	2024-07-02 00:00:00	110	UG/L		300	FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Perchlorate	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Picloram	2024-08-15 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Selenium	2024-06-04 00:00:00	4.6	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Total Dissolved Solids	2024-06-04 00:00:00	718	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Simazine	2024-08-15 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Specific Conductivity	2024-07-02 00:00:00	1266	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Sulfate	2024-06-04 00:00:00	122	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Thallium	2024-06-04 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Thiobencarb	2024-08-15 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Diquat	2024-08-15 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Nickel	2024-06-04 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Zinc	2024-06-04 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Silver	2024-06-04 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Arsenic	2024-06-04 00:00:00	2.8	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Dinoseb	2024-08-15 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-29 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-15 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-15 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Alachlor	2024-08-15 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Nitrite as N	2024-06-04 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Antimony	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Atrazine	2024-08-15 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Barium	2024-06-04 00:00:00	0.202	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Bentazon	2024-08-15 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-15 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Dalapon	2024-08-15 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-15 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Aluminum	2024-06-04 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-15 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Beryllium	2024-06-04 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW

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Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2710011_008_008	DDW MUNICIPAL	Cyanide (CN)	2024-06-04 00:00:00	100	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Copper	2024-06-04 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Chloride	2024-06-04 00:00:00	234	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_008_008	DDW MUNICIPAL	Carbofuran	2024-08-15 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Cadmium	2024-06-04 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710011_008_008	DDW MUNICIPAL	Chromium	2024-06-04 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Picloram	2024-08-15 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-15 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Dinoseb	2024-08-15 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Diquat	2024-08-15 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Molinate	2024-08-15 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Thiobencarb	2024-08-15 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-15 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Simazine	2024-08-15 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Carbofuran	2024-08-15 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Oxamyl	2024-08-15 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-15 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Bentazon	2024-08-15 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Atrazine	2024-08-15 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Alachlor	2024-08-15 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-15 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-15 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-29 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-15 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710011_013_013	DDW MUNICIPAL	Dalapon	2024-08-15 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Iron	2024-06-04 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Oxamyl	2024-01-25 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Nitrite as N	2024-06-04 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Nitrate as N	2024-06-04 00:00:00	0.3	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Nickel	2024-06-04 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Molinate	2024-01-25 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Mercury	2024-06-04 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-01-25 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Simazine	2024-01-25 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-06-04 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Manganese	2024-06-04 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Perchlorate	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Zinc	2024-06-04 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Silver	2024-06-04 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Specific Conductivity	2024-06-04 00:00:00	664	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Sulfate	2024-06-04 00:00:00	130	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Thallium	2024-06-04 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Thiobencarb	2024-01-25 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Total Dissolved Solids	2024-06-04 00:00:00	440	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Picloram	2024-01-25 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Fluoride	2024-06-04 00:00:00	0.1	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Aluminum	2024-06-04 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Diquat	2024-01-25 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Selenium	2024-06-04 00:00:00	2.7	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-01-25 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-01-25 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Antimony	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW

Table C-1. 2024 Annual Report Groundwater Quality Data

Well Name	Well Category	Chemical Name	Measurement Date	Concentration Value	Unit	MCL	SMCL	MCL exceeded?	SMCL exceeded?	Concentration non-detect?	Data Source
CA2710011_014_014	DDW MUNICIPAL	Arsenic	2024-06-04 00:00:00	1	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Atrazine	2024-01-25 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Barium	2024-06-04 00:00:00	0.0437	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Bentazon	2024-01-25 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Benzo(a)pyrene	2024-01-25 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Beryllium	2024-06-04 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Dalapon	2024-01-25 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Dinoseb	2024-01-25 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Alachlor	2024-01-25 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-01-25 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-01-25 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Cyanide (CN)	2024-06-04 00:00:00	100	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Copper	2024-06-04 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Chromium	2024-06-04 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Chloride	2024-06-04 00:00:00	37	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710011_014_014	DDW MUNICIPAL	Carbofuran	2024-01-25 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710011_014_014	DDW MUNICIPAL	Cadmium	2024-06-04 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710850_005_005	DDW MUNICIPAL	Nitrate as N	2024-09-17 00:00:00	9.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710850_006_006	DDW MUNICIPAL	Nitrate as N	2024-09-04 00:00:00	4.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710850_007_007	DDW MUNICIPAL	Nitrate as N	2024-07-09 00:00:00	5.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710851_004_004	DDW MUNICIPAL	Gross Alpha radioactivity	2024-06-04 00:00:00	4.59	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710851_004_004	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-04-09 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Molinate	2024-04-09 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Nitrate as N	2024-09-04 00:00:00	8.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710851_004_004	DDW MUNICIPAL	Oxamyl	2024-04-09 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Perchlorate	2024-01-17 00:00:00	2.2	UG/L	6		FALSE	FALSE	FALSE	DDW
CA2710851_004_004	DDW MUNICIPAL	Picloram	2024-04-09 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Simazine	2024-04-09 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Uranium	2024-06-04 00:00:00	4.8	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710851_004_004	DDW MUNICIPAL	Total Dissolved Solids	2024-09-04 00:00:00	712	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710851_004_004	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-04-09 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Thiobencarb	2024-04-09 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-04-09 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Dalapon	2024-04-09 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Carbofuran	2024-04-09 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Benzo(a)pyrene	2024-04-09 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Bentazon	2024-04-09 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Atrazine	2024-04-09 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Alachlor	2024-04-09 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-04-09 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-04-09 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-04-16 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Dinoseb	2024-04-09 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710851_004_004	DDW MUNICIPAL	Diquat	2024-04-09 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2800736_002_002	DDW MUNICIPAL	Nitrate as N	2024-01-11 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2800736_002_002	DDW MUNICIPAL	Nitrite as N	2024-01-11 00:00:00	0.4	MG/L	1		FALSE	FALSE	TRUE	DDW
AGL020038584-DOMESTIC	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	541	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020038584-DOMESTIC	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	0.7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB