Salinas Valley Groundwater Basin
180/400-Foot Aquifer Subbasin
Water Year 2024 Annual Report

Submitted in Support of Groundwater Sustainability Plan Implementation

Salinas Valley Basin
Groundwater Sustainability Agency

Prepared by:

MONTGOMERY & ASSOCIATES
Water Resource Consultants

CONTENTS

LIST OF TABLES

LIST OF FIGURES

Appendices

ABBREVIATIONS AND ACRONYMS

AF .....acre-feet
AF/yr .....acre-feet per year
CCRWQCB.....Central Coast Regional Water Quality Control Board
COC(s) .....Constituent(s) of concern
CSIP .....Castroville Seawater Intrusion Project
DAC .....Disadvantaged Communities
DDW .....Division of Drinking Water
D-TAC .....Drought Operations Technical Advisory Committee
DMS .....Data Management System
DWR .....California Department of Water Resources
DWSN.....Dry Winter Scenario Narrative
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
GSP Amendment 1 Amendment to the 180/400-Foot Aquifer Subbasin GSP
GTAC.....Groundwater Technical Advisory Committee
HCM .....hydrogeologic conceptual model
HOA .....Home Owner Association
ILRP.....Irrigated Lands Regulatory Program
InSAR .....Interferometric Synthetic-Aperture Radar
ISW .....interconnected surface water
MCL.....Maximum Contaminant Level
MCWRA.....Monterey County Water Resources Agency
mg/L.....milligram per liter
MLRP.....Multi-benefit Land Repurposing Program
RCA(s) .....Recommended Corrective Action(s)
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.....180/400-Foot Aquifer Subbasin
SVBGSA.....Salinas Valley Basin Groundwater Sustainability Agency
SVIHM.....Salinas Valley Integrated Hydrologic Model
SVRP.....Salinas Valley Reclamation Project
SWIG .....Seawater Intrusion Working Group

SWRCB.....State Water Resources Control Board
ug/L .....micrograms/Liter
UMHOS/CM.....micromhos/centimeter
USGS .....U.S. Geological Survey
WY .....Water Year

EXECUTIVE SUMMARY

Following the Salinas Valley Basin Groundwater Sustainability Agency's (SVBGSA) 2020 adoption and submittal of its Groundwater Sustainability Plan (GSP or Plan), the Sustainable Groundwater Management Act (SGMA) requires the SVBGSA to submit an annual report for the Salinas Valley 180/400-Foot Aquifer Subbasin (180/400 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 June 3, 2021, DWR approved the 180/400 Subbasin 2020 GSP with 5 Recommended Corrective Actions (RCAs). To align the periodic evaluation timing with the other 5 SVBGSA subbasins, SVBGSA submitted a GSP Amendment 1 on September 30, 2022.

As described in the GSP, DWR designated the Subbasin as high-priority subbasin in critical overdraft, which indicates that continuation of present water management practices would probably result in significant adverse impacts. The 2020 180/400 Subbasin GSP and 2022 amendment (GSP Amendment 1) aim 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 extractions for WY 2024 were approximately 103,980 acre-feet (AF), which increased from the prior year but was similar to the average historical extraction.
- On average, groundwater elevations rose by 1.7 feet during this wet water year. This is expected during wet years and does not indicate a change in the overall downward trend. Increases were greater in the southern part of the Subbasin than the northern part. In relation to the GSP Sustainable Management Criteria (SMC), 21 Representative Monitoring Site (RMS) wells had groundwater elevations above their measurable objectives, 52 had elevations between their measurable objectives and minimum thresholds, and 18 were below their minimum thresholds. During fall 2024, four RMS wells were not sampled and 3 new Deep Aquifers RMS wells do not have SMC yet.
- Seawater intrusion did not advance in the 180-Foot Aquifer during WY 2024. It continued to advance inland in the 400-Foot Aquifer at a smaller rate than previous years.

- Groundwater storage increased in WY 2024 and was above the minimum threshold by about 39,000 AF.
- In WY 2024, 13 groundwater quality constituents of concern (COCs) exceeded their minimum thresholds, none of them determined to be due to 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.
- The shallow well used to monitor ISW had groundwater elevations above its measurable objective. The new ISW well installed in 2023 does not have SMC yet.

As a result, the 180/400 Subbasin had 2 undesirable results for chronic lowering of groundwater levels and seawater intrusion in WY 2024.

During WY 2024, the SVBGSA has taken numerous actions to implement the GSP. These include:

- **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 continued to regularly engage interested parties through the 180/400 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 distribute information and resources about domestic water conservation. SVBGSA also held 5 Valley-wide workshops titled “Our Water Future” in the Salinas Valley geared toward the general public.
- **Data Expansion and SGMA Compliance:** SVBGSA and partner agencies focused on filling data gaps to establish a strong basis for planning. Main workstreams included Monterey County Water Resources Agency (MCWRA) beginning desktop data collection for a Well Registration Program, developing a Groundwater Monitoring Program, and adopting 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 updated the Seawater Intrusion Model accordingly.

- **Projects and Management Actions:** SVBGSA moved forward with several actions that support groundwater sustainability. This year, SVBGSA advanced planning on a number of different workstreams in the 180/400 Subbasin: finalizing the Salinas Valley Deep Aquifers Study and establishing a Deep Aquifers Agency Working Group; conducting a feasibility analysis of the Brackish Groundwater Restoration Project; developing a preliminary feasibility of aquifer storage and recovery; holding Valley-wide demand management workshops and starting a Subbasin dialogue; forming an agreement with University of California, Davis, to begin GIS-based recharge mapping effort under the Multi-benefit Land Repurposing Program; contracting Balance Hydrologics to undertake the Salinas River Recharge Study at Somavia Road; supporting irrigation efficiency through partnering with the University of California Cooperative Extension; and conceptualizing the Water Efficiency Pilot Program to focus on domestic and small water system wells.

1 INTRODUCTION

1.1 Purpose

The 2014 California Sustainable Groundwater Management Act (SGMA) requires that following adoption of a Groundwater Sustainability Plan (GSP or Plan), 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 180/400-Foot Aquifer Subbasin (180/400 Subbasin or Subbasin) for Water Year (WY) 2024. It adjusts the monitoring networks and Sustainable Management Criteria (SMC) according to the GSP Amendment 1 submitted on September 30, 2022, formerly titled the GSP 2022 Update.

The sustainability goal of the 180/400 Subbasin is to manage the 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 sixth 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 SMC as a measure of the Subbasin's groundwater conditions with respect to the sustainability goal that must be reached by the end of 2040.

1.2 180/400-Foot Aquifer Subbasin Groundwater Sustainability Plan

In 2017, local Groundwater Sustainability Agency (GSA)-eligible entities formed the Salinas Valley Basin Groundwater Sustainability Agency (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 SVBGSA developed the GSP for the 180/400 Subbasin, identified as California Department of Water Resources (DWR) subbasin 3-004.01, in coordination with the Marina Coast Water District Groundwater Sustainability Agency and the County of Monterey Groundwater Sustainability Agency, each of which has exclusive jurisdiction over part of the 180/400-Foot Aquifer Subbasin. DWR has designated the 180/400 Subbasin as a critically overdrafted basin, which indicates that continuation of present water management practices could result in significant adverse impacts.

The SVBGSA developed the GSP for the 180/400 Subbasin in concert with the 5 other Salinas Valley Subbasin GSPs that fall partially or entirely under its jurisdiction: the Eastside Aquifer Subbasin (Eastside Subbasin, DWR subbasin 3-004.02), the Forebay Aquifer Subbasin (Forebay Subbasin, DWR subbasin 3-004.04), 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 89,700 acres of the 180/400 Subbasin, as shown on Figure 1-1.

In 2022, SVBGSA submitted an amendment to the 180/400 Subbasin GSP (GSP Amendment 1), which updated the original 2020 GSP. The GSPs for the 5 other Salinas Valley subbasins partially or entirely under the authority of SVBGSA were also submitted in 2022. The GSP Amendment 1 was developed with an intent to align all SVBGSA GSPs in approach and timing of implementation actions and 5-year period evaluations. The GSP Amendment 1 incorporates additional data about current conditions, adds clarifications identified during development of the 2022 Salinas Valley GSPs, includes a water budget consistent with the other Salinas Valley GSPs, addresses recommended actions from DWR's review of the 2020 GSP, and incorporates additional regulatory requirements.

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. Then, it outlines the subbasin conditions, including groundwater extractions, surface water use, total water use, groundwater elevations, seawater intrusion, 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.

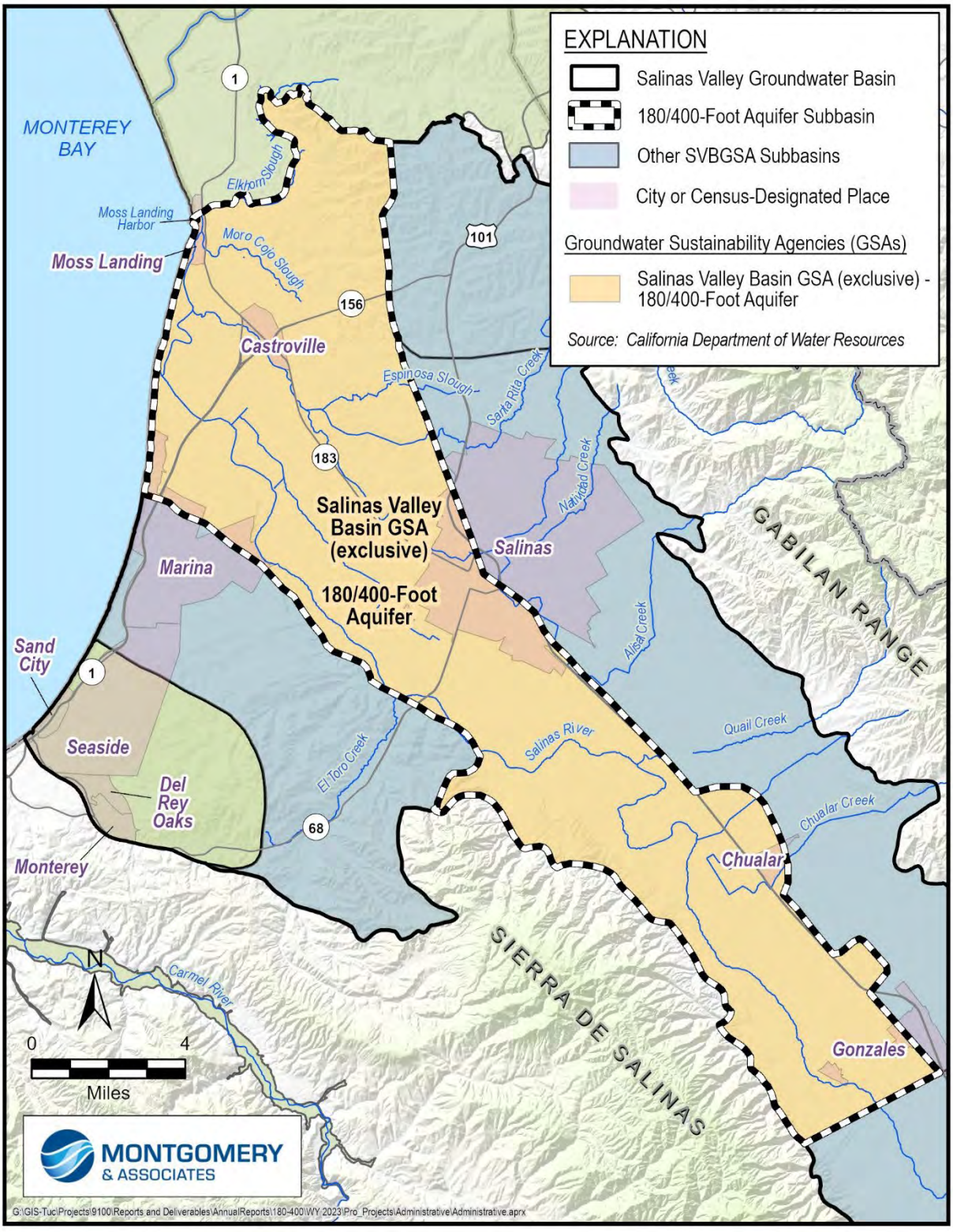


Figure 1-1. 180/400 Subbasin

2 SUBBASIN SETTING

The 180/400 Subbasin is a high-priority groundwater subbasin in northwestern Monterey County that includes the northern end of the Salinas River Valley. The Salinas River flows into the Subbasin from the south and discharges into Monterey Bay in the north. Subbasin boundaries are determined in part by geologic structures and depositional changes that influence groundwater flow. The northern boundary of the 180/400 Subbasin follows the current course of Elkhorn Slough and corresponds to a paleo-drainage of the Salinas River that limits groundwater flow between basins (Durbin, *et al.*, 1978). The boundary with the Langley Subbasin to the northeast is based on a topographic change from the valley floor to an elevated foothill area, but there is no hydraulic barrier to groundwater flow. To the East, the boundary generally coincides with the boundary between the Eastside Subbasin alluvial fans and the layered aquifer system of the 180/400 Subbasin. There is likely groundwater flow across this boundary; however, flow may be restricted by the depositional changes. To the southeast, there is hydraulic connectivity with the Forebay Subbasin. To the southwest, the boundary with the Monterey Subbasin is based on topographic rise that coincides with a buried trace of the Reliz fault (Durbin, *et al.,* 1978). There is no sign of the fault affecting groundwater flow in the sediments that contain the principal aquifers based on observed groundwater elevation and seawater intrusion conditions across the Subbasin boundary (HLA, 1994; Feeney and Rosenberg, 2003). Finally, there is no hydraulic barrier between the 180/400 Subbasin and the Monterey Bay.

2.1 Principal Aquifers and Aquitards

Vertically, the shallowest water-bearing sediments are not considered a principal aquifer because they are thin, laterally discontinuous, and a minor source of water. Groundwater in these shallow sediments is hydraulically connected to the Salinas River but poorly connected to the underlying productive principal aquifers: the 180-Foot, 400-Foot, and Deep Aquifers. The base of the shallow sediments is the Salinas Valley Aquitard, which overlies and confines the 180-Foot Aquifer. The 180-Foot Aquifer consists of interconnected sand and gravel beds that are 50 to 150 feet thick. Below the 180-Foot Aquifer, the 180/400 Aquitard confines the 400-Foot Aquifer. The 400-Foot Aquifer is a relatively permeable horizon that is approximately 200 feet thick near Salinas; but in other areas the aquifer is split into multiple permeable zones by clay layers (DWR, 1973). Below the 400-Foot Aquifer, the 400/Deep Aquitard confines the Deep Aquifers. The Deep Aquifers are the amalgamation of multiple productions zones within the Paso Robles Formation, the Purisima Formation, and the Santa Margarita Sandstone, and are encountered below the 400/Deep Aquitard. These principal aquifers and aquitards were delineated in the recent Hydrogeological Conceptual Model (HCM) update, which is summarized in Appendix A.

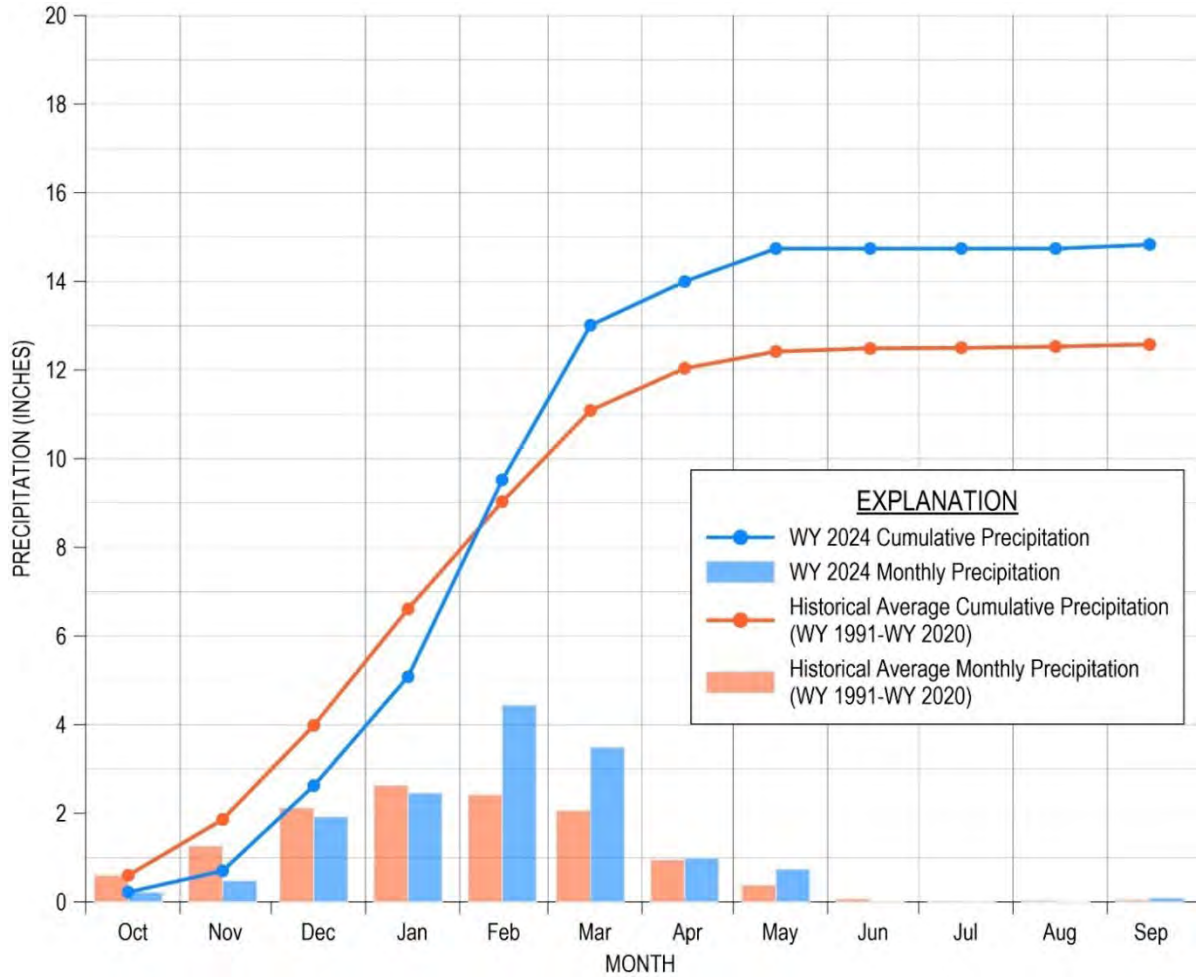
2.2 Natural Groundwater Recharge and Discharge

Groundwater can discharge from the aquifer in locations where surface water and groundwater are interconnected and gaining streamflow conditions occur. There are potential locations of interconnected surface water (ISW) mainly along the Salinas River where the Salinas Valley Aquitard does not exist. In areas of interconnection, groundwater dependent ecosystems (GDEs) may rely 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

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, at the Salinas Municipal Airport. 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 the historical average in March and May largely due to a series of storm events (measured at the Salinas 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.

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.



(Adapted from MCWRA, November 2024a)

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

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 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, and flood control. 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, stakeholders offered commentary through the subbasin implementation committees on how their operations and water use were affected by factors such as flooding, temperature, pests, and 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 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:

- **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 permanent ban on decorative grass watering in commercial, industrial, and institutional areas.

  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.

2.4.2 CSIP Operations

The CSIP delivers a combination of recycled water, stored reservoir surface water, and groundwater as an irrigation supply to growers in part of the area impacted or threatened by seawater intrusion. While CSIP is only located in the 180/400 Subbasin, it affects MCWRA operation of the reservoirs, which affects recharge along the Salinas River. Storage in Nacimiento and San Antonio Reservoirs allowed MCWRA to make summer conservation releases and re-divert stored reservoir water at the SRDF to CSIP. Recycled and surface water provided the majority of water to CSIP during WY 2024, reducing groundwater pumping when compared to previous years. Figure 2-2 shows monthly CSIP water deliveries by water type since January 2020. In summer 2024, surface (river) water and recycled water made up the majority of CSIP supply, similar to summer 2023.

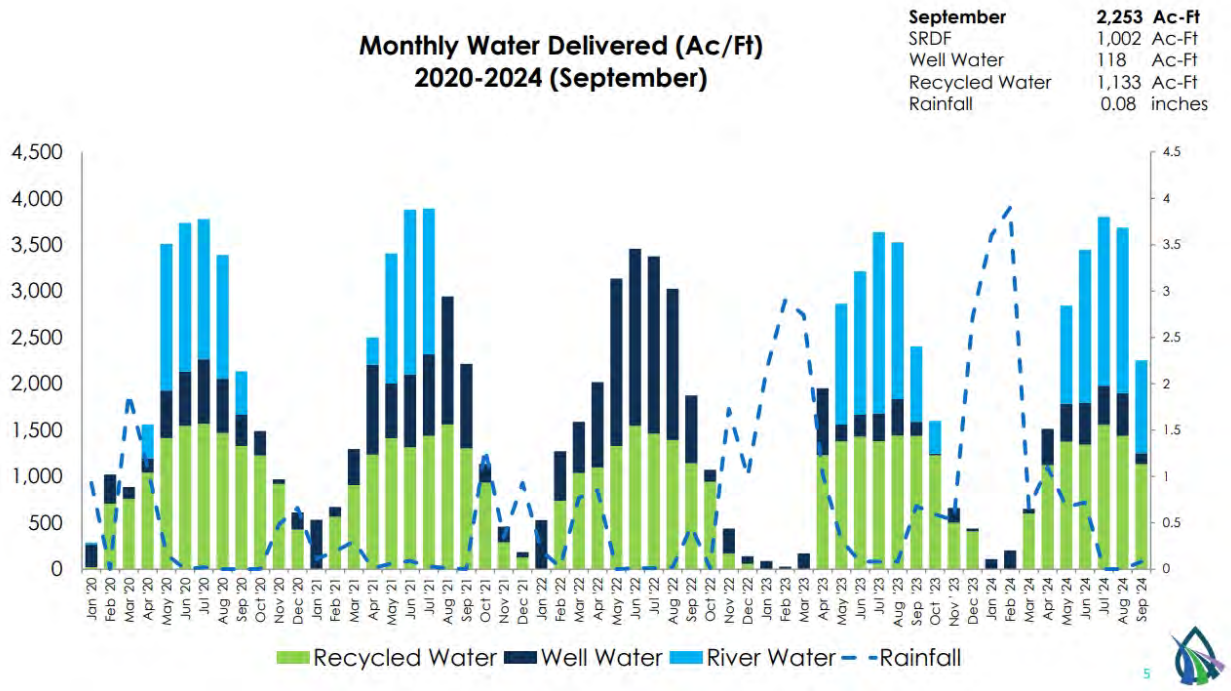


Figure 2-2. WY 2024 Monthly Water Delivered (AF/yr) to CSIP (M1W, 2024)

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.

3.1 Water Supply and Use

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

The water supply in the 180/400 Subbasin is a combination of groundwater, surface water, and recycled water. Groundwater is the main water source in the Subbasin. The CSIP delivers a combination of groundwater, re-diverted stored reservoir water, and recycled water from Monterey One Water to the coastal farmland surrounding Castroville. Some growers also report surface water use to the SWRCB. Recycled water is also used to irrigate horse pastures in California Water Service Company's Salinas Hills Water System.

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 in the 180/400 Subbasin, including the method and accuracy of measurement. Urban water use data from MCWRA aggregates municipal wells, small public water systems, and industrial wells. Agricultural water use accounted for 89% of groundwater extraction in 2024; urban and industrial water uses accounted for 11%. Both agricultural and urban pumping is reported by MCWRA from October 1 through September 30, starting in WY 2024 based on MCWRA Ordinance 5426. The rural domestic pumping estimate in the 180/400 Subbasin was updated this year to maintain consistency with the other subbasins. It 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. No groundwater was extracted for managed wetlands or managed recharge. Groundwater use by natural vegetation is assumed to be small and was not estimated for this report.

The total reported groundwater extractions in WY 2024 were 103,980 AF/yr in the Subbasin. Of this total extraction, 450 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 180/400 Subbasin not the MCWRA Pressure 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	660	Estimated	N/A
Urban (including industrial)	11,430	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	91,890		
Managed Wetlands	0	N/A	N/A
Managed Recharge	0	N/A	N/A
Natural Vegetation	0	*De minimis* and not estimated.	Unknown
TOTAL	**103,980**		

In AF/yr

N/A = Not Applicable.

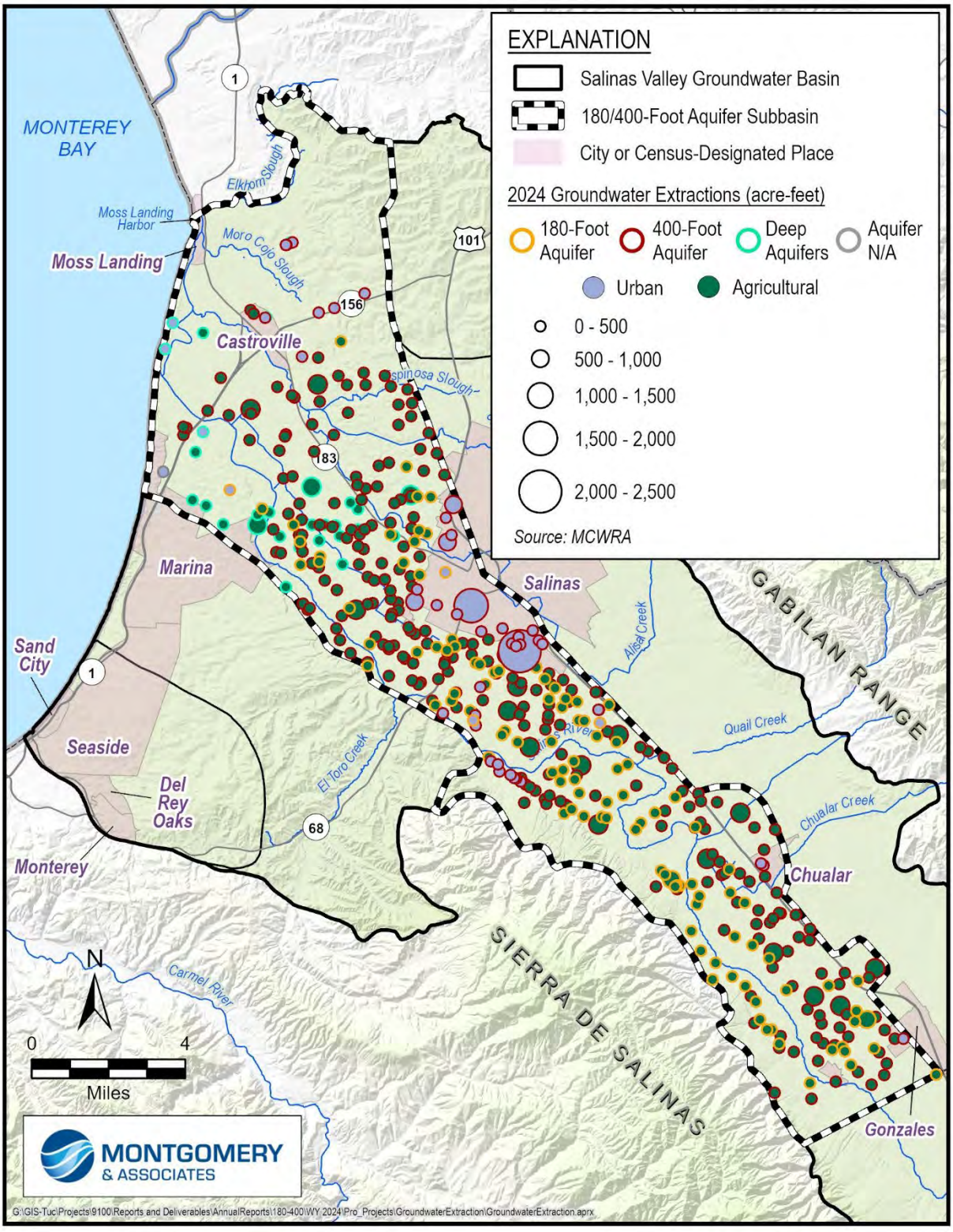


Figure 3-1. General Location and Volume of Groundwater Extractions

3.1.2 Surface Water Supply

Salinas River watershed diversion data are obtained from the SWRCB's Electronic Water Rights Information Management System (eWRIMS) website (SWRCB, 2024b). The data are reported annually and include diversions from the Salinas River and its tributaries. Surface water diversions reported to eWRIMS were approximately 8,430 AF/yr in WY 2024. Of these, 7,420 AF/yr were reported as a Statement of Diversion and Use and 1,010 AF/yr were reported as Appropriative for the Blanco Drain and Reclamation Ditch. These diversions do not include the diversions at the Salinas River Diversion Facility (SRDF) in WY 2024, which are included in the following section. All diverted surface water is used for irrigation.

3.1.3 Recycled Water Supply

In addition to groundwater and surface water, a third water source type in the 180/400 Subbasin is recycled water. Monterey One Water treats and delivers this Salinas Valley Reclamation Project (SVRP) recycled water to the coastal farmland surrounding Castroville through the CSIP system. CSIP deliveries are used for irrigation and are summarized in Table 3-2.

Additionally, recycled water from California American Water's Indian Springs Reclamation Facility is used to irrigate horse pastures in California Water Service's Salinas Hills Water System within the 180/400 Subbasin. This is a relatively small amount of water (approximately 30 AF, based on previous years) and is not reported here.

Table 3-2. CSIP Water Deliveries

Delivery Type	WY 2024 (AF/yr)
CSIP Wells	2,830
SRDF-River	7,670
SVRP-Recycled	10,740
TOTAL	**21,240**

3.1.4 Total Water Use

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

Many growers and residents have noted that some agricultural water use is reported both to the SWRCB as Salinas River diversions and to the MCWRA as groundwater pumping. To avoid double counting, all surface water reported as a Statement of Diversion and Use is excluded from the total water use count for the Subbasin. Therefore, in WY 2024, total surface water use for the Subbasin is adjusted from the 16,100 AF/yr reported in eWRIMS to 8,680 AF/yr. In other words, the total surface water use includes only the SRDF river diversions and appropriative surface water diversions at Blanco Drain and Reclamation Ditch reported to eWRIMS. It is possible that not all of the 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 method used to resolve double counting.

Total water use was 123,400 AF/yr in WY 2024, as shown in Table 3-3. Figure 3-2 shows the total water use by water use sector and water type since WY 2018. Total water use estimates for WYs 2020-2023 have been adjusted to include the revised rural domestic pumping estimate.

Table 3-3. 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	660	0	0	Estimated	N/A
Urban (including industrial)	11,430	0	0	Direct	Estimated to be +/- 5%.
Agricultural	91,890	8,680	10,740	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	103,980	8,680	10,740		
TOTAL	**123,400**				

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.

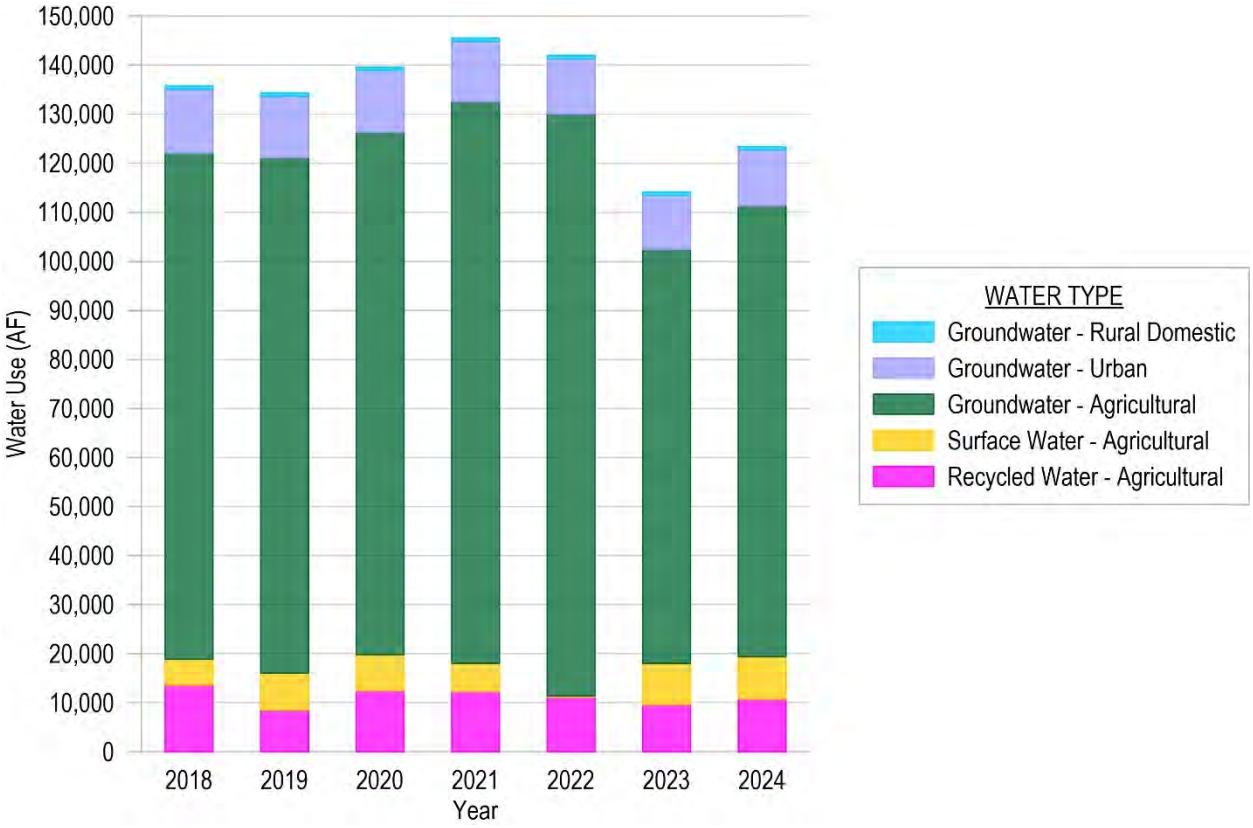


Figure 3-2. Total Water Use by Water Use Sector Since WY 2018

3.2 Groundwater Elevations

The groundwater elevation monitoring network in the 180/400 Subbasin consists of 99 representative monitoring site (RMS) wells monitored by MCWRA. Figure 3-3, Figure 3-4, and Figure 3-5 show the 34 RMS wells for the 180-Foot, 44 RMS wells for the 400-Foot, and 20 RMS wells for the Deep Aquifers, respectively. Last year the SVBGSA installed 3 Deep Aquifers wells (13S/02E-26L02 [180/400-DA-3], 15S/02E-12C02 [180/400-DA-1], and 16S/05E-30F02 [180/400-DA-2]) to the Subbasin's monitoring network in its effort to fill data gaps. August and fall groundwater levels were collected at these wells, however, a longer period of groundwater elevation measurements is necessary to establish SMC. Therefore, their groundwater elevations are included and discussed below, but are not included or discussed in Section 4.2.1. SVBGSA is working to fill data gaps in the monitoring network with additional wells during GSP implementation.

Table 3-4 provides a summary of changes made to the groundwater elevation RMS network. Most changes occurred in the Deep Aquifers RMS well network to align the Subbasin's monitoring network with the network outlined in the Deep Aquifer Study (M&A, 2024).

Table 3-4. Groundwater Elevation RMS Network Changes

Aquifer	Replaced RMS	New RMS	Rationale for Change
180-Foot	15S/03E-25L01	Not replaced	Well completed in both 180- and 400-Foot Aquifers
400-Foot	14S/02E-22L01	14S/02E-15K01	Replaced well was destroyed
	14S/02E-27G03	14S/02E-23A02 14S/03E-19C51	Replaces well that was removed from MCWRA's monitoring program
Deep Aquifers	15S/03E-10D04	Not replaced	Not true Deep Aquifers well based on Deep Aquifers Study (M&A, 2024)
	15S/03E-17E02	Not replaced	
	16S/04E-11D51	Not replaced	
	14S/02E-18B01	14S/02E-07J03	RMS designation changed to align with the Deep Aquifers Study (M&A, 2024)
	14S/02E-28C02	14S/02E-28H04	
		14S/02E-26G01	
		14S/02E-27K02	
		14S/02E-35B01	
		14S/03E-19C01	
		14S/02E-20E01	
		14S/02E-25A03	
		14S/02E-14R02	
		14S/02E-21K04	
		14S/02E-23J02	
		15S/02E-12C02	Recently installed
		16S/05E-30F02	
		13S/02E-26L02	

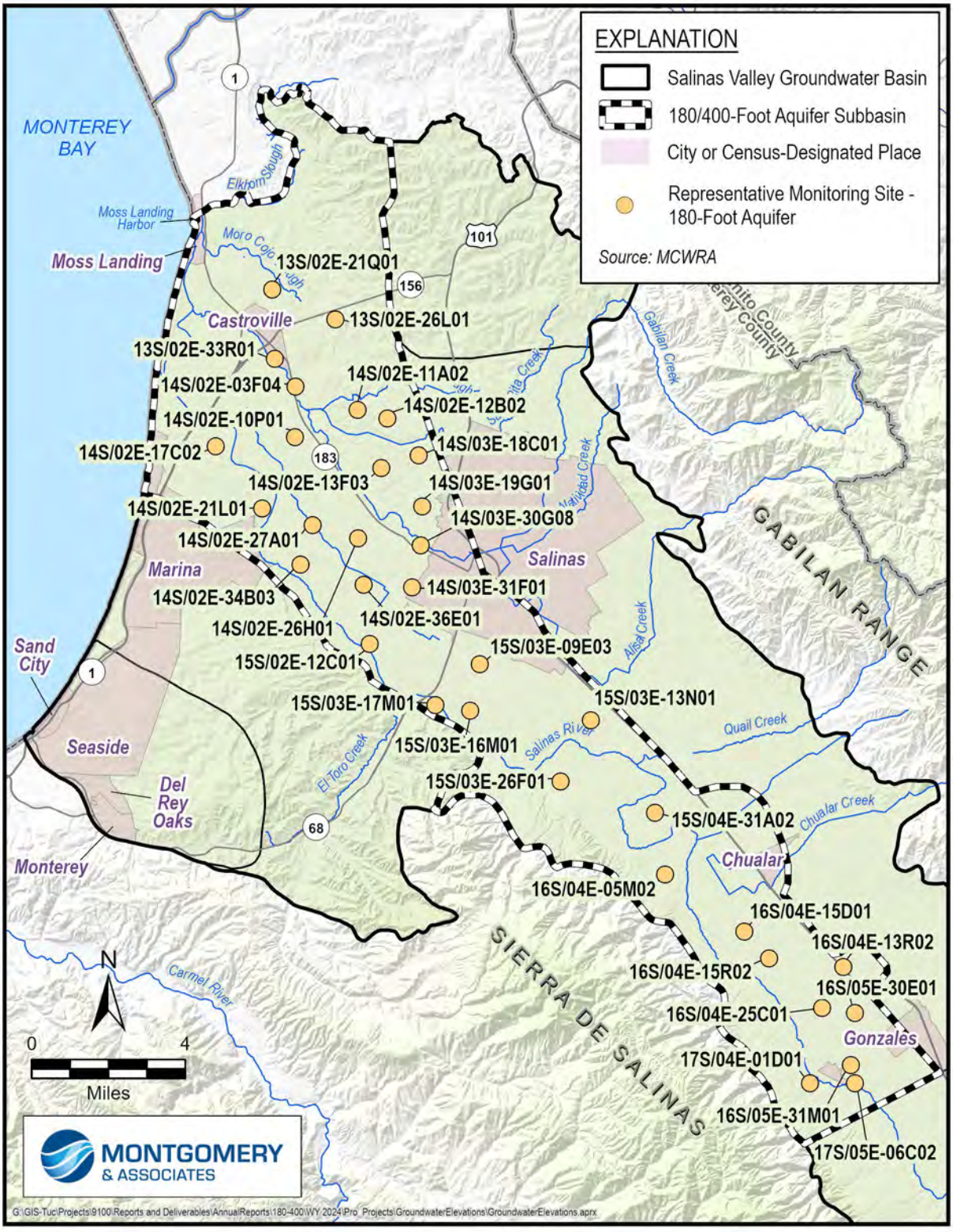


Figure 3-3. Locations of Representative Groundwater Elevation Monitoring Sites in the 180-Foot Aquifer

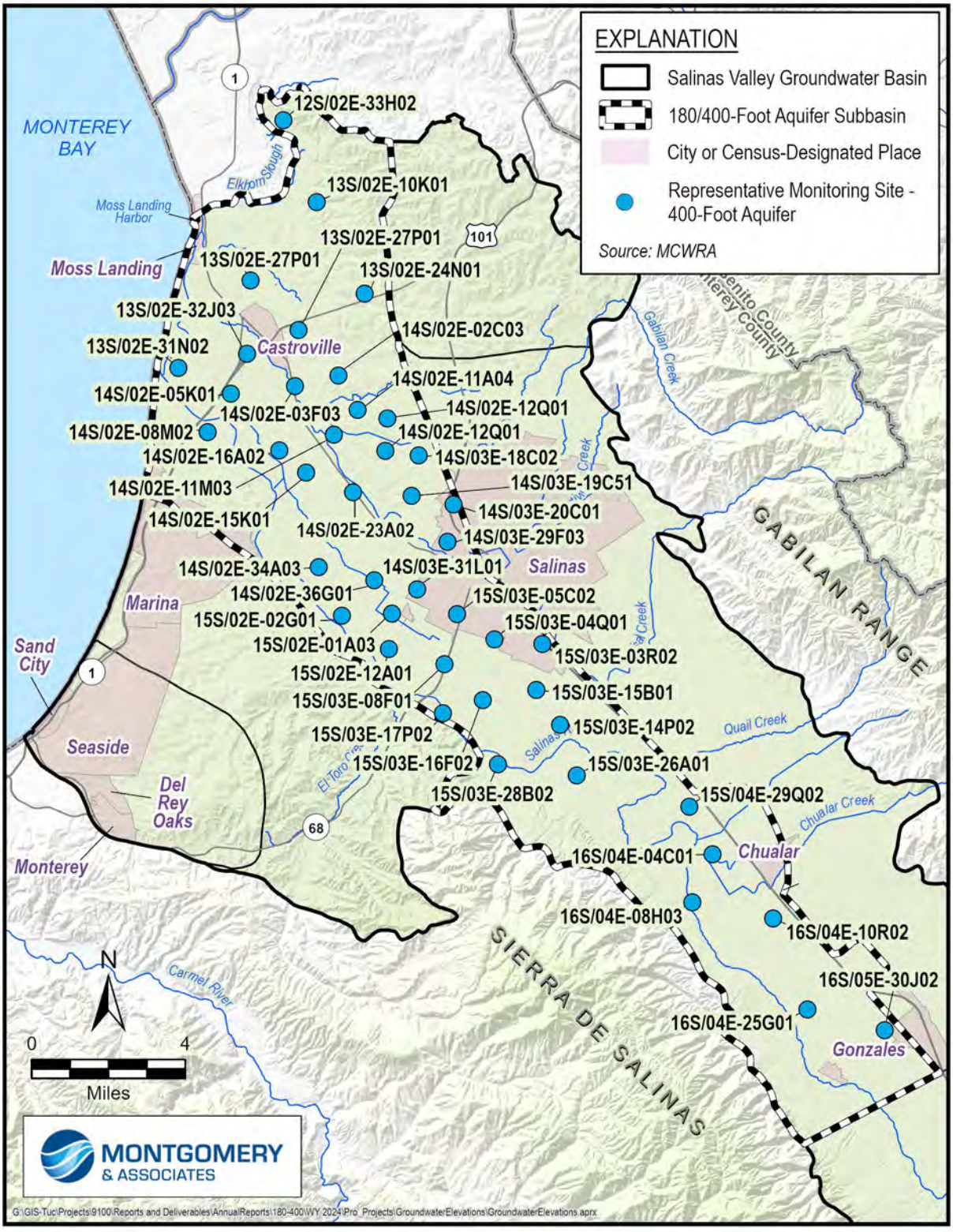


Figure 3-4. Locations of Representative Groundwater Elevation Monitoring Sites in the 400-Foot Aquifer

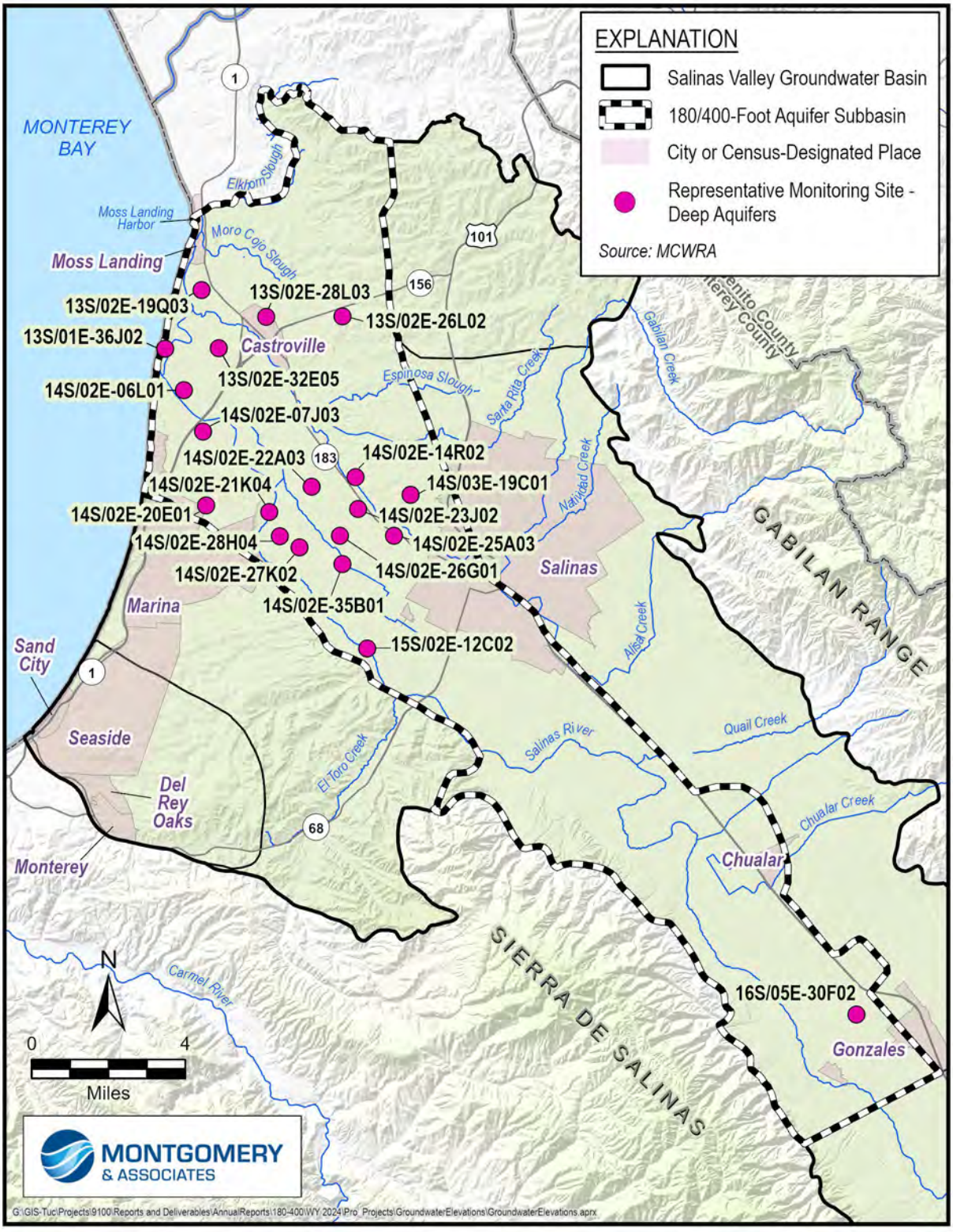


Figure 3-5. Locations of Representative Groundwater Elevation Monitoring Sites in the Deep Aquifers

Table 3-5 provides a summary of annual changes in groundwater elevations per aquifer. From WY 2023 to WY 2024, groundwater elevations mainly rose in the 180-Foot, 400-Foot, and Deep Aquifers. In the 180-Foot Aquifer, 27 of the 34 RMS wells had a rise in groundwater elevations from fall 2023 to fall 2024. Two RMS wells in the 180-Foot Aquifer were not sampled during fall 2024. In the 400-Foot Aquifer, 27 of the 44 RMS wells had a rise in groundwater elevations from fall 2023 to fall 2024, while 2 wells remained stable. Four wells in the 400-Foot Aquifer were not sampled during fall 2024. In the Deep Aquifers, 10 of the 20 RMS wells had a rise in groundwater elevations from fall 2023 to fall 2024. Seven Deep Aquifers RMS wells were not sampled during fall 2024. Across the entire Subbasin, groundwater elevations rose in 64 wells, declined in 19 wells, and were stable in 2 wells; 13 wells were not measured in either fall 2023 or 2024. On average across all principal aquifers, groundwater elevations rose by about 1.7 feet with a range of -9.0 to 35.7 feet.

WY 2024 groundwater elevation data per well are presented in Table 3-6. In accordance with the 2020 GSP and GSP Amendment 1, 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 3-6 lists the approximate annual change in groundwater levels for the RMS wells that are shown on Figure 3-6. The annual change was calculated from fall 2023, which followed a wet year, to fall 2024, which was after a wet-normal year.

Table 3-5. Summary of Annual Groundwater Elevation Changes per Aquifer

	180-Foot Aquifer	400-Foot Aquifer	Deep Aquifers	Whole Subbasin
Average annual change in groundwater elevations (feet)	1.5	1.2	3.4	1.7
Lowest annual change in groundwater elevations (feet)	-3.9	-9.0	-6.7	-9.0
Highest annual change in groundwater elevations (feet)	5.2	8.9	35.7	35.7
Wells with rise in groundwater elevations	27	27	10	64
Wells with declines in groundwater elevations	5	11	3	19
Wells without measurement in fall 2023 or 2024	2	4	7	13

Table 3-6. Groundwater Elevation Data

Monitoring Site	August 2024 Groundwater Elevation	Fall 2024 Groundwater Elevation	Annual Change (Fall 2023 to Fall 2024)
180-Foot Aquifer			
13S/02E-21Q01	0.9	2.3	0.8
13S/02E-26L01	3.5	3.3	0.7
13S/02E-33R01	Not Sampled	Not Sampled	N/A
14S/02E-03F04	-7.0	-1.0	2.3
14S/02E-10P01	-7.8	-8.2	-0.2
14S/02E-11A02	-9.9	-3.5	2.0
14S/02E-12B02	-12.6	-2.7	4.5
14S/02E-13F03	-13.7	-0.6	1.9
14S/02E-17C02	3.1	5.5	1.0
14S/02E-21L01	-10.4	-4.3	-0.1
14S/02E-26H01	-19.9	-0.2	5.2
14S/02E-27A01	-19.2	-4.3	4.5
14S/02E-34B03	Not Sampled	-10.6	0.2
14S/02E-36E01	-20.4	-10.1	1.0
14S/03E-18C01	15.3	18.2	2.9
14S/03E-19G01	-19.3	-8.5	0.5
14S/03E-30G08	Not Sampled	Not Sampled	N/A
14S/03E-31F01	-14.8	-0.2	2.1
15S/02E-12C01	-14.8	-6.3	0.9
15S/03E-09E03	-14.0	-6	-3.3
15S/03E-13N01	Not Sampled	-0.8	1.2
15S/03E-16M01	-9.2	5.8	3.3
15S/03E-17M01	Not Sampled	0.6	-3.9
15S/03E-26F01	6.3	11.4	-1.0
15S/04E-31A02	Not Sampled	29.6	0.1
16S/04E-05M02	37.1	40.3	4.0
16S/04E-13R02	53.3	72.4	4.0
16S/04E-15D01	55.7	58.7	2.4
16S/04E-15R02	69.4	69.5	2.1
16S/04E-25C01	Not Sampled	80.1	1.8
16S/05E-30E01	Not Sampled	85.2	2.8
16S/05E-31M01	85.7	91.2	1.1
17S/04E-01D01	89.0	90.1	1.1
17S/05E-06C02	96.3	96.1	2.9
400-Foot Aquifer			
12S/02E-33H02	14.1	-3.2	-0.6
13S/02E-10K01	-14.3	-4.3	0.4
13S/02E-21N01	-13.7	-0.4	4.0
13S/02E-24N01	-3.0	-2	-1.0

Monitoring Site	August 2024 Groundwater Elevation	Fall 2024 Groundwater Elevation	Annual Change (Fall 2023 to Fall 2024)
13S/02E-27P01	-52.3	-19.4	5.9
13S/02E-31N02	-7.9	2	1.3
13S/02E-32J03	-14.1	-0.5	3.6
14S/02E-02C03	-57.4	-29.7	-2.7
14S/02E-03F03	-43.6	-10.7	5.4
14S/02E-05K01	Not Sampled	-7.8	-0.4
14S/02E-08M02	-12.5	-1	3.2
14S/02E-11A04	-59.8	-21.6	5.0
14S/02E-11M03	-46.7	-23.3	-1.4
14S/02E-12B03	-60.3	-23.0	8.9
14S/02E-12Q01	Not Sampled	0	2.4
14S/02E-16A02	-25.7	-11.4	-1.0
14S/02E-15K01	-30.8	-14.9	0.1
14S/02E-23A02	-39.5	-20.3	0.7
14S/03E-19C51	Not Sampled	-28.6	0.4
14S/02E-34A03	-23.8	-5.7	3.0
14S/02E-36G01	Not Sampled	-8.6	3.6
14S/03E-18C02	-30.7	Not Sampled	N/A
14S/03E-20C01	-72.0	-42	-2.0
14S/03E-29F03	-36.0	-23	-9.0
14S/03E-31L01	-24.0	-6	0.0
15S/02E-01A03	-26.5	-12.1	0.1
15S/02E-02G01	-24.2	-13.1	1.6
15S/02E-12A01	-23.3	-12.2	-5.2
15S/03E-03R02	-19.0	-3	0.0
15S/03E-04Q01	-18.0	-4	-3.0
15S/03E-05C02	Not Sampled	-10	N/A
15S/03E-08F01	Not Sampled	Not Sampled	N/A
15S/03E-14P02	-15.6	3.1	0.3
15S/03E-15B01	-17.5	0.2	-2.5
15S/03E-16F02	Not Sampled	7	5.5
15S/03E-17P02	-27.0	-8	3.0
15S/03E-26A01	-1.3	10.5	0.2
15S/03E-28B02	-16.1	-0.1	6.0
15S/04E-29Q02	21.1	30.5	3.0
16S/04E-04C01	38.3	42.6	1.4
16S/04E-08H03	45.7	49.8	2.7
16S/04E-10R02	Not Sampled	56.5	3.1
16S/04E-25G01	Not Sampled	75.7	1.2
16S/05E-30J02	84.4	85.7	N/A
Deep Aquifers			

Monitoring Site	August 2024 Groundwater Elevation	Fall 2024 Groundwater Elevation	Annual Change (Fall 2023 to Fall 2024)
13S/01E-36J02	Not Sampled	-10.2	1.5
13S/02E-19Q03	Not Sampled	-9.1	1.1
13S/02E-28L03	-39.3	-36.1	-6.5
13S/02E-32E05	-18.2	-14.8	0.8
14S/02E-06L01	Not Sampled	-12.6	0.7
14S/02E-20E01	-34.8	-29.1	1.5
14S/02E-22A03	-121.1	-54.5	35.7
14S/02E-07J03	Not Sampled	-9.7	3.9
14S/02E-14R02	-95.4	-33.6	N/A
14S/02E-21K04	-54.0	-32.5	2.4
14S/02E-23J02	-103.0	-44.1	N/A
14S/02E-25A03	-92.9	-36.7	-6.7
14S/02E-26G01	-95.3	-29.7	N/A
14S/02E-27K02	Not Sampled	-45.2	5.8
14S/02E-28H04	-92.6	-59.3	-2.2
14S/02E-35B01	-93.1	-38.6	N/A
14S/03E-19C01	Not Sampled	-47.5	6.7
15S/02E-12C02	-60.6	Not Sampled	N/A
16S/05E-30F02	-12.6	Not Sampled	N/A
13S/02E-26L02	-70.0	Not Sampled	N/A

In feet, NAVD88

*Groundwater elevation is estimated.

Note: “N/A” indicates that a fall groundwater elevation was not taken in either WY 2023 or WY 2024.

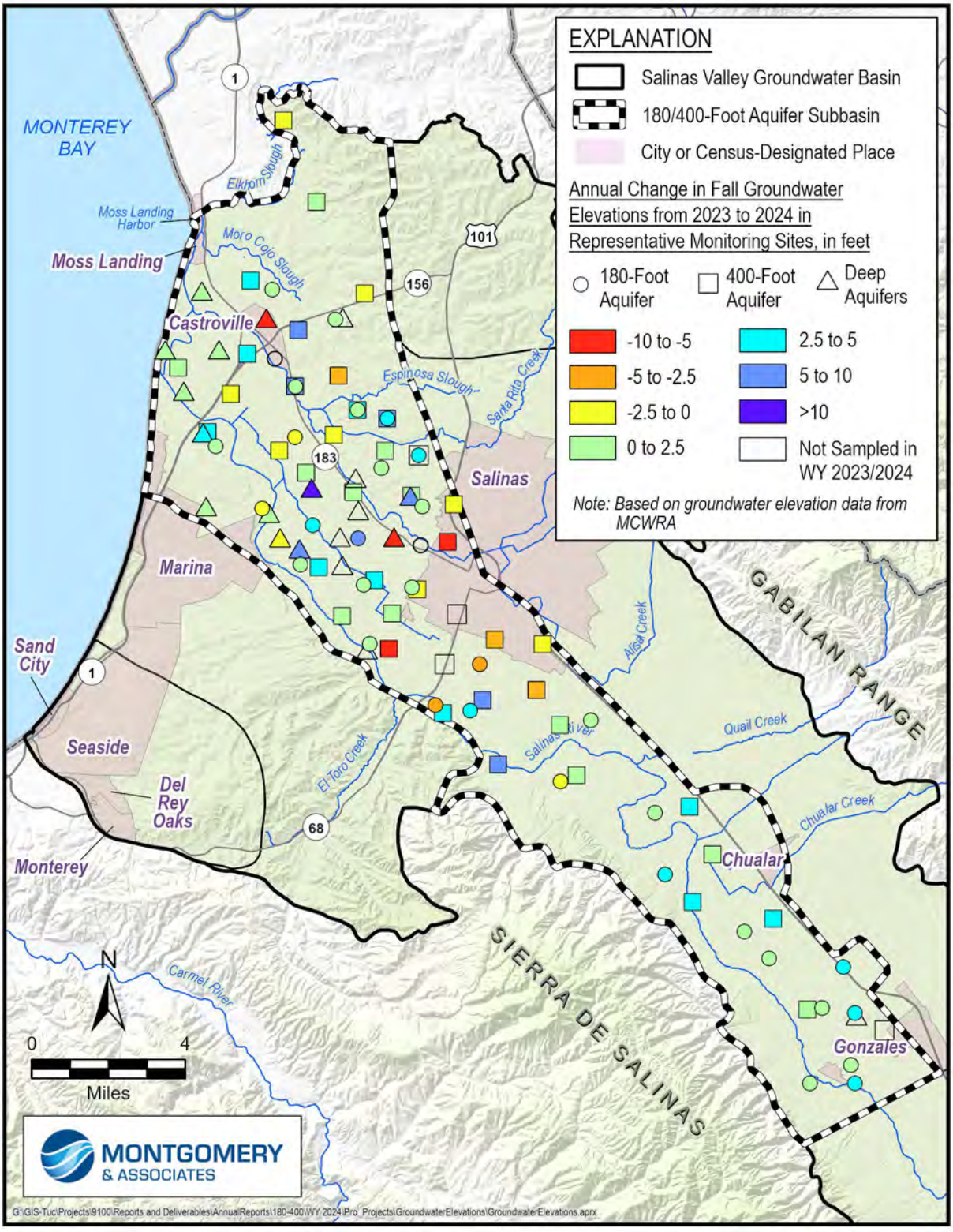


Figure 3-6. Annual Change in Fall Groundwater Elevations in Representative Monitoring Sites

3.2.1 Groundwater Elevation Contours

SVBGSA received groundwater elevation contour maps from MCWRA for the 180/400 Subbasin for August and fall 2024. Where necessary, groundwater contours were adapted using groundwater elevation data from MCWRA. The August contours represent seasonal low conditions. 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 180-Foot Aquifer are shown on Figure 3-7 and Figure 3-8, respectively. These figures show a groundwater depression trending toward the City of Salinas roughly from the west. This depression is related to a pumping trough northeast of Salinas in the Eastside Subbasin. In this area, groundwater flow gradients are not parallel to the Valley's long axis but rather are cross-valley toward the pumping trough in the Eastside Subbasin. The pumping trough is more pronounced in August than in the fall due to the seasonal groundwater pumping trends in the Basin. In the fall contours, the northeastern depression is still present. The contours show that during both the August and fall measurements, groundwater levels near the coast were at approximately sea level.

Groundwater elevation contours for seasonal low and high groundwater conditions in the 400-Foot Aquifer are shown on Figure 3-9 and Figure 3-10, respectively. Similar to the overlying 180-Foot Aquifer, the contours for the 400-Foot Aquifer indicate that groundwater flow directions are trending toward the pumping trough at the City of Salinas during both seasonal low and seasonal high conditions. An additional pumping depression exists during seasonal high conditions near the border with the Ord Area of the Monterey Subbasin. Groundwater elevations in the 400-Foot Aquifer are lower than groundwater elevations in the 180-Foot Aquifer.

This Annual Report is the first to include groundwater elevations contours for the Deep Aquifers in the 180/400 Subbasin. The MCWRA does not produce groundwater elevation maps of the Deep Aquifers. However, groundwater elevation point data from MCWRA, along with data from Marina Coast Water District (MCWD), Monterey Peninsula Water Management District (MPWMD), and the Seaside Watermaster, were used to create contours for the Deep Aquifers. Figure 3-11 and Figure 3-12 show the groundwater elevation contours for the seasonal low and high groundwater conditions in the Deep Aquifers, respectively. Like the overlying aquifers, groundwater flow gradients are parallel to the Valley's long axis in the southern half of the Subbasin. Groundwater flows toward a depression west of the City of Salinas where most of the large agricultural pumping wells are located. The Deep Aquifers comprise multiple formations,

which can lead to differences in groundwater elevations in wells that are in proximity. However, most wells are screened across multiple formations so only 1 set of contours were created for the Deep Aquifers in 180/400 Subbasin. In the Monterey Subbasin, contours are drawn separately for the upper and lower portions of the Deep Aquifers. Figure 3-11 and Figure 3-12 include the contours for the upper Deep Aquifers in the Monterey Subbasin. The upper Deep Aquifers consist of the lower Paso Robles Formation while the lower Deep Aquifers consist of the Purisima Formation or Santa Margarita Sandstone.

Contours are not extended across all portions of the Subbasin due to data limitations; this is a data gap that will be addressed during GSP implementation.

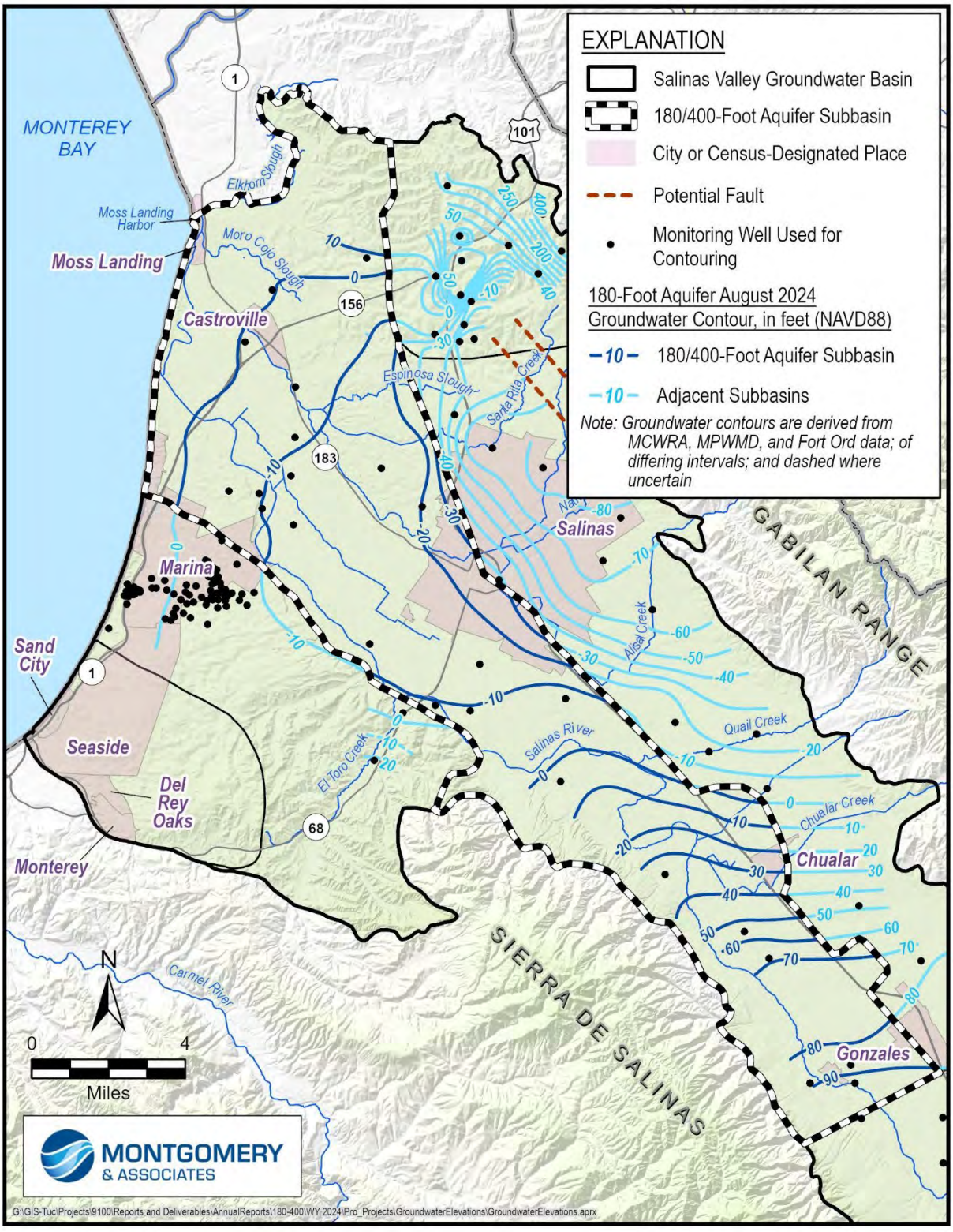


Figure 3-7. 180-Foot Aquifer Seasonal Low Groundwater Elevation Contour Map

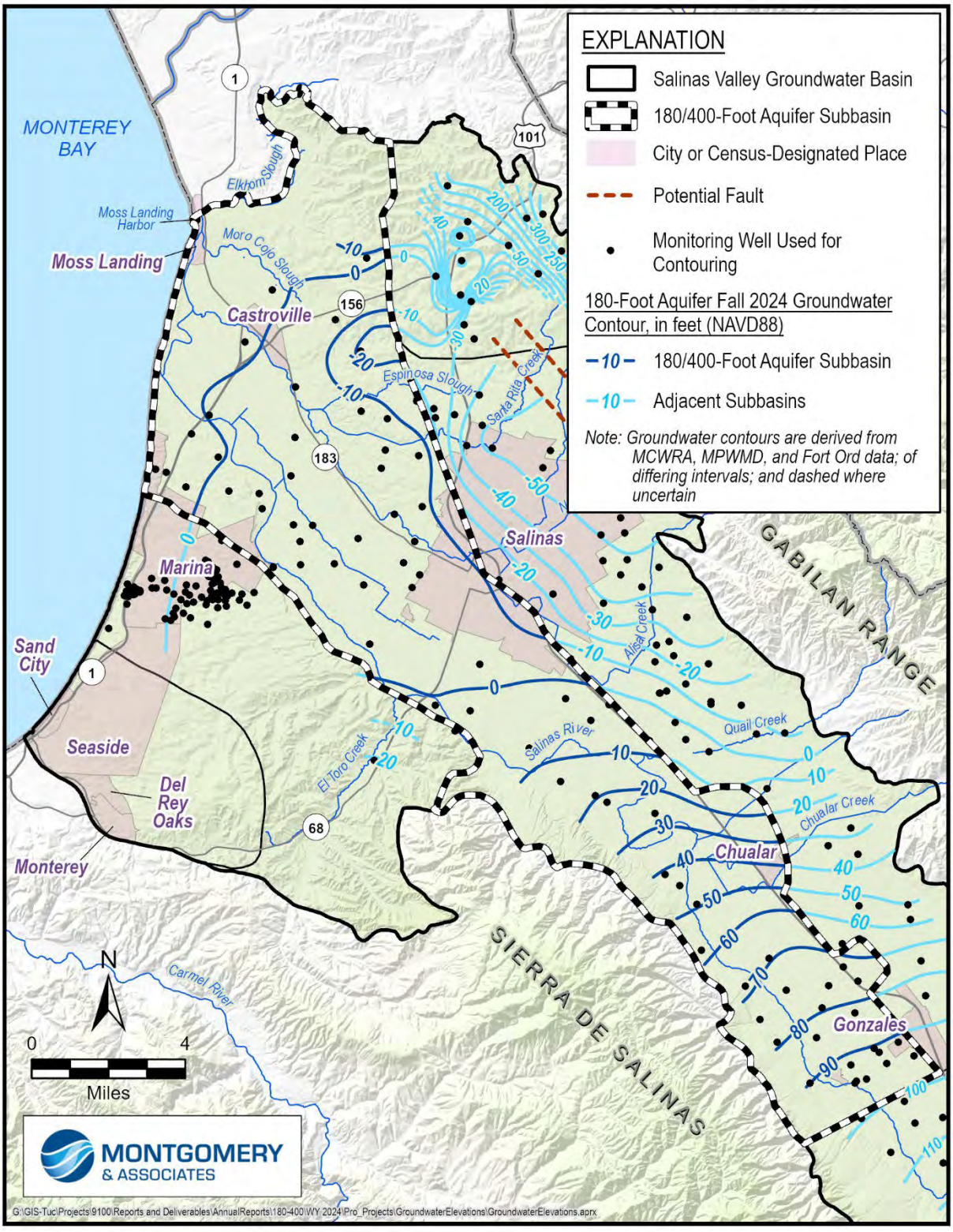


Figure 3-8. 180-Foot Aquifer Seasonal High Groundwater Elevation Contour Map

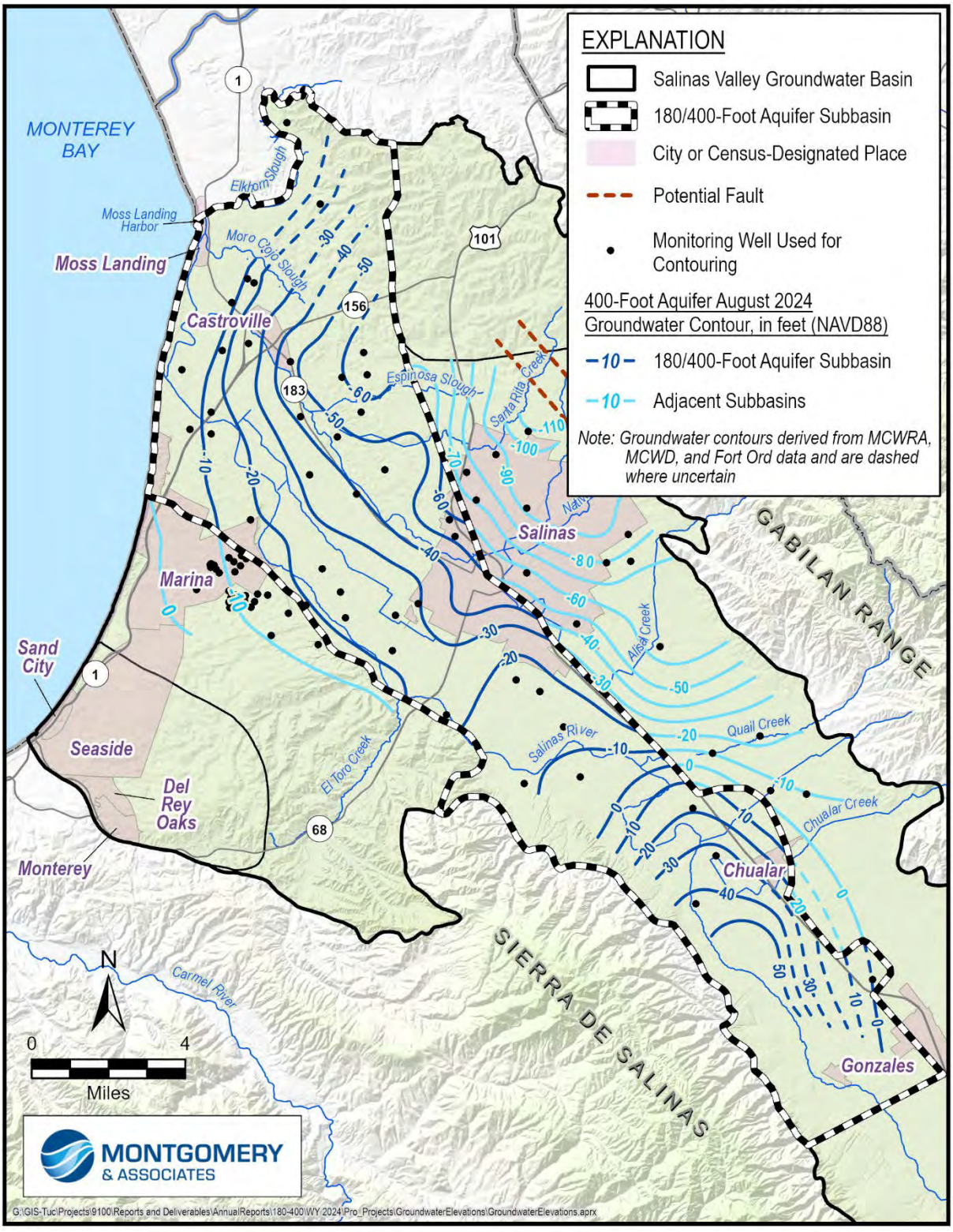


Figure 3-9. 400-Foot Aquifer Seasonal Low Groundwater Elevation Contour Map

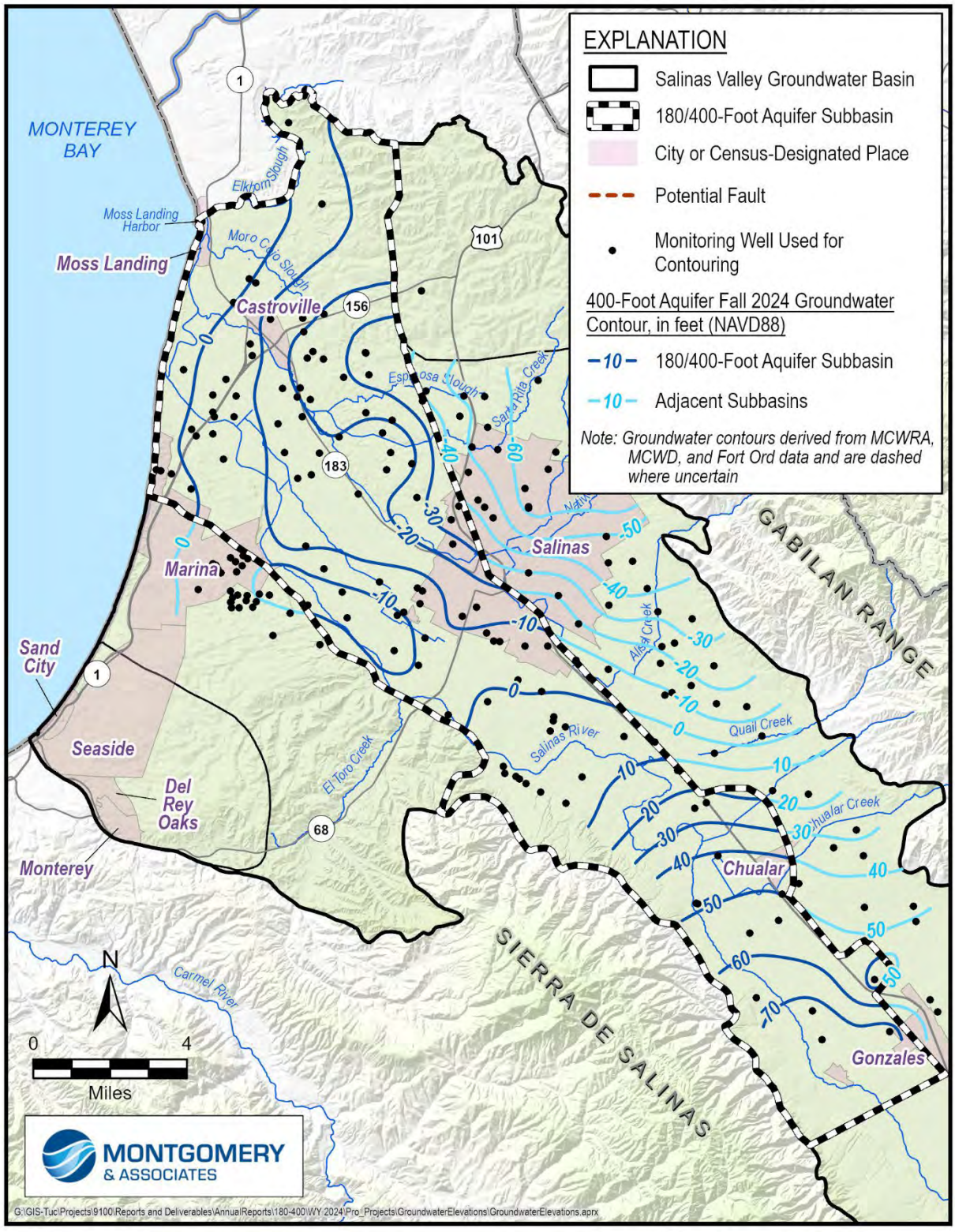


Figure 3-10. 400-Foot Aquifer Seasonal High Groundwater Elevation Contour Map

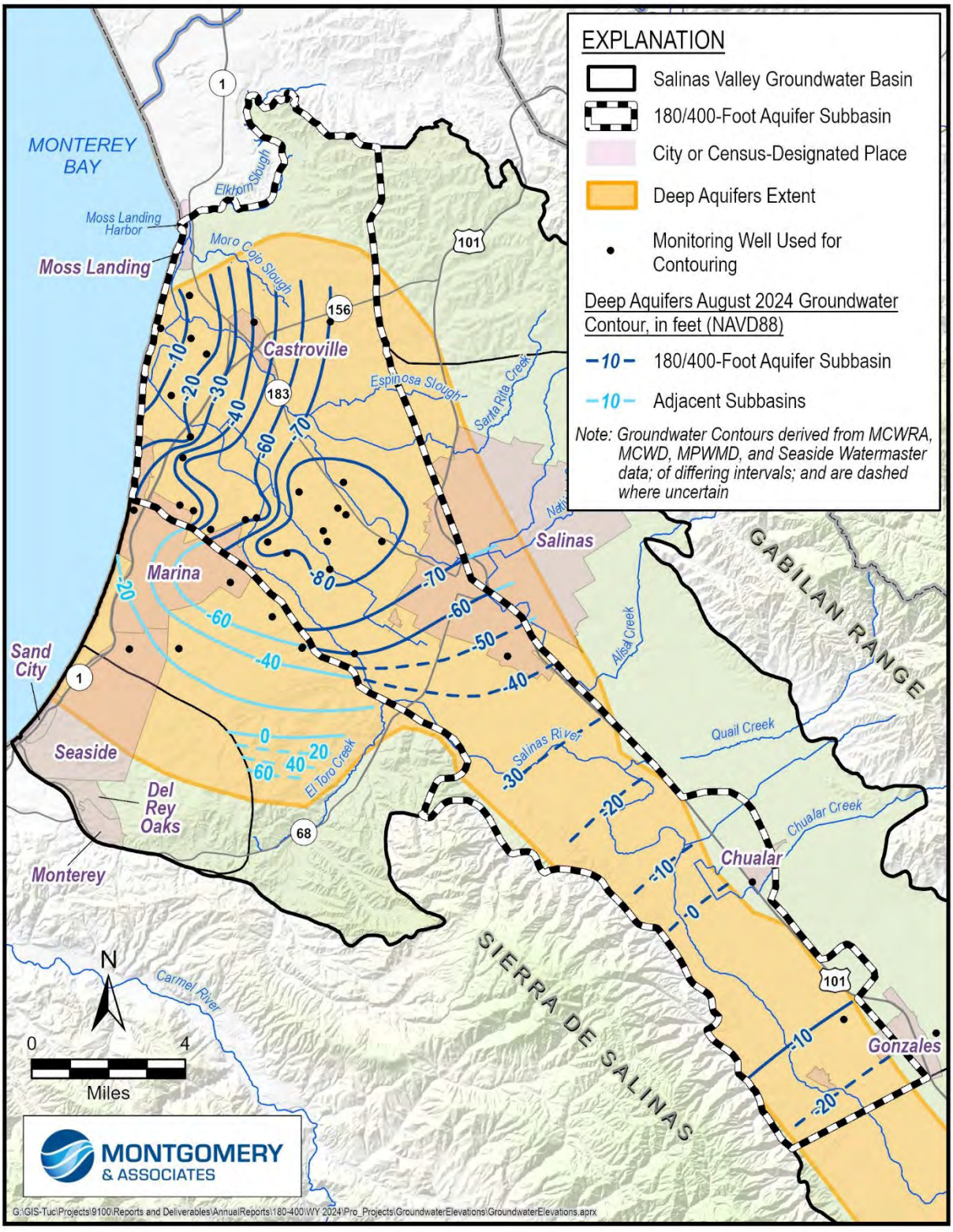


Figure 3-11. Deep Aquifers Seasonal Low Groundwater Elevation Contour Map

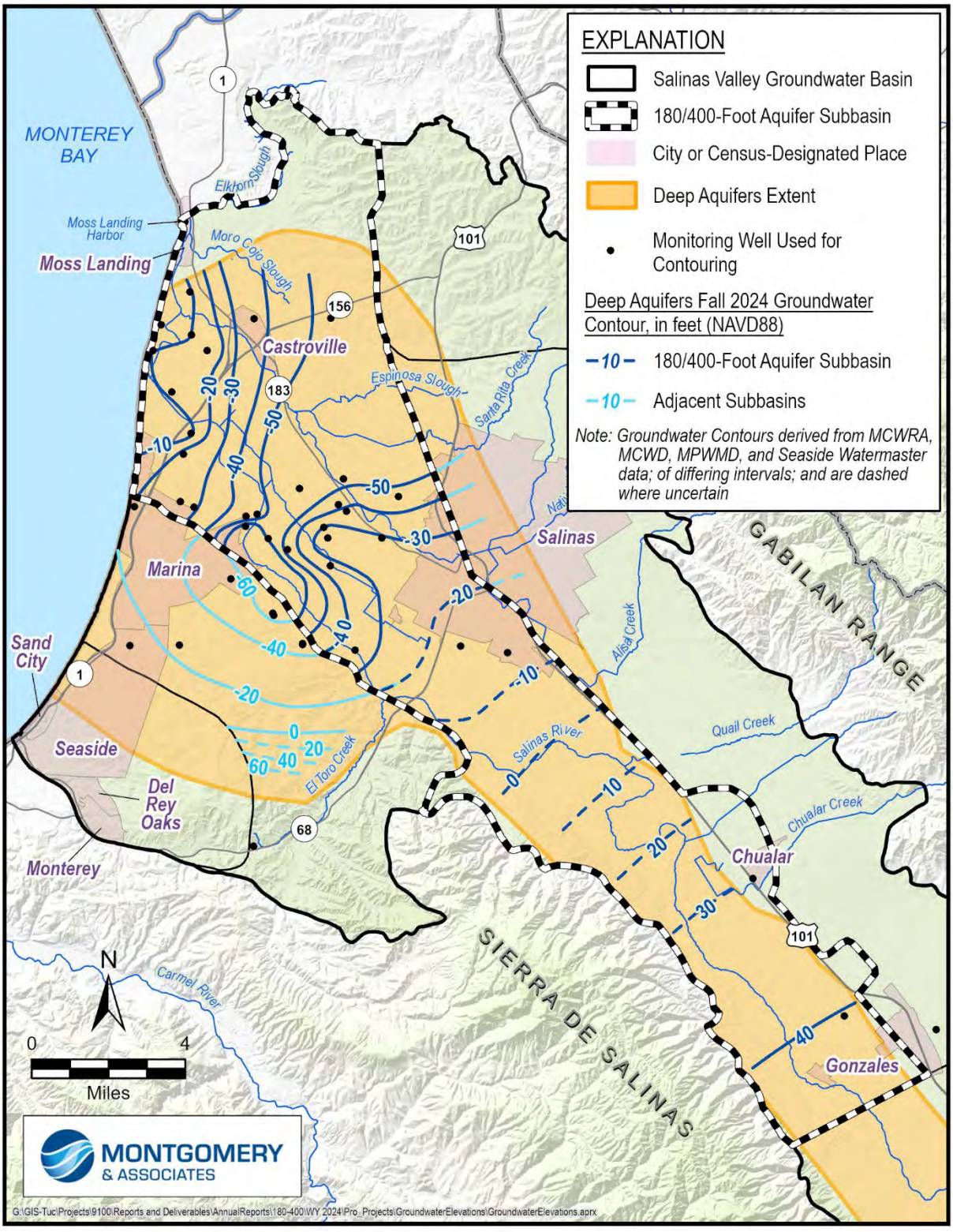


Figure 3-12. Deep Aquifers Seasonal High Groundwater Elevation Contour Map

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 180-Foot, 400-Foot, and Deep Aquifers are shown on Figure 3-13 through Figure 3-15, respectively. These hydrographs were selected to show characteristic trends in groundwater elevations in each aquifer. The hydrographs indicate that groundwater elevations in the 180-Foot and 400-Foot Aquifers have generally declined throughout the Subbasin since 2019. However, during the wetter conditions of WY 2024—which generally increased recharge—groundwater elevations rose in most wells that were measured in the 180-Foot and 400-Foot Aquifers. Groundwater elevations in the Deep Aquifers have mainly declined for the last 2 decades but rose in half of the RMS wells during WY 2024. Observed groundwater elevation increases in the Deep Aquifers such as this are more likely the result of decreased extractions, rather than an indication of recharge. Hydrographs for all RMS wells are included in Appendix B.

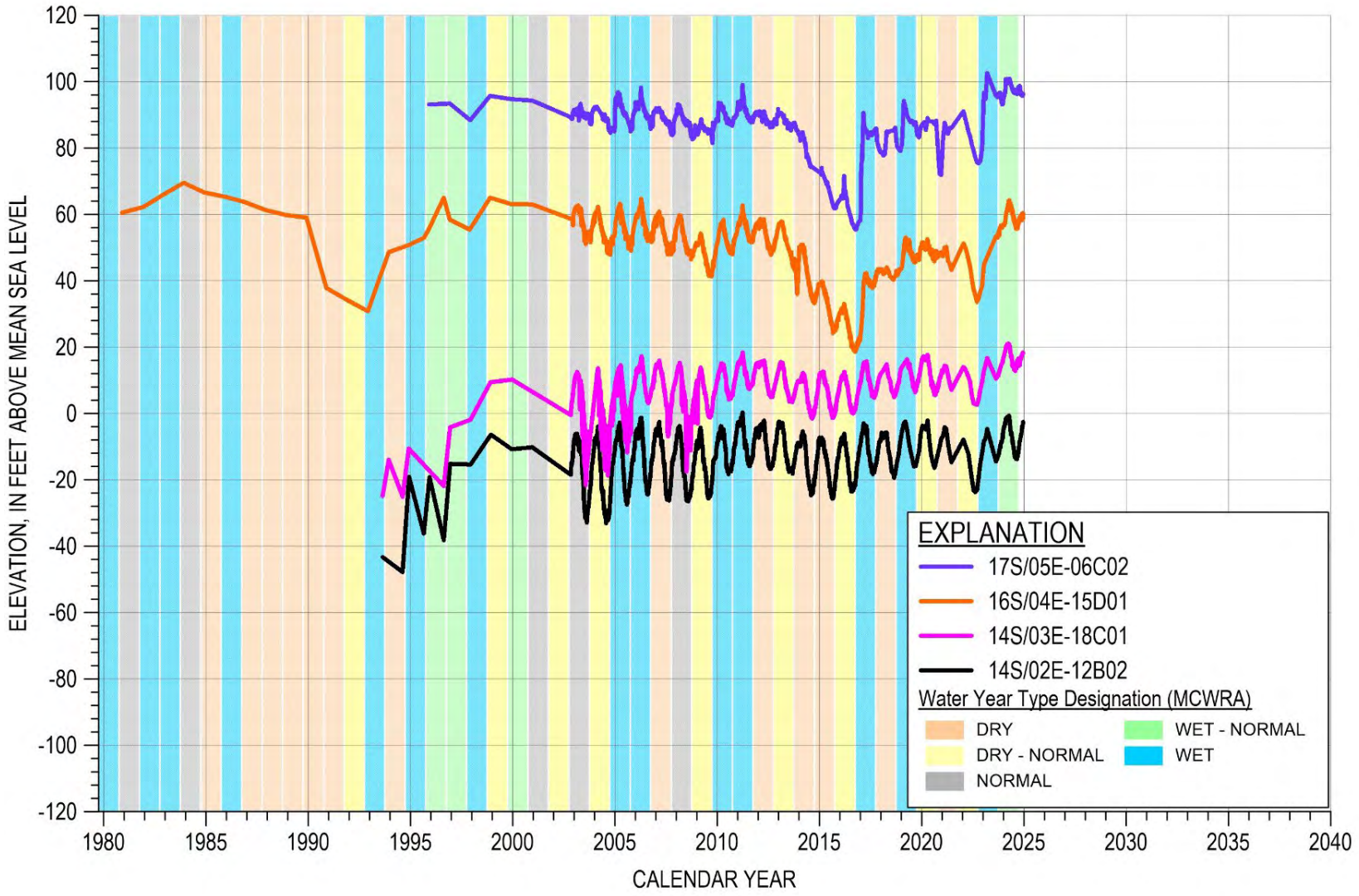


Figure 3-13. Groundwater Elevation Hydrographs for Selected Monitoring Wells in 180-Foot Aquifer

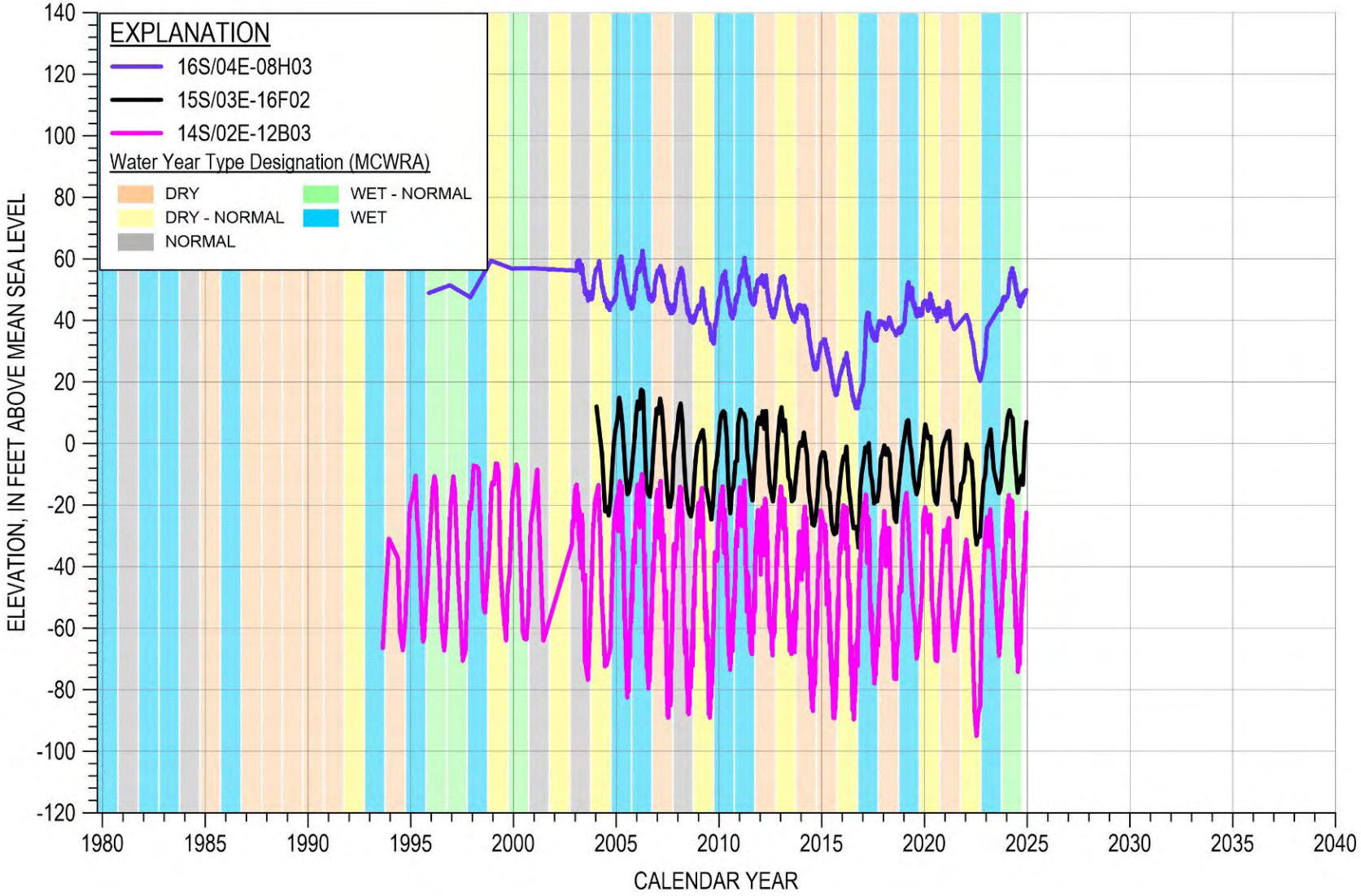


Figure 3-14. Groundwater Elevation Hydrographs for Selected Monitoring Wells in 400-Foot Aquifer

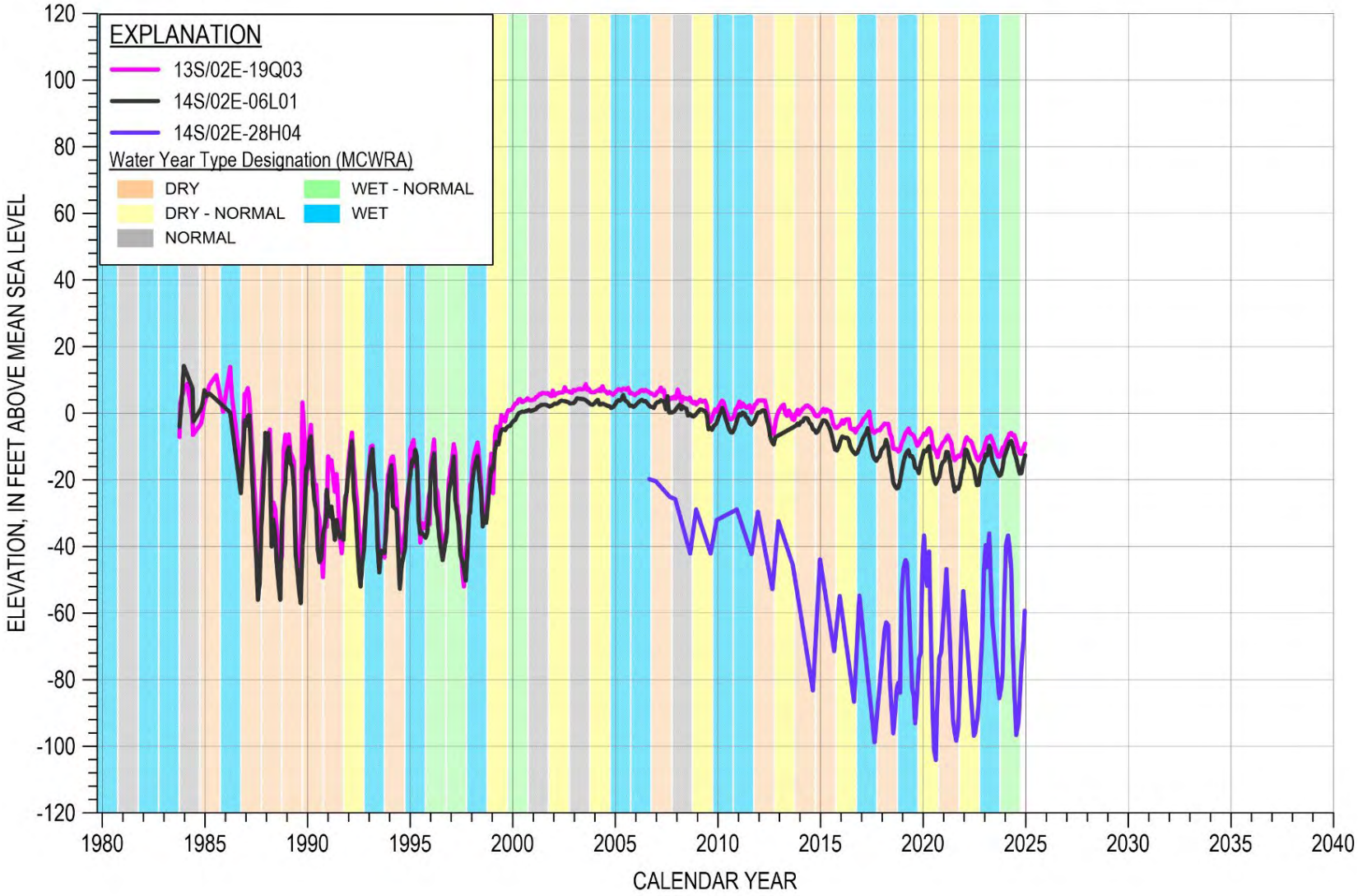


Figure 3-15. Groundwater Elevation Hydrograph for Selected Monitoring Well in Deep Aquifers

3.3 Seawater Intrusion

MCWRA annually prepares contours of seawater intrusion for the 180/400 Subbasin and the adjacent Monterey Subbasin. Figure 3-16 and Figure 3-17 show the extents of seawater intrusion through time in the 180-Foot and 400-Foot Aquifers, respectively, for the 180/400 Subbasin. The mapped extent of seawater intrusion is based on the 500 milligram per liter (mg/L) chloride isocontour. These figures also show the 2024 250 mg/L extents for both the 180-Foot and 400-Foot Aquifers. The 250 mg/L chloride extent is much more extensive and provides an early warning of seawater intrusion; particularly, for the City of Salinas where the 250 mg/L chloride extent has reached its western boundary in the 180-Foot Aquifer and is only 990 feet away in the 400-Foot Aquifer. The MCWRA seawater intrusion contours for the Monterey Subbasin are not included in these figures because there is limited chloride monitoring in the Monterey Subbasin; therefore, MCWD assesses seawater intrusion in the Monterey Subbasin through a different methodology.

During WY 2024, the mapped extent of seawater intrusion in the 180-Foot Aquifer remained the same as WY 2023 as shown on Figure 3-16. In the 400-Foot Aquifer seawater intrusion continued to advance along the southwestern front of the seawater intrusion island as highlighted by the red area on Figure 3-17. August 2024 groundwater elevations in these areas of the 180-Foot and 400-Foot Aquifers remain below sea level. Although seawater intrusion continued to advance in the 400-Foot Aquifer, the annual change in acreage of land overlying the mapped seawater intrusion extent decreased from 29 acres in WY 2023 to only 6 acres in WY 2024. This could be due to decreased pumping and groundwater elevations rising during the wetter conditions that occurred during WY 2023 and WY 2024. Despite the slow advancement of the seawater intrusion front compared to historical years in the 180-Foot and 400-Foot Aquifers, seawater intrusion persists in the Subbasin.

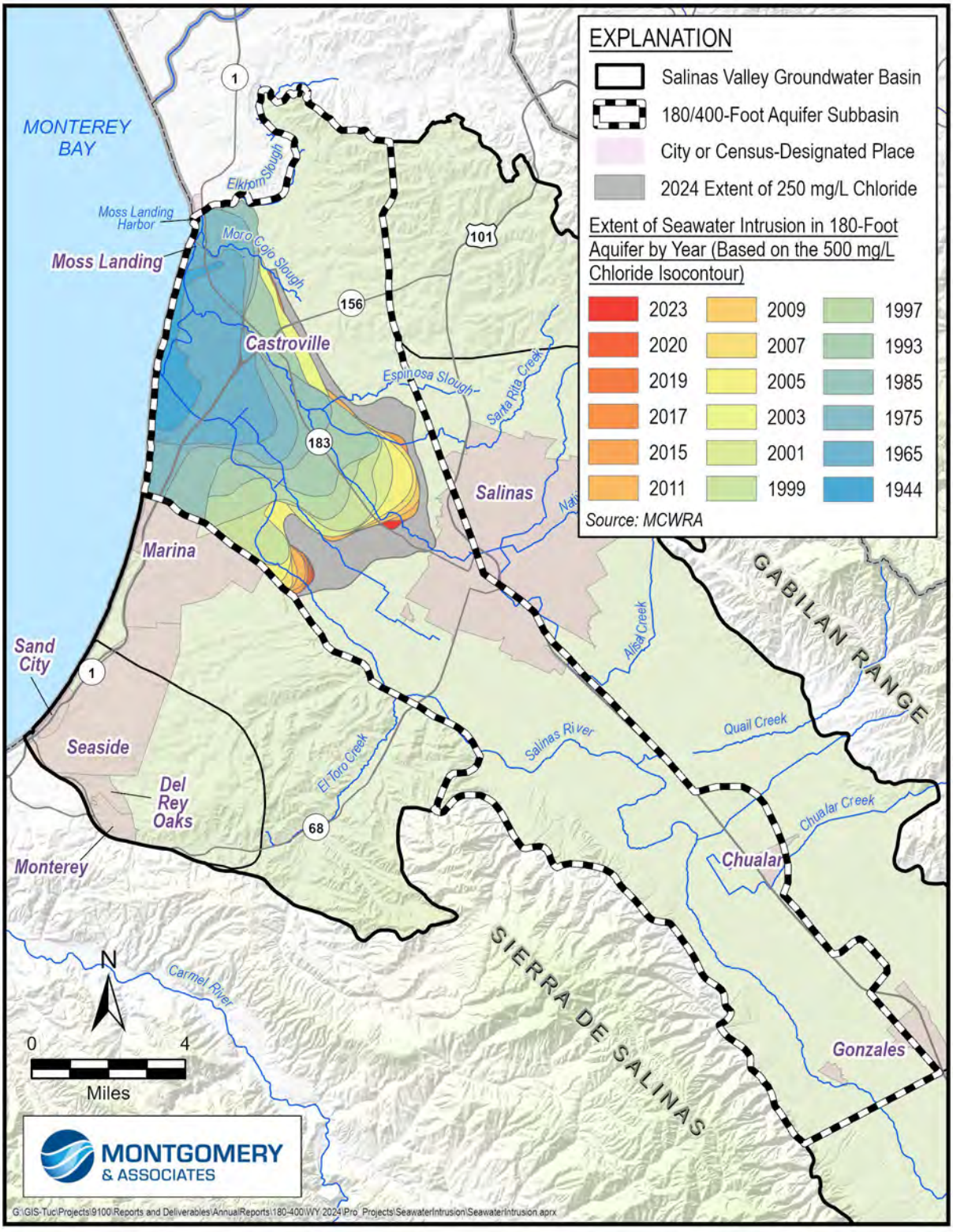


Figure 3-16. Seawater Intrusion Contours for the 180-Foot Aquifer

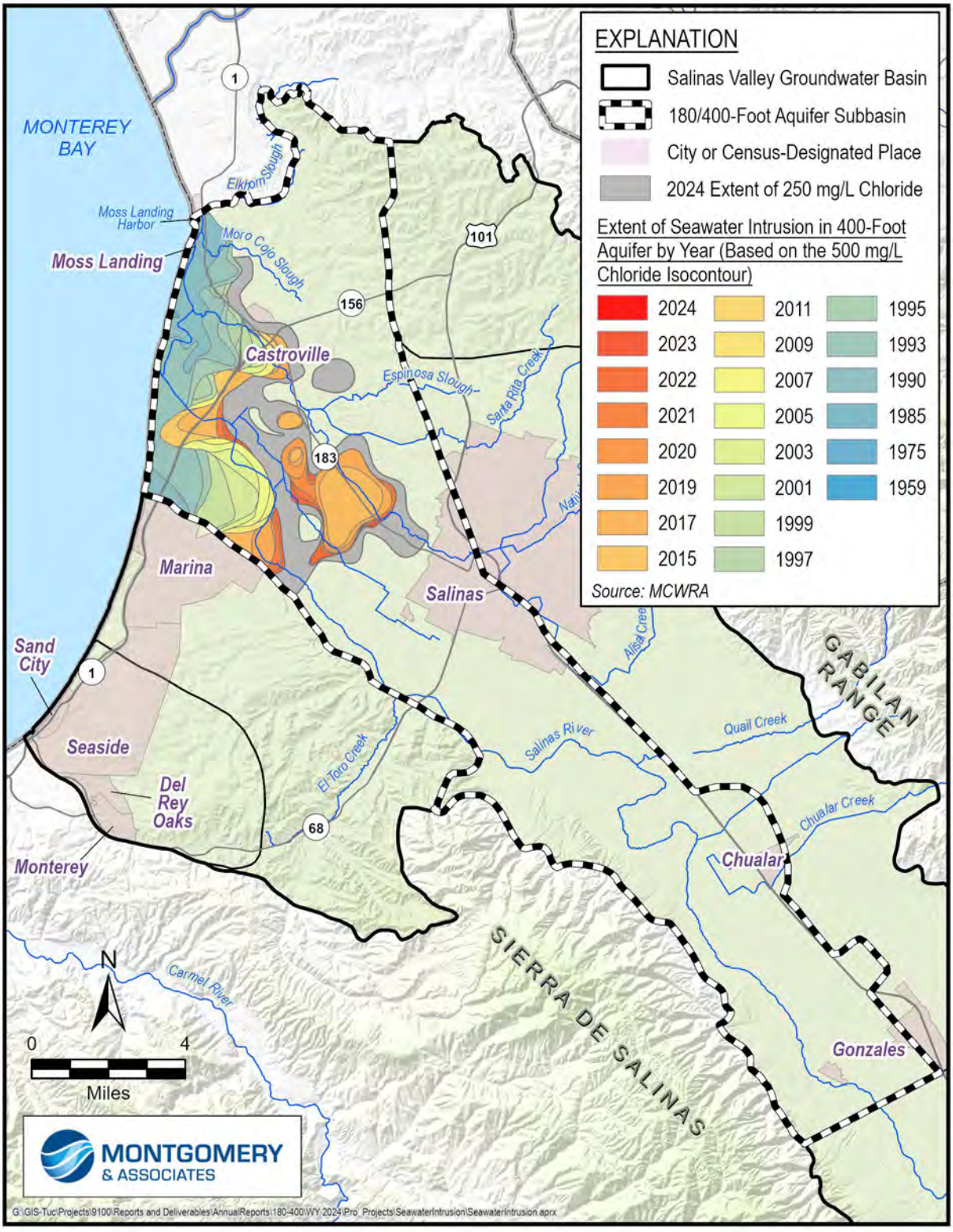


Figure 3-17. Seawater Intrusion Contours for the 400-Foot Aquifer

3.4 Change in Groundwater Storage

The Subbasin GSP adopted the concept of change in usable groundwater storage, defined as the annual average increase or decrease in groundwater that can be safely used for municipal, industrial, or agricultural purposes. Change in usable groundwater storage is the sum of change in storage due to groundwater elevation changes and the change in storage due to seawater intrusion. The change in storage due to groundwater elevations and the change in storage due to seawater intrusion are calculated separately. The 180/400 Subbasin has experienced declines in groundwater elevations, advancement of seawater intrusion, and loss of groundwater in storage on average over the past few decades. However, after this wet-normal year, groundwater elevations in many wells rose and groundwater in storage increased. This is expected during wet years and does not indicate a change in the overall downward trend.

3.4.1 Change in Groundwater Storage due to Groundwater Elevation Changes

The change in groundwater storage due to change in groundwater elevations is only calculated for the portion of the Subbasin that is not seawater intruded. Change in groundwater elevations within the seawater intruded area is accounted for in the estimate for change in groundwater storage due to seawater intrusion described in Section 3.4.2. The observed groundwater elevation changes outside the seawater intruded area provide a measure of the amount of usable groundwater that has moved into and out of storage during each year, not accounting for seawater intrusion.

The storage change due to groundwater elevation changes is calculated by multiplying the annual change in groundwater elevation by a storage coefficient and the non-seawater intruded land area of the Subbasin. As described in Sections 5.2.2 and 8.6.2.1 of the GSP Amendment 1, the change in storage is calculated in 2 ways: (1) for individual aquifers and (2) for the Subbasin as a whole. GSP Regulations require that the change in storage is reported for individual principal aquifers in annual reports. However, to appropriately compare annual change in storage to the updated reduction in storage SMC in the GSP Amendment 1, a single calculation for the Subbasin is necessary.

Both approaches calculate average change in groundwater elevations in the Subbasin the same way, but they differ in how they calculate the storage coefficient and land area.

Annual Change in Average Groundwater Elevations: The annual change in average groundwater elevations is calculated using the fall groundwater elevation contours. Fall measurements occur at the end of the irrigation season and before groundwater levels rise due to seasonal recharge by winter rains. These measurements record annual changes in storage reflective of groundwater recharge and withdrawals in the Subbasin. Currently, MCWRA only

generates contours for the 180-Foot and 400-Foot Aquifers. SVBGSA produced contours for the Deep Aquifers.

Average annual change in groundwater elevations in the 180-Foot Aquifer in WY 2024 was estimated by subtracting the fall 2023 groundwater elevations shown on Figure 3-18 from the fall 2024 groundwater elevations (Figure 3-7). The spatially-estimated change in storage due to groundwater elevation changes across the 180-Foot Aquifer is depicted on Figure 3-19. Similarly, for the 400-Foot Aquifer, Figure 3-20 shows the fall 2023 groundwater elevation contours that are subtracted from the fall 2024 groundwater elevation contours (Figure 3-10) to calculate the spatially estimated change in storage due to groundwater elevation changes shown on Figure 3-21. Finally, for the Deep Aquifers, Figure 3-22 shows the fall 2023 groundwater elevation contours that are subtracted from the fall 2024 groundwater elevation contours (Figure 3-12) to calculate the spatially estimated change in storage due to groundwater elevation changes shown on Figure 3-23. The average change in groundwater elevations calculated this way is slightly different than those reported in Section 3.2, because it includes interpolated values. Most of the 180-Foot Aquifer experienced an increase in storage except for a small area near the corner where the 180/400 Subbasin meets the Langley and Eastside Subbasins. In the 400-Foot Aquifer, larger areas experienced a loss in storage. These areas are mainly surrounding Castroville and Gonzales. In the Deep Aquifers, the greatest loss in storage occurred around Castroville, while the greatest gain in storage occurred west of the City of Salinas. 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 and data.

For the Subbasin-wide calculation, the change in groundwater elevations from fall 2023 to fall 2024 are averaged together for all principal aquifers.

Storage Coefficient: To calculate the change in storage for individual aquifers, storage coefficients of 0.012, 0.005, and 0.02 for the 180-Foot, 400-Foot, and Deep Aquifers, respectively, are used. The storage coefficients for the 180-Foot and 400-Foot Aquifers are derived from specific storage estimates specified in the Salinas Valley Integrated Hydrologic Model (SVIHM[1]), a provisional groundwater model under development by the USGS, multiplied by the average approximate thickness of each aquifer. The storage coefficient for the Deep Aquifers was developed using specific storage estimates from the Seawater Intrusion Model weighted by the average thickness of the Lower Paso Robles and Purisima Formation layers. Although the Deep Aquifers are confined, it has the largest storage coefficient because it is the

[1] These data (model and/or model results) are preliminary or provisional and are subject to revision. This model and model results are being provided to meet the need for timely best science. The model has not received final approval by the USGS. No warranty, expressed or implied, is made by USGS or the U.S. Government as to the functionality of the model and related material nor shall the fact of release constitute any such warranty. The model is provided on the condition that neither USGS nor the U.S. Government shall be held liable for any damages resulting from the authorized or unauthorized use of the model.

thickest of the principal aquifers in the Subbasin. These storage coefficients are likely to change when the SVIHM is finalized as part of the 2027 GSP Periodic Evaluation.

To calculate the total change in storage for the Subbasin as a whole, a storage coefficient of 0.078 is used, which is considered reflective of all aquifers, including the shallow unconfined sediments and the unconfined portions of the 180-Foot Aquifer, which would have higher storage coefficients than the confined aquifers. This number is an average of the storage coefficient of 0.036 for the Pressure Subarea from Monterey County's *State of the Basin Report* (Brown and Caldwell, 2015) and the initial specific yield estimate of 0.12 used in the SVIHM for the unconfined portions of the Subbasin.

Non-Seawater Intruded Land Area: The area for the aquifer-specific calculation was determined by subtracting the 2024 seawater intruded area from the area of the contoured portion of the 180-Foot and 400-Foot Aquifer. For the Deep Aquifers, only the area of the Deep Aquifers extent that overlaps with the 180/400 Subbasin was used.

For the whole Subbasin calculation, the area was estimated by subtracting the total volume of seawater intruded groundwater from the total amount of water that can be held in storage above the bottom of the 400-Foot Aquifer. This volume was then divided by the depth to the bottom of the 400-Foot Aquifer to calculate an area. Calculating area in this manner accounts for the aquitards and shallow sediments, which hold some water and are factored into the whole subbasin storage coefficient of 0.078.

Annual Change in Storage Calculation: The components used for estimating change in groundwater storage due to groundwater elevation changes for the aquifer-specific approach are shown in Table 3-7. Similarly, Table 3-8 shows the components used for the Subbasin-wide approach. The storage gain due to changes in groundwater elevations using the aquifer-specific approach is 1,400 AF/yr in the 180-Foot Aquifer, 700 AF/yr in the 400-Foot Aquifer, and 8,400 AF/yr in the Deep Aquifers. The storage gain using the Subbasin-wide approach is approximately 18,400 AF/yr. The total storage change in the individual aquifers do not sum to the Subbasin-wide storage change. Most of the storage gain occurs in the shallow sediments above the 180-Foot Aquifer, which are not designated as principal aquifers, and in the unconfined portions of the 180-Foot Aquifer. These storage gains are added to storage loss due to seawater intrusion in Section 3.4.3.

Table 3-7. Parameters Used for Estimating Annual Change in Groundwater Storage Due to Groundwater Elevation Changes Outside of Seawater Intruded Area per Aquifer

Component	180-Foot Aquifer	400-Foot Aquifer	Deep Aquifers
Area of contoured portion of Subbasin minus seawater intruded area (acres)	65,500	74,400	76,000
Storage coefficient	0.012	0.005	0.02
Average change in groundwater elevations (feet)	1.7	2.0	5.5
Change in groundwater storage (AF)	1,300	700	8,400
Total annual change in groundwater storage due to changes in groundwater elevations (AF/yr)	**10,400**		

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

Table 3-8. Parameters Used for Estimating Annual Change in Groundwater Storage Due to Groundwater Elevation Changes Outside of Seawater Intruded Area for the Whole Subbasin

Component	Subbasin Total
Area of contoured portion of Subbasin minus seawater intruded area (acres)	76,000
Storage coefficient	0.078
Average change in groundwater elevations (feet)	3.1
Total annual change in groundwater storage due to changes in groundwater elevations (AF/yr)	**18,400**

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

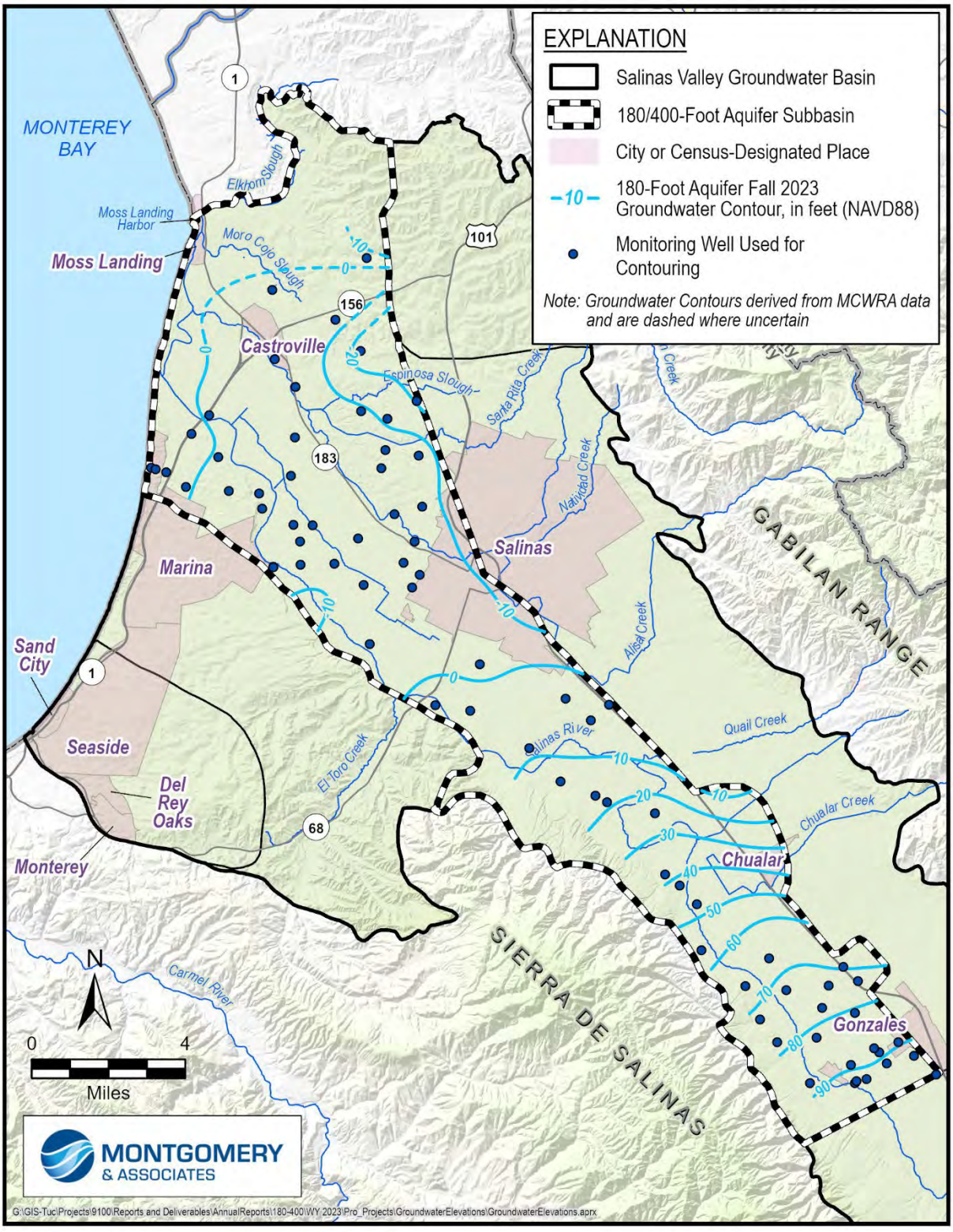


Figure 3-18. Fall 2023 Groundwater Elevation Contour Map for 180-Foot Aquifer

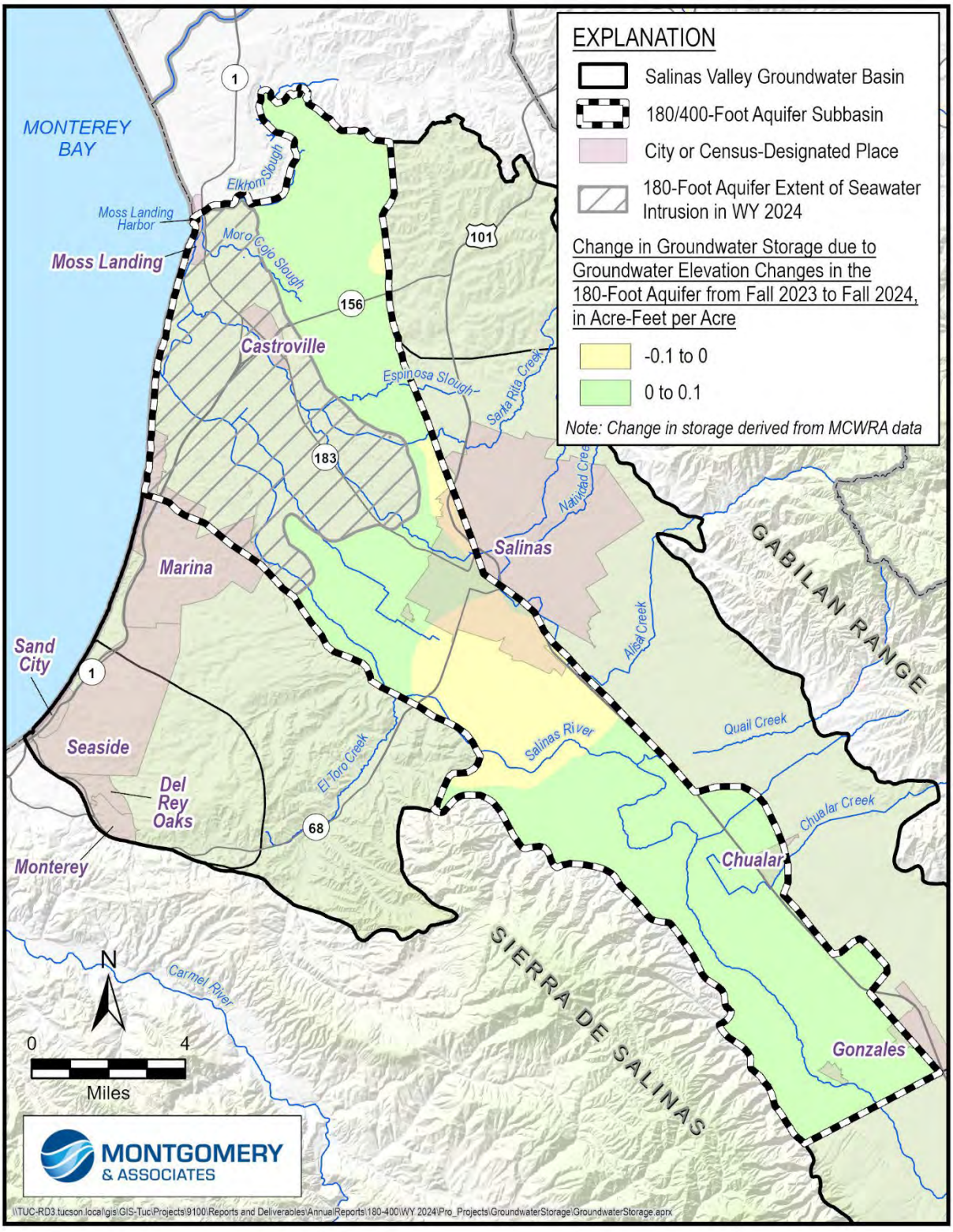


Figure 3-19. Estimated Annual Change in Groundwater Storage in the 180-Foot Aquifer

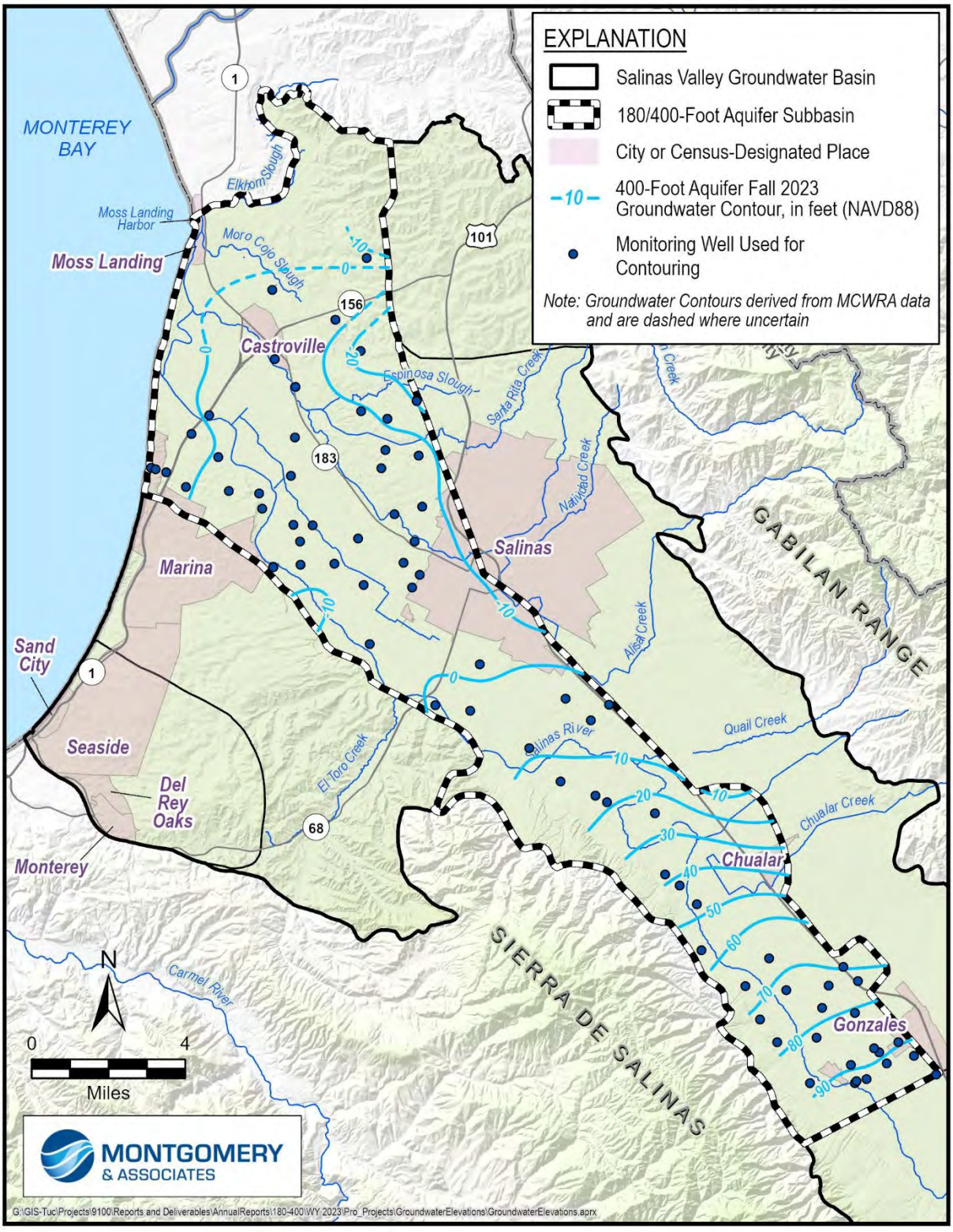


Figure 3-20. Fall 2023 Groundwater Elevation Contour Map for 400-Foot Aquifer

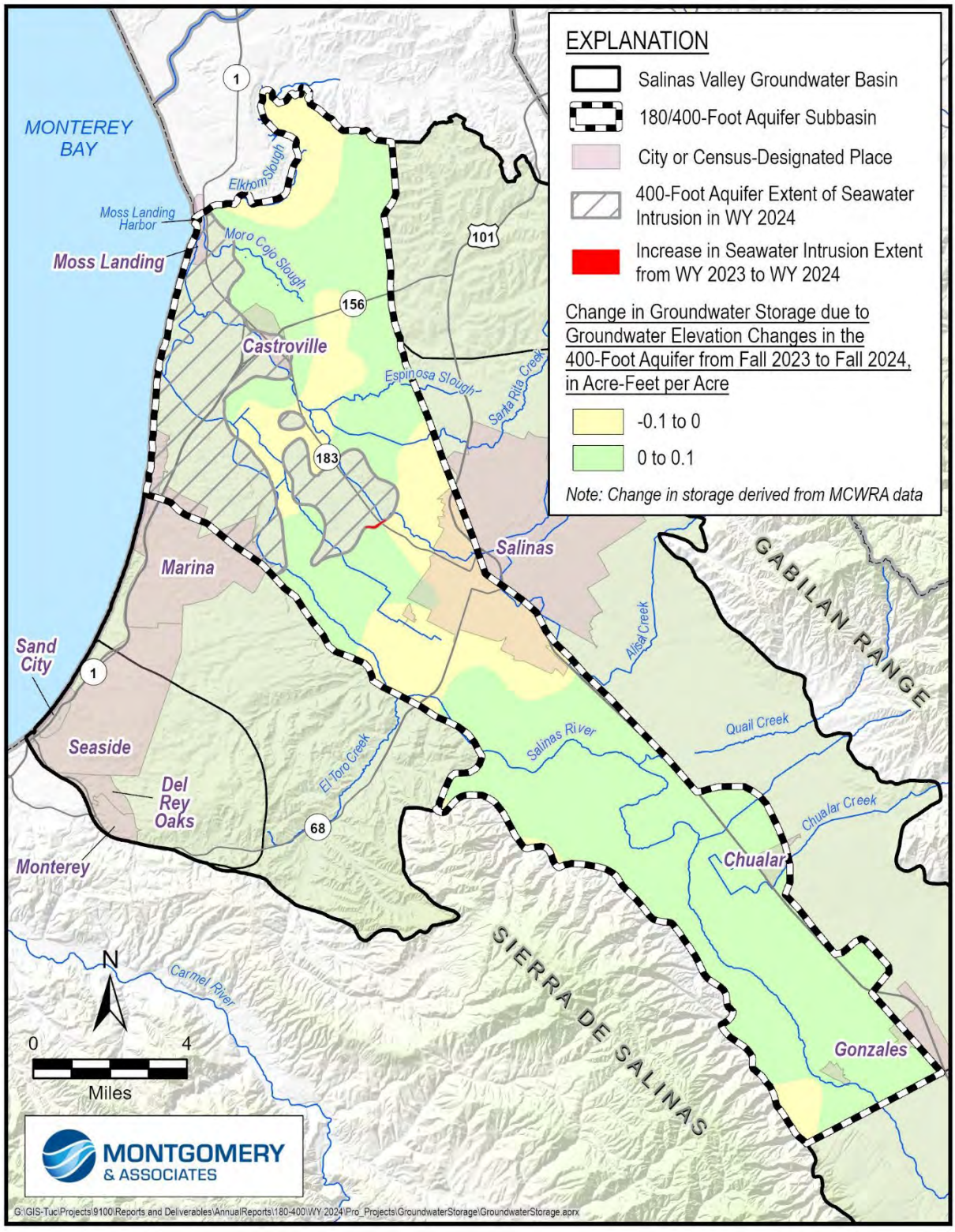


Figure 3-21. Estimated Annual Change in Groundwater Storage in the 400-Foot Aquifer

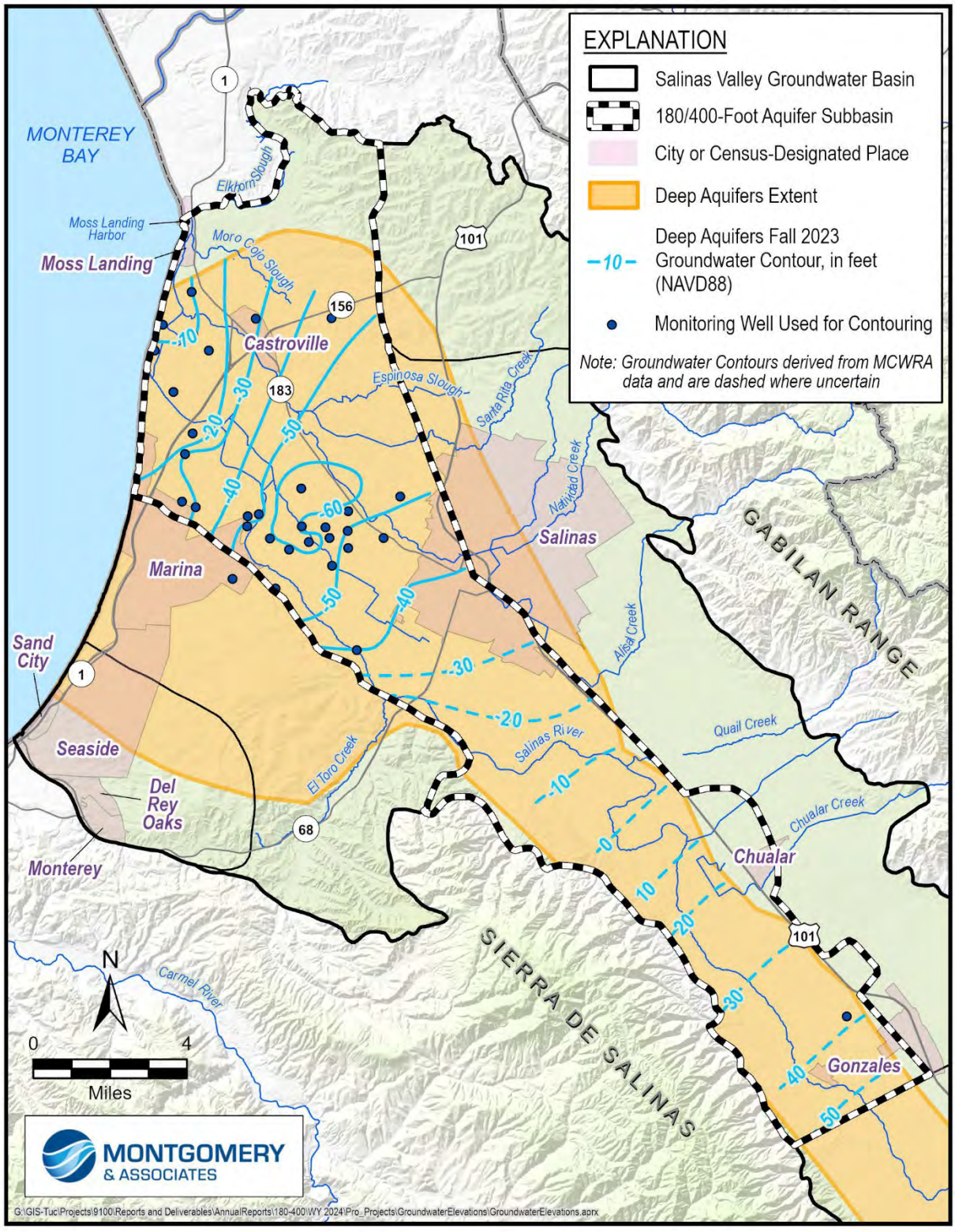


Figure 3-22. Fall 2023 Groundwater Elevation Contour Map for Deep Aquifers

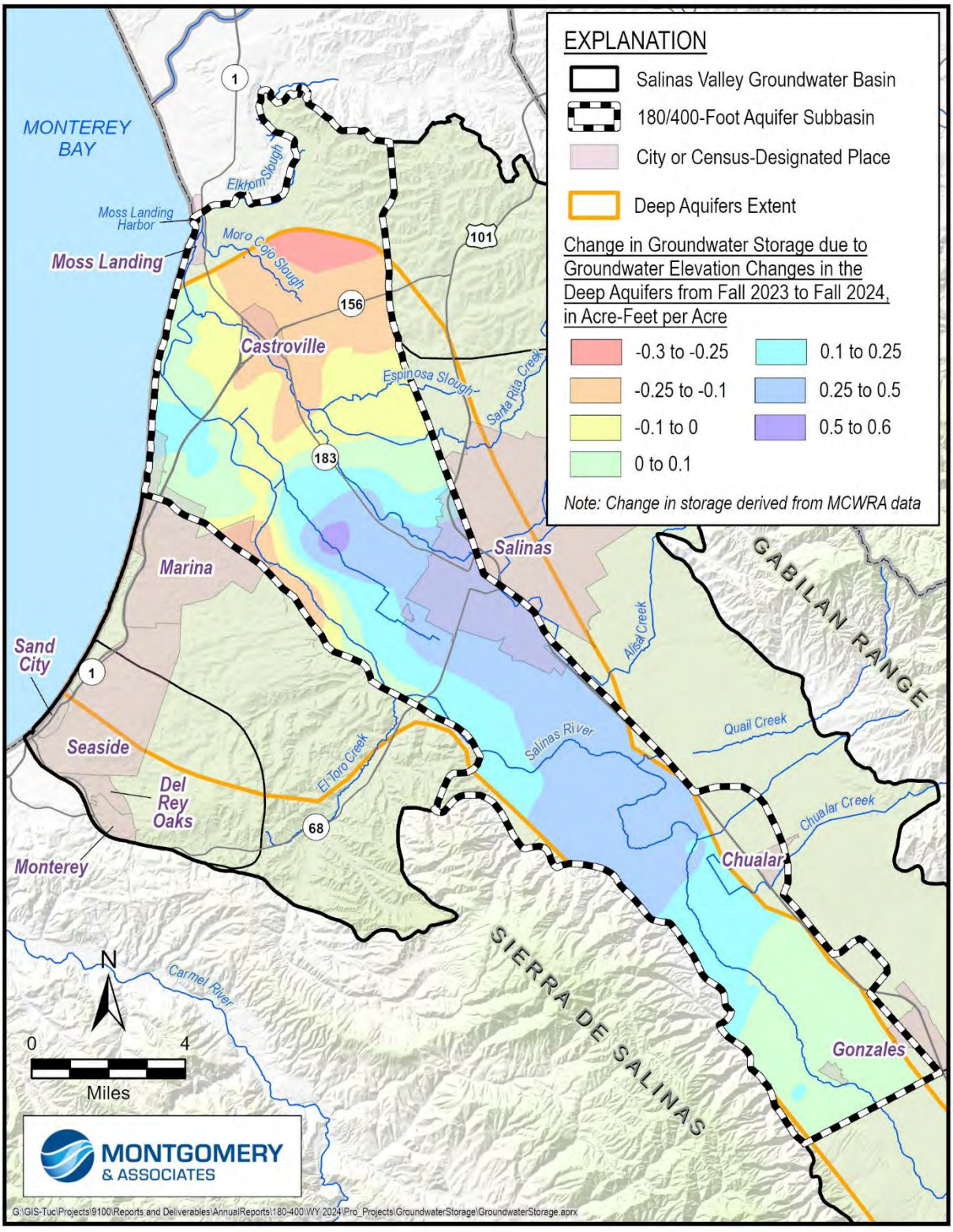


Figure 3-23. Estimated Annual Change in Groundwater Storage in the Deep Aquifers

3.4.2 Change in Groundwater Storage due to Seawater Intrusion

Groundwater storage loss due to seawater intrusion is estimated based on the change in seawater intrusion area from WY 2023 to WY 2024, as mapped by MCWRA. The area of change from 2023 to 2024, shown as the red shaded area on Figure 3-16 and Figure 3-17, is multiplied by an assumed aquifer thickness and effective porosity of 0.12 to estimate the average annual loss of groundwater storage due to seawater intrusion. Storage coefficients are more representative of the quantity of water that can be drained from an aquifer. Since seawater is moving into the aquifer, an effective porosity is more appropriate for this calculation than an aquifer storage parameter. Average aquifer thickness is approximately 150 feet in the 180-Foot Aquifer and 200 feet in the 400-Foot Aquifer, based on descriptions in the GSP. Average annual groundwater storage loss due to seawater intrusion in the Subbasin from 2023 to 2024 is approximately 100 AF/yr. There is no evidence of seawater intrusion in the Deep Aquifers. A summary of parameters used for estimating change in groundwater storage due to seawater intrusion is shown in Table 3-9.

Table 3-9. Parameters Used for Estimating Loss in Groundwater Storage Due to Seawater Intrusion

Component	180-Foot Aquifer	400-Foot Aquifer
Change in seawater intrusion area (acres)	0	-6
Effective Porosity	0.12	0.12
Approximate aquifer thickness (feet)	150	200
Change in groundwater storage (AF)	0	-100
Total average annual change in groundwater storage due to seawater intrusion (AF/yr)	**-100**	

Note: Increases in acreage intruded by seawater are indicated by negative values. Negative values indicate loss, positive values indicate gain.

3.4.3 Total Change in Groundwater Storage

The total change in groundwater storage is the sum of the changes in groundwater storage due to groundwater elevation changes and seawater intrusion in WY 2024. The estimated total average annual change in groundwater storage per aquifer and for the whole Subbasin are summarized in Table 3-10 and Table 3-11. As explained in Section 3.4.1, the storage changes in the individual aquifers do not sum to the estimated change in storage in the whole Subbasin (outside the seawater intruded area). The difference between the storage changes is mostly due to storage changes in the shallow sediments above the 180-Foot Aquifer and the unconfined portions of the 180-Foot Aquifer. In future GSP amendments, the storage coefficients used to calculate change in storage will be reviewed and revised as needed for consistency among all storage change estimates.

Table 3-10. Total Average Annual Change in Groundwater Storage per Aquifer

	180-Foot Aquifer	400-Foot Aquifer	Deep Aquifers
Annual storage change due to groundwater elevation changes (AF/yr)	1,300	700	8,400
Annual storage change due to seawater intrusion (AF/yr)	0	-100	0
Total annual storage change (AF/yr)	**10,300**		

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

Table 3-11. Total Average Annual Change in Groundwater Storage for the Whole Subbasin

	Subbasin Total
Annual storage change due to groundwater elevation changes (AF/yr)	18,400
Annual storage change due to seawater intrusion (AF/yr)	-100
Total annual storage change (AF/yr)	**18,300**

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

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 3-24. The annual and cumulative groundwater storage changes included on Figure 3-20 are based on Subbasin-wide average groundwater elevation changes. This figure includes groundwater extraction from 1995 to 2024, the 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. For example, the 1995 annual change in storage value is based on change in storage from 1994. As shown by the green line, groundwater storage increased from WY 2023 to WY 2024, bringing the cumulative change in storage since 1944—as shown by the orange line—to approximately -138,000 AF. The change in storage shown on Figure 3-24 is driven by the groundwater elevation changes that occur in the 180-Foot and 400-Foot Aquifers, since most wells are in those aquifers and less data is available for the Deep Aquifers. As more data becomes available for the Deep Aquifers, the plot will be refined accordingly.

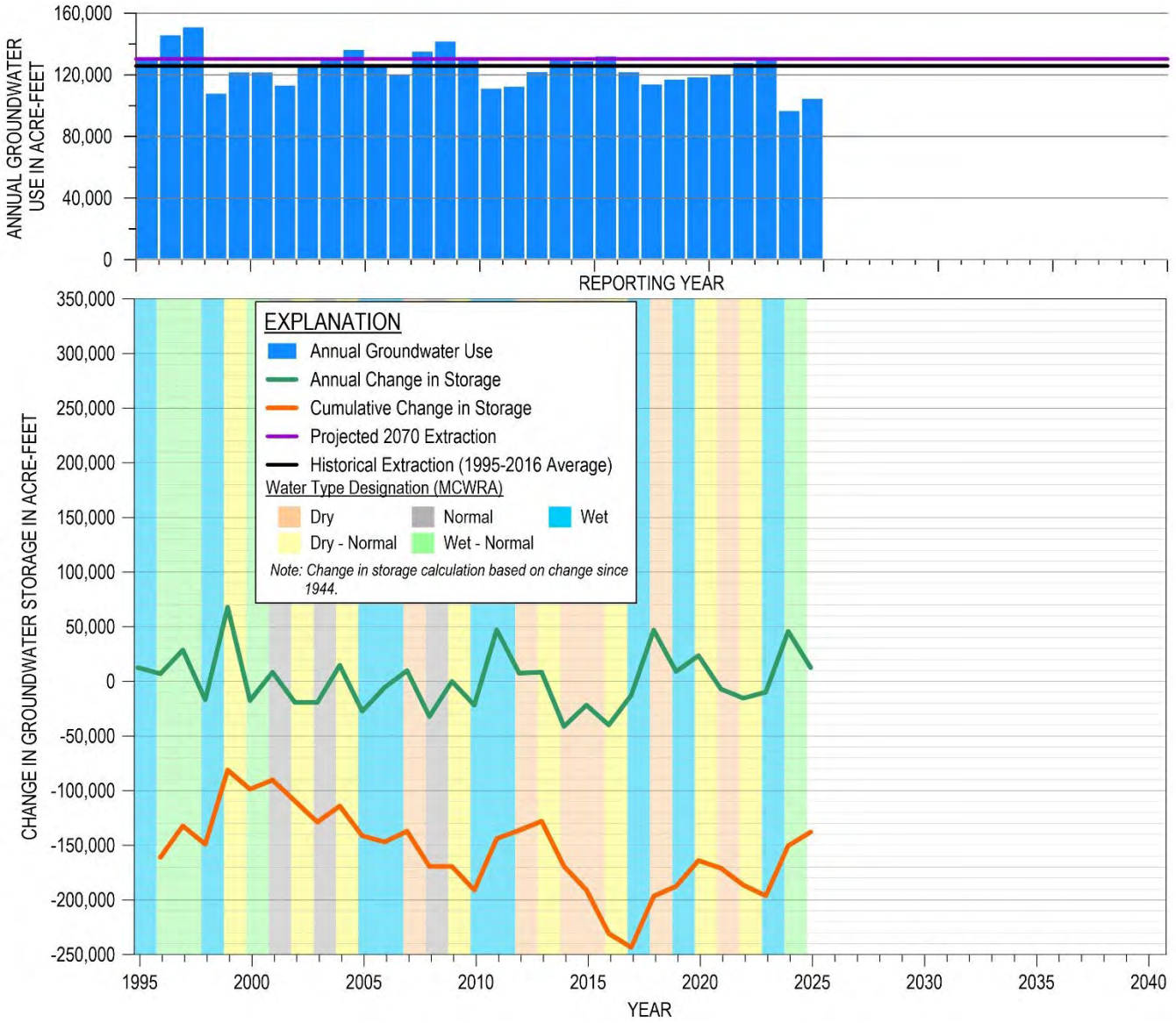


Figure 3-24. Groundwater Use and Annual and Cumulative Change in Groundwater Storage

3.5 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 for on-farm domestic wells and irrigation wells. Water quality data for both programs can be found on SWRCB's GAMA groundwater information system (SWRCB, 2024c). However, through collaboration with the CCRWQCB and Central Coast Water Quality Preservation, Inc., it was determined after the submittal of the WY 2023 Annual Report 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 will be 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 includes those that may lead to reduced crop production and are outlined in the CCRWQCB's Basin Plan (2019). In addition, the 2017 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 4.2.4.1 The wells used to monitor groundwater quality have been updated.

Table 3-12 shows the number of wells that were sampled in 2024 and that have chemical concentrations above the regulatory standard for the COCs in the Subbasin. Figure 3-25 shows that groundwater samples from 53 wells had concentrations above the regulatory standard for 12 COCs, with 21 wells having multiple exceedances. The COCs with higher concentrations than their regulatory limit include 1,2,3-trichloropropane, arsenic, chloride, gross alpha radioactivity, hexavalent chromium (Cr6), iron, nitrate, nitrate+nitrite, specific conductance, and total dissolved solids. Appendix C includes the 2024 water quality data that were used in this Annual Report.

Table 3-12. Annual Exceedances of the Regulatory Standard for the 180/400 Subbasin Constituents of Concern

Constituent of Concern	Regulatory Exceedance Standard	Standard Units	Number of Wells Sampled for COC in 2024	Number of Wells Exceeding Regulatory Standard in 2024
DDW Wells				
1,2,3-Trichloropropane	0.005	UG/L	34	1
Aluminum	1000 (MCL) 200 (SMCL)	UG/L	17	0
Arsenic	10	UG/L	19	1
Chloride	500	MG/L	13	1
Chromium	50	UG/L	17	0
Chromium, Hexavalent (Cr6)	10*	UG/L	5	2
Di(2-ethylhexyl) phthalate	4	UG/L	9	0
Foaming Agents (MBAS)	0	MG/L	9	0
Gross Alpha radioactivity	15	pCi/L	15	2
Iron	300	UG/L	12	1
Manganese	50	UG/L	14	0
Methyl-tert-butyl ether (MTBE)	13	UG/L	21	0
Nitrate (as nitrogen)	10	MG/L	77	7
Selenium	20	UG/L	17	0
Specific Conductance	1600	UMHOS/CM	17	2
Sulfate	500	UG/L	10	0
Total Dissolved Solids	1000	MG/L	13	1
ILRP On-Farm Domestic Wells				
Chloride	500	MG/L	0	0
Iron	300	UG/L	0	0
Manganese	50	UG/L	0	0
Nitrite	1	MG/L	0	0
Nitrate (as nitrogen)	10	MG/L	0	0
Nitrate + Nitrite (sum as nitrogen)	10	MG/L	85	24
Specific Conductance	1600	UMHOS/CM	85	32
Sulfate	500	MG/L	0	0
Total Dissolved Solids	1000	MG/L	4	1
ILRP Irrigation Wells				
Chloride	350	MG/L	0	0
Iron	5000	UG/L	0	0
Manganese	200	UG/L	0	0

mg/L= milligram/Liter
ug/L = micrograms/Liter
umhos/cm = micromhos/centimeter
*MCL is under review

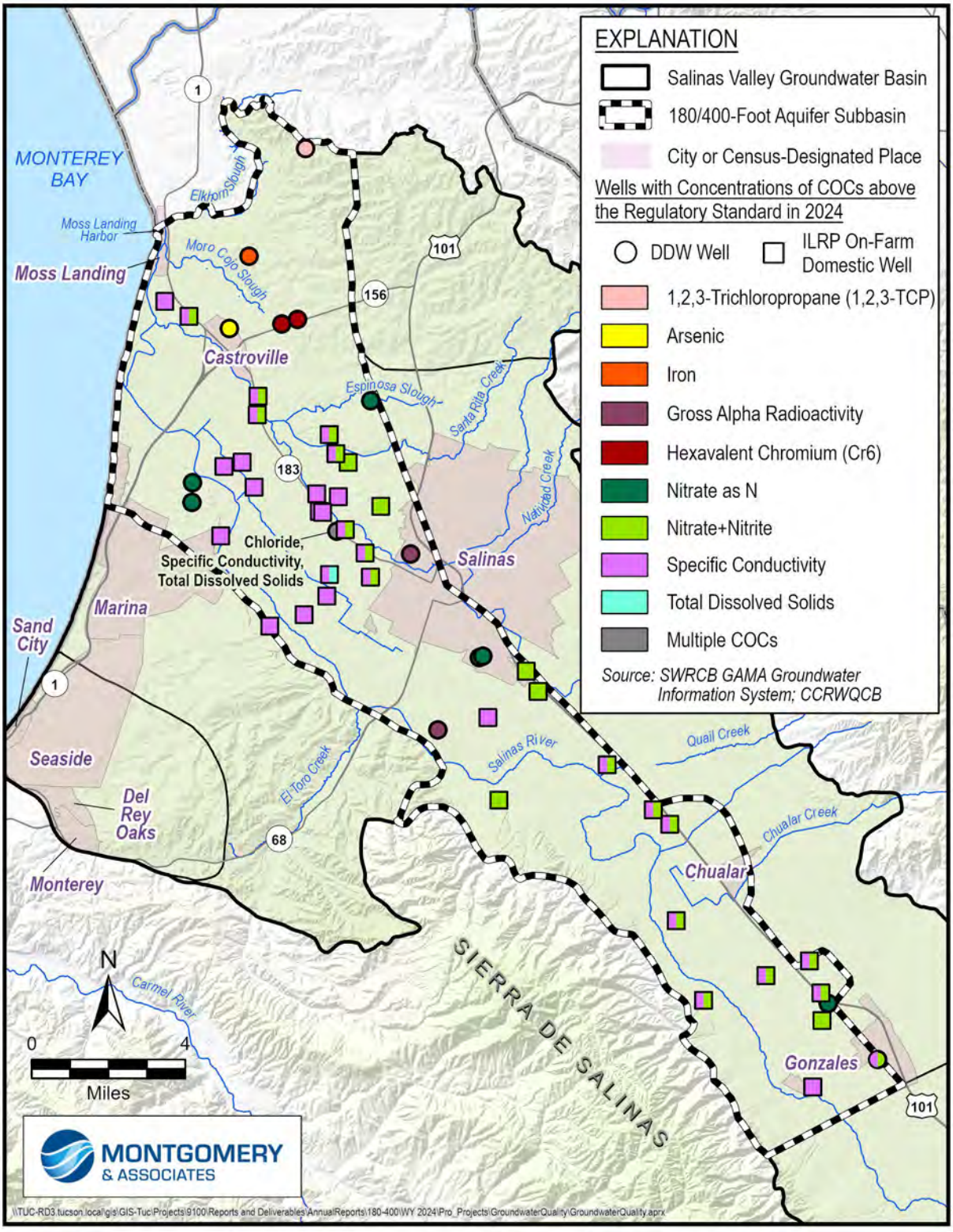


Figure 3-25. Wells with COC Concentrations Above the Regulatory Standard

3.6 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 3-26 shows the annual subsidence for the 180/400 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.

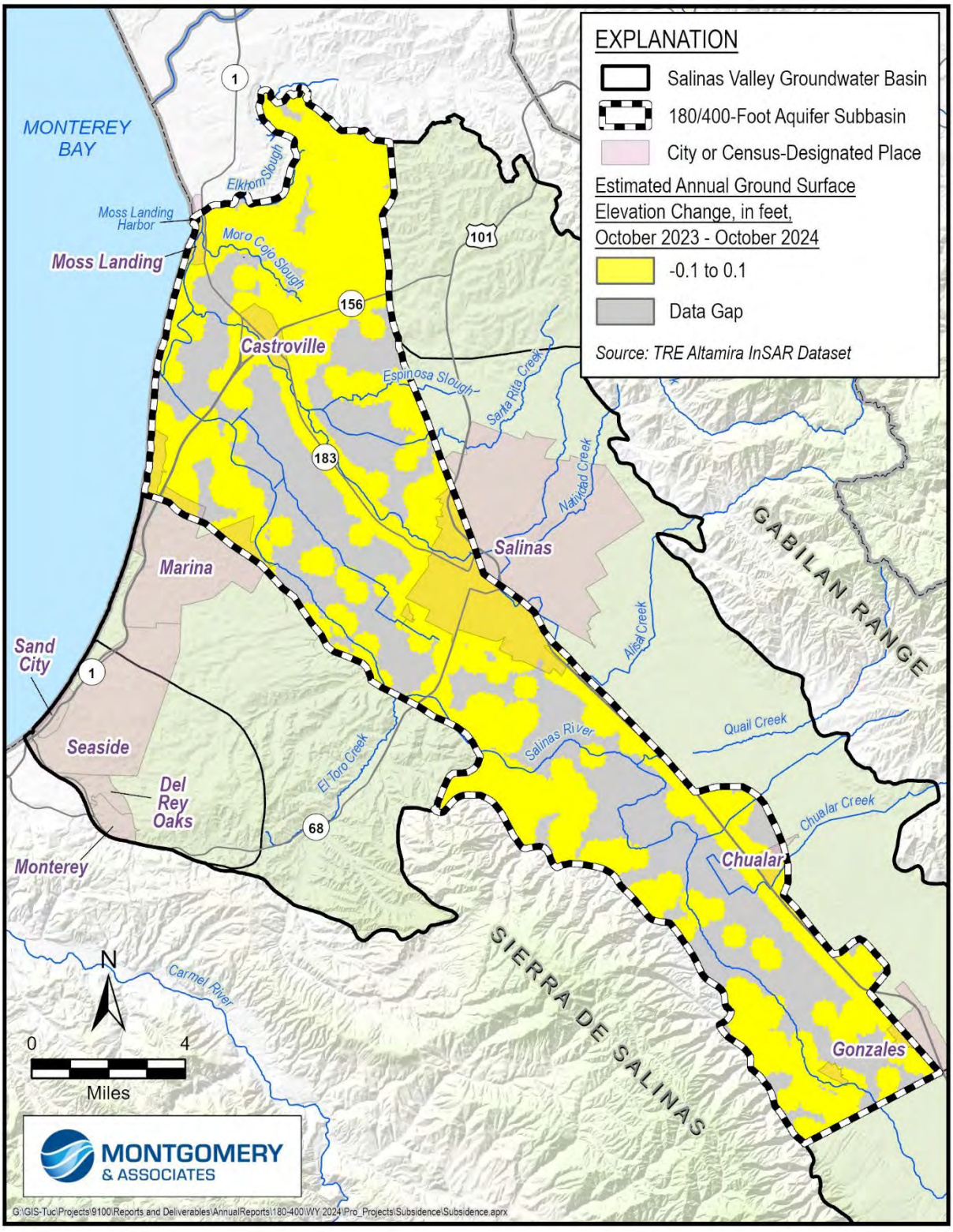


Figure 3-26. Annual Subsidence

3.7 Depletion of Interconnected Surface Water

The GSP Amendment 1 updated the 2020 GSP with more refined mapping of locations of ISW and rate of depletion. As described in Section 4.4.5.1 of the GSP Amendment 1, locations of ISW in the 180/400 Subbasin are mainly along the Salinas River and in part along some of its tributaries. 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 proxy relationship is established in Section 8.11.2.1.1 of the GSP Amendment 1.

The Salinas Valley Aquitard extends across much of the Subbasin and inhibits hydraulic connection between the stream and the underlying principal aquifers where groundwater pumping occurs, and therefore, the GSP Amendment 1 and this Annual Report assumes that ISW in the Subbasin occurs along stream reaches located outside the mapped extent of the Aquitard. The ISW monitoring network consists of 2 RMS wells. Table 3-13 lists the 2023 and 2024 shallow groundwater elevations, and the annual change in shallow groundwater elevations for the ISW RMS well in the Subbasin. Well 15S/03E-26E02 (180/400-ISW-1) was installed at the end of 2023 and therefore does not have a WY 2023 groundwater elevation measurement. Shallow groundwater elevations rose in the other RMS well (16S/05E-31P02), which could indicate that there was less depletion of ISW due to pumping during WY 2023 than WY 2024. Pumping increased slightly from WY 2023 to WY 2024, however, recharge that occurred during these wetter years could have led to an increase in shallow groundwater elevations. Figure 3-27 shows the location of the ISW RMS wells and the estimated spatial extent of the Salinas Valley Aquitard revised as per the HCM Update (Appendix A).

Table 3-13. Shallow Groundwater Elevation Data

Monitoring Well	WY 2023 Groundwater Elevation	WY 2024 Groundwater Elevation	Annual Change
15S/03E-26E02	Not sampled	12.1	N/A
16S/05E-31P02	93.0	94.8	1.8

In feet, NAVD88

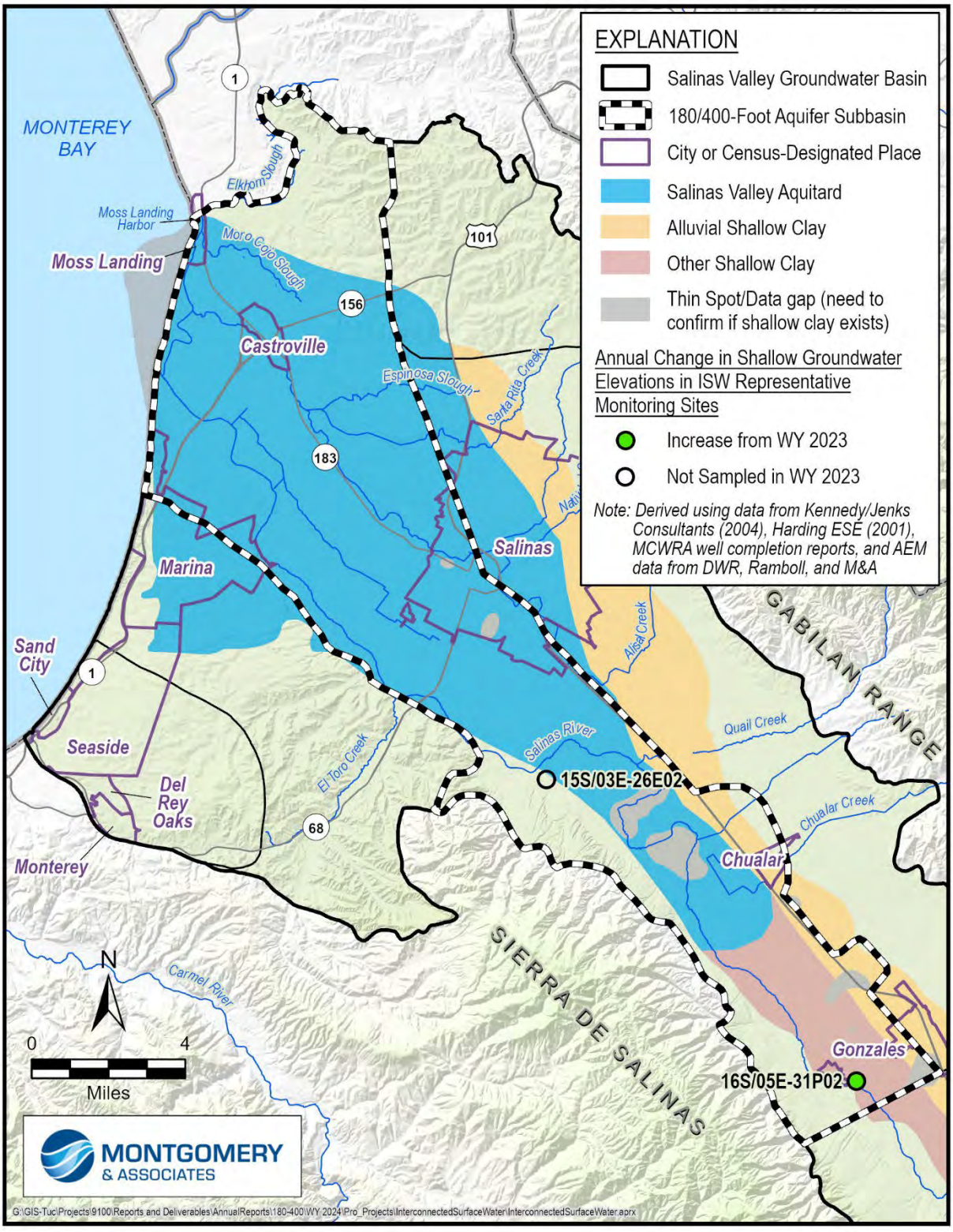


Figure 3-27. Annual Change in Shallow Groundwater Elevations in ISW Representative Monitoring Sites

4 ANNUAL PROGRESS TOWARD IMPLEMENTATION OF THE GSP

4.1 Groundwater Management Activities

This year SVBGSA 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 highlights challenges and notes one challenge in this subbasin related to litigation in the final section.

SVBGSA submitted the first 5-year periodic evaluation for the 180/400 Subbasin in January 2025. This GSP 2025 Evaluation accompanies GSP Amendment 1 for the 180/400 Subbasin, which was adopted by the SVBGSA Board on September 8, 2022. While at that time it was referred to as the GSP Update, in this evaluation it is referred to as GSP Amendment 1. Coordination across all subbasins is a continual focus of SVBGSA, and schedule alignment would help the Agency complete efficient Valley-wide assessments of progress being made. SVBGSA intends to submit the subsequent periodic evaluation in 2027 and every 5 years thereafter to achieve the SVBGSA's goal to have its 6 subbasins on the same 5-year period evaluation cycle.

4.1.1 General Administrative Progress

SVBGSA completed 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 began in April 2024 and was completed in fall 2024, with potential recommendations for fee changes to be 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 2024. The FY 2025 work plan, which was approved in March 2024, comprised greater detail and included projections for FY 2026-FY 2027. Additionally, the Board approved 3 new financial policies, revisions to 1 existing policy, and a comprehensive Bylaws amendment that included a Code of Conduct addition.

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 the 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 2024 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.
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.
Provide Administrative Oversight	Review and update Agency policies			x		Ongoing to ensure relevancy.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments (from October 2024 to December 2024)
	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 continued to coordinate with partner agencies, conduct extensive engagement of stakeholders, and outreach on groundwater and SGMA activities. The 180/400 Subbasin Implementation Committee met 13 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 using 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 workshops titled "Our Water Future in the Salinas Valley" 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 2024 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 13 180/400 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 wells, 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. In the 180/400 Subbasin, CCGC completed the identification, mapping, and desktop remote sensing baseline condition assessment of GDEs. CCGC also performed field-based condition monitoring of select GDEs using the California Rapid Assessment Method (CRAM).
- **HCM Update:** In preparation for the GSP 2027 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.
- **Seawater Intrusion (SWI) Model Update:** During this reporting period, Montgomery & Associates updated the SWI Model, working closely with MCWDGSA's consultant, EKI Environmental. The SWI Model was updated with improved representation of the ocean boundary, incorporated the improved model layering from the HCM Update, and was recalibrated. It resulted in a model with a more accurate representation of the aquifers and aquitards. The SWI Model is a publicly available tool to estimate the effects of projects and management actions on seawater intrusion, and the updated version was used for the 180/400 Subbasin feasibility studies.

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. Following DWR's guidance, SVBGSA developed the GSP 2025 Evaluation, which included a summary of how SVBGSA is approaching DWR's RCAs.

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 2024 Annual Report; the progress toward 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 includes the expansion 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 Groundwater Monitoring Program (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	One Deep Aquifer monitoring well was completed near Gonzales.
Test Aquifer Properties	Fill aquifer properties data gap(s) in 180/400				x	2 tests completed. Discussions with landowner on an additional test near Somavia Road.
Prepare HCM for GSP 5-year Evaluation	Refine and incorporate new data into HCM for 180/400				x	Refined HCM has been finished, presented to 180/400 Committee at July 2024 meeting and included in GSP 2025 Evaluation.
	Prepare valley-wide HCM			x		Refined HCMs will be incorporated into a valley-wide.
Verify GDEs	Develop methodology with CCWG				x	GDE Working Group convened 7 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 and summarized in the 180/400 GSP 5-year evaluation.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
	Conduct field reconnaissance to verify presence in 180/400				x	Field reconnaissance occurred in October and the results summarized in November and included in 180/400 GSP 5-year evaluation.
Host and Manage DMS	Manage and update DMS concurrent with annual report preparation			x		Upload of new water year data into DMS in progress.
Assess and Refine SWI Model	Develop SWI Model				x	SWI Model completed and revised in response to GTAC comments.
	Additional SWI Model Updates (partnership with MCWD GSA)			x		Included in SGM Round 2 Implementation Grant for Monterey Subbasin.
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 and Prepare 2025 Periodic Evaluation	Review RCAs and develop strategies for addressing them			x		RCA's 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.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
	Prepare GSP 5-yr Evaluation for 180/400				x	All sections completed and posted to 180/400 Subbasin webpage in mid-December for review prior to January Board meeting.
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. Status of Addressing RCAs

No.	RCA	Status of Action to Address
1	**Communications:** SVBGSA should provide additional information on the required, ongoing communications elements required in the GSP Regulations, and describe how those required elements fit into phase 4 of the GSA's Engagement and Outreach Strategy, including engagement of irrigation, drinking water supply, and environmental beneficial users as identified in the Plan.	**Addressed:** • Included Chapter 2 Communications and Public Engagement in 2022 GSP Amendment. • Information added on how SVBGSA will provide additional information on the required ongoing communications elements.
2	**Hydrogeologic Conceptual Model:** Investigate the hydraulic connectivity of the Salinas River, the non-principal shallow aquifer, and the principal aquifers. Identify specific locations where the Salinas River gains or loses water to the groundwater system. Based on results of the investigation, provide updated discussion of the potential for management of the principal aquifers to impact beneficial uses and users of groundwater in the shallow aquifer, including that the GSA should document known impacts to drinking water users, should they occur, or surface water.	**Addressed:** • Included greater description and new analyses on ISW and GDEs in discharge areas and description on shallow sediments and their connectivity to the principal aquifers in 2022 GSP Amendment Chapter 4 Hydrogeologic Conceptual Model. • Used Provisional SVIHM to assess locations of interconnection, rate of ISW depletion due to pumping, and seasonality.
3	**GDEs:** SVBGSA should clarify its plan to 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.	**Underway:** • Working with Central Coast Wetlands Group on GDE mapping and field reconnaissance, and secured grant funding to support the effort.
4	**SMC:** Define what constitutes "average hydrogeologic conditions" and how the "long-term average over all hydrogeologic conditions" will be calculated for the consideration of undesirable results for reduction of groundwater storage and depletions of interconnected surface water.	**Addressed:** • Added Achieving Long-Term Sustainability section to GSP Amendment Chapter 8 to explain terminology and how long-term sustainability is calculated.

No.	RCA	Status of Action to Address
		• Deleted "During average hydrogeologic conditions, and as a long-term average over all hydrogeologic conditions" from Storage Undesirable Result statement since unnecessary.
5	**Water Quality:** Coordinate with the appropriate groundwater users, including drinking water, environmental, and irrigation users as identified in the Plan, and water quality regulatory agencies and programs in the Subbasin to understand and develop a process for determining if groundwater management and extraction is resulting in degraded water quality in the Subbasin.	**SMC Addressed:** • In GSP Amendment Chapter 8, revised Water Quality SMC to include water quality impacts due to groundwater management, including related to managing pumping. **Coordination Underway:** • Included a new implementation action titled Water Quality Coordination Group in GSP Amendment Chapter 9 Projects and Management Actions. • Coordination Group outlines how SVBGSA will address RCA 5 and coordinate with water quality regulatory agencies and programs.

4.1.4 Progress on Projects and Management Actions

SVBGSA continued to work with partner agencies and partners to plan projects and management actions to reach sustainability in the 180/400 Subbasin. SVBGSA, MCWRA, M1W, and MCWDGSA moved forward with shovel-ready projects to optimize current infrastructure and continue existing programs. Concurrently, SVBGSA continued to advance feasibility studies and refine its more comprehensive sustainability strategy to reach sustainability across all 6 sustainability indicators. This year, SVBGSA advanced several of the main workstreams currently being pursued to reach sustainability.

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 reach sustainability in the 180/400 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 180/400 Subbasin faces the difficult challenge of addressing seawater intrusion along with declining groundwater levels and related loss of groundwater storage. This year, SVBGSA moved a number of workstreams forward to take immediate action where possible and pursue feasibility studies on the key approaches to address seawater intrusion. The Round 1 SGM Implementation Grant greatly aided the Agency's ability to undertake this work early within the GSP implementation period.

Immediate Improvements of Existing Infrastructure – Optimizing CSIP: Through the Round 1 grant, MCWRA and M1W conducted work to improve the existing SVRP and CSIP and reduce the groundwater extraction needed to supply the seawater intruded area with irrigation water. M1W completed the replacement of the chlorine scrubbers in June 2024. MCWRA continued to develop a hydraulic model of CSIP that will enable irrigation scheduling and reduced groundwater extraction. The CSIP model will also be used to identify distribution system improvements. To address data-sharing challenges between MCWRA as the owner of CSIP and M1W as the operator of CSIP, the agencies continued a facilitated reconciliation process through DWR Facilitation Support Services. In future years, SVBGSA and MCWRA also plan to consider expansion of CSIP to understand its viability and whether it could help provide water supply reliability while reducing groundwater extraction.

Seawater Intrusion Feasibility Studies: SVBGSA continued development of feasibility studies for 3 approaches to mitigate seawater intrusion: an extraction barrier coupled with a desalting plant to provide a new regional water supply, seasonal reservoir releases with aquifer storage and recovery (ASR), and demand management. These feasibility studies will inform how the Agency

proceeds with the selection of projects to address seawater intrusion. The feasibility studies will culminate in a Project Update Report that will enable the Agency to compare study results and options, solicit feedback from interested parties, and consider project combinations.

- **Brackish Groundwater Restoration (BGR) Project (new name for the Seawater Intrusion Extraction Barrier/Regional Water Supply Project):** Carollo Engineers continued to prepare this feasibility study during this reporting period. In coordination with Montgomery & Associates, the initial scenarios modeled with the SWI Model and preliminary engineering analysis were used to define small, medium, and large scenarios that varied in their magnitude, cost, and groundwater impact. Carollo identified treatment requirements for groundwater desalting, refined potential facility locations and developed facility descriptions, and estimated capital and operating costs. Montgomery & Associates modeled the final 3 scenarios with the updated SWI Model. These scenarios were presented to various committees in fall 2024.

- **Seasonal Reservoir Releases with ASR**: SVBGSA continued to look at the possibility of addressing seawater intrusion through ASR and capturing additional wet winter flows. This study assesses the concept of diverting surface water at the Salinas River Diversion Facility (SRDF), treating it, and injecting water into the 180-Foot and 400-Foot Aquifers, aiming to raise groundwater levels to address seawater intrusion while still meeting CSIP irrigation demands. During the reporting period, SVBGSA and Montgomery & Associates worked with MCWRA and M1W to assess operations and constraints related to how the project would work with reservoir operations, water rights, and permits associated with the SRDF. A new alternative project concept was identified to capture excess watershed flows with a new diversion facility, while maintaining current reservoir and CSIP operations. In addition, this year the feasibility steps completed included conducting a review of existing water quality and potential treatment requirements, refining the project concepts and scenarios, and modeling the effectiveness of the project concepts on seawater intrusion and groundwater levels.

- **Demand Management**: 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 (CCP), Montgomery & Associates, 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 prefaced subbasin-specific dialogues. During fall 2024, SVBGSA kicked off this demand management dialogue—facilitated by Dave Ceppos—in the 180/400, Eastside, and Monterey Subbasins, to have interested parties identify what types of demand management actions

are appropriate for the Subbasin and to be considered more carefully through economic and hydrogeology analyses.

Supporting Programs and Studies: In addition to the key approaches to address seawater intrusion, SVBGSA continued several complementary workstreams.

- **Multi-benefit Land Repurposing Program (MLRP) and Pre-feasibility Recharge Mapping**: Under the MLRP Grant, SVBGSA finalized an agreement with University of California, Davis, for recharge suitability mapping associated with the MLRP, which will help understand where there are potential opportunities for recharging runoff. The university team advanced this year with the GIS-based recharge mapping effort, which included a workshop and survey to solicit observations and input from residents.

- **Salinas River Recharge Study at Somavia Road:** SVBGSA issued a Request for Bids and contracted with Balance Hydrologics (Balance) to complete the feasibility study. SVBGSA coordinated planning meetings with Balance, M&A, MCWRA, FlowWest and UC Davis to discuss approach and surface water-groundwater data coordination. Balance completed synoptic flow surveys and installed monitoring equipment to measure streamflow and estimate recharge rates for WY 2025.

- **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.

- **Water Efficiency Pilot Program:** For rural residential users that have not benefited from conservation programs and rebates that many larger water systems have, SVBGSA initiated a new effort this year to support residential water efficiency in the Eastside and other subbasins. To reduce demand and increase awareness of the groundwater conditions, the pilot program under development will consist of a water use survey, targeted water use efficiency webpage, and free house calls to assess how to improve water efficiency.

- **Deep Aquifers:** After conducting the Groundwater Technical Advisory Committee (GTAC) review process, Montgomery & Associates 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 made public 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.

In addition, the SWRCB extended the agreement with MCWRA for the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* project through December 2025.

Table 4-5 summarizes SVBGSA's work to implement projects and management action tasks within the Work Plan. A complete list of the status of each project and management action listed in the GSP 2025 Evaluation.

Table 4-5. Projects and Management Actions Work Plan Status as of December 2024

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
Assess GW 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 (DM)	Develop policy framework for 180/400 DM Program			x		Using the DM basin-wide workshops as a foundation, began subbasin-focused discussion.
	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.
	Plan for DM in overdrafted subbasins			x		Dialogue and economic analysis initiated in 180/400 and Eastside. Initial meeting held with Monterey Subbasin in December.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
	Assess inter-subbasin impacts of DM		x			Planning for multi-basin scenario modeling.
	Make initial GTAC recommended model refinements				x	SWI model updates in response to GTAC comments completed September 2024.
Improve and Utilize SWI Model	Update Salinas SWI Model based on new data			x		Model updates for feasibility study analyses completed. Additional model revisions in Monterey Subbasin to be coordinated with MCWD GSA in 2025.
Fund CSIP Distribution System Upgrades	Perform upgrade of dry scrubber at M1W				x	Completed. Subgrant amendment increased grant funding for project.
Fund CSIP Distribution System Upgrades	Plan and implement CSIP distribution system upgrades			x		MCWRA work underway pursuant to subgrant agreement; planned for grant and subgrant timeline extension and budget amendment requests.
Support CSIP Regional Collaborative Intent	Utilize DWR Facilitation Support Services for joint fact finding and consensus building			x		Contract with DWR executed. Work began in fall 2024.
Scope CSIP Expansion, Initial Phase	Blue Plan It	x				Suspended: addressed through CSIP reconciliation by other agencies.
Scope CSIP Expansion, Initial Phase Refine Sustainability Strategies	Conduct feasibility study for CSIP expansion		x			Initial discussions with MCWRA underway.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
	Assist with implementation of sustainability strategies and projects/management actions (PMAs)			x		Sustainability strategy and PMAs under review and discussion by subbasin committees.
Refine Sustainability Strategies	Provide technical support services			x		M&A to support staff as needed.
Conduct Deep Aquifer Study	Develop hydrogeologic conceptual model (HCM)				x	GTAC provided input for HCM that is incorporated into Deep Aquifer Study report made public in May 2024.
Conduct Deep Aquifer Study	Develop water budget				x	GTAC provided input for water budget that is incorporated into Deep Aquifer Study report made public in May 2024.
	Develop management guidance				x	GTAC provided input for management guidance that is incorporated into Deep Aquifer Study report made public in May 2024.
Assess Deep Aquifer Study Management Options	Review by GTAC, finalize and present study				x	Administrative draft of the study completed in December 2024. Study completed in May 2024 and presented to agency boards in Summer/Fall 2024.
	Evaluate policy approaches and determine management options			x		Study released May 2024. Agencies' (County, MCWDGSA, MCWRA, SVBGSA) Working Group developing recommendations for monitoring and management actions. GTAC discussed monitoring recommendations in December.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
Conduct Aquifer Storage and Recovery (ASR) Preliminary Feasibility Study	Collect info, gather input, assess water rights			x		Held meetings with MCWRA, M1W, GTAC to gather information and assess project concepts to include in technical memorandum.
	Develop scope of work				x	
	Conduct phase 1 of the study			x		Prepared administrative draft technical memoranda and coordinated review and input from MCWRA.
	Coordinate project management and meetings			x		Ongoing coordination with M&A and partner agencies
Conduct Brackish Groundwater Restoration Project (previously. Seawater Extraction Barrier/Regional Water Supply) Feasibility Study	Prepare presentations to board and committees			x		Periodic updates presented at various committee meetings.
	Conduct effectiveness evaluation				x	Updated modeling of alternatives completed using revised SWI model.
	Prepare alternatives analysis				x	Small, medium, and large alternative project configurations identified.
	Assess siting and implementation				x	Identified potential facility locations and sites based on alternatives.

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
	Prepare final phase 1 feasibility study report			x		Draft Summary Report published in December. USBR feasibility study administrative draft underway.
	Complete USBR feasibility study			x		Underway
	Conduct phase 1(a) feasibility study: end users and distribution system	x				
	Conduct CEQA study	x				
Assess GW Benefits of Multi-Benefit Land Repurposing Program	Conduct recharge suitability mapping			x		Supporting the implementation of the MLRP grant. UCD is developing a recharge suitability mapping tool and collecting community input about local groundwater recharge goals and developing a tool to support the identification of suitable recharge locations.
	Conduct recharge project sites evaluation	x				
Prepare Projects Update Reports	Prepare economic analysis	x				
	Carry out grant administration			x		

Activities	Tasks	Not yet started	Scoping/ Planning	In progress	Complete	Comments
	Prepare projects update report and feasibility summary for 180/400			x		To be prepared pending completion of feasibility studies and additional economic analysis. Relevant information developed in GSP 2027 Evaluation.
11043 Diversion Updated Water Availability Analysis	Conduct 11043 updated water availability analysis	x				
Salinas River Recharge Study at Somavia Road	Conduct feasibility study about recharge rates at Somavia Road			x		Balance Hydrologics is completing field studies which began in the fall of 2024. The study will be conducted through WY 2025.

4.1.5 Other Challenges

As noted in the WY 2023 Annual Report, in November 2023, the Sixth District Court of Appeal issued its Decision in City of Marina *et al.*, v. County of Monterey affirming that proper procedures were followed when Monterey County became the GSA for the disputed area in the southeastern 180/400 Subbasin. In short, the Court affirmed the Trial Court's decision, holding the County of Monterey GSA is the GSA for the CEMEX Area, and the entire 180/400 Foot Aquifer Subbasin is properly governed by the GSP developed and approved by the Salinas Valley Basin Groundwater Sustainability Agency and County of Monterey GSA. The City of Marina petitioned the California Supreme Court for review and reconsideration of this decision. On February 15, 2024, after the petition was denied by the California Supreme Court, the Court of Appeal issued a remittitur to Monterey County Superior Court. Three Reverse Validation Complaints (RV) were filed during this time period.

On October 31, 2024, the City of Marina (City), Marina Groundwater Sustainability Agency, and Marina City Council (collectively Marina); the County of Monterey, Monterey County Board of

Supervisors, and County of Monterey Groundwater Sustainability Agency (collectively County); Salinas Valley Basin Groundwater Sustainability Agency and Board of Directors of Salinas Valley Basin Groundwater Sustainability Agency (collectively SVBGSA); and California-American Water Company (Cal-Am) entered into a Settlement Agreement that became effective with a global settlement of all outstanding claims in each of these actions to settle all remaining disputes, obligations, and potential claims for costs and attorneys' fees in the SGMA Action, as well as all disputes, obligations, and claims in the stayed Cal-Am RV Action, Marina RV Action #1 and Marina RV Action #2.

Pursuant to the settlement, SVBGSA and the City of Marina will hold a GSP meeting to discuss the City's substantive concerns with the current SVBGSA GSP. The attending Parties agree to confer in good faith to discuss and attempt to resolve the GSP issues, but no Party commits to any follow-up action or meeting at this time. The CEMEX site is the location of California American Water's planned Monterey Peninsula Water Supply Project. Although there have been several key project approvals, there is other ongoing litigation related to this project that would need to be resolved prior to project construction.

4.2 Sustainable Management Criteria

The 180/400 Subbasin GSP includes descriptions of significant and unreasonable conditions, minimum thresholds, interim milestones, measurable objectives, and undesirable results for each of DWR's 6 sustainability indicators. SVBGSA developed and defined significant and unreasonable conditions based on public meetings, local interested party input, and staff discussions. The SMC are individual criterion that will each be met independently and

simultaneously. A brief comparison of the data presented in Section 3 and the SMC criteria are included for each sustainability indicator in the following sections. Since SVBGSA resubmitted GSP Amendment 1 in January 2025, this annual report assesses Reduction in Groundwater Storage and Depletion of ISW SMC according to the revised SMC in GSP Amendment 1.

Significant and unreasonable conditions occur due to inadequate groundwater management and qualitatively describe groundwater conditions deemed insufficient by the 180/400 Subbasin Planning Committees. 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 can reach measurable objectives by 2040. DWR uses interim milestones every 5 years to review progress from current conditions to the 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. The average hydrogeologic conditions include reasonably anticipated wet and dry periods.

Table 4-6 includes the projected average annual precipitation at the Salinas Municipal Airport 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 average precipitation since GSP implementation that represents the

average hydrologic conditions for the Subbasin. For the second consecutive year, the Subbasin experienced high precipitation and recharge from rivers 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)
Current (WY 2024)	14.8
Historical Average (WY 1991-2020)	12.6
Average After GSP Implementation (WY 2021-2024)	11.0
2030 Projected Average	12.0
2070 Projected Average	12.5

4.2.1 Chronic Lowering of Groundwater Levels SMC

4.2.1.1 Minimum Thresholds

Section 8.6.2.1 of the 180/400 Subbasin GSP Amendment 1 describes the information and methodology used to establish minimum thresholds for chronic lowering of groundwater levels. In the 180/400 Subbasin, the minimum threshold was set to 1 foot above 2015 groundwater elevations. The minimum threshold values for each well within the groundwater elevation monitoring network are provided in Table 4-7. Fall 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 4-1. The red cells below show that 1 well in the 180-Foot Aquifer, 3 wells in the 400-Foot Aquifer, and 14 wells in the Deep Aquifers exceeded their minimum thresholds in WY 2024. All exceedances were in the northern half of the Subbasin.

After the Deep Aquifer Study the SMC for some of the Deep Aquifers RMS wells were revised to align with the methodology outlined in the 2025 GSP Periodic Evaluation.

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 Elevation**	**Interim Milestone at Year 2025**	**Measurable Objective (Goal to Reach at 2040)**
180-Foot Aquifer				
13S/02E-21Q01	6.4	2.3	8.6	8.5
13S/02E-26L01	-6.2	3.3	-3.9	-3.0
13S/02E-33R01	-8.0	Not Sampled	-6.5	-3
14S/02E-03F04	-7.9	-1.0	-5.0	-4.5
14S/02E-10P01	-17.8	-8.2	-16.2	-6.4
14S/02E-11A02	-10.6	-3.5	-7.7	-6.0
14S/02E-12B02	-10.8	-2.7	-6.2	-2
14S/02E-13F03	-11.2	-0.6	-7.4	-5.7
14S/02E-17C02	5.5	5.5	9.9	11.5
14S/02E-21L01	-6.0	-4.3	-4.2	-1.8
14S/02E-26H01	-12.3	-0.2	-8.7	-6.2
14S/02E-27A01	-9.9	-4.3	-6.3	-3.1
14S/02E-34B03	-21.8	-10.6	-10.8	-4.8
14S/02E-36E01	-15.7	-10.1	-10.2	-3.3
14S/03E-18C01	7.6	18.2	12.0	12.4
14S/03E-19G01	-16.0	-8.5	-10.1	-3.3
14S/03E-30G08	-17.4	Not Sampled	-12.0	-8.5
14S/03E-31F01	-11.4	-0.2	-6.0	-2.2
15S/02E-12C01	-13.0	-6.3	-11.0	-3.0
15S/03E-09E03	-15.1	-6.0	-2.6	2.9
15S/03E-13N01	-10.0	-0.8	-5.4	12.8
15S/03E-16M01	-6.0	5.8	5.6	11.5
15S/03E-17M01	-4.6	0.6	6.5	11.9
15S/03E-26F01	-8.1	11.4	3.4	12.5
15S/04E-31A02	16.6	29.6	33.4	41.5
16S/04E-05M02	18.7	40.3	38.8	47.9
16S/04E-13R02	63.9	72.4	77.0	85.3
16S/04E-15D01	30.6	58.7	50.9	58.6
16S/04E-15R02	35.0	69.5	57.4	64.3
16S/04E-25C01	55.2	80.1	74.9	79.8
16S/05E-30E01	60.7	85.2	79.1	85.0
16S/05E-31M01	70.0	91.2	89.4	94.8
17S/04E-01D01	75.9	90.1	81.1	100.9

Below Minimum Threshold	Above Minimum Threshold	Above Measurable Objective		
Monitoring Site	**Minimum Threshold**	**WY 2024 Groundwater Elevation**	**Interim Milestone at Year 2025**	**Measurable Objective (Goal to Reach at 2040)**
17S/05E-06C02	65.1	96.1	76.8	91.5
400-Foot Aquifer				
12S/02E-33H02	-3.0*	-3.2	2.5	3.0
13S/02E-10K01	-19.3	-4.3	-19.3	-16
13S/02E-21N01	-6.3	-0.4	-5.3	-3
13S/02E-24N01	-7.0	-2.0	-1.5	0.0
13S/02E-27P01	-44.5	-19.4	-26.6	-20.8
13S/02E-31N02	-5.0	2.0	-1.5	-0.4
13S/02E-32J03	-14.2	-0.5	-8.7	-7
14S/02E-02C03	-29.9	-29.7	-26.8	-20.0*
14S/02E-03F03	-13.5	-10.7	-10.2	-5.2
14S/02E-05K01	-15.9	-7.8	-2.6	-1.5
14S/02E-08M02	-5	-1.0	-2.7	-1
14S/02E-11A04	-25.1	-21.6	-24.4	-17.5
14S/02E-11M03	-30	-23.3	-23.0	-20
14S/02E-12B03	-27.8	-23.0	-25.8	-18.5
14S/02E-12Q01	-13.6	0.0	-10.5	-9.3
14S/02E-16A02	-19.6	-11.4	-12.9	-7.9
14S/02E-15K01	-26.3	-14.9	-10.0	-3.2
14S/02E-23A02	-25	-20.3	-23.3	-20
14S/03E-19C51	-26.4	-28.6	-25.6	-17.4
14S/02E-34A03	-12.4	-5.7	-11.9	-7.5
14S/02E-36G01	-13.7	-8.6	-7.4	-0.1
14S/03E-18C02	-19.7	Not Sampled	-16.9	-12.5
14S/03E-20C01	-41	-42.0	-39.5	-35
14S/03E-29F03	-26	-23.0	-21.0	-15
14S/03E-31L01	-9	-6.0	-7.5	-3
15S/02E-01A03	-15.3	-12.1	-9.7	-0.7
15S/02E-02G01	-28	-13.1	-20.1	-11.2
15S/02E-12A01	-17.1	-12.2	-11.5	-4.7
15S/03E-03R02	-17	-3.0	-6.3	-1
15S/03E-04Q01	-11	-4.0	-4.5	0
15S/03E-05C02	-16	-10.0	-13.3	-5
15S/03E-08F01	-17.8	Not Sampled	-12.9	-5.2
15S/03E-14P02	-11.7	3.1	-3.6	8.4
15S/03E-15B01	-14.1	0.2	-2.7	5.8

Below Minimum Threshold	Above Minimum Threshold	Above Measurable Objective		
Monitoring Site	**Minimum Threshold**	**WY 2024 Groundwater Elevation**	**Interim Milestone at Year 2025**	**Measurable Objective (Goal to Reach at 2040)**
15S/03E-16F02	-6.5	7.0	1.6	5
15S/03E-17P02	-17	-8.0	-6.5	-2
15S/03E-26A01	-4.5	10.5	7.6	15
15S/03E-28B02	-0.5	12.0	6.8	15
15S/04E-29Q02	5.8	30.5	21.5	33.9
16S/04E-04C01	11.7	42.6	37.6	47.2
16S/04E-08H03	24.6	49.8	45.8	54.7
16S/04E-10R02	40.7	56.5	58.1	67.2
16S/04E-25G01	51.3	75.7	71.8	76.4
16S/05E-30J02	67.2	85.7	84.9	90.7
Deep Aquifers				
13S/01E-36J02	-4.2	-10.2	-6.7	2.0*
13S/02E-19Q03	-2.4	-9.1	-5.1	6.3
13S/02E-28L03	-20.4*	-36.1	-29.6	-15.4*
13S/02E-32E05	-9.2	-14.8	-10.6	1.6
14S/02E-06L01	-7.2	-12.6	-10.3	3.0
14S/02E-20E01	-23.7	-29.1	-26.1	-18.7
14S/02E-22A03	-45.1*	-54.5	-87.4	-40.1*
14S/02E-07J03	-9.5	-9.7	-15.2	-4.4
14S/02E-14R02	-30.8	-33.6	-35.1	-25.8
14S/02E-21K04	-44.4	-32.5	-47.1	-39.4
14S/02E-23J02	-42.2	-44.1	-46.8	-37.2
14S/02E-25A03	-31.5	-36.7	-36.9	-26.5
14S/02E-26G01	-31.3	-29.7	-36.2	-26.3
14S/02E-27K02	-33.8	-45.2	-38.3	-28.8
14S/02E-28H04	-58	-59.3	-67.6	-43
14S/02E-35B01	-28.8	-38.6	-34.5	-23.8
14S/03E-19C01	-51.7	-47.5	-57.2	-46.7
15S/02E-12C02	TBD	-35.9	TBD	TBD
16S/05E-30F02	TBD	42.8	TBD	TBD
13S/02E-26L02	TBD	-55.6	TBD	TBD

In feet, NAVD88

*Groundwater elevation was estimated.

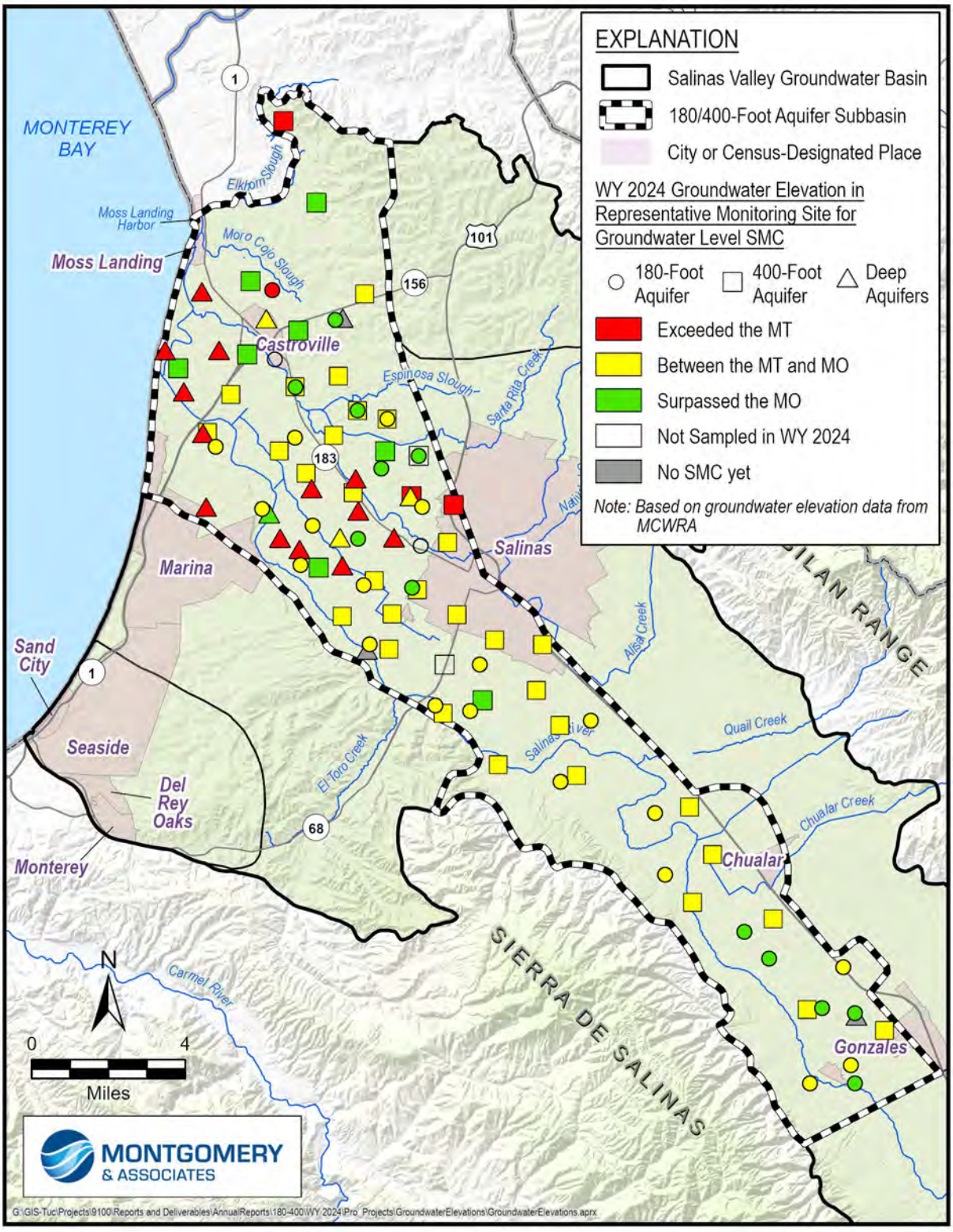


Figure 4-1. Groundwater Elevations Compared to the Minimum Thresholds and Measurable Objectives

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, 12 RMS wells in the 180-Foot Aquifer, 8 in the 400-Foot Aquifer, and 1 in the Deep Aquifers 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 2025 interim milestones for groundwater elevations are also shown in Table 4-7. The WY 2024 groundwater elevations in 61 RMS wells (25 wells in the 180-Foot Aquifer, 27 wells in the 400-Foot Aquifer, and 9 wells in the Deep Aquifers) are already higher than the 2025 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 in any single aquifer.*

Table 4-7 shows that groundwater levels in 3% of RMS wells in the 180-Foot Aquifer, 7% in the 400-Foot Aquifer, and 82% in the Deep Aquifers exceeded their minimum thresholds. Although only the Deep Aquifers had exceedances greater than 15%, they constitute an undesirable result for the Subbasin. Groundwater elevation minimum threshold exceedances, compared with the undesirable result, are shown on Figure 4-2. If a value is in the shaded red area, it constitutes an undesirable result. This graph is updated annually with new data to demonstrate the sustainability indicator's direction toward sustainability. Starting next year, undesirable results will be assessed based on the RMS wells for which there is a fall measurement.

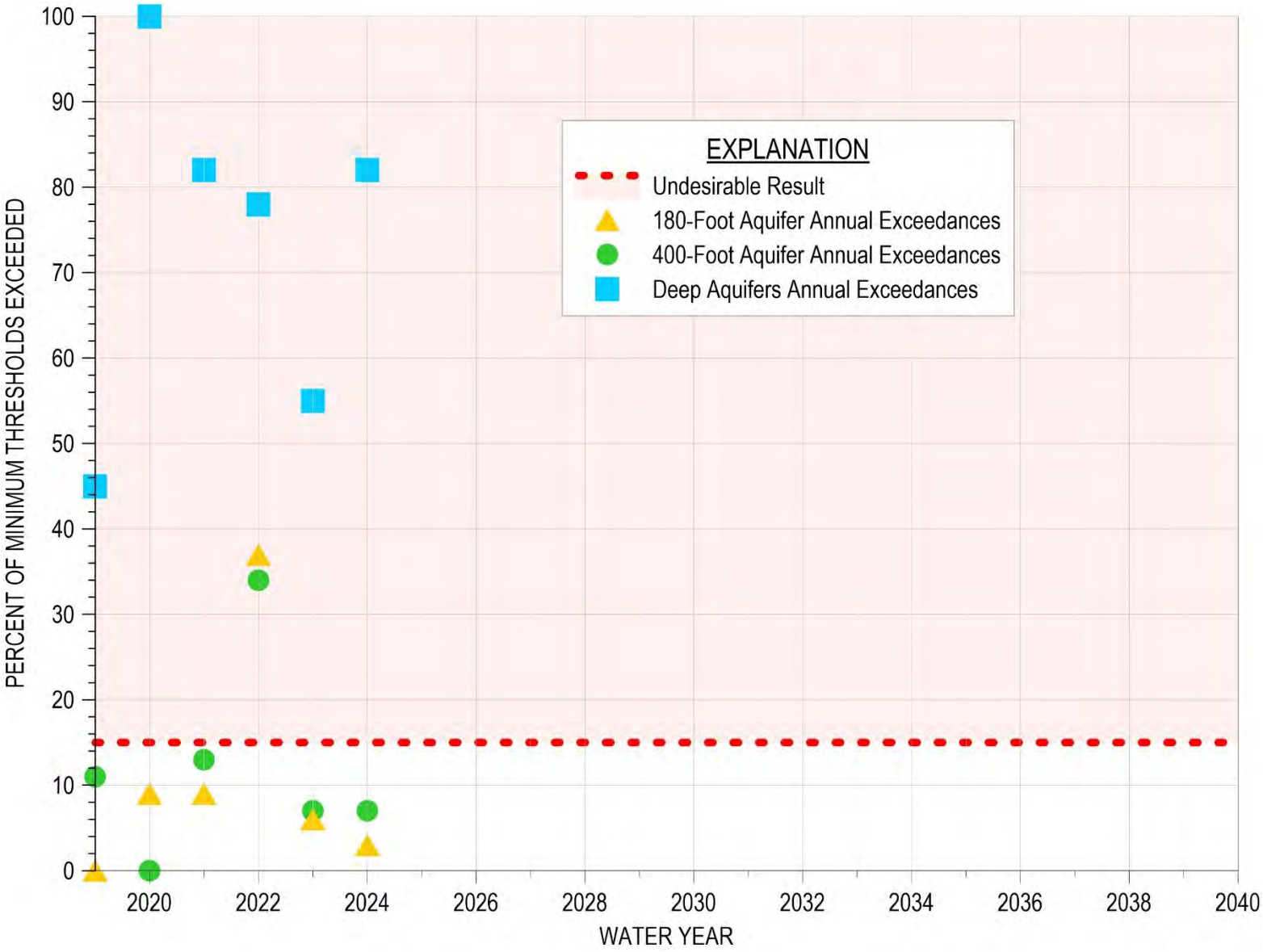


Figure 4-2. Groundwater Elevation Exceedances Compared to the Undesirable Result

4.2.2 Reduction in Groundwater Storage SMC

4.2.2.1 Minimum Thresholds

The metric used to measure the reduction in storage SMC was changed in GSP Amendment 1. The minimum threshold for reduction in groundwater storage is set to the amount of groundwater that is in storage when groundwater elevations and seawater intrusion are at their minimum thresholds. The minimum threshold for reduction in storage is 626,000 AF below the measurable objective. Total change in groundwater storage between minimum threshold conditions and measurable objective conditions is the sum of the storage change due to groundwater elevations (90,000 AF) and the storage change due to seawater intrusion (536,000 AF). Section 8.7.2.1 of GSP Amendment 1 describes the information and methodology used to establish the minimum threshold for reduction of groundwater storage. This methodology does not include the Deep Aquifers, but it will be revised in the 2027 GSP Periodic Evaluation. The amount of groundwater in storage was above the minimum threshold by approximately 39,000 AF in WY 2024. Although pumping is not the metric for establishing change in groundwater storage, the GSA is 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 AF when groundwater elevations are at their measurable objectives. Section 8.7.3.1 of GSP Amendment 1 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 587,000 AF below the measurable objective. Since WY 2023, the amount of groundwater in storage has increased by 10,000 AF based on the methodology established for the reduction in groundwater storage SMC.

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 minimum threshold, therefore, an undesirable result does not exist. A mistake was found in the calculation used to assess the reduction in storage SMC for previous years. Table 4-8 shows the updated WY 2019-2023 annual data against the SMC. Figure 4-3 shows the volume of groundwater needed to reach the measurable objective compared to the change in storage undesirable result as per Table 4-8. If a value is in the shaded red area, it constitutes an undesirable result. This graph is updated annually with new data to demonstrate the sustainability indicator's direction toward sustainability.

Table 4-8.Updated Annual Data Against Reduction in Storage SMC

	2019	2020	2021	2022	2023
Gain in storage needed to reach Measurable Objective (AF)	562,000	577,000	604,000	633,000	597,000
Subbasin Groundwater Level Undesirable Result	No undesirable result	No undesirable result	No undesirable result	Undesirable result	No undesirable result

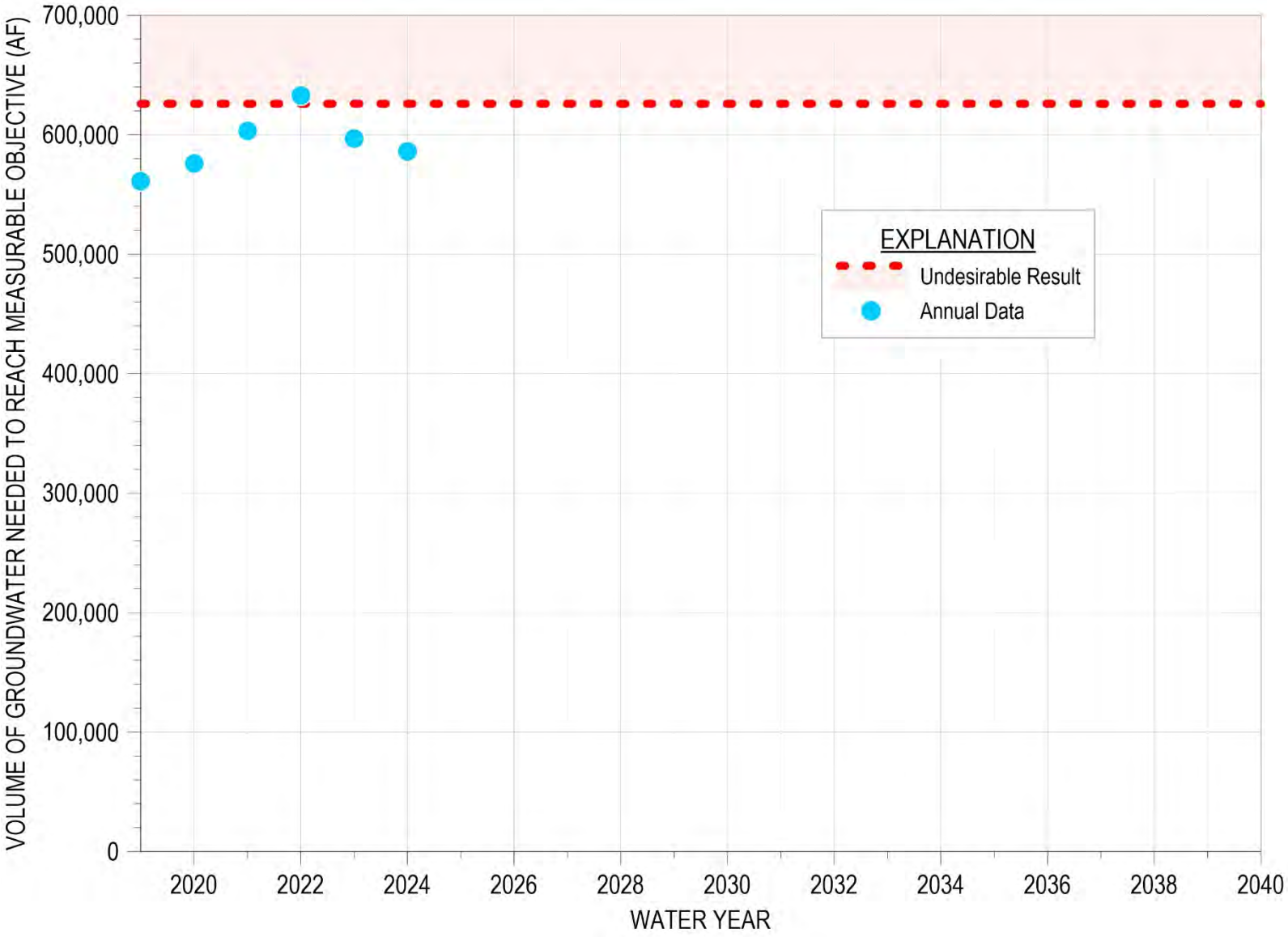


Figure 4-3. Groundwater in Storage Compared to the Undesirable Result

4.2.3 Seawater Intrusion SMC

4.2.3.1 Minimum Thresholds

The minimum threshold for seawater intrusion is defined by a chloride concentration isocontour of 500 mg/L for each principal aquifer where seawater intrusion may lead to undesirable results. Section 8.8.2.1 of GSP Amendment 1 describes the information and methodology used to establish minimum thresholds for seawater intrusion. In the 180/400 Subbasin, the 2017 extent of the 500 mg/L chloride concentration isocontour as mapped by MCWRA is adopted as the seawater intrusion minimum threshold for both the 180-Foot and 400-Foot Aquifers, depicted as the red lines on Figure 4-4 and Figure 4-5. The line defined by Highway 1 is adopted as the seawater intrusion minimum threshold for the Deep Aquifers.

As described in Section 3.3, seawater intrusion in 400-Foot Aquifer increased slightly in WY 2024 and did not advance in the 180-Foot Aquifer. Figure 4-4 and Figure 4-5 show that the extent of seawater intrusion in the 180-Foot Aquifer and 400-Foot Aquifer exceed the 2017 extents in WY 2024 and therefore exceed the minimum thresholds.

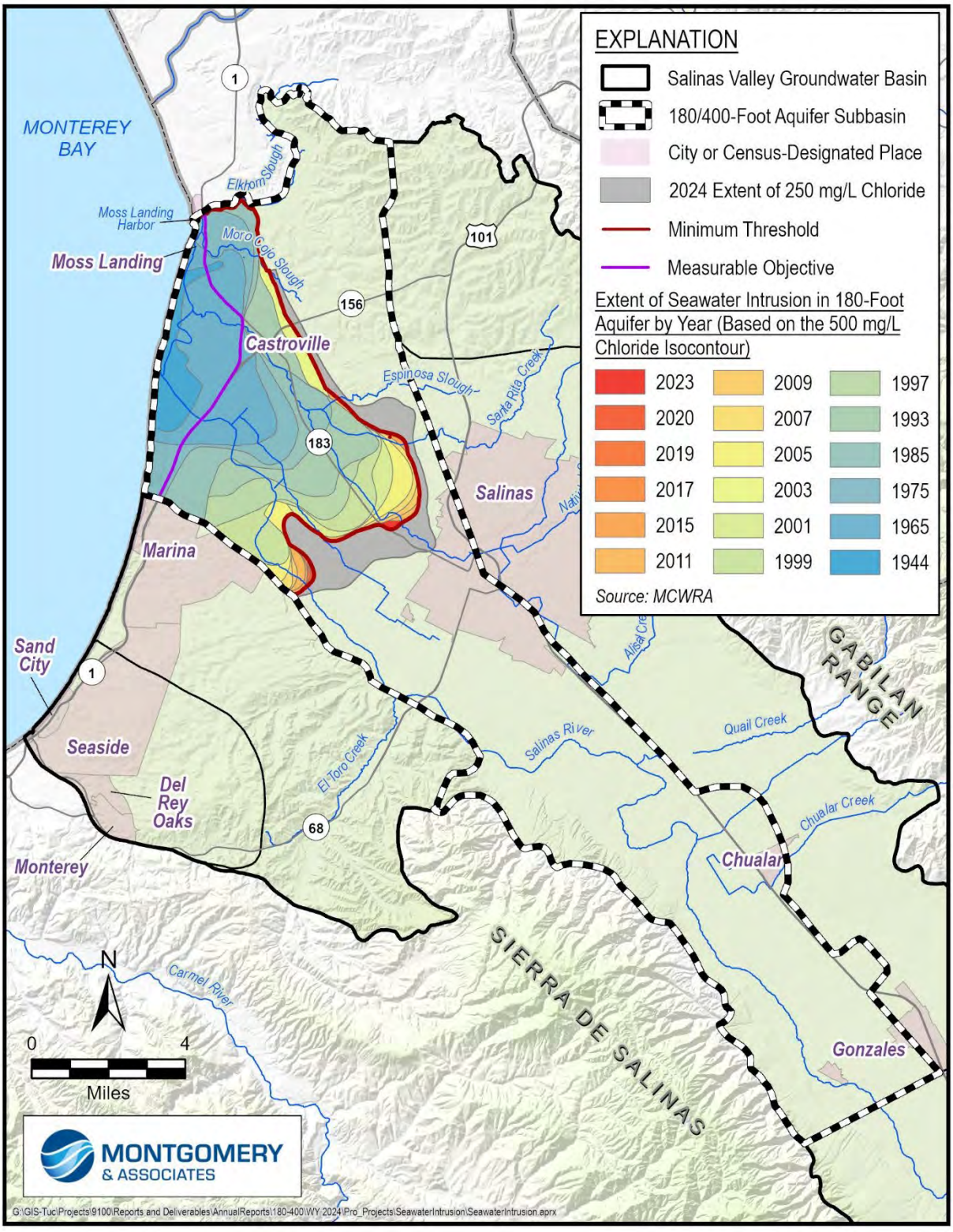


Figure 4-4. 180-Foot Aquifer Seawater Intrusion Compared to the Minimum Threshold and Measurable Objective

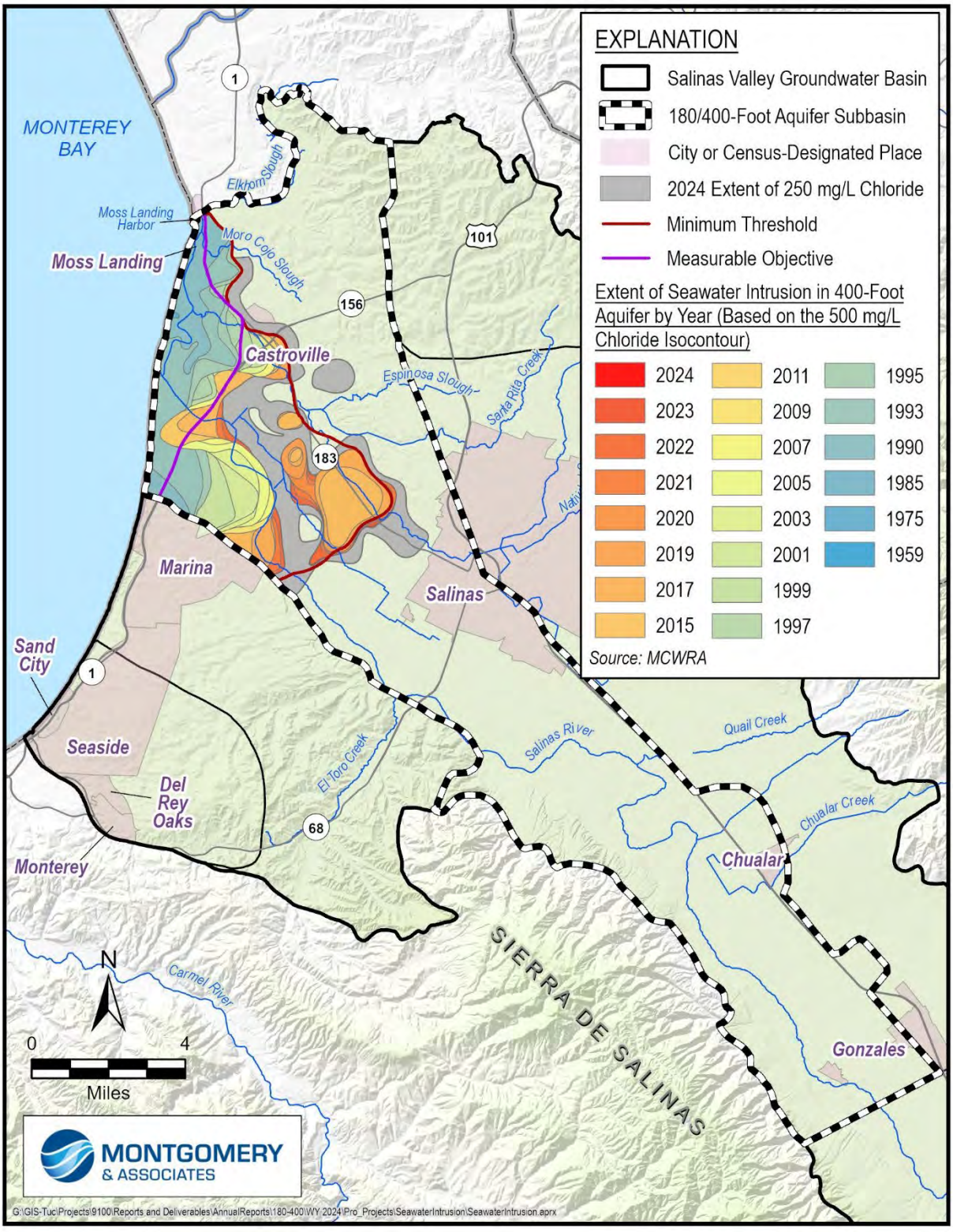


Figure 4-5. 400-Foot Aquifer Seawater Intrusion Compared to the Minimum Threshold and Measurable Objective

4.2.3.2 Measurable Objectives and Interim Milestones

The seawater intrusion measurable objective for the seawater intrusion SMC is set to the line defined by Highway 1; therefore, to reach measurable objectives, the 500 mg/L chloride isocontour has to be pushed back to the purple lines on Figure 4-4 and Figure 4-5.

To show progress toward measurable objectives, DWR assesses interim milestones at 5-year intervals. The interim milestones for seawater intrusion are:

- 5-Year: identical to current conditions
- 10-year: one-third of the way from current conditions to the measurable objective
- 15-year: two-thirds of the way from current conditions to the measurable objective

Because seawater intrusion in both the 180-Foot Aquifer and 400-Foot Aquifer in WY 2024 is still exceeding the minimum thresholds, seawater intrusion is not yet progressing toward the interim milestones. The extent of seawater intrusion slightly increased in both the 180-Foot Aquifer and the 400-Foot Aquifer within the Subbasin. The slowing rate of intrusion in the aquifers could make it easier to move toward measurable objectives in future years.

4.2.3.3 Undesirable Result

The seawater intrusion undesirable result is a quantitative combination of chloride concentrations minimum threshold exceedances. Each aquifer has a minimum threshold. Because even localized seawater intrusion is not acceptable, the subbasin-wide undesirable result is zero exceedances of minimum thresholds. For the Subbasin, the seawater intrusion undesirable result is:

On average in any one year there shall be no exceedances of any minimum threshold.

Figure 4-4 and Figure 4-5 show that the 2024 extent of seawater intrusion in the 180-Foot Aquifer and 400-Foot Aquifer exceeded the 2017 extents, and therefore cause an undesirable result. Insufficient data are available to map the extent of seawater intrusion in the Deep Aquifers. This is a data gap that the SVBGSA will address during GSP implementation.

4.2.4 Degraded Groundwater Quality SMC

4.2.4.1 Minimum Thresholds

The degraded groundwater quality minimum thresholds were established for each COC based on the number of supply wells monitored that had higher concentrations than the regulatory standards for drinking water and irrigation water during the most recent sampling event. Section 8.9.2.1 of GSP Amendment 1 describes the information and methodology used to establish minimum thresholds for degraded groundwater quality. The minimum threshold values

for each COC for the wells within the groundwater quality monitoring network are provided in Table 4-9. Based on the additional ILRP data provided by CCRWQCB, the minimum thresholds for chloride, manganese, nitrate, nitrite, specific conductance, sulfate, and total dissolved solids were adjusted for the ILRP on-farm domestic well to account for the additional ILRP data provided by CCRWQCB. No other minimum thresholds for the ILRP wells were revised.

Table 4-9 also shows the wells with concentrations higher than the regulatory standard in WY 2024 discussed in Section 3.5, and the running total of wells with concentrations higher than the regulatory standard, which are used to assess the minimum thresholds. 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 2017 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 grower's 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 2017. The last column in Table 4-9 includes the number of wells above the 2017 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 2017 when the minimum threshold was established. In WY 2024, groundwater quality minimum thresholds for 13 COCs were exceeded.

Compared to WY 2023, the methyl-tert-butyl ether (MTBE) minimum threshold is no longer being exceeded in WY 2024.

Table 4-9. Minimum Thresholds and Measureable Objectives for Degradation of Groundwater Quality

Constituent of Concern (COC)	Minimum Threshold/ Measurable Objective (existing exceedances of Regulatory Standard in 2017)	Number of Wells Sampled in 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	0	34	2	2
Aluminum	1	17	0	-1
Arsenic	2	19	1	-1
Chloride	3	13	5	2
Chromium	1	17	0	-1
Chromium, Hexavalent (Cr6)	17	5	16	-1
Di(2-ethylhexyl) phthalate	2	9	0	-2
Foaming Agents (MBAS)	7	9	0	-7
Gross Alpha radioactivity	4	15	3	-1
Iron	8	12	10	2
Manganese	3	14	9	6
Methyl-tert-butyl ether (MTBE)	0	21	0	0
Nitrate (as nitrogen)	9	77	11	2
Selenium	1	17	0	-1
Specific Conductance	6	17	7	1
Sulfate	1	10	0	-1
Total Dissolved Solids	6	13	9	3
ILRP On-Farm Domestic Wells				
Chloride	17	0	13	-4
Iron	9	0	10	1
Manganese	2	0	2	0
Nitrate (as nitrogen)	63	0	67	4
Nitrate + Nitrite (sum as nitrogen)	12	24	48	36
Nitrite	2	0	2	0
Specific Conductance	59	32	92	33
Sulfate	4	0	4	0
Total Dissolved Solids	64	1	71	7
ILRP Irrigation Wells				
Chloride	26	0	28	2
Iron	2	0	2	0
Manganese	2	0	2	0

4.2.4.2 Measurable Objectives and Interim Milestones

The measurable objectives for degradation of groundwater quality represent a target number of wells with COC concentrations above the regulatory standard and are set at the 2017 baseline to aim for no degradation. Because SGMA does not require the improvement of groundwater quality, the 2020 GSP and GSP Amendment 1 include measurable objectives identical to the minimum thresholds, as defined in Table 4-9. Interim milestones are also set at the minimum threshold levels. Although there were 13 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 will complete this analysis—as well as the baseline analysis to address the RCAs—for to the 2027 GSP Periodic Evaluation for the other SVBGSA subbasins to ensure all subbasins under their jurisdiction are aligned.

4.2.4.3 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.*

This undesirable result statement was revised as part of GSP Amendment 1 based on DWR's 2020 GSP review and RCAs. SVBGSA, MCWDGSA, and ASGSA submitted GSPs for the other 5 subbasins in the Salinas Valley in 2022 and received 3 RCAs related to groundwater quality. To address these, SVBGSA will compare the baseline for the water quality minimum thresholds to 2015, and will conduct an analysis of 2015 groundwater quality in relation to groundwater levels and extraction. Additionally, SVBGSA will 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. While DWR did not note these RCAs for the 180/400 Subbasin, SVBGSA plans to take a Valley-wide approach and apply the same analyses and changes to the 180/400 Subbasin.

Table 4-9 shows that compared to the WY 2017 baseline, 13 constituents exceeded their minimum thresholds in WY 2024. Since SVBGSA has 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 results, are shown on Figure 4-6. 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.

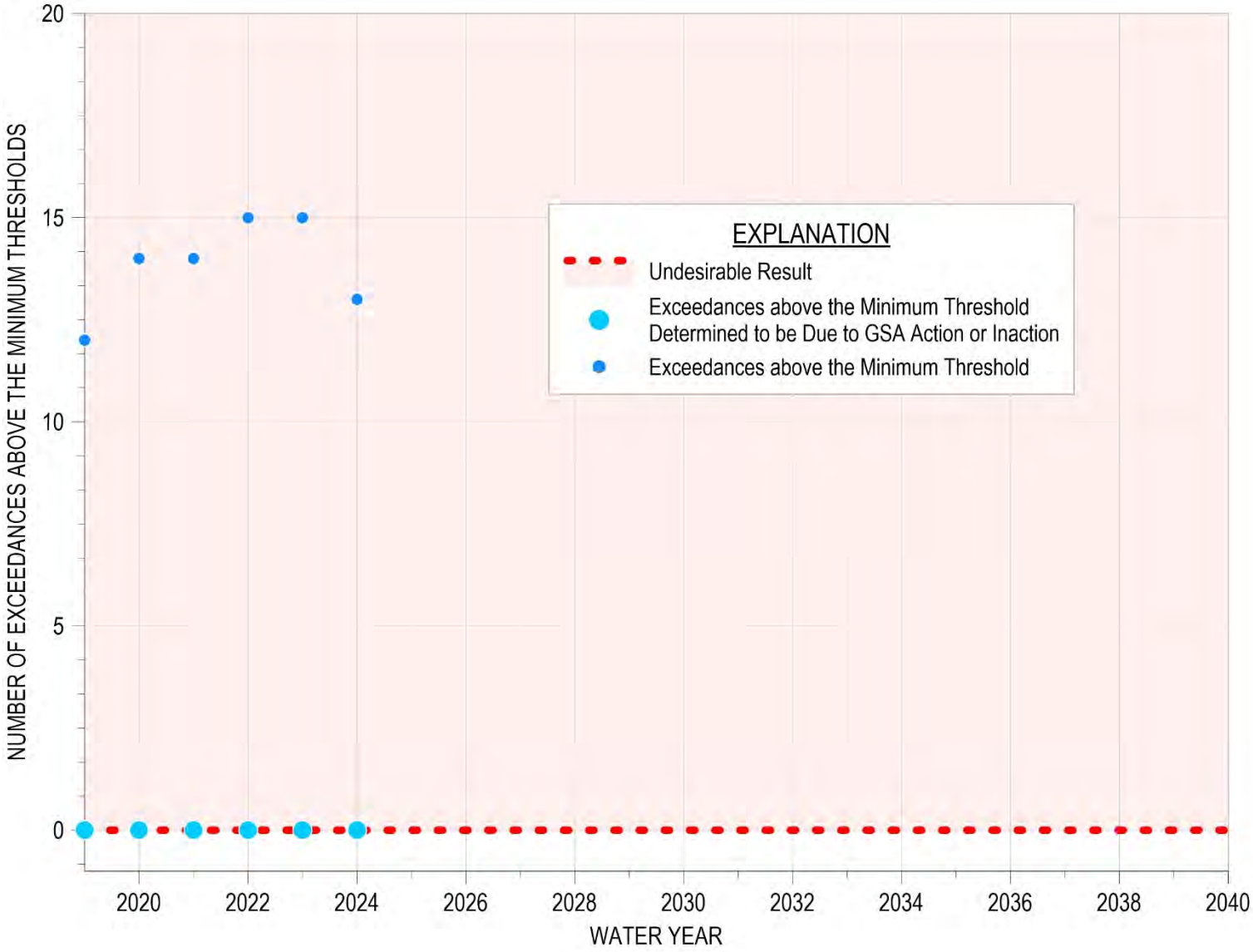


Figure 4-6. Groundwater Quality Minimum Threshold Exceedences Compared to the Undesirable Result

4.2.5 Land Subsidence SMC

4.2.5.1 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 0.1 foot per year of estimated land movement to account for InSAR errors. Section 8.10.2.1 of GSP Amendment 1 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 demonstrated less than the minimum threshold of 0.1 foot/year, as shown on Figure 3-26.

4.2.5.2 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 0.1 foot per year of estimated land movement to account for InSAR errors. Figure 3-26 demonstrates that data from October 2023 to October 2024 showed less than the measurable objective of no more than 0.1 foot per year of measured subsidence is being met. The interim milestones are identical to minimum threshold of 0.1 foot per year. The latest subsidence data shows that the 2025 subsidence interim milestone is already being met.

4.2.5.3 Undesirable Result

The land subsidence undesirable result is a quantitative combination of subsidence minimum threshold exceedances. For the 180/400 Subbasin, no long-term subsidence that impacts infrastructure 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 0.1 foot per year. The latest land subsidence, 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 4-7. 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 current status of the sustainability indicator.

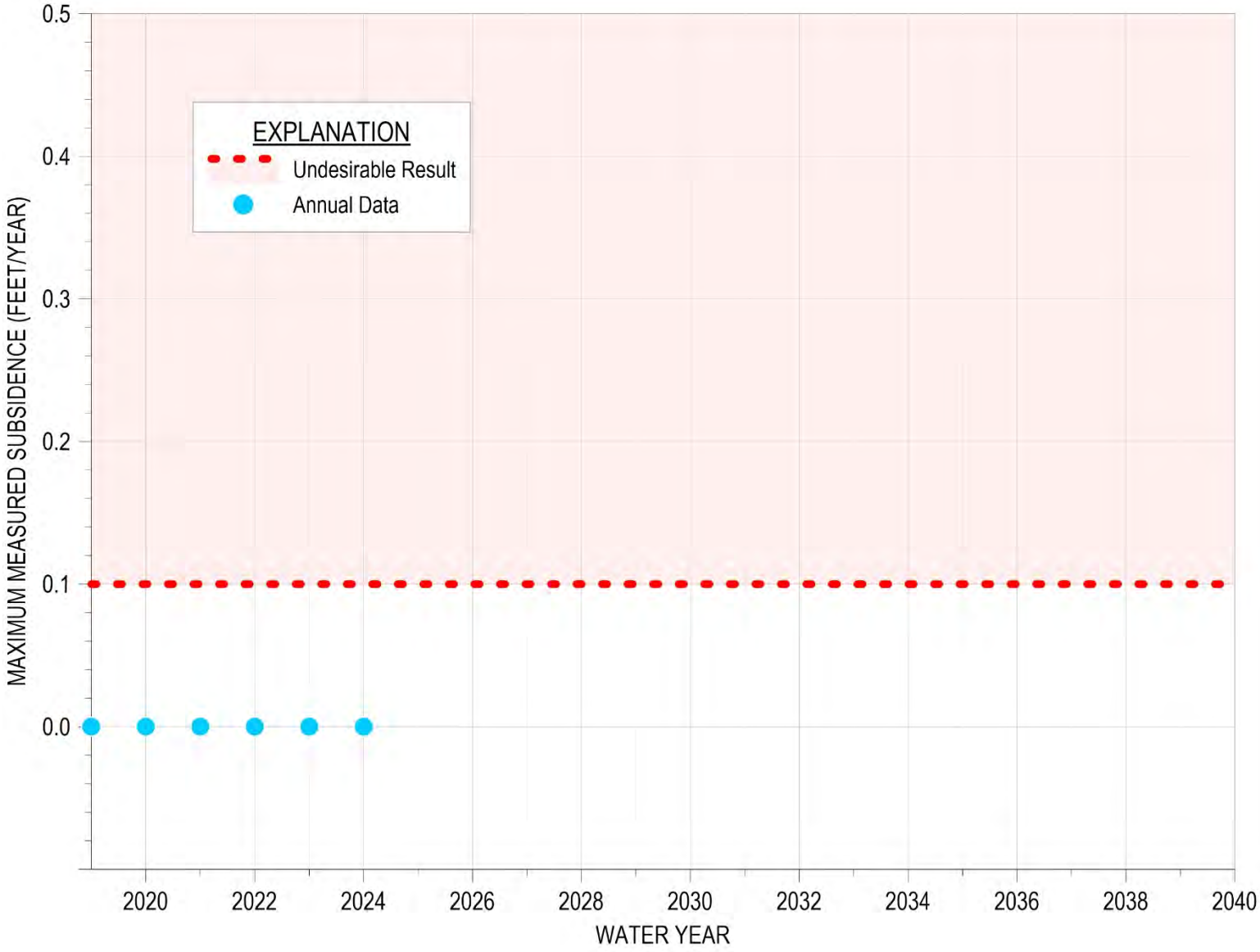


Figure 4-7. Maximum Measured Subsidence Compared to the Undesirable Result

4.2.6 Depletion of Interconnected Surface Water SMC

4.2.6.1 Minimum Thresholds

The GSP Amendment 1 changed the metric used to measure the ISW SMC, shifting to the approach taken in other Salinas Valley subbasins. 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 as described in Section 8.11.2.1 of the GSP Amendment 1. ISW minimum thresholds were set to 1 foot above 2015 shallow groundwater elevations and are included in Table 4-10. 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, the existing monitoring well was below its minimum threshold. SMC for RMS well 15S/03E-26E02 (180/400-ISW-1) are yet to be developed, as indicated in Table 4-10.

Minimum thresholds are not established for times when flow in a river is due to conservation releases from a reservoir. In part, 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. DWR approved the SVBGSA 2022 GSPs with an RCA related to the ISW SMC, which noted that SVBGSA should establish SMC for all conditions within the Subbasin whether conservation releases are occurring or not. SVBGSA will use DWR's forthcoming guidance on ISW to review the SMC. While this RCA was not part of the 180/400 Subbasin determination letter, SVBGSA plans to take a Valley-wide approach and also apply any future adjustments to the 180/400 Subbasin.

Table 4-10. 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 Elevation**	**Interim Milestone at Year 2025**	**Measurable Objective (Goal to Reach at 2040)**
15S/03E-26E02	TBD	12.1	TBD	TBD
16S/05E-31P02	80.0*	94.8	90.6	94.7

In feet, NAVD88

*Groundwater elevation estimated

4.2.6.2 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 objective for the existing monitoring well is listed in Table 4-10 and is set to 2003 shallow groundwater elevations. The ISW monitoring well are above measurable objective.

Table 4-10 also lists the 2025 interim milestone. To show progress toward measurable objectives, DWR assesses interim milestones at 5-year intervals. The WY 2024 groundwater elevation for the ISW monitoring well was higher than the 2025 interim milestones.

4.2.6.3 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, groundwater pumping, recharge of the aquifer from streamflow, losses to 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 2015 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 4-10 shows that there was no exceedances of the ISW minimum threshold; therefore, an ISW undesirable result does not exist. The ISW minimum threshold exceedances, compared with the undesirable results, are shown on Figure 4-8. If a value is in the shaded red area, it constitutes an undesirable result. This graph is updated annually with new data to demonstrate the sustainability indicator's direction toward sustainability.

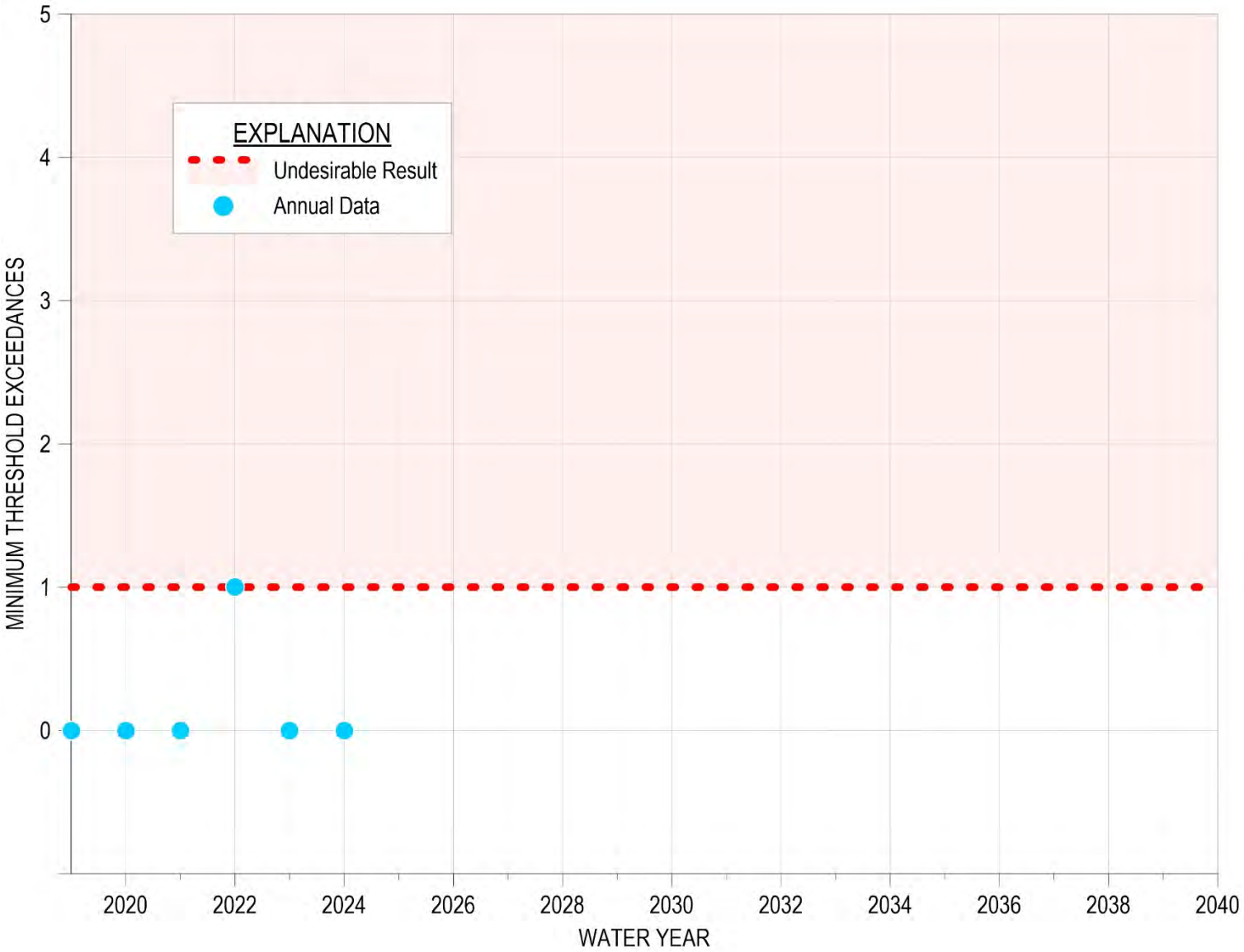


Figure 4-8. Shallow Groundwater Elevation Exceedances Compared to the Undesirable Result

5 CONCLUSION

This 2024 Annual Report updates data and information for the 180/400 Subbasin GSP from WY 2023 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 meets the regulations set forth in the SGMA GSP Regulations.

Results show that after a second consecutive wet water year groundwater conditions have slightly improved or remained stable. From WY 2023 to WY 2024, groundwater elevations rose in the 180-Foot, 400-Foot, and Deep Aquifers on average. While the exceedances in the 180-Foot and 400-Foot Aquifers remained below the minimum threshold, the exceedances of the minimum threshold in the Deep Aquifers constitute an undesirable result for the Chronic Lowering of Groundwater Levels for the Subbasin. Change in groundwater storage, as measured by groundwater elevation and seawater intrusion changes, was above the minimum threshold by approximately 39,000 AF in WY 2024. Although seawater intrusion only advanced minimally in the 400-Foot Aquifer, the seawater intrusion in both the 180-Foot and 400-Foot Aquifers constitute an undesirable result in WY 2024. Groundwater quality data showed 13 exceedances of the minimum thresholds, none were determined to be caused by a direct result of GSA groundwater management action or inaction. Negligible subsidence was observed in WY 2024. Finally, the groundwater elevation in the shallow monitoring well used to monitor ISW was above its measurable objective; SMC for the new ISW RMS well have not been established yet.

In WY 2024, SVBGSA continued to actively engage stakeholders and coordinate with partner agencies. The SVBGSA continues to convene its subbasin committees, Advisory Committee, and Board of Directors. This year, SVBGSA continued to fill data gaps, funded infrastructure improvements, and advanced feasibility studies to implement the GSP. With the SGM Round 1 Implementation Grant, SVBGSA funded immediate improvements that help reduce groundwater extraction associated with CSIP and continued development of 3 feasibility studies to identify the most appropriate method to address seawater intrusion: the Brackish Groundwater Restoration Project, ASR, and demand management. Finally, SVBGSA moved forward with complementary studies and programs: the Deep Aquifers Study, the Salinas River Stream Maintenance Study, and the MLRP.

6 REFERENCES

Brown and Caldwell. 2015. *State of the Salinas River Groundwater Basin - Hydrology Report*. Monterey County Water Resources Agency Water Reports. http://digitalcommons.csumb.edu/hornbeck_cgb_6_a/21.

California Department of Water Resources (DWR). 1973. *Seawater Intrusion Lower Salinas Valley*. Bulletin 118 Interim Update 1973.

_____. 2018. Guidance for Climate Change Data During Groundwater Sustainability Plan Development. 101 p. https://water.ca.gov/-/media/DWR-Website/WebPages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/BestManagement-Practices-and-Guidance-Documents/Files/Resource-Guide-ClimateChange-Guidance_v8_ay_19.pdf.

_____. 2024. SGMA Data Viewer: Land Subsidence. https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub.

CCRWQCB (Central Coast Regional Water Quality Control Board). 2019. *Water Quality Control Plan for the Central Coast Basin, June 2019 Edition*. California Environmental Protection Agency. https://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan/docs/2019_basin_plan_r3_complete_webaccess.pdf

Durbin, Timothy J., G.W. Kapple and J.R. Freckleton. 1978. *Two-Dimensional and Three-Dimensional Digital Flow Models of the Salinas Valley Ground-Water Basin, California*. U.S. Geological Survey. Water Resources Investigations Report 78-113. Prepared in cooperation with the U.S. Army Corps of Engineers. 134 p.

Feeney, Martin B., and L.I. Rosenberg. 2003. *Deep Aquifer Investigation—Hydrogeologic Data Inventory, Review, Interpretation and Implications*.

HLA. 1994. *Basewide Hydrogeologic Characterization, Fort Ord, California.* U.S. Department of the Army.

M1W (Monterey One Water). 2024. MCWRP Operations and Maintenance Update. Presented to the Water Quality and Operations Committee. January 2024.

MCWRA (Monterey County Water Resources Agency). 2005. *Salinas Valley Water Project Flow Prescription for Steelhead Trout in the Salinas River.*

_____. 2015. CASGEM Monitoring Plan for High and Medium Priority Basins in the Salinas Valley Groundwater Basin.

_____. 2024a. Salinas Valley Water Conditions: Fourth Quarter of Water Year 2023-2024. https://www.countyofmonterey.gov/home/showpublisheddocument/136802/638670927643830000

_____. 2024b. Reservoir Elevation and Storage. Received 7 January.

Montgomery & Associates (M&A). 2024. Salinas Valley Deep Aquifers Study. Prepared for the Salinas Valley Basin Groundwater Sustainability Agency and Collaborative Funding Partners. Available at: https://svbgsa.org/wp-content/uploads/2024/05/Deep-Aquifers-Study-Report_no-appendices_compressed.pdf

State Water Resources Control Board (SWRCB). 2024a. Water Conservation Emergency Regulations. Downloaded 11/4/2024. Available at: https://www.waterboards.ca.gov/water_issues/programs/conservation_portal/regs/emergency_regulation.html#reg.

_____. 2024b. Electronic Water Rights Information Management System (eWRIMS). Accessed January 27, 2024. https://ciwqs.waterboards.ca.gov/ciwqs/ewrims/reportingDiversionDownloadPublicSetup.do.

_____. 2024c. Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System Website. Accessed January 27, 2024. https://gamagroundwater.waterboards.ca.gov/gama/datadownload.

Appendix A

Technical Memorandum on Hydrogeologic Conceptual Model Update for the 180/400 Subbasin

MONTGOMERY & ASSOCIATES
Water Resource Consultants

Groundwater experts since 1984

TECHNICAL MEMORANDUM

DATE: December 18, 2024 **PROJECT #:** 9100

TO: Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA)

FROM: Victoria Hermosilla, P.G., Abby Ostovar, Ph.D., Tiffani Cañez, Derrik Williams, P.G., C.Hg.

REVIEWED BY: Amy Woodrow, MCWRA, Joe Oliver, P.G.

PROJECT: Salinas Valley Hydrogeological Conceptual Model (HCM) Update

SUBJECT: 180/400-Foot 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 180/400-Foot Aquifer Subbasin (Subbasin, or 180/400 Subbasin) Groundwater Sustainability Plan (GSP) (SVBGSA, 2020). 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 Marina Coast Water District Groundwater Sustainability Agency (MCWD GSA) and their consultant EKI Environment & Water, Monterey County Water Resources Agency (MCWRA), and California American Water. The updated HCM strengthens and refines the geologic model that forms the basis for the groundwater flow modeling.

The HCM update focused on key areas where new data indicated an updated understanding was needed. The primary updates to the HCM included the following:

- Refining the extents and depths of coastal aquitards including the Salinas Valley Aquitard (SVA), and incorporating data-supported gaps and thin-spots in the 180/400 Aquitard
- Updating the thickness of the 400-Foot Aquifer in the southern portion of the Subbasin
- Refining the location and depth of the Deep Aquifers based on results of the Deep Aquifers Study
- Updating the depth of the bedrock surface and offshore geology

- Refining the boundary of the 180/400 Subbasin with the Corral de Tierra portion of the Monterey Subbasin

This memo summarizes the data used, the analyses and methods employed, and the findings for the updated 180/400 Subbasin HCM.

DATA

The data used to update the HCM include published cross sections and reports, well completion reports (WCRs), numerical groundwater flow model layers, geophysical data, and geologic maps, as detailed in the following subsections.

Published Cross Sections and Reports

The 2020 GSP and 2022 GSP Amendment 1 summarized published cross sections and reports. For this HCM update, the following reports and cross sections were re-reviewed, compared with new data and information, and incorporated into the revised HCM. These included:

- *Hydrogeologic Investigation of Salinas Valley Basin in the Vicinity of Fort Ord and Marina Salinas Valley, California - Final Report* (Harding ESE, 2001)
- *El Toro Groundwater Study Monterey County, California (*GeoSyntec, 2007)
- *Accompanying Documentation Geologic Map and Cross-Sections from El Toro to Salinas Valley (*GeoSyntec, 2010)
- *Deep Aquifer Investigation - Hydrogeologic Data Inventory, Review, Interpretation and Implications (*Feeney and Rosenberg, 2003)
- *Final Report, Hydrostratigraphic Analysis of the Northern Salinas Valley* (Kennedy/Jenks, 2004)
- *Hydrogeologic Report on the Deep Aquifer, Salinas Valley, Monterey County, California* (Thorup, 1976 and 1983)
- *Map Series — Monterey Canyon and Vicinity, California: U.S. Geological Survey Open-File Report 2016–1072* (Dartnell et al, 2016)
- *Deep Aquifers Study* (M&A, 2024a)

Well Completion Reports (WCRs)

WCRs 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 (OSWCR) database, the Monterey County Health Department (MCHD), MCWRA, other collaborating partner agencies, and private entities. In particular, MCWRA provided hundreds of well completion reports that were primarily used to update and refine the depths and thicknesses of the aquitards in key areas.

Numerical Groundwater Flow Model Layers

Previous and current groundwater flow models reflect various conceptual understandings of the Subbasin. Models reviewed for the HCM update included:

- The Salinas Valley Geologic Model (Sweetkind, 2023) defines the spatial extent, depth, and distribution of geologic material textures for the provisional Salinas Valley Integrated Hydrologic Model (SVIHM). It is being developed by the USGS, which covers the entire Salinas Valley and includes a geological framework with documentation.
- The Monterey Subbasin Groundwater Flow Model (MBGWFM) (EKI, 2022). This model was developed for MCWD and informed the 2022 Monterey Subbasin GSP. It covers the Monterey Subbasin and adjacent part of the 180/400 Subbasin southwest of the Salinas River.
- The Seaside Subbasin Model (HydroMetrics Water Resources, 2009). This model was developed for the Seaside Basin Watermaster and covers the Seaside Subbasin and adjacent part of the Monterey Subbasin.
- The Salinas Valley Seawater Intrusion Model (SWI Model) (M&A, 2023; 2024b). This model was developed by M&A for SVBGSA and the County of Monterey in 2023 and covers the coastal area of the Salinas Valley north of Chualar. It was updated based in part on the HCM updates included in this memo in 2024.

These models were primarily used to compare and refine the depths and thicknesses of the hydrostratigraphic layers within the Salinas Valley Groundwater Basin HCM update.

Geophysical Data

The following 3 primary types of geophysical data were 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, and 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.
- Seismic data. Seismic data used in this HCM update were from the USGS (Dartnell *et al.*, 2016) and provided stratigraphic information about offshore geology.

The first 2 types of data are electrical resistivity data, which are collected by sending electrical pulses into the subsurface and receiving signals back. The third type of geophysical data, seismic data, are collected from measuring the reflected, refracted, and direct waves from an active wave source, such as an explosion or hammer impact.

AEM Data

AEM surveys measure the resistivity of both solid and liquid materials in the subsurface over large areas. Lower resistivity materials are clays, silts, and/or higher total dissolved solids (TDS) water. Higher resistivity materials are sands and gravels, some types of bedrock, and/or lower TDS water. 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 are expected.

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

- DWR Survey Area 1, 2020 (DWR, 2020)
- DWR Survey Area 8, 2022 (DWR, 2022)
- 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, high TDS water, 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.

Seismic Data

Seismic data are collected from measuring the reflected, refracted, and direct waves from an active wave source such as an explosion or hammer impact. The seismic waves travel through the subsurface, reflect off various lithologic surfaces, and return to the ground surface. Based on the timing of the waves, investigators can determine the locations and general rock types of the

subsurface lithology up to a few kilometers below land surface. Seismic survey data from the *Seismic Study in Monterey Bay* (Dartnell *et al.*, 2016) were used to refine the offshore portion of the HCM.

Geologic Maps

Geologic maps provide a visual representation of the rocks, formations, and structures encountered at land surface. The 3 primary maps used for this HCM update were the Rosenberg 2001 Monterey Couty digital geologic map, the Clark *et al.*, 2002 surface geologic map of the Spreckels quadrangle, and the subsequently revised version of the onshore and offshore geology derived from the Dartnell *et al.*, 2016 Seismic Study in Monterey Bay. These geologic maps supplemented other data during the HCM update by verifying surface expressions of the various lithologic units.

METHODS

Geologic visualization software was used to update the Subbasin hydrostratigraphy through the following steps:

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

Geologic Visualization Software

Developed by Seequent, Leapfrog Geo software was the primary 3D visualization software used to relate and analyze the different types of data described above. All data were imported into the software and 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, starting with the data with the most confidence.

1. Geologic maps
2. Published cross sections and reports, unless more recent data were available
3. Borehole logs (well completion reports and e-logs)

4. AEM and seismic data
5. Numerical 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.

Data are not uniformly distributed throughout the 180/400 Subbasin. Wells and associated WCRs are more concentrated in areas with more infrastructure, whereas AEM flightlines 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 in these data. Developing a 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 of focus.

- 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.

- Places with no other nearby data relied on the SVIHM geologic model or other groundwater flow model layers to interpolate the hydrostratigraphic layers.

Figure 1 shows an example of an analysis that encompasses many types of data and shows how they are correlated to provide a cohesive understanding of the hydrostratigraphy. The cross section on Figure 1 was exported from the Leapfrog software and spans the 180/400, Monterey, and Seaside Subbasins. Hydrostratigraphy in the north (left on Figure 1) is based primarily 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. An unpublished mapping of the top of the Monterey Formation (Rosenberg, 2009) provided structural data in the south, as well as locations of surface outcrops of Monterey Formation highlighted with yellow disks. The only data not shown are published cross-sections, e-logs, and surface geology; 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 in Figure 1.

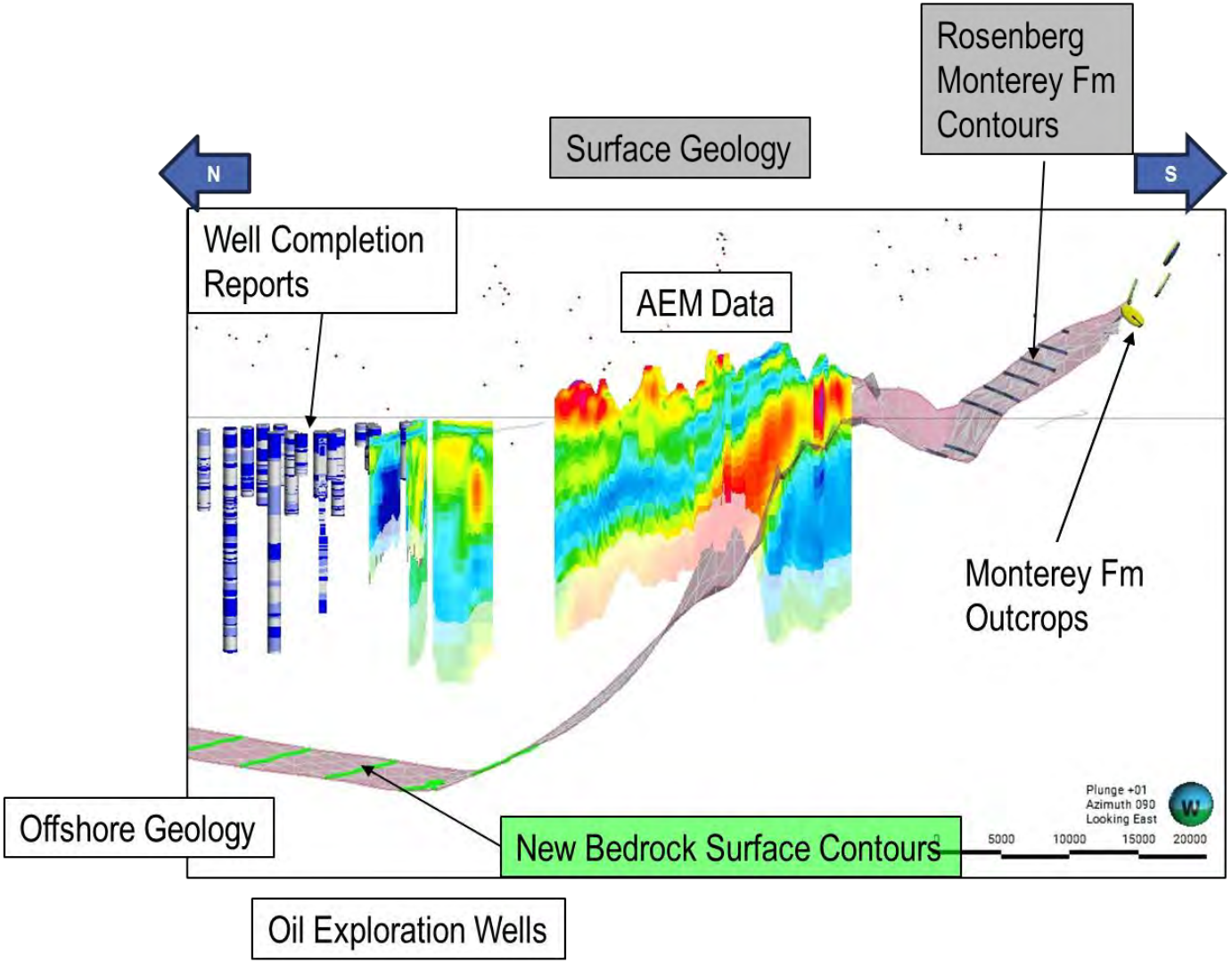


Figure 1. Example of Different Types of Data Juxtaposted in Leapfrog Geo Software

Across the Subbasin, hydrostratigraphic decision-making was prioritized from deepest to shallowest layers. The bedrock surface was the first priority and was modified using AEM data, oil exploration wells, and the Salinas Valley Geological Framework. After revising the bedrock surface, the location and depth of the aquitard between the 400-Foot Aquifer and Deep Aquifers was revised based on the Deep Aquifers Study (M&A, 2024). Following that, the aquitard between the 400-Foot Aquifer and 180-Foot Aquifer and SVA were revised based on AEM data and additional WCRs. The respective aquifers were assumed to exist between the aquitards and the bedrock.

RESULTS/FINDINGS

Results of the 5 primary HCM updates listed in the introduction are detailed below.

Extents and Gaps in Shallow Aquitards

Principal Data Used: WCRs, published cross sections, AEM data, Salinas Valley Geological Framework

M&A updated the extents and thicknesses of the coastal aquitards that factor into vertical migration of seawater intrusion between aquifers. Previous groundwater flow models, all of which were developed based on hydrogeologic data available at the time of their development, provided a starting point for the 3D extents and depths of aquitards. Where newer data indicated the aquitards should be refined from previous models, more in-depth mapping was completed, such as through analysis of driller-observed lithology. From these analyses, as well as MCWRA's efforts to identify thin spots and gaps in the aquitards, M&A added them to show where brackish waters could potentially migrate through the aquitards into other aquifers. This effort focused on 3 aquitards: the SVA, the Intermediate Aquitard between the Upper 180-Foot Aquifer and the Lower 180-Foot Aquifer, where present, and the 180/400-Foot Aquitard.

SVA

The lateral extent and thickness of the SVA was refined based on Survey Area 1 (DWR, 2020), Survey Area 8 (DWR, 2022), and Deep Aquifers Survey (M&A, 2024) AEM data, published cross sections, well completion reports, and information in the SVIHM and MBGWFM. The revised extent of the SVA is shown on Figure 2.

Near the coast, the extent and thickness of the aquitard was refined based on a more thorough review of WCRs and cross sections from the *Final Report, Hydrostratigraphic Analysis of the Northern Salinas Valley* (Kennedy/Jenks, 2004). Farther inland, AEM data and WCRs were used to refine the extent and previously noted gaps in the SVA. The SVA was re-interpreted as a portion of an extensive shallow clay; the SVA being the distinct blue-gray marine-deposited clay, and the more extensive body of shallow clay including more brown and red derived from

continental deposition. The SVA is part of a larger system of shallow clays in other areas of the Salinas Valley as shown on Figure 2. These clays extend into parts of the Eastside, Langley, and Forebay Subbasins; however, they are likely not from a marine depositional environment. Most shallow clays found in the Eastside Subbasin are from alluvial deposits and were defined using AEM data. The SVA near the Fort Ord area in the Monterey Subbasin is based primarily on the extent delineated in the *Final Report, Hydrogeologic Investigation of the Salinas Valley Basin in the Vicinity of Fort Ord and Marina* (Harding ESE, 2001). Near the Fort Ord area, from northeast to southwest, the SVA starts as a single thicker layer of clay that overlies the 180-Foot Aquifer. At the Salinas River, the SVA transitions to several layers of clay that separate multiple aquifers as shown on Figure 3. These several layers of clay include the Intermediate Aquitard discussed below.

Intermediate Aquitard

As the 180-Foot Aquifer approaches the Monterey Subbasin near the coast, it separates into the Upper and Lower 180-Foot Aquifer with the Intermediate Aquitard in between. The conceptual understanding of the Intermediate Aquitard was updated using AEM data and WCRs and in collaboration with EKI. This aquitard only exists in a limited portion of the 180/400 Subbasin; the upper and lower portions of the 180-Foot Aquifer are not separated by a distinct aquitard throughout most of the Subbasin. Figure 3 shows how the Intermediate Aquitard separates the Upper 180-Foot Aquifer from the Lower 180-Foot Aquifer just outside of the 180/400 Subbasin in the Monterey Subbasin.

180/400 Aquitard

The extent and thickness of the 180/400 Aquitard was refined using data from previous studies including the *Hydrogeologic Investigation of Salinas Valley Basin in the Vicinity of Fort Ord and Marina Salinas Valley, California* (Harding ESE, 2001) and the *Final Report, Hydrostratigraphic Analysis of the Northern Salinas Valley* (Kennedy/Jenks, 2004). Additionally, data from several WCRs and AEM data were used to validate many of the aquitard's thin spots. The refined extent of the aquitard is shown on Figure 4.

The revised interpretation shows this aquitard as uneven in thickness and intermittently present. Several newer wells have been added to the analysis, and carefully reviewed with other data. The holes in the aquitard to the south were added through the use of AEM data. Additionally, this aquitard was linked to clays in the alluvial fans in the Eastside Subbasin to represent connectivity of correlative low permeability zones (as higher clay contents), despite not being from the same depositional environment. Figure 4 shows an interfingering zone that indicates where the blue clay that defines the 180/400 Aquitard becomes less dominant than in other areas of the northern 180/400 Subbasin. In this area both red and blue clay can be found in WCRs, which seem to be indicative of the sedimentary interfingering sequence of fluvial, marine, and eolian deposits of

the Aromas Sands (Fugro West, Inc., 1995). In the Marina-Ord Area, a portion of the 180/400 Aquitard is shown as intermittent because groundwater elevations in the 180- and 400-Foot Aquifers are similar, as illustrated on Figure 5 by EKI Environment & Water.

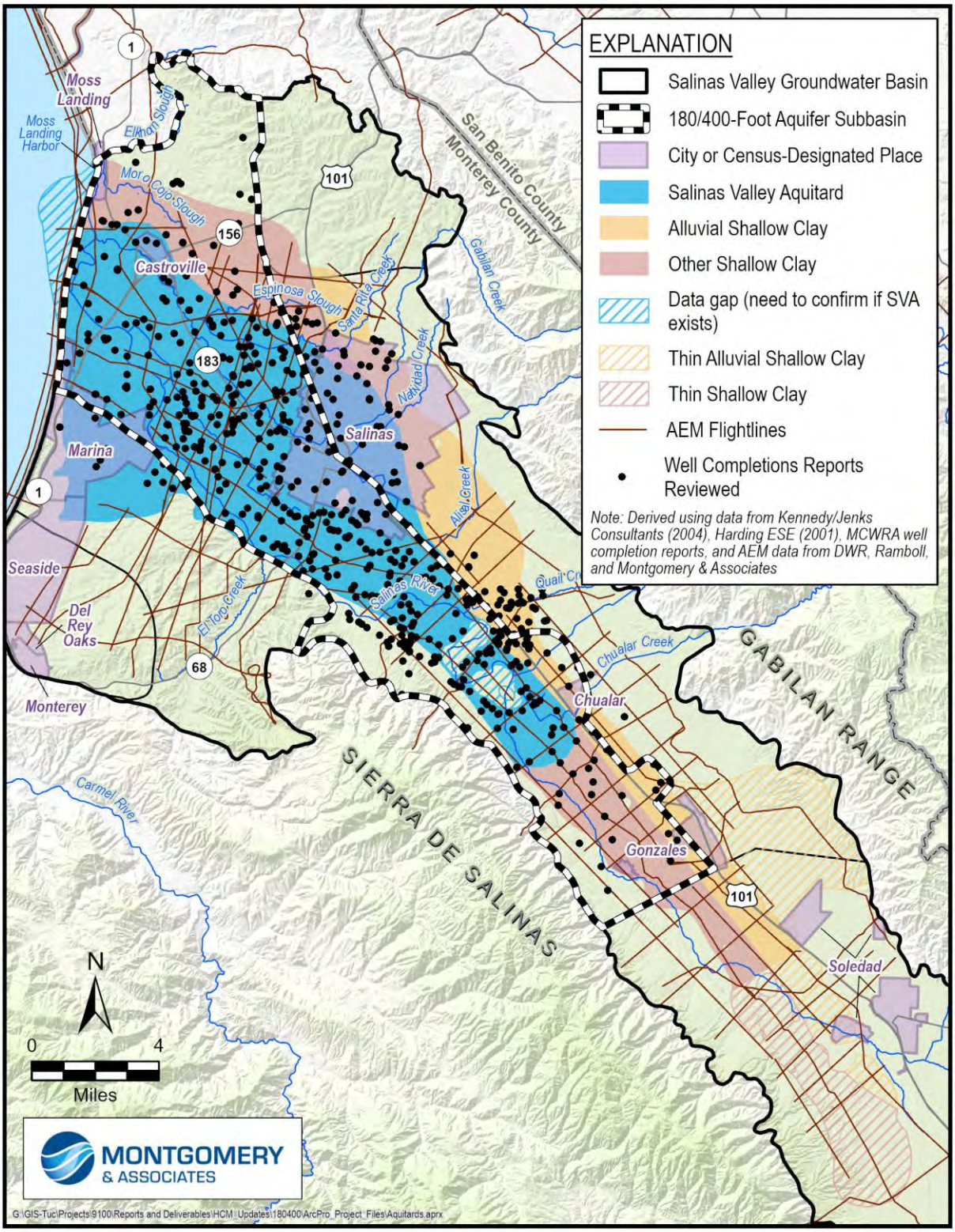


Figure 2. Updated Understanding of the SVA and Shallow Clays with Key Data Sources

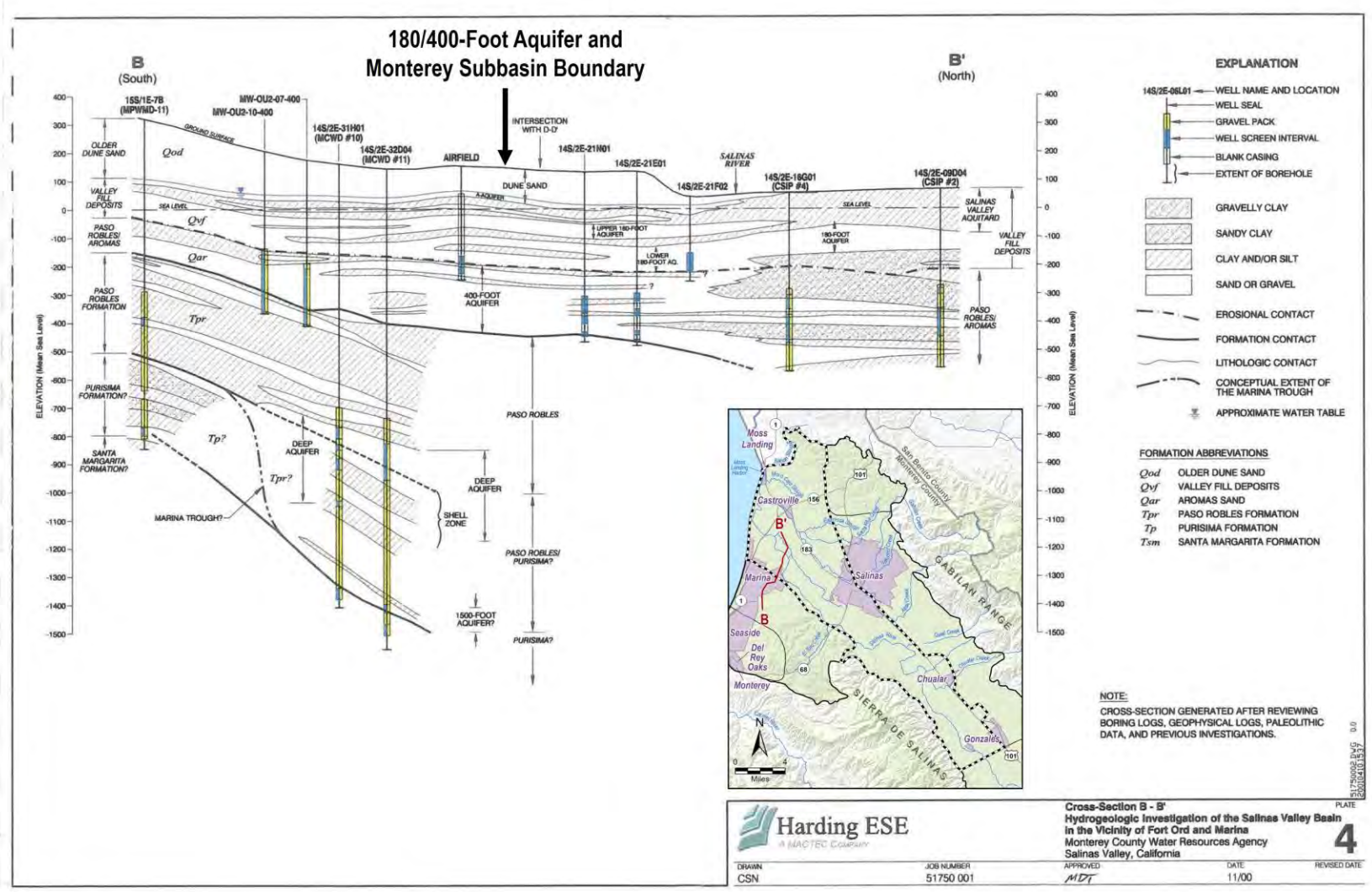


Figure 3. Cross Section of SVA and Intermediate Aquitard (adapted from Harding ESE, 2001)

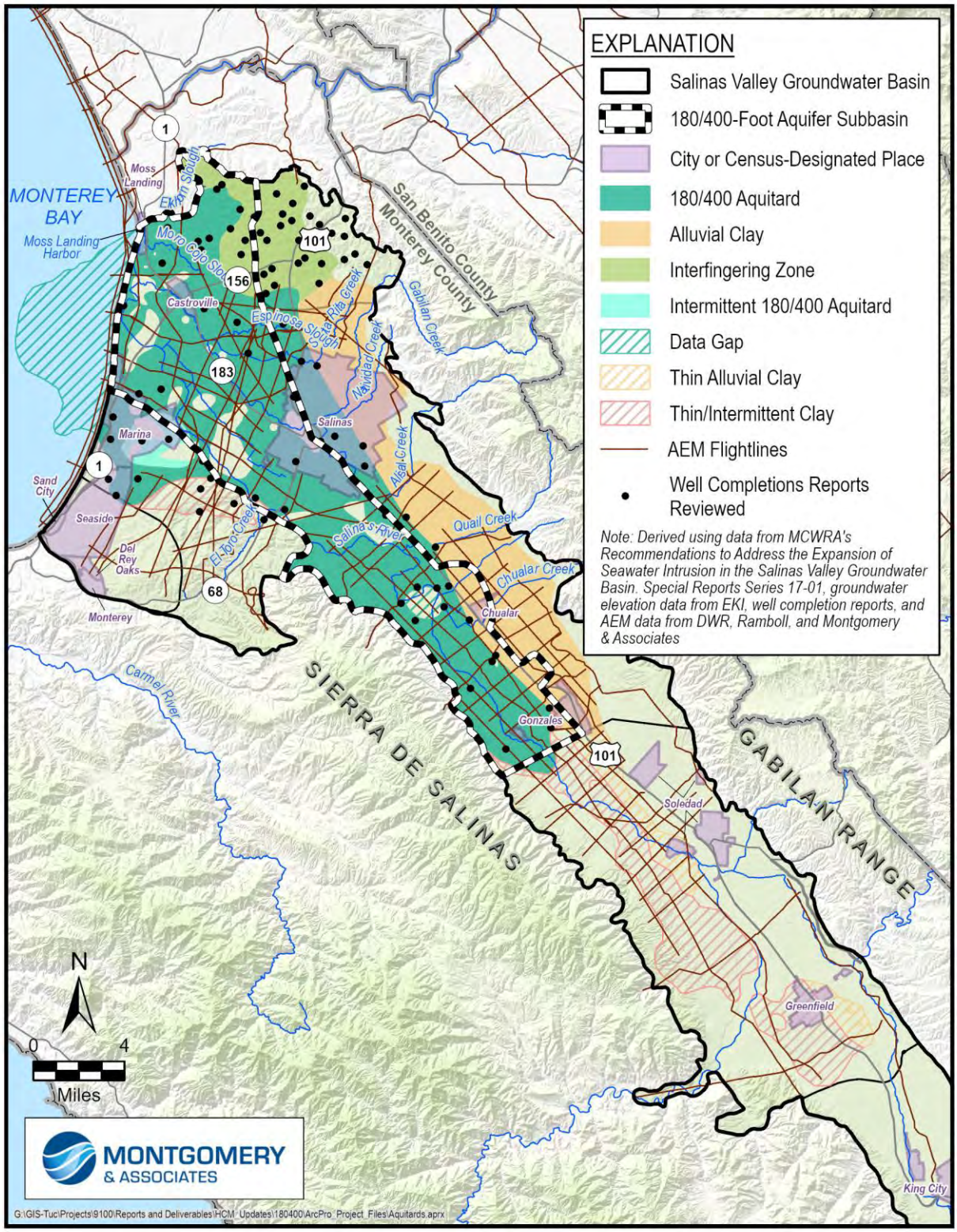


Figure 4. Updated Understanding of the 180/400 Aquitard

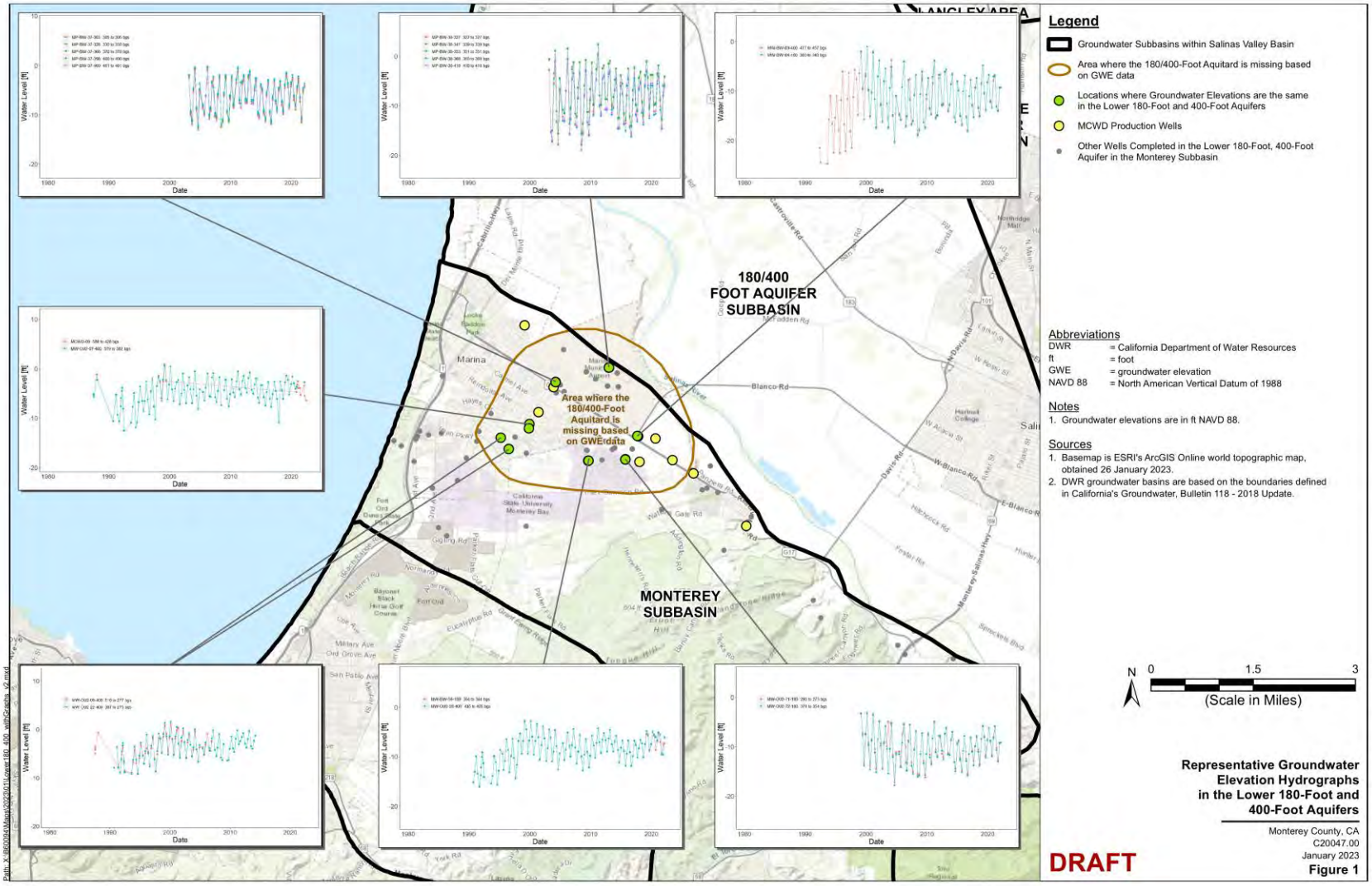


Figure 5. Hydrographs with Similar Groundwater Elevation in the 180- and 400-Foot Aquifers in the Marina-Ord Area

400-Foot Aquifer Thickness

Principal Data Used: AEM data, Salinas Valley Geological Framework

The 400-Foot Aquifer's thickness is defined by the distance between the base of the 180/400-Foot Aquitard and the top of the 400/Deep Aquitard. Previous interpretations of the 400/Deep Aquitard were that it was fairly consistent in depth and thickness along the main axis within the 180/400 Subbasin. The 400-Foot Aquifer was understood to have a thickness of up to 450 feet, averaging 250 feet thick, and ranging anywhere from 200 to 700 feet below land surface based on WCRs and published cross sections.

AEM data gathered for the *Deep Aquifers Study* (M&A, 2024) provided a much more refined view of the depth of the 400/Deep Aquitard, which in turn improved the conceptual understanding of the 400-Foot Aquifer's thickness. The Deep Aquifers Study found that the 400/Deep Aquitard extends southward throughout the Subbasin, generally following the trough shape of the Salinas Valley Basin. The Aquitard both deepens and thickens southward, which results in the 400-Foot Aquifer thickening southward.

These new data show that the 400-Foot Aquifer is still generally encountered at the previously estimated initial depth below ground surface (bgs): approximately 200 ft bgs. However, the revised conceptual model shows the aquifer extends up to approximately 1,000 ft bgs to the top of the 400/Deep Aquitard. This results in a significantly thicker aquifer than previously known. Figure 6 shows the revised elevation of the bottom of the 400-Foot Aquifer in the Subbasin and revised thickness of the 400-Foot Aquifer.

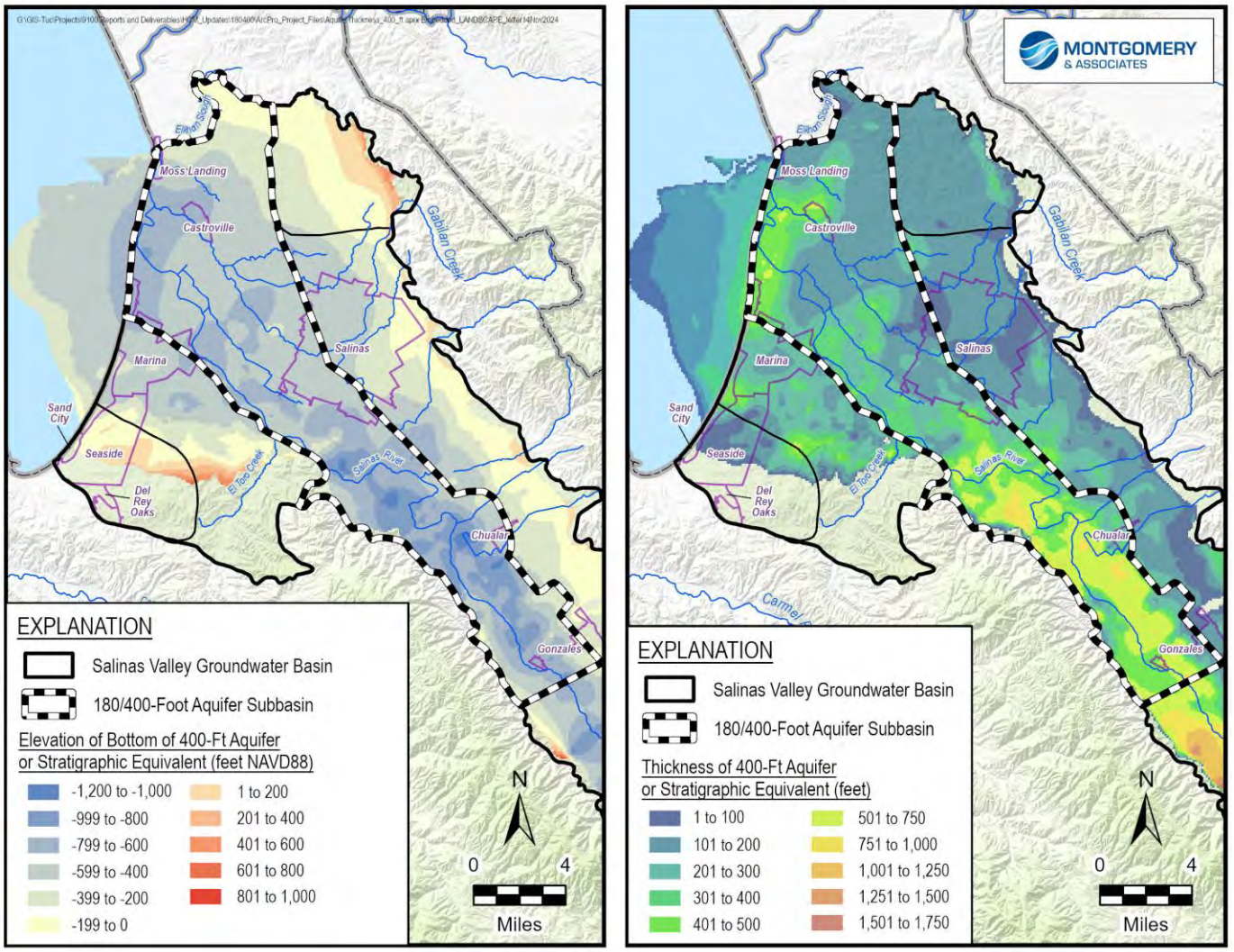


Figure 6. Revised Bottom Elevation and Thickness of 400-Ft Aquifer or Stratigraphic Equivalent

400/Deep Aquitard and 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 the majority of the 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 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 the shallower principal aquifers. The Deep Aquifers incorporate all the productive zones below the 400/Deep Aquitard, including the previously named 800-Foot, 900-Foot, 1,100-Foot, and 1,500-Foot Aquifers; and comprise portions of the Paso Robles Formation, Purisima Formation, and Santa Margarita Sandstone. Insufficient data exist to divide the Deep Aquifers into distinct component horizons.

The Study delineated the lateral extent of the Deep Aquifers throughout the majority of the 180/400 Subbasin and into adjacent and nearby subbasins. The extent of the Deep Aquifers in the 180/400 Subbasin is shown on

Figure 7, which also shows the extent defined in the Deep Aquifers Study. This figure includes areas marked as the uncertain extent, where current data are not sufficient to conclusively determine if the Deep Aquifers are present.

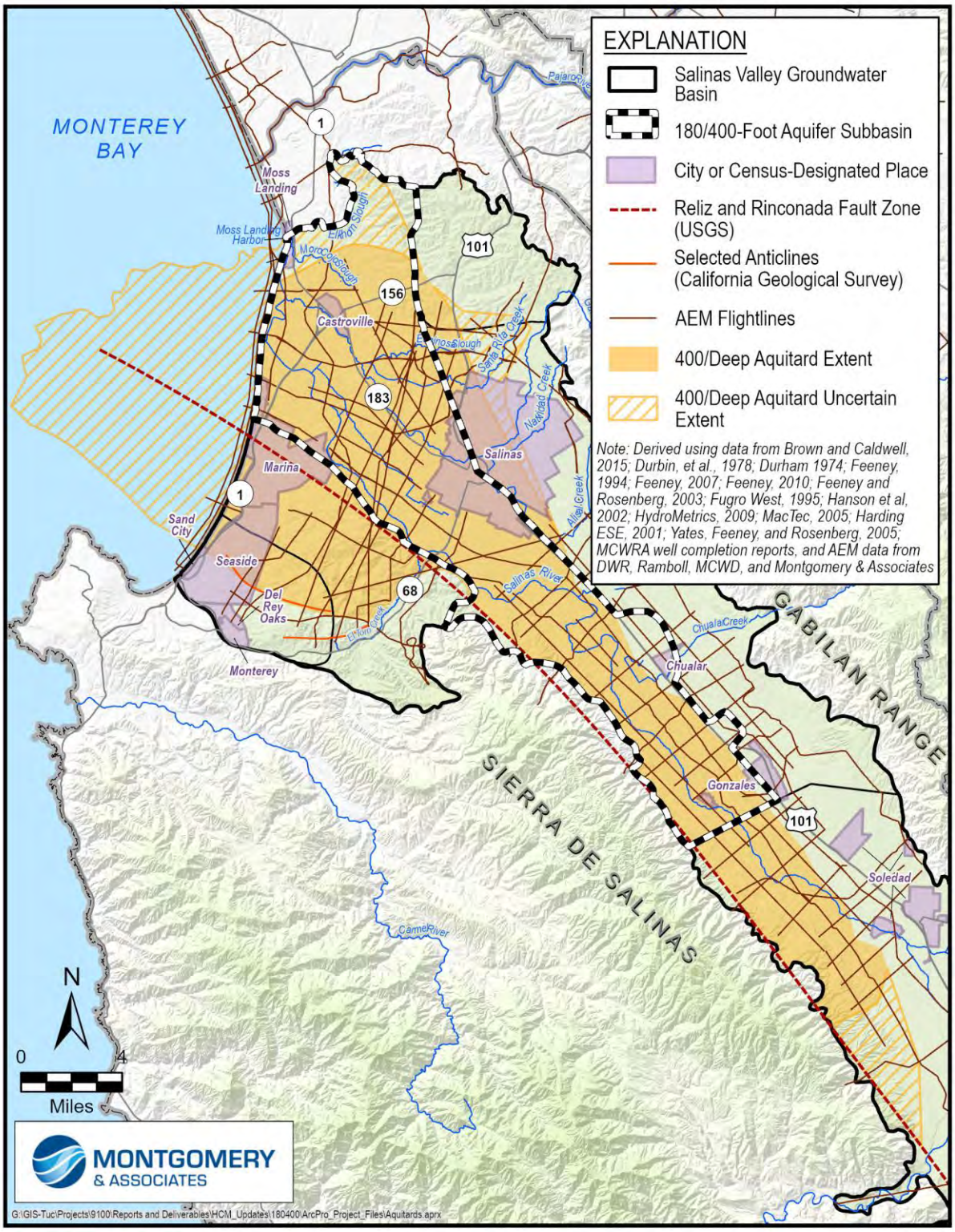


Figure 7. Updated Deep Aquifers Extents, as Determined by the Deep Aquifers Study (M&A, 2024)

Top of Bedrock and Offshore Hydrostratigraphy

Principal Data Used: Oil exploration wells, AEM data, SVIHM geologic model, seismic data, surface geology maps, and bathymetry

The Monterey Formation and granitic rocks comprise the primary bedrock units. This surface defines the bottom elevation of what is considered usable aquifer. 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. For this HCM update, the onshore portion of the 180/400 Subbasin is consistent with this same conceptualization, with only minor adjustments along the coastline based on lithology from several deep oil exploration wells.

Top of bedrock elevations deviate from the SVIHM elevations for the offshore area adjacent to the 180/400 Subbasin. The revisions are based on oil exploration wells previously mentioned, mapped outcrops of bedrock in Monterey Bay (Dartnell *et al.*, 2016, and Wagner *et al.* 2002), and seismic reflection cross sections (Dartnell *et al.*, 2016). The combination of these data and lack of known significant faulting offsets indicates the top of bedrock surface extends offshore with the same, gently sloping upward trend as onshore to nearly flat. This also follows the same slightly upward slope as in the B – B' geologic cross section in Feeney and Rosenberg (2003).

M&A updated the offshore hydrostratigraphy above bedrock based on more recent offshore geologic maps and the most recent bathymetry data (seafloor topography). These updates provide a refined conceptualization of how the aquifers interact with the ocean in Monterey Bay. The primary modifications to the offshore hydrostratigraphy consisted of connecting geologic units to outcrops from the most recent offshore geologic maps, smoothing and revising the offshore hydrostratigraphy, and updating it based on the bathymetry data available from NOAA (NOAA, 2024). Units that have not been mapped as outcropping offshore were assumed to pinch between the coastline and Monterey Canyon following the similar pinch outs as the SVIHM.

Figure 8 shows a cross section extending offshore of the revised hydrostratigraphic interpretation. The updated bedrock surface, shown in grey, is a relatively flat-lying layer with no substantial discontinuities between the coastline and Monterey Canyon. Figure 8 also shows the revised hydrostratigraphy above the Monterey Formation, and how the various units outcrop along the wall of Monterey Canyon. Included on Figure 8 are drillholes with bedrock contact and the AEM surveys, which were used in the analysis where surveys indicated bedrock contact.

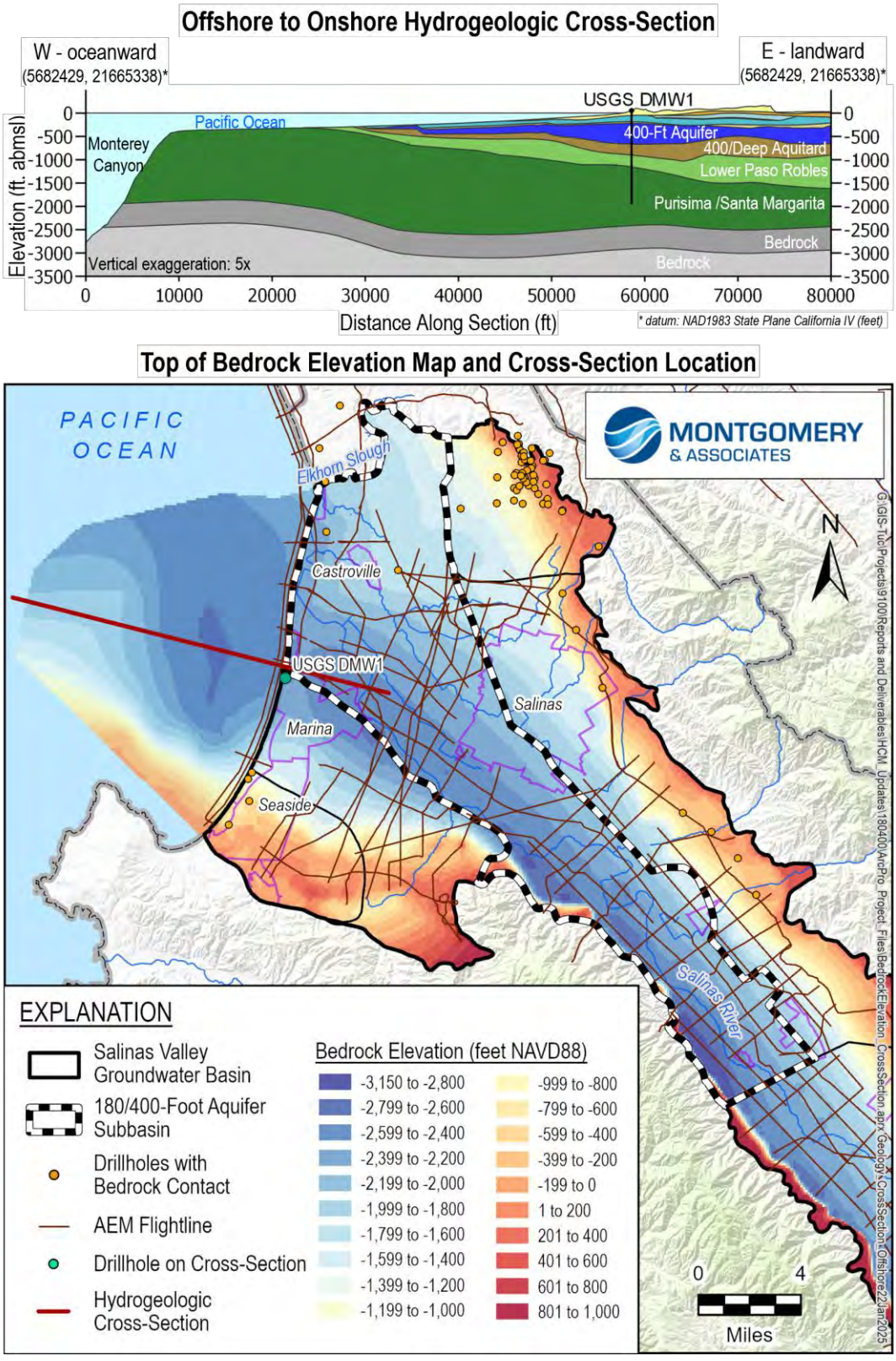


Figure 8. Revised Conceptual Understanding of Offshore Bedrock and Hydrostratigraphy

Boundary of the 180/400 Subbasin with the Corral de Tierra

Principal Data Used: AEM data, published cross sections, surface geology maps

The relationship between the 180/400 Subbasin and the El Toro Primary Aquifer System has been poorly defined due to a lack of data across the subbasins' boundary. Previous conceptualizations of the connectivity were based on the unpublished mapping of the Monterey Formation surface contours (Rosenberg, 2009). The aquifers in the El Toro area were assumed to follow the contours of the mapped Monterey Formation surface, and conceptually connect with the Deep Aquifers and/or other aquifers of the 180/400 Subbasin. There was limited understanding regarding whether the principal aquifers and aquitards in the 180/400-Foot Aquifer Subbasin flowed across or were truncated by the Reliz Fault, but it was generally thought that water flowed from the El Toro area into the 180/400 Subbasin.

Cross-section X_1-Z in the *Geologic Map and Cross-Sections from El Toro to Salinas Valley* (Geosyntec, 2010), as shown in the Monterey Subbasin GSP (MCWDGSA and SVBGSA, 2022), shows some uplift of the bedrock. AEM data collected in the Corral de Tierra Area revealed that along the Highway 68 corridor, as the 180/400 Subbasin boundary is approached, the Monterey Formation reaches the surface and then dives steeply near the Reliz Fault, as shown in Figure 9, along with the location of AEM surveys, of which relevant lines were used in the analysis. These data suggest that groundwater flow between the El Toro area and the 180/400 Subbasin is likely limited. This interpretation is similar to what was shown on Cross-section X_1-Z (Geosyntec, 2010). This subbasin boundary remains an area of uncertainty due to the geologic complexity, and this conceptual understanding may be updated in the future with more refined data.

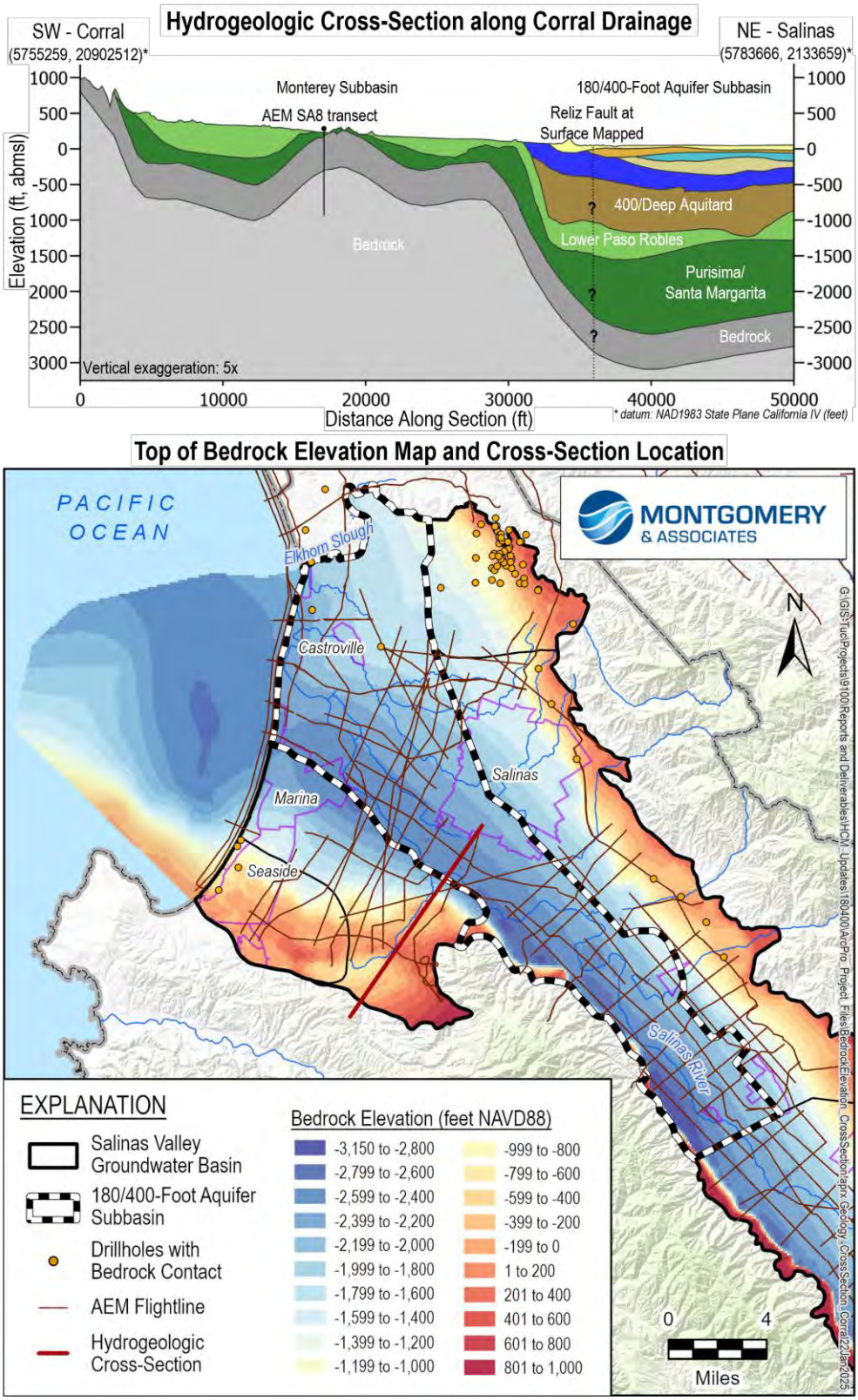


Figure 9. Revised Layers Across the Subbasin Boundary near Toro Creek

CONCLUSIONS

The HCM included in the 2020 180/400 Subbasin GSP used the best available analyses and published reports. The SVBGSA has collected and analyzed significant amounts of new data to refine and update the conceptual model. This update provides clear refinements for the overall Subbasin.

The following include principal updates to the HCM:

- The gaps previously found in the coastal aquitards have been refined and incorporated into the shallower coastal aquitards, which could be important for allowing vertical migration of brackish groundwater.
- The 400-Foot Aquifer in the southern portion of the Subbasin is thicker than previously understood, based on the refined depth of the 400/Deep Aquitard.
- The Deep Aquifers are deeper and more extensive than previously mapped, based on information from the *Deep Aquifer Study* (M&A, 2024).
- The offshore bedrock surface and hydrostratigraphy, smoothing the units from onshore geology to offshore mapped surface geology.
- The aquifers in the El Toro area of the Monterey Subbasin do not appear to be well connected to the aquifers in the 180/400 Subbasin, however, this is an area with remaining conceptual uncertainty.

.

MONTGOMERY & ASSOCIATES

REFERENCES

Clark, J.C., Brabb, E.E., and Rosenberg, L.I., 2001, Geologic map and map database of the Spreckels 7.5-minute quadrangle, Monterey County, California: U.S. Geological Survey, Miscellaneous Field Studies Map MF-2349, scale 1:24,000.

Dartnell, P., K.L. Maier, M.D. Erdey, B.E. Dieter, N.E. Golden, S.Y. Johnson, S.R. Hartwell, G.R. Cochrane, A.C. Ritchie, D.P. Finlayson, R.G. Kvitek, R.W. Sliter, H.G. Greene, C.W. Davenport, C.A. Endris, and L.M. Krigsman (P. Dartnell and S.A. Cochran, eds.), 2016, California State Waters Map Series — Monterey Canyon and Vicinity, California: U.S. Geological Survey Open-File Report 2016–1072. http://dx.doi.org/10.3133/ofr20161072.

Durbin, Timothy J., G.W. Kapple, and J.R. Freckleton. 1978. Two-Dimensional and Three-Dimensional Digital Flow Models of the Salinas Valley Ground-Water Basin, California. U.S. Geological Survey. Water Resources Investigations Report 78-113. Prepared in cooperation with the U.S. Army Corps of Engineers.

DWR (California Department of Water Resources). 2020. Survey Area 1 – Salinas Valley Data Report and Appendices. DWR Airborne Electromagnetic (AEM) Surveys Data. Available at: https://data.cnra.ca.gov/dataset/aem.

_____. 2022. Survey Area 8 – Data Report and Appendices. DWR Airborne Electromagnetic (AEM) Surveys Data. Available at: https://data.cnra.ca.gov/dataset/aem.

EKI Environment & Water. 2022. Monterey Subbasin Groundwater Flow Model.

Fugro West Inc. 1995. "North Monterey County Hydrogeologic Study Volume I Water Resources." Prepared for Monterey County Water Resources Agency. Available at: http://www.elkhornsloughctp.org/uploads/files/1421885098Fugro%20Water%20Study%20October%201995%20Vol%201.pdf

Harding ESE, 2001. Hydrogeologic Investigation of Salinas Valley Basin in the Vicinity of Fort Ord and Marina Salinas Valley, California - Final Report.

GeoSyntec, 2007, El Toro Groundwater Study Monterey County, California. Prepared for Monterey County Water Resources Agency. Available at: https://digitalcommons.csumb.edu/hornbeck_cgb_6_b/9.

_____. 2010. Accompanying Documentation Geologic Map and Cross-Sections from El Toro to Salinas Valley. Prepared for Monterey County Water Resources Agency. Available at https://www.countyofmonterey.gov/home/showdocument?id=19618.

Feeney, M.B., L.I. Rosenberg. 2003, Deep Aquifer Investigation - Hydrogeologic Data Inventory, Review, Interpretation and Implications. Technical Memorandum prepared for Wrime, Inc. Available at: https://digitalcommons.csumb.edu/hornbeck_cgb_5/37.

HydroMetrics LLC. 2009. Seaside Groundwater Basin Modeling and Protective Groundwater Elevations. Prepared for Seaside Basin Watermaster.

Kennedy/Jenks Consultants. 2004. Final Report, Hydrostratigraphic Analysis of the Northern Salinas Valley. Prepared for Monterey County Water Resources Agency. Available at: https://digitalcommons.csumb.edu/hornbeck_cgb_5/29.

M&A (Montgomery & Associates). 2023. Salinas Valley Seawater Intrusion Model Report. Produced for SVBGSA and County of Monterey. Available at:

_____. 2024a. Salinas Valley Deep Aquifers Study. Prepared for Salinas Valley Basin Groundwater Sustainability Agency and Collaborative Funding Partners. Available at: https://svbgsa.org/wp-content/uploads/2024/05/Deep-Aquifers-Study-Report_no-appendices_compressed.pdf.

_____. 2024b. Seawater Intrusion Model Updates (Addendum 2 to the Salinas Valley Seawater Intrusion Model Report). Available at: https://svbgsa.org/resources/seawater-intrusion/salinas-valley-seawater-intrusion-model/.

MCWDGSA (Marina Coast Water District Groundwater Sustainability Agency) and SVBGSA (Salinas Valley Basin Groundwater Sustainability Agency). 2022. Monterey Subbasin Groundwater Sustainability Plan.

National Oceanic Atmospheric Administration (NOAA), 2024. Maps and Geospatial Products. Available for download at https://www.ncei.noaa.gov/maps-and-geospatial-products.

Rosenberg, L.I., April, 2001, Geologic Resources and Constraints, Monterey County, California, A Technical Report for the Monterey County21st Century General Plan Update Program. Sheet 1, Digital Geologic Map of Monterey County.

Rosenberg, L.I., 2009, unpublished mapping of the top of the Monterey Formation in the Salinas Valley and environs.

SVBGSA (Salinas Valley Basin Groundwater Sustainability Agency). 2020. Salinas Valley: 180/400-Foot Aquifer Subbasin Groundwater Sustainability Plan.

_____. 2022. Salinas Valley: 180/400-Foot Aquifer Subbasin Groundwater Sustainability Plan Amendment 1.

Sweetkind, D.S. 2023. Digital data for the Salinas Valley Geological Framework, California: U.S. Geological Survey data release, https://doi.org/10.5066/P9IL8VBD

Thorup, 1976 and1983, Hydrogeologic Report on the Deep Aquifer, Salinas Valley, Monterey County, California. Prepared for the Monterey County Board of Supervisors. Available at: https://www.countyofmonterey.gov/home/showdocument?id=61934 with inclusion of supplemental plates prepared in 1982 and revised in 1983.

Wagner, D.L., Greene, H.G., Saucedo, G.J., Pridmore, C.L. 2002. Geologic Map of the Monterey 30'x60' Quadrangle and Adjacent Areas, California. Regional Geologic Map Series, 1:100,000 Scale. Map No. 1 Plate 1 of 3. Digitized by Watkins, S.E., Little, J.D., Bizzarro, J.J. Department of Conservation, California Geological Survey, and Moss Landing Marine Laboratories and Monterey Bay Aquarium Research Institute.

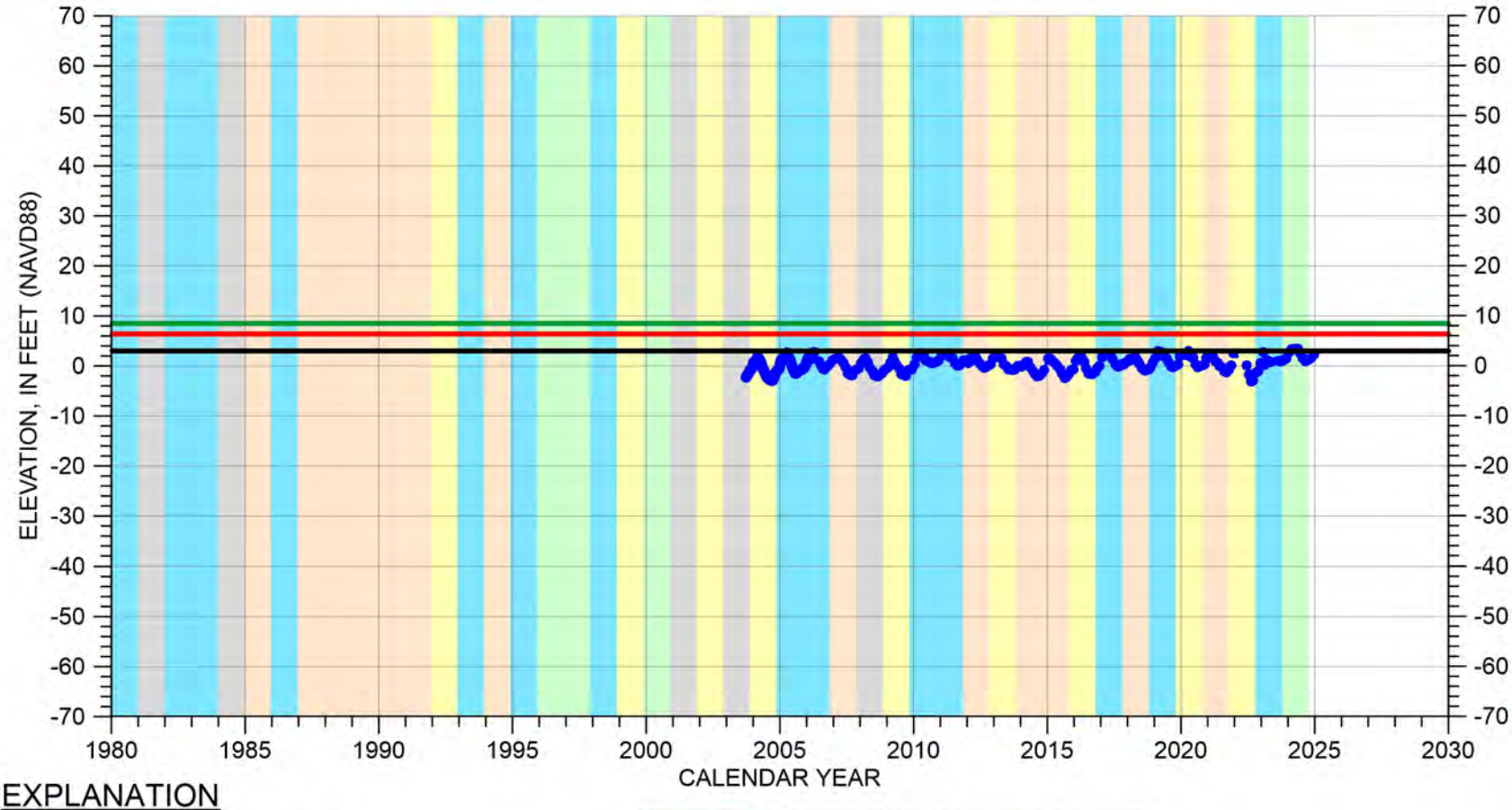
Appendix B

Hydrographs of Representative Monitoring Site Wells

180-Foot Aquifer

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-21Q01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

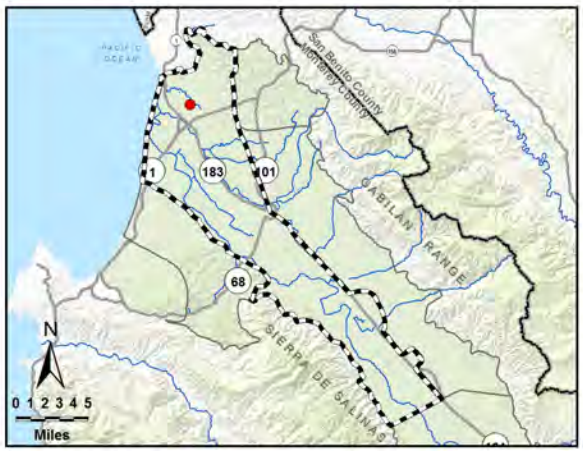


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

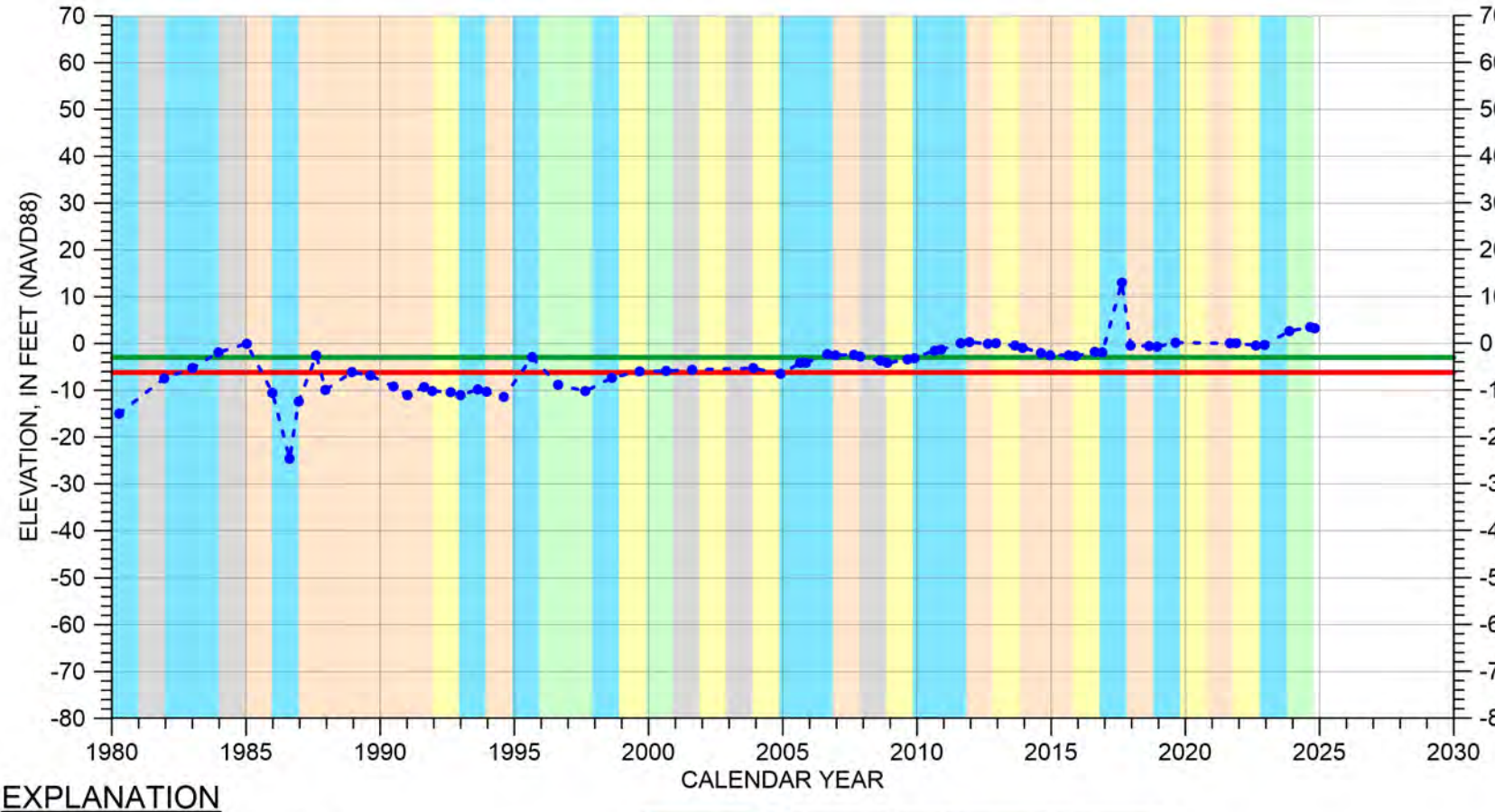
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\13S_02E-21Q01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-26L01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

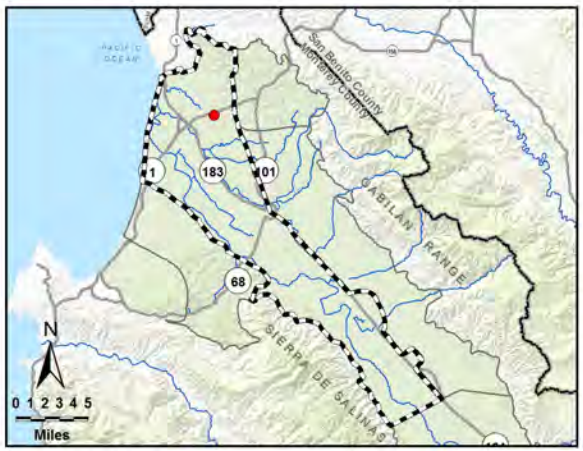


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (112 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



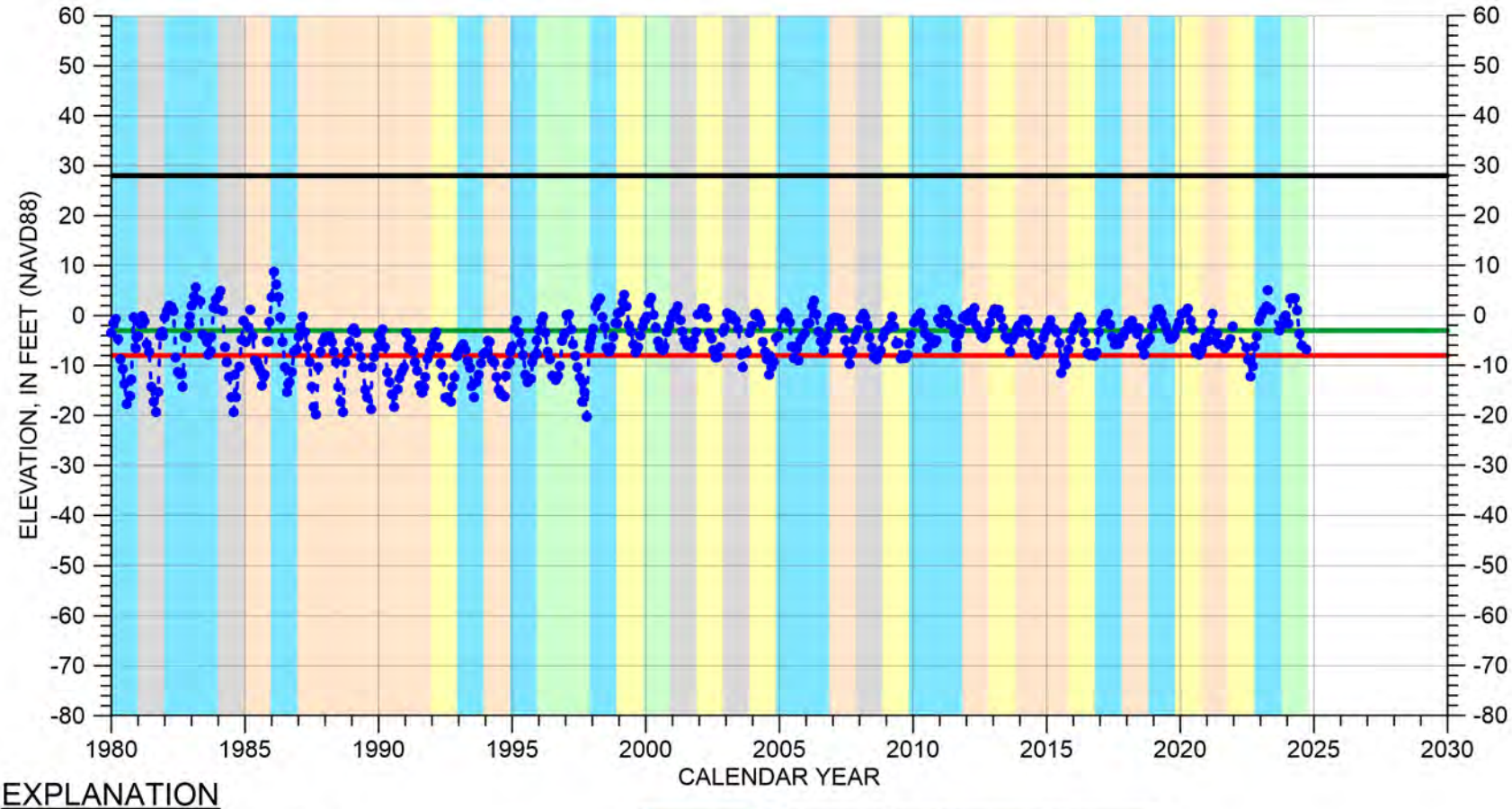
Perforated interval unknown

Well bottom
-138 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\13S_02E-26L01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-33R01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

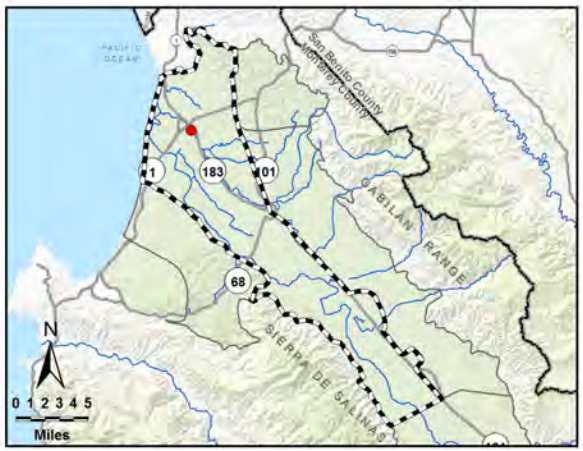


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



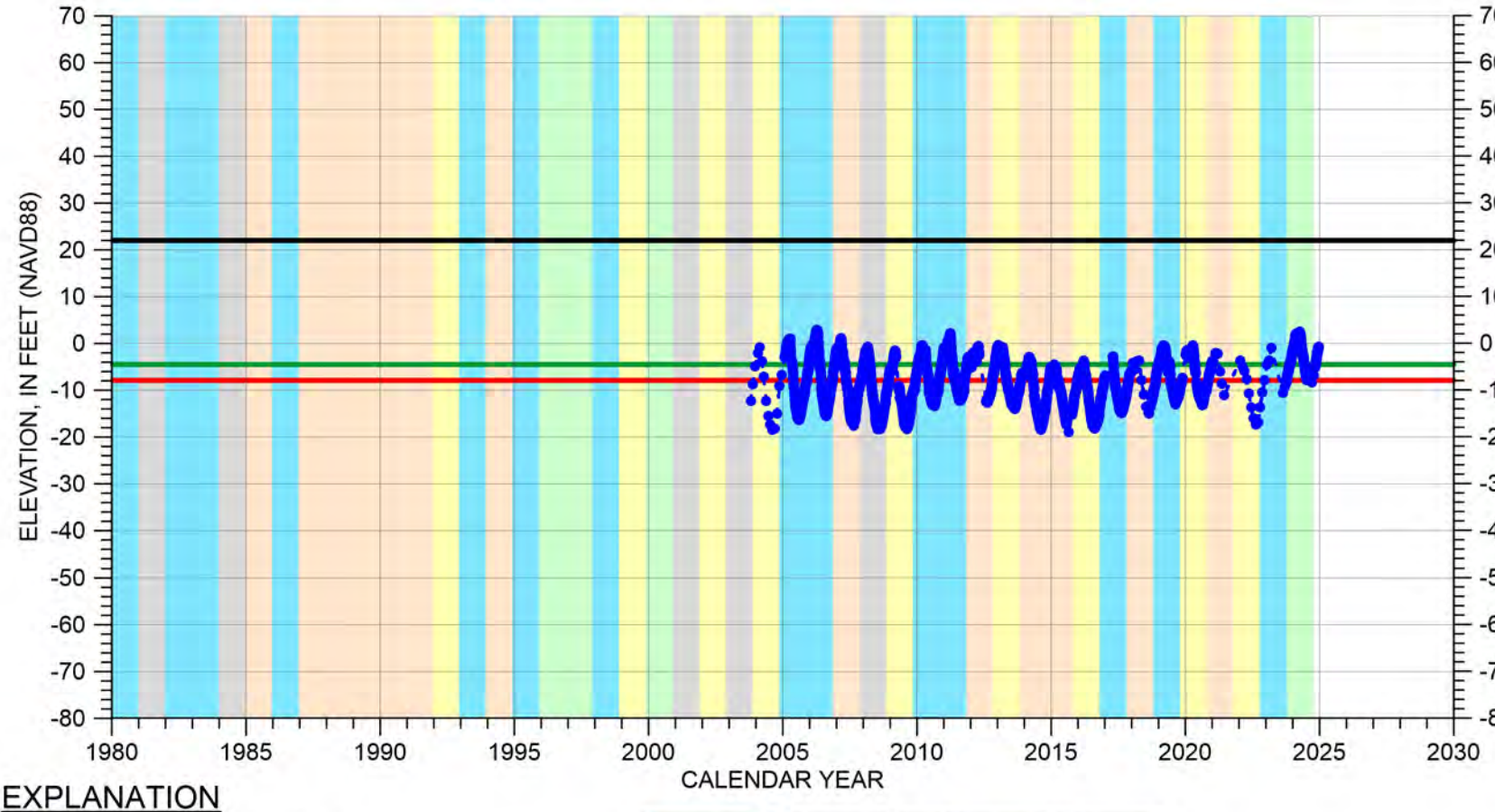
Perforated interval unknown

Well bottom elevation unknown

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\13S_02E-33R01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-03F04

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

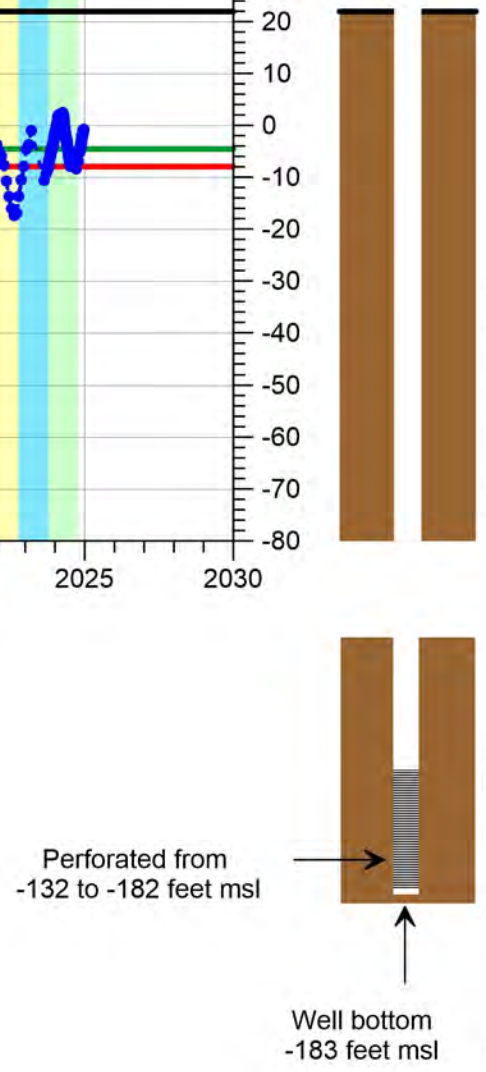


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

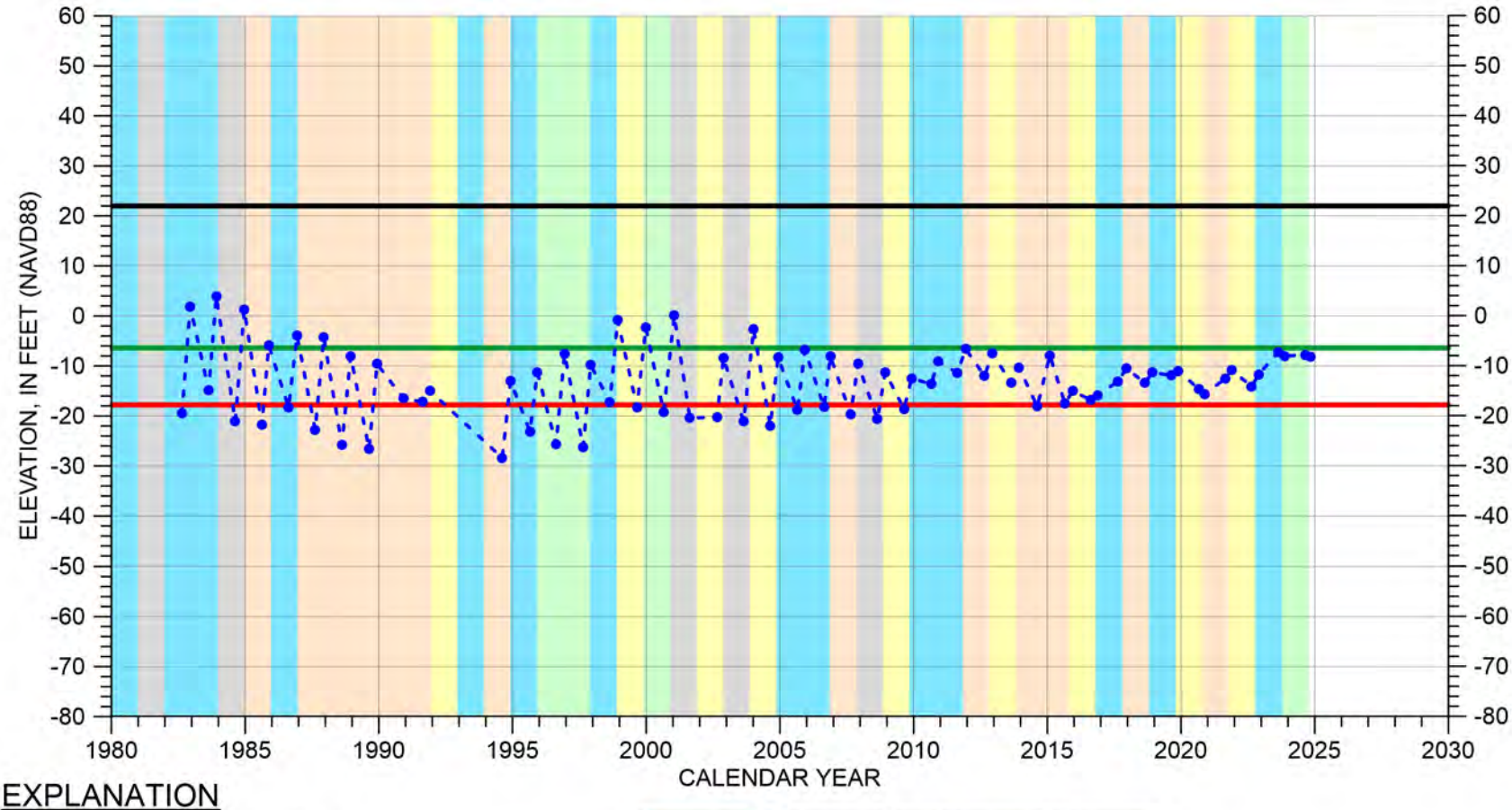
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_02E-03F04.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-10P01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

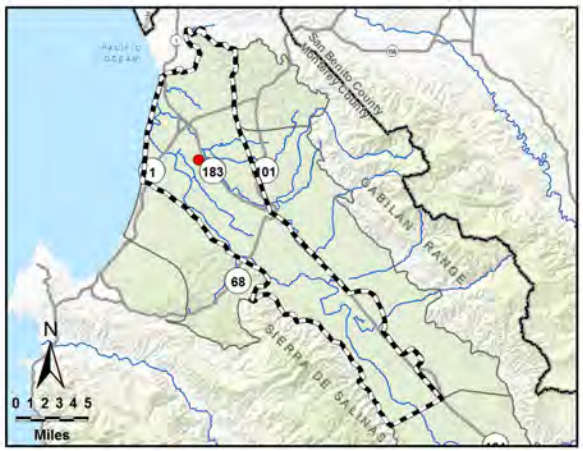


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

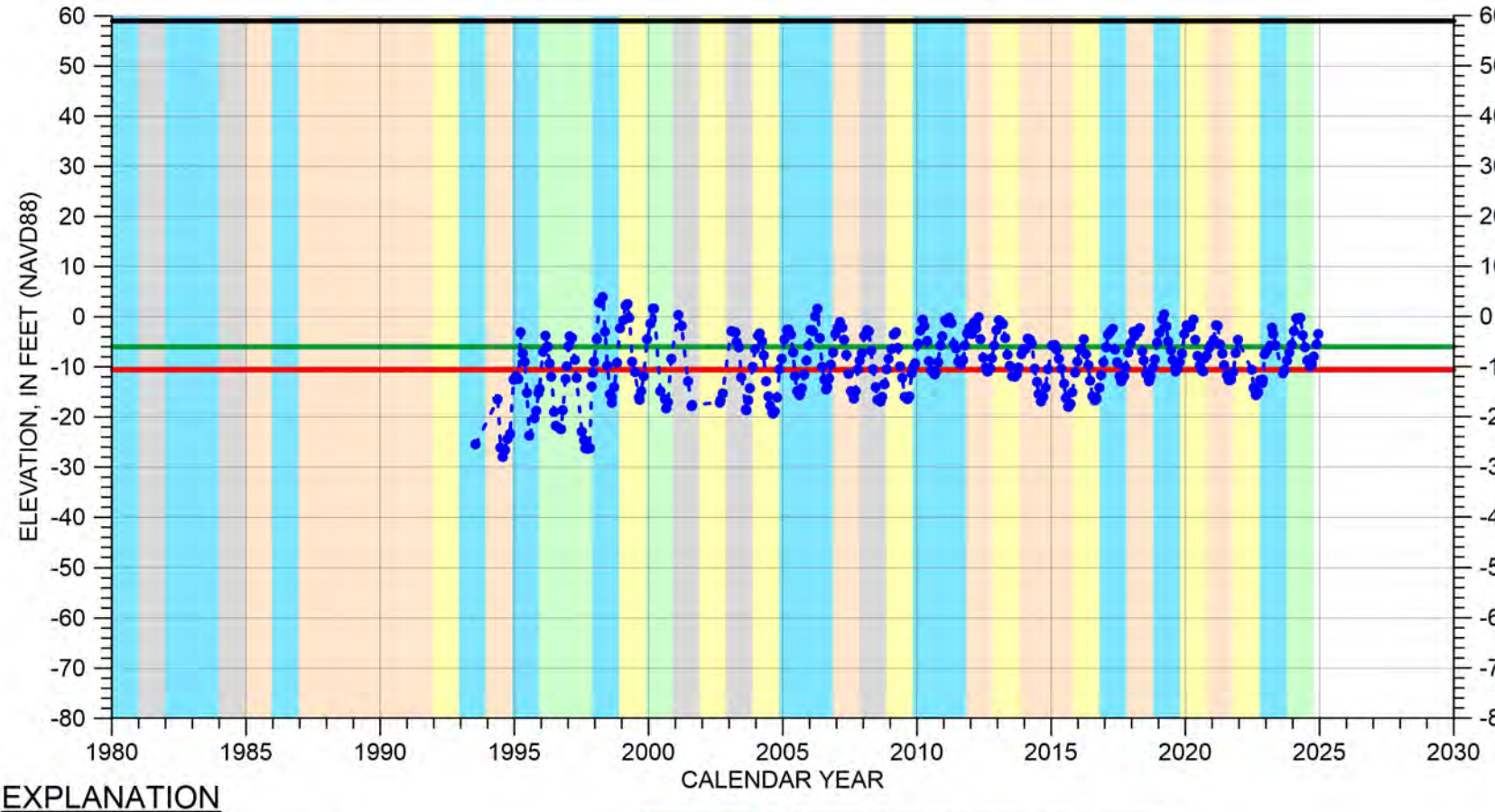
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_02E-10P01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-11A02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

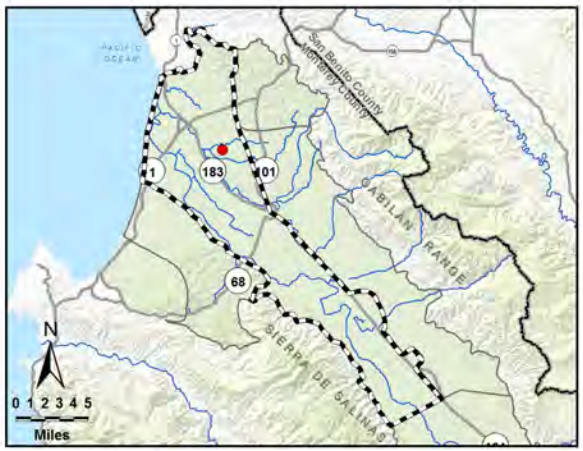


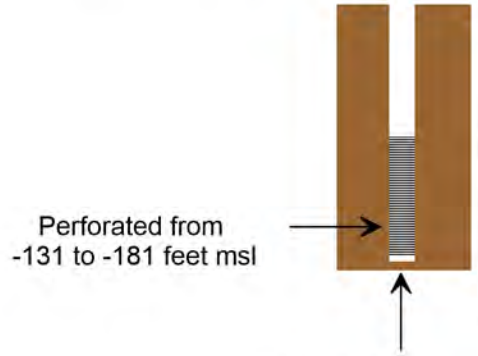
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

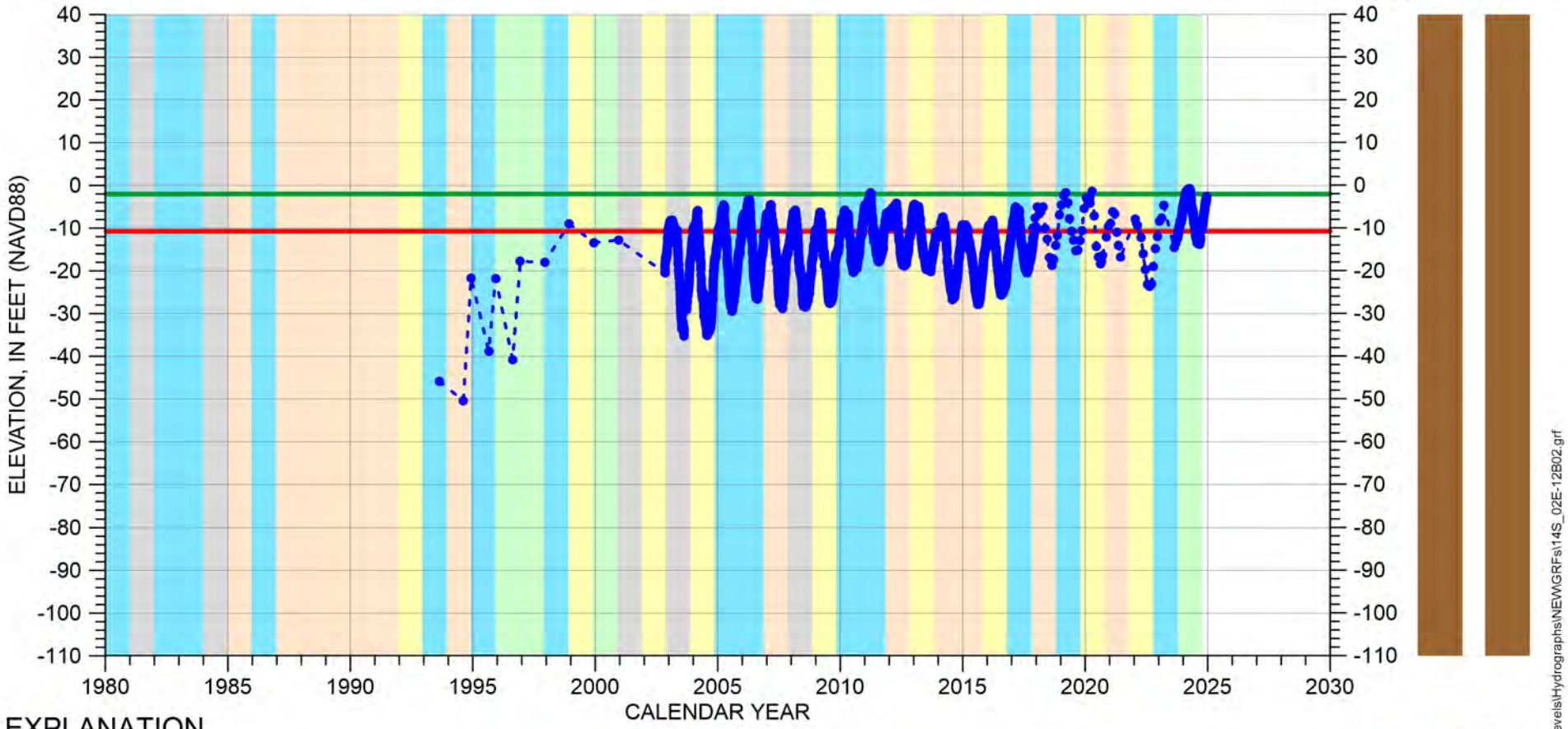




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_02E-11A02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-12B02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

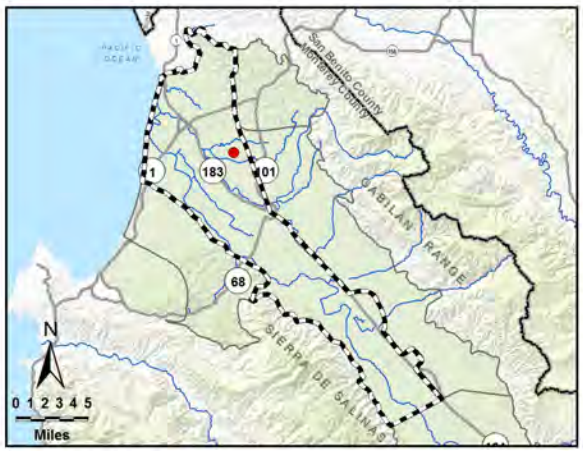


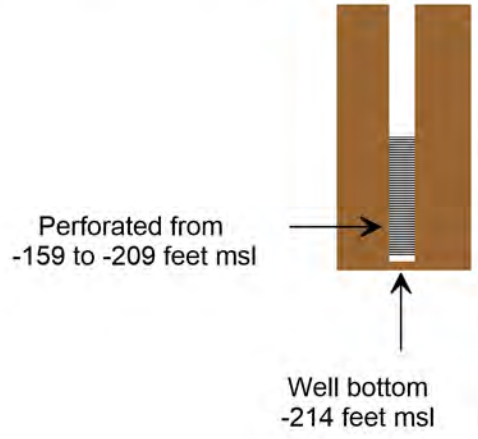
EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (51 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

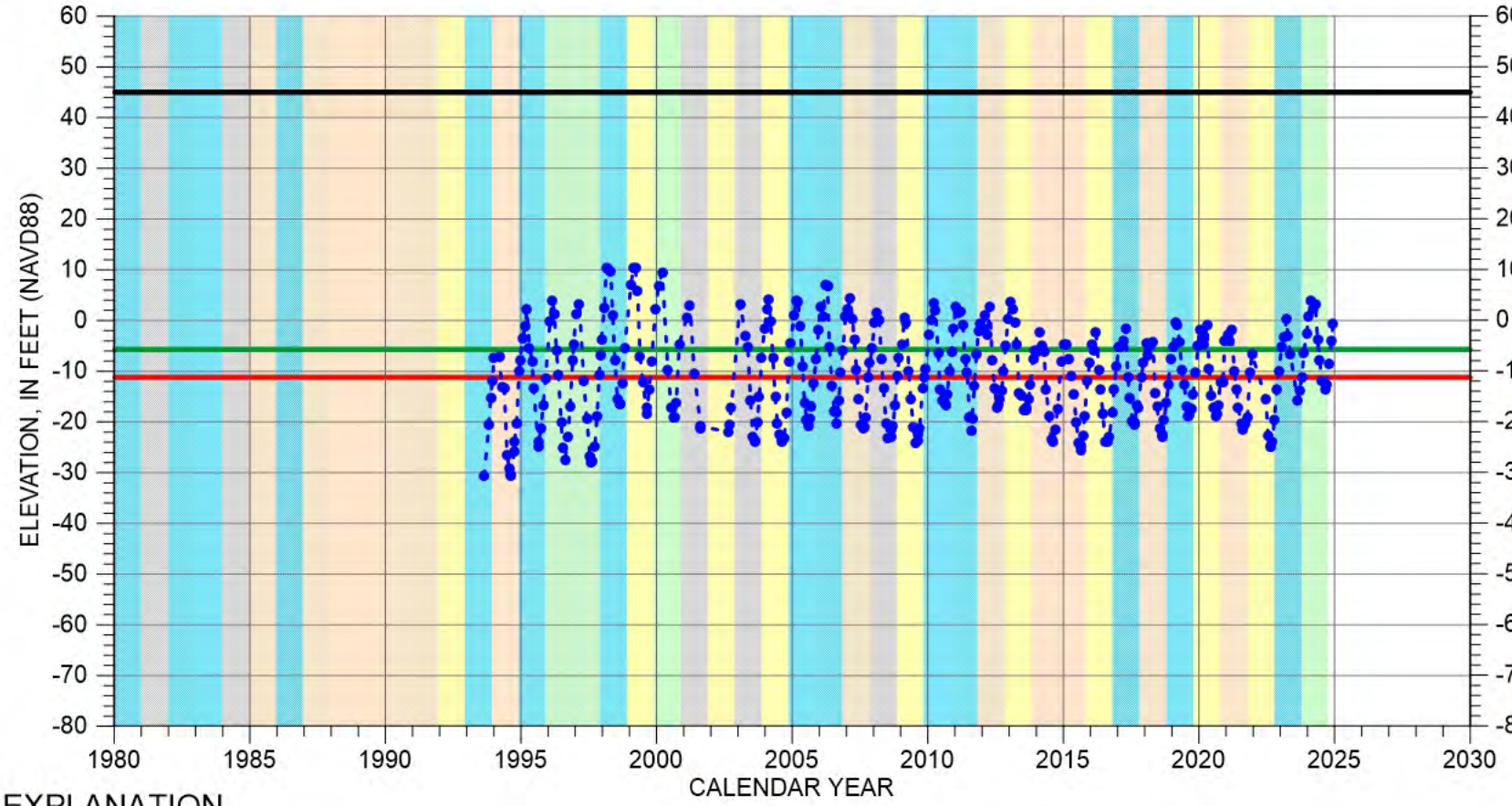




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_02E-12B02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-13F03

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

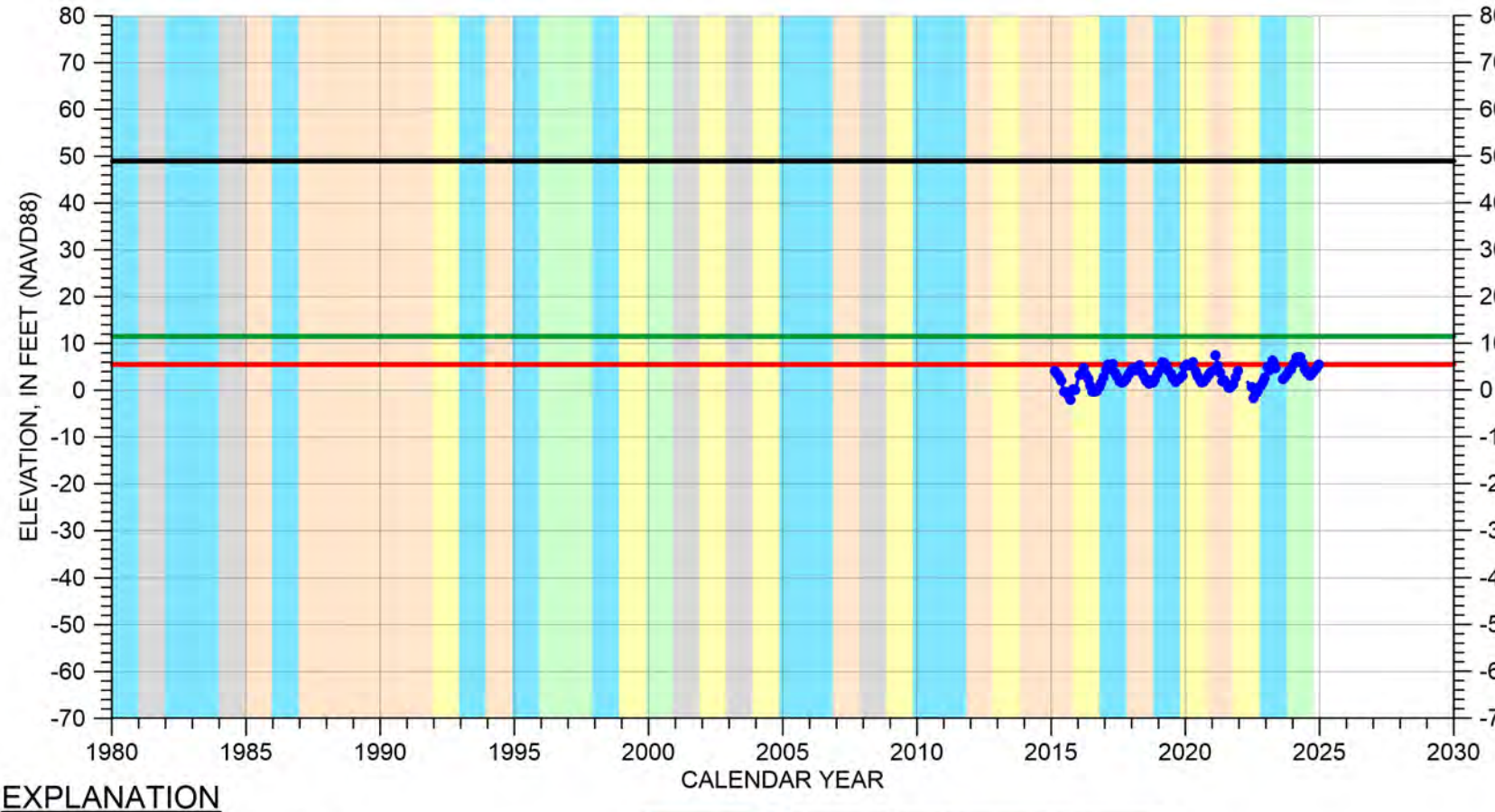
Perforated from
-185 to -225 feet msl

Well bottom
-235 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\14S_02E-13F03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-17C02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

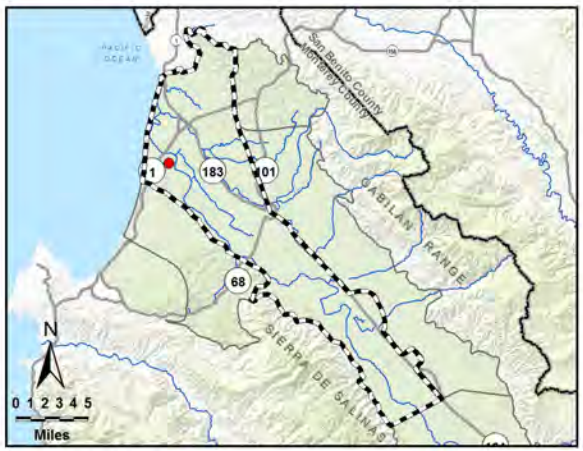


EXPLANATION

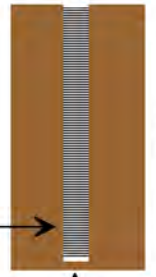
- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



Perforated from
-31 to -91 feet msl

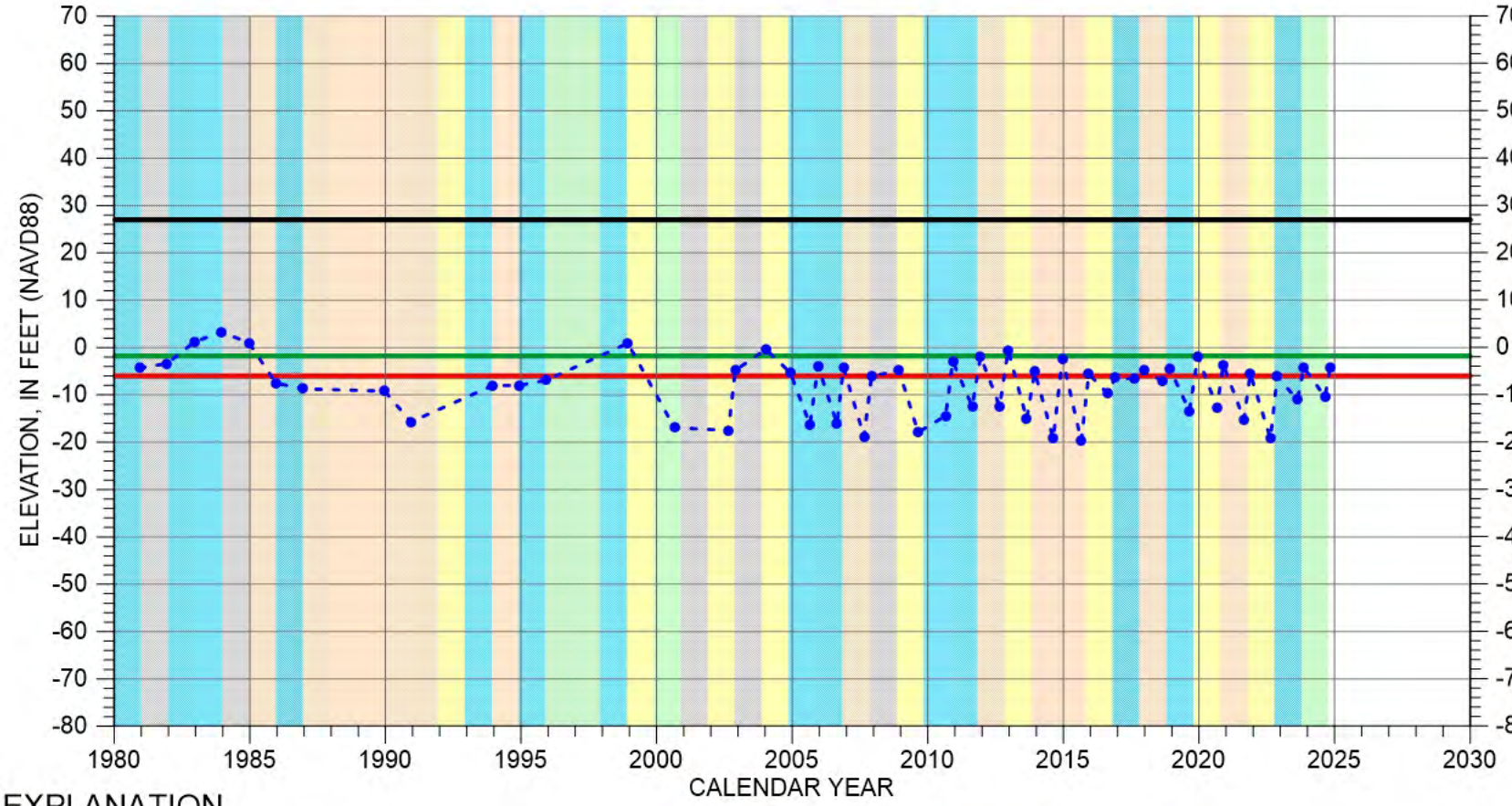


Well bottom
-91 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_02E-17C02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-21L01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

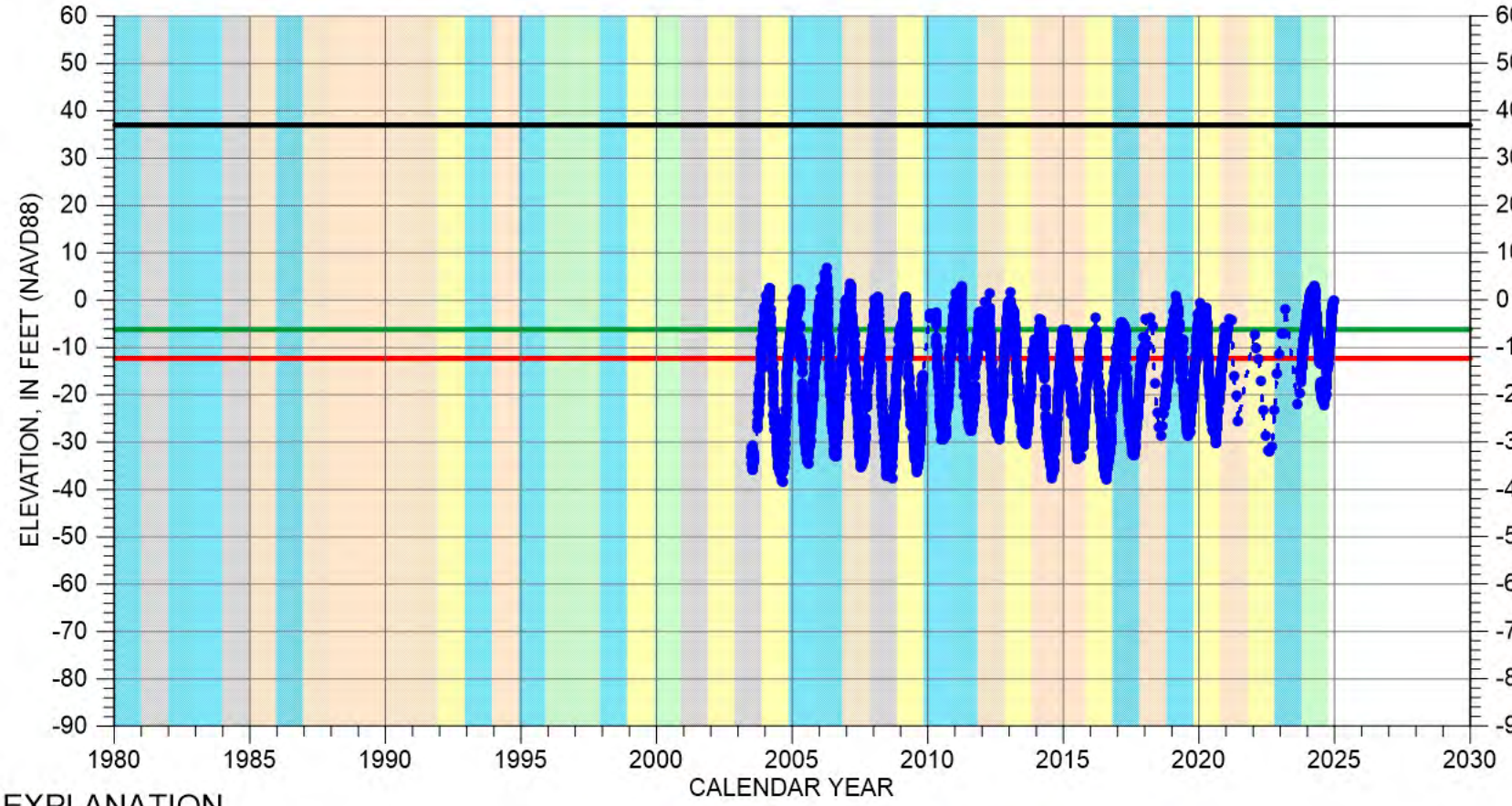
Perforated from
-148 to -223 feet msl

Well bottom
-223 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\14S_02E-21L01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-26H01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

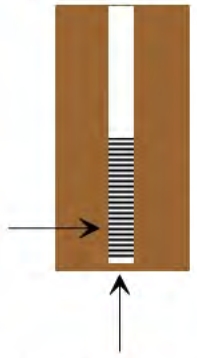


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

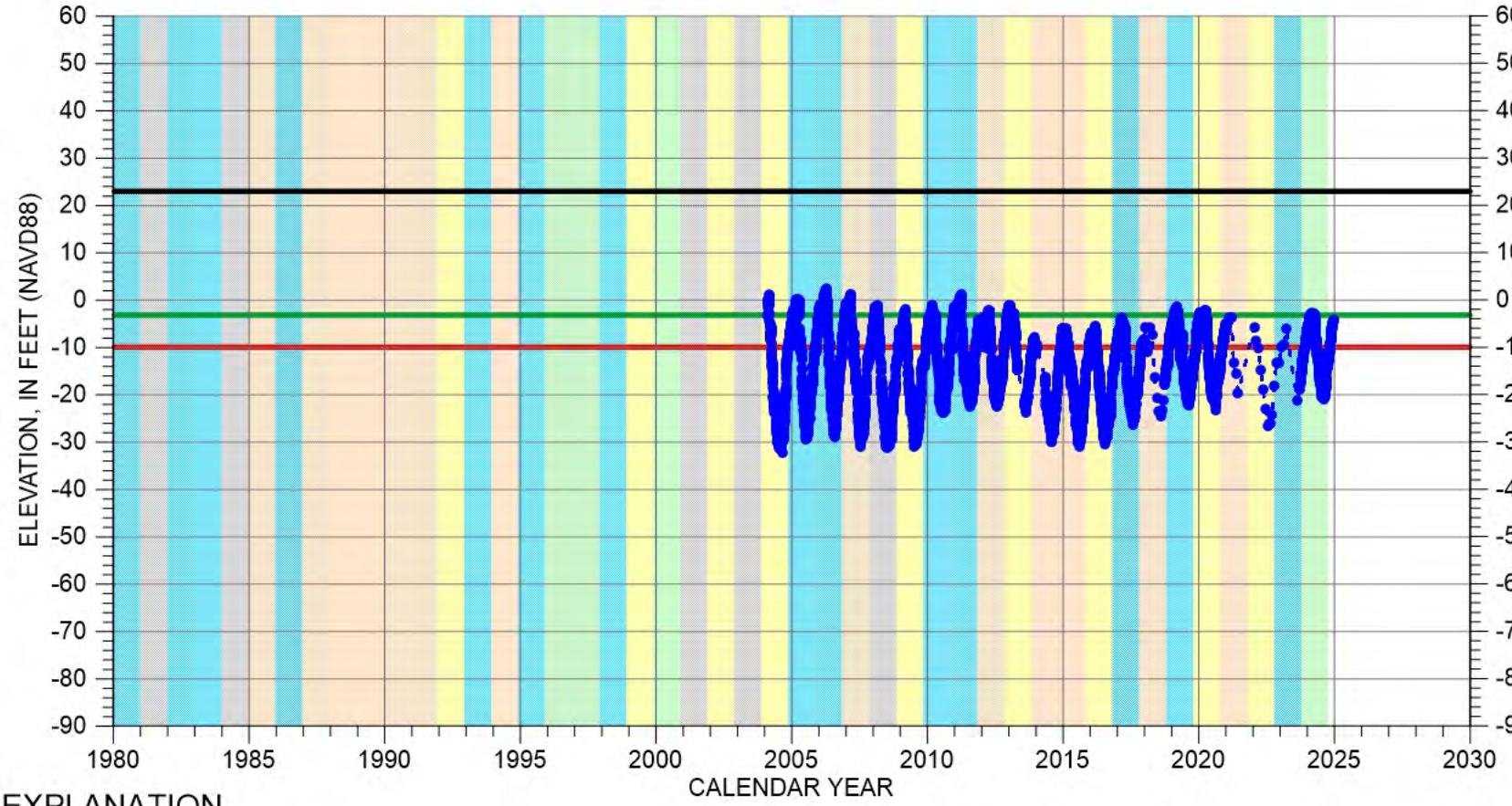
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\14S_02E-26H01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-27A01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

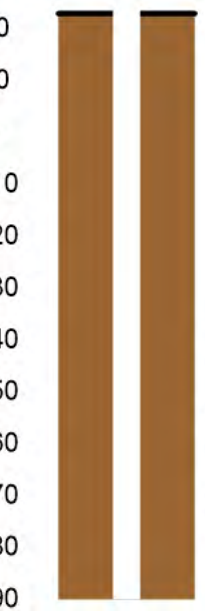


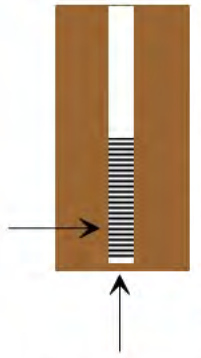
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





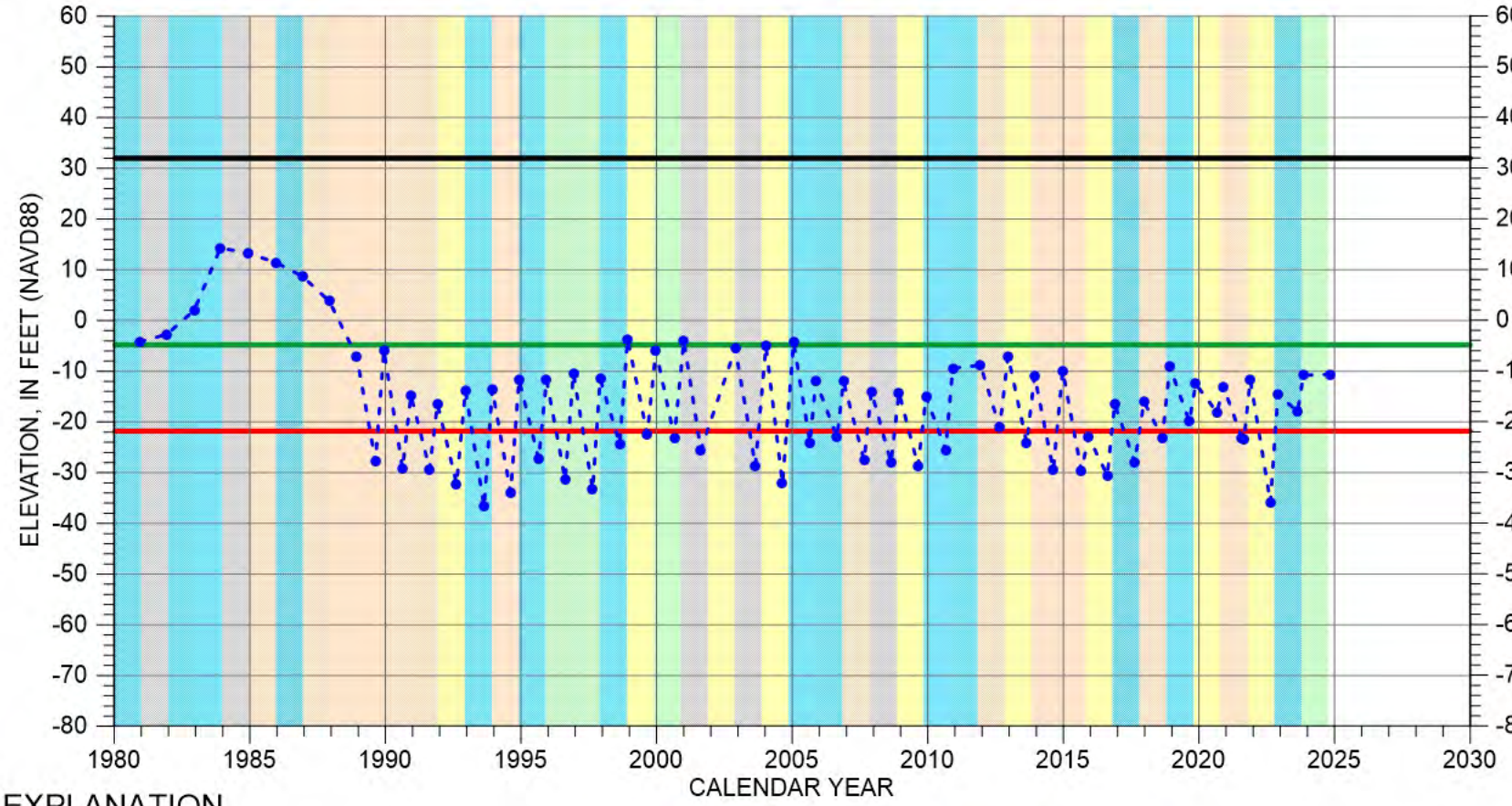
Perforated from
-217 to -267 feet msl

Well bottom
-270 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\14S_02E-27A01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-34B03

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

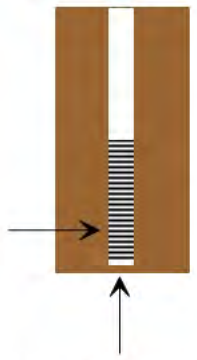


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



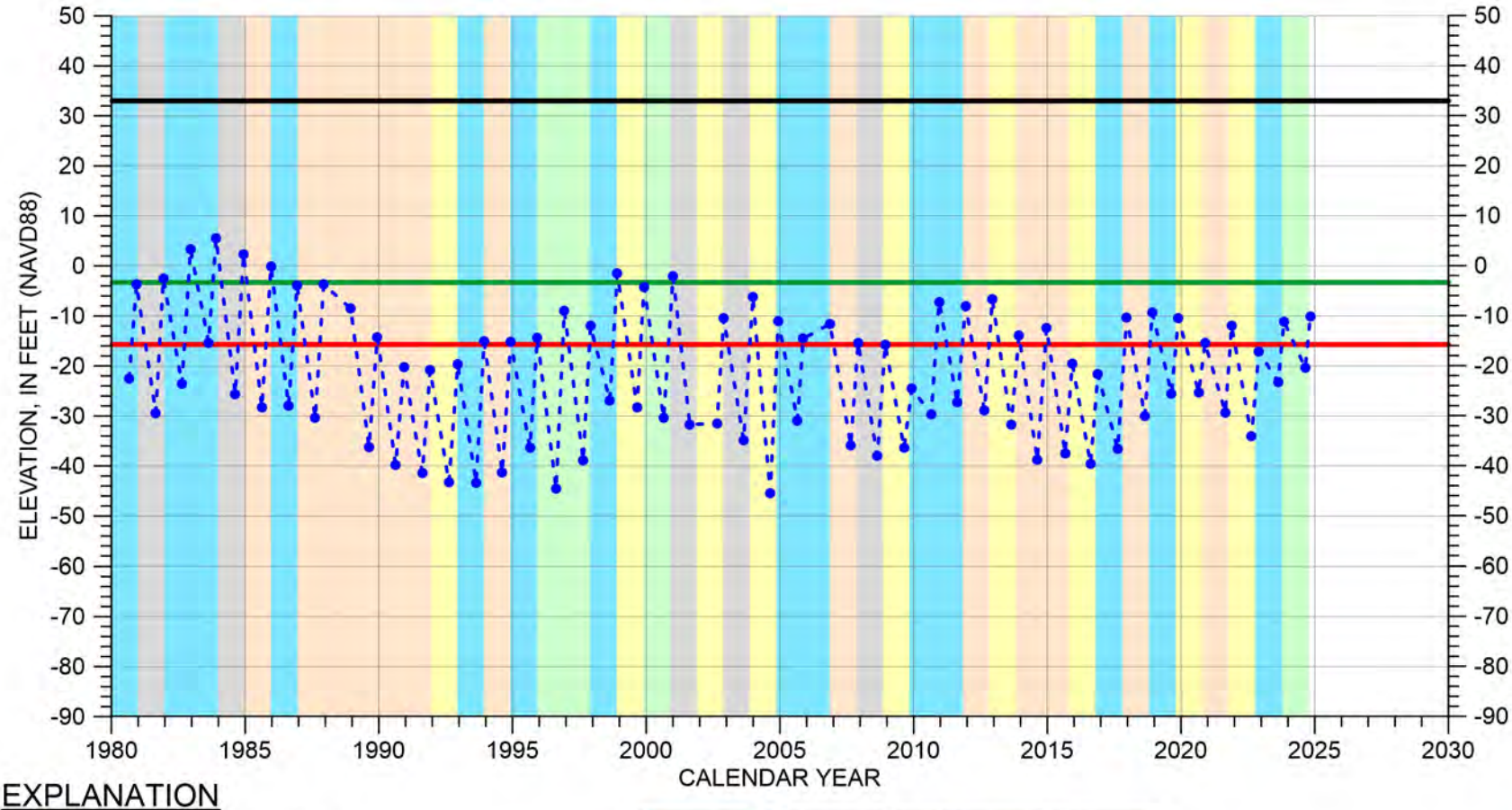
Multiple perforated intervals from -274 to -312 feet msl

Well bottom -314 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\14S_02E-34B03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-36E01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

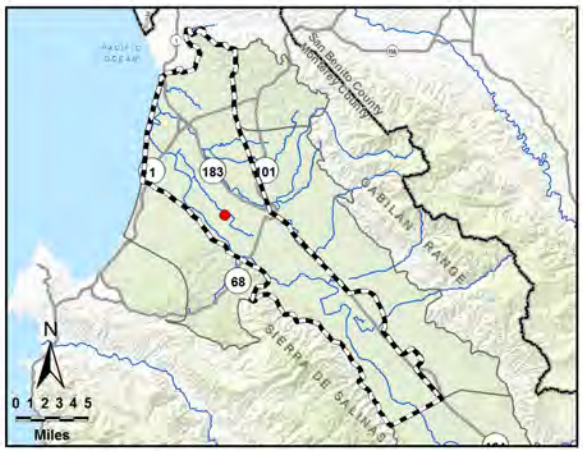


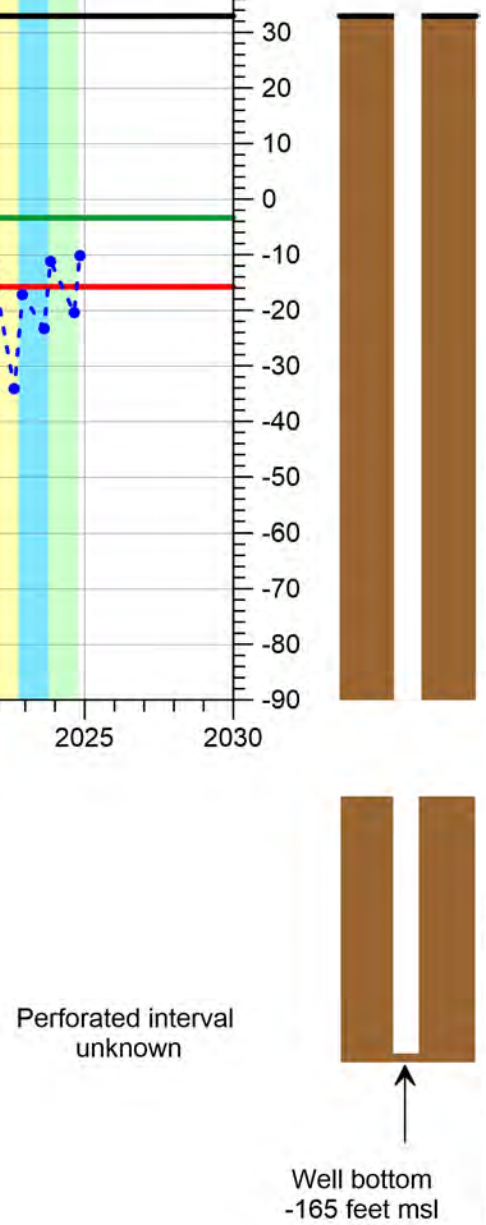
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

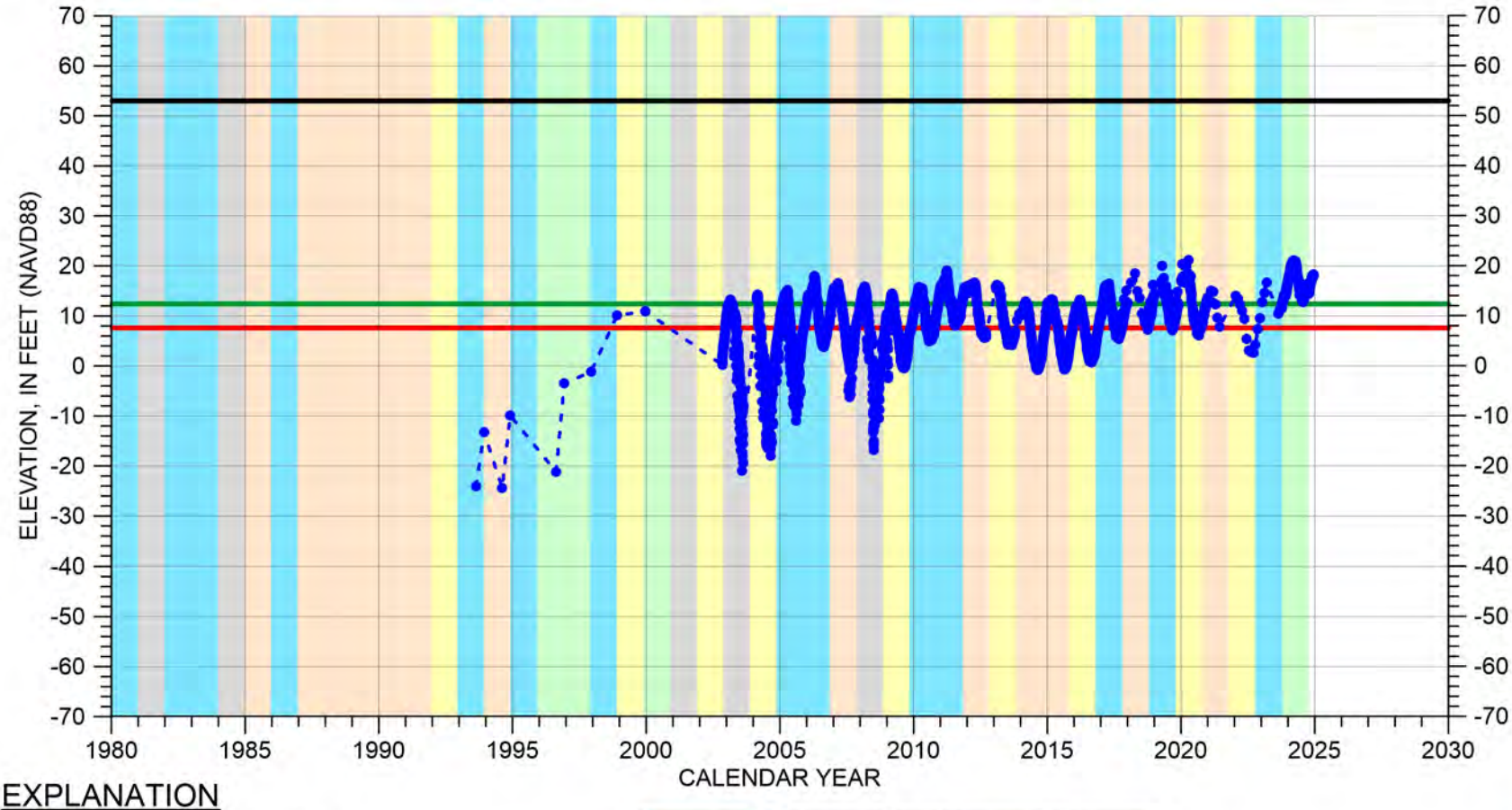




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_02E-36E01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-18C01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

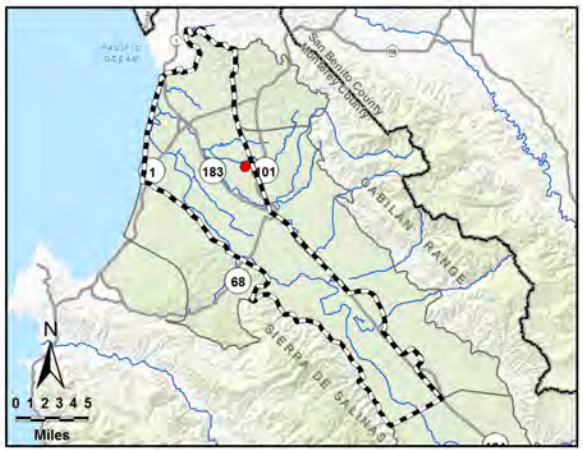


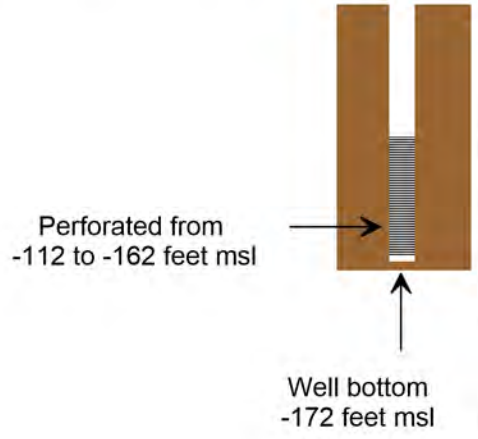
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

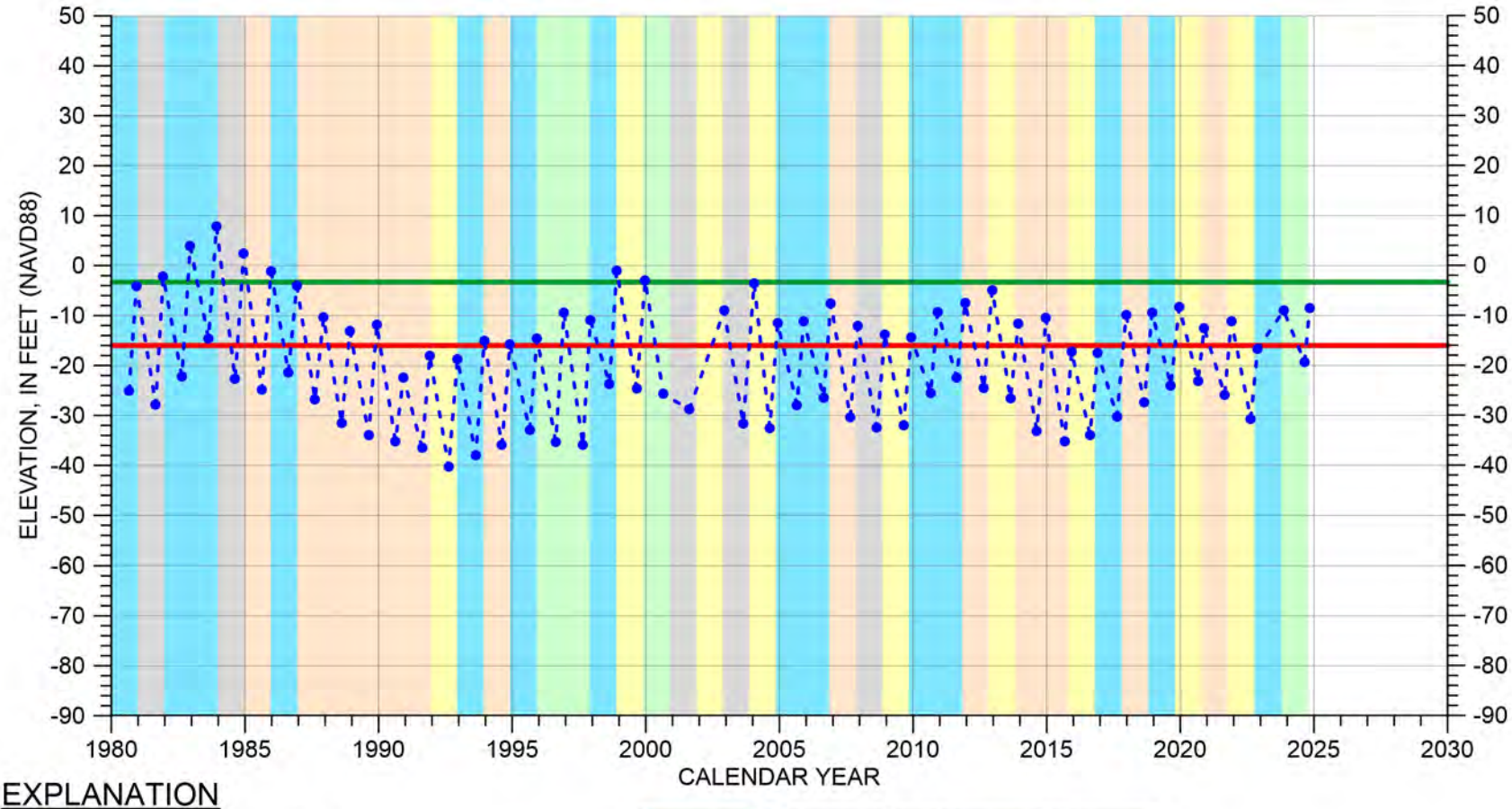




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_03E-18C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-19G01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

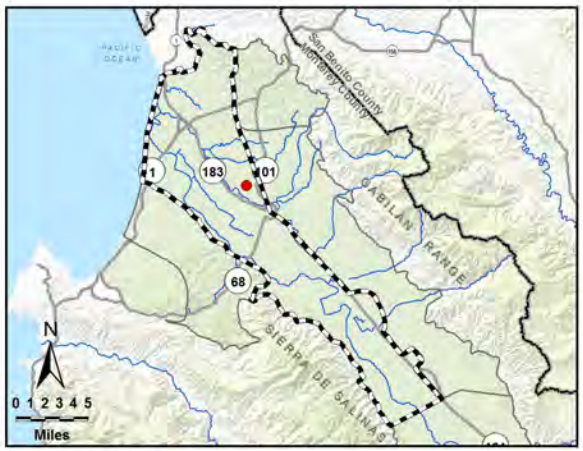


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (58 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



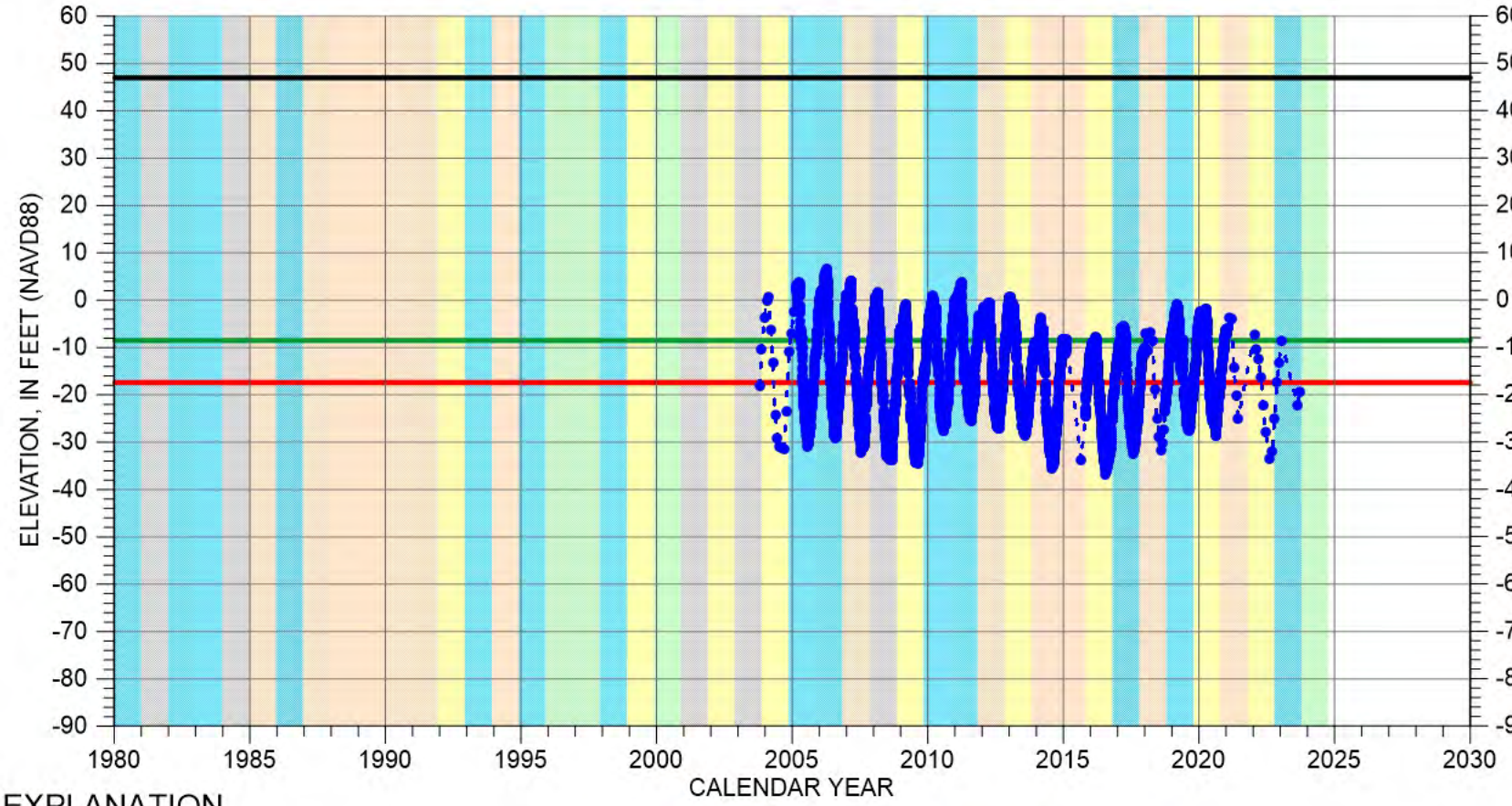
Perforated interval unknown

Well bottom elevation unknown

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_03E-19G01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-30G08

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

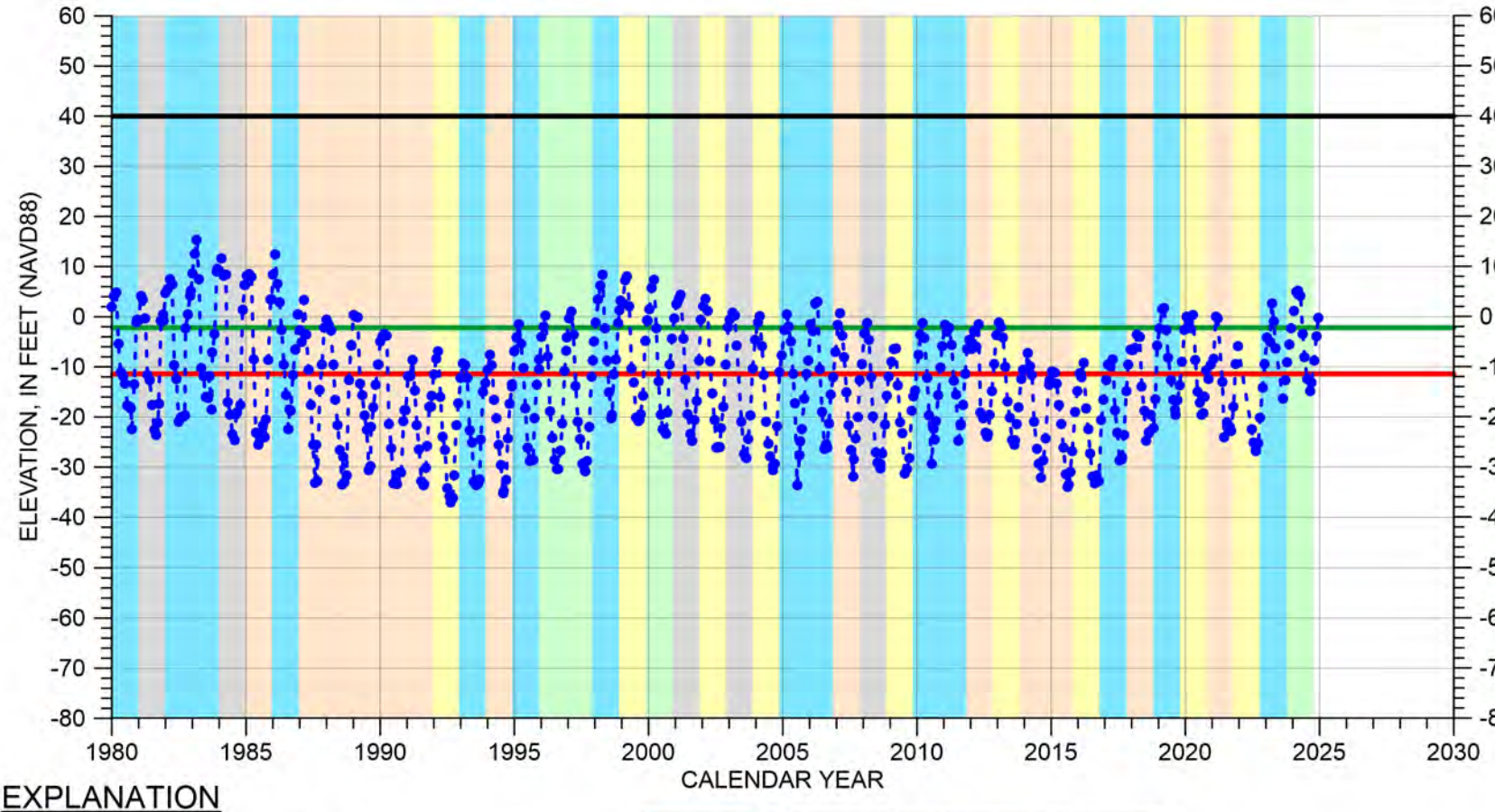
Perforated from
-193 to -243 feet msl

Well bottom
-246 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\14S_03E-30G08.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-31F01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

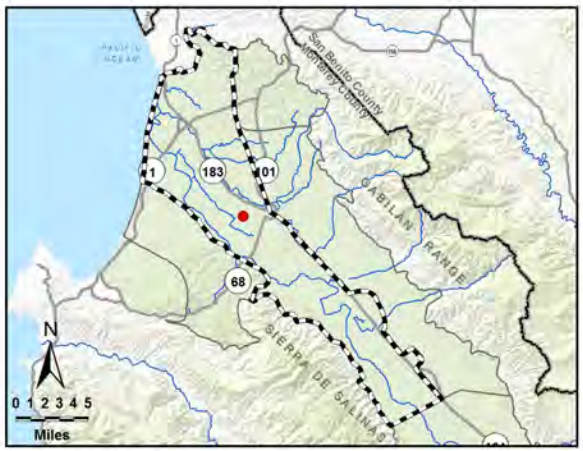


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

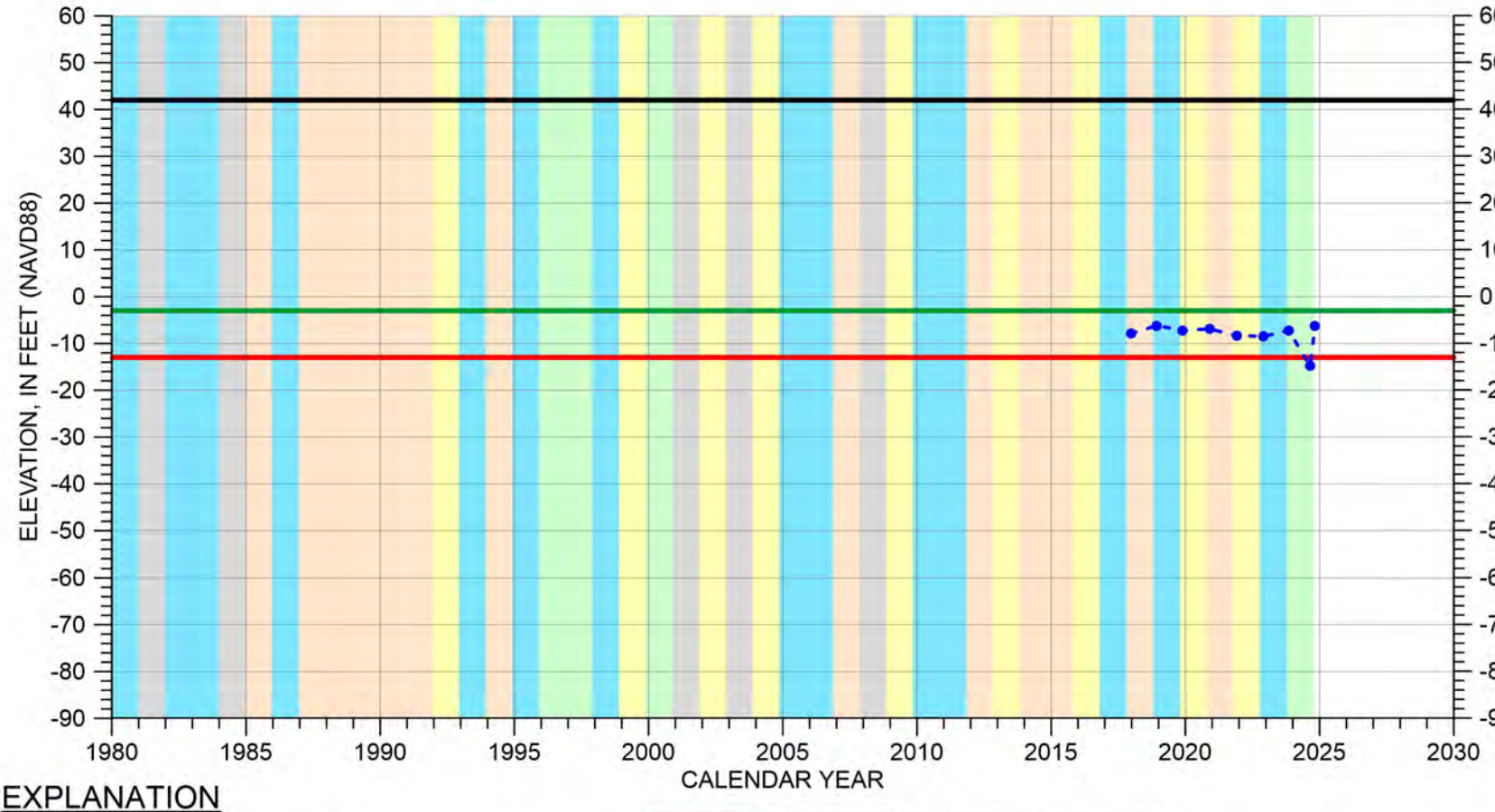
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\14S_03E-31F01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/02E-12C01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

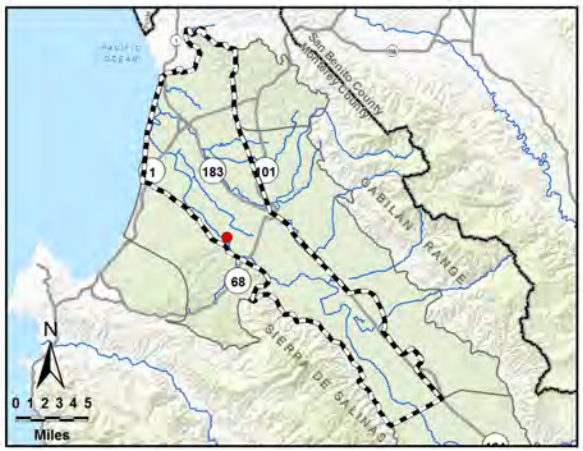


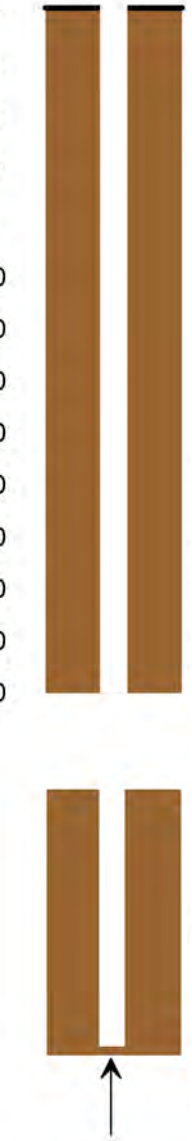
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

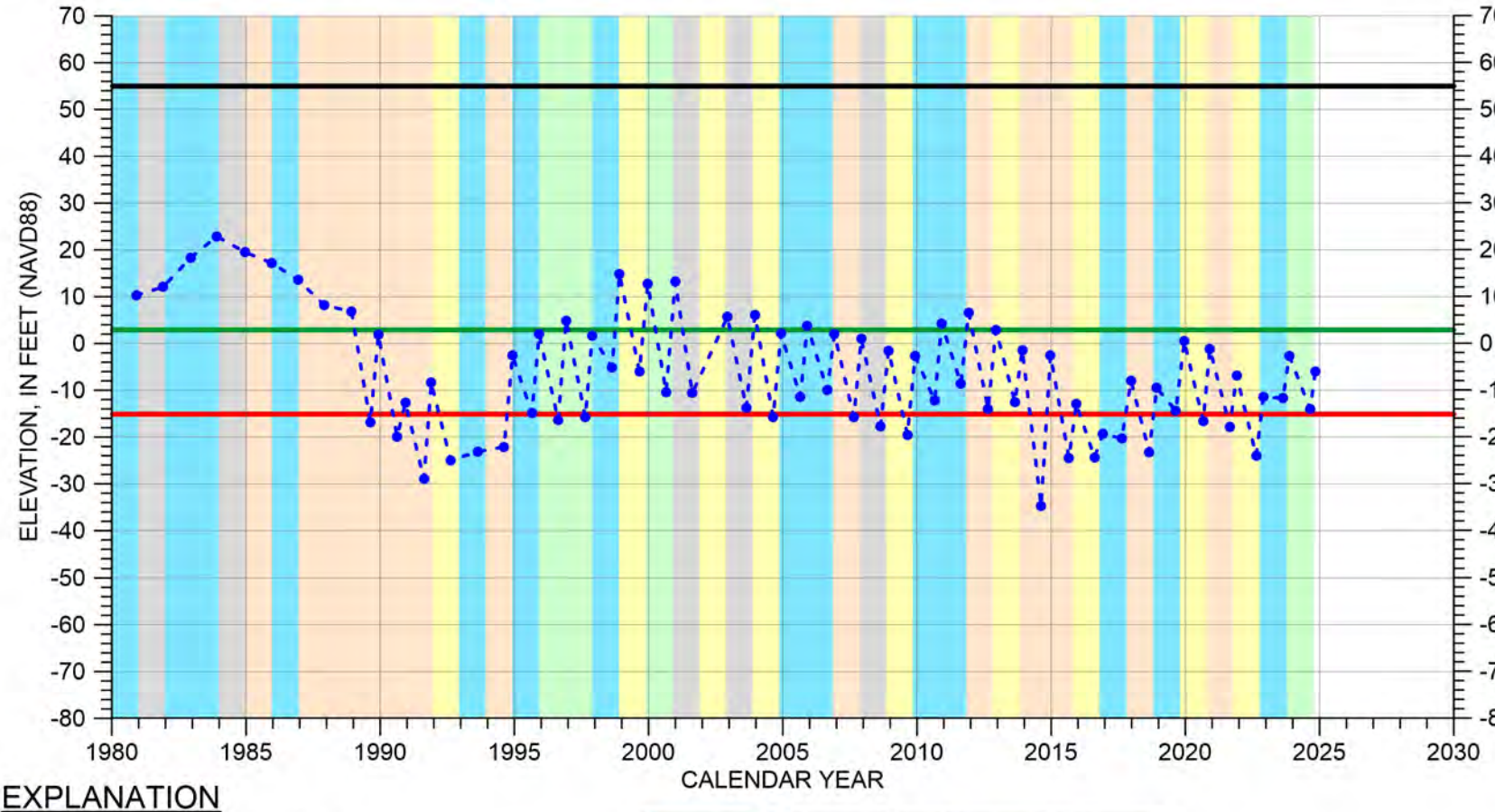




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\15S_02E-12C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-09E03

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

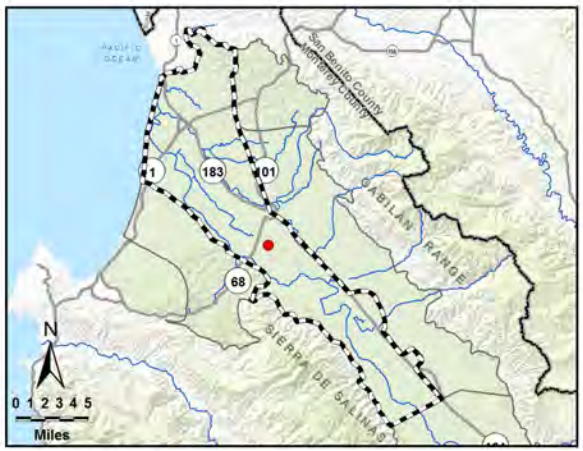


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



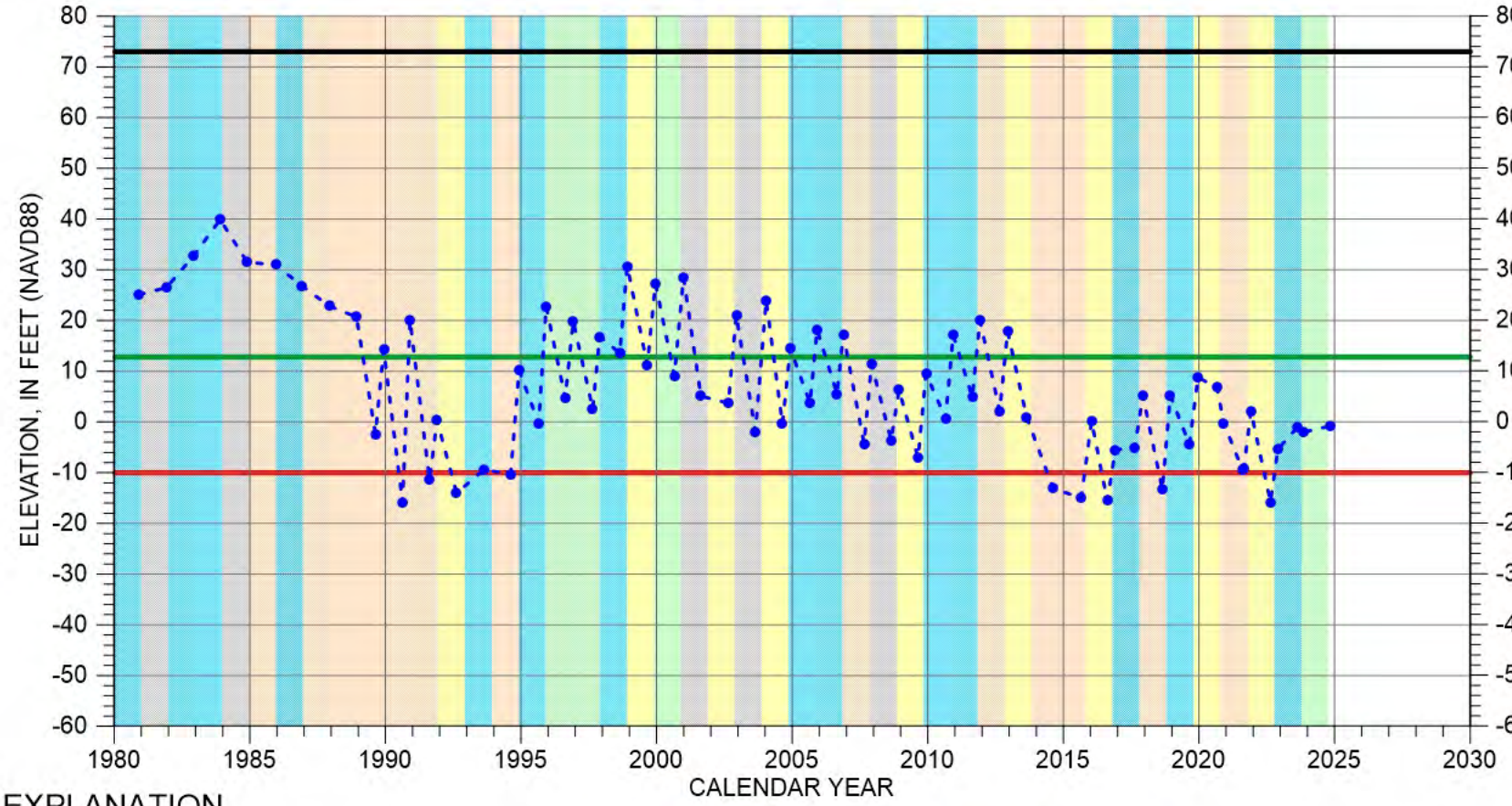
Multiple perforated intervals from -130 to -191 feet msl

Well bottom -194 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\15S_03E-09E03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-13N01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

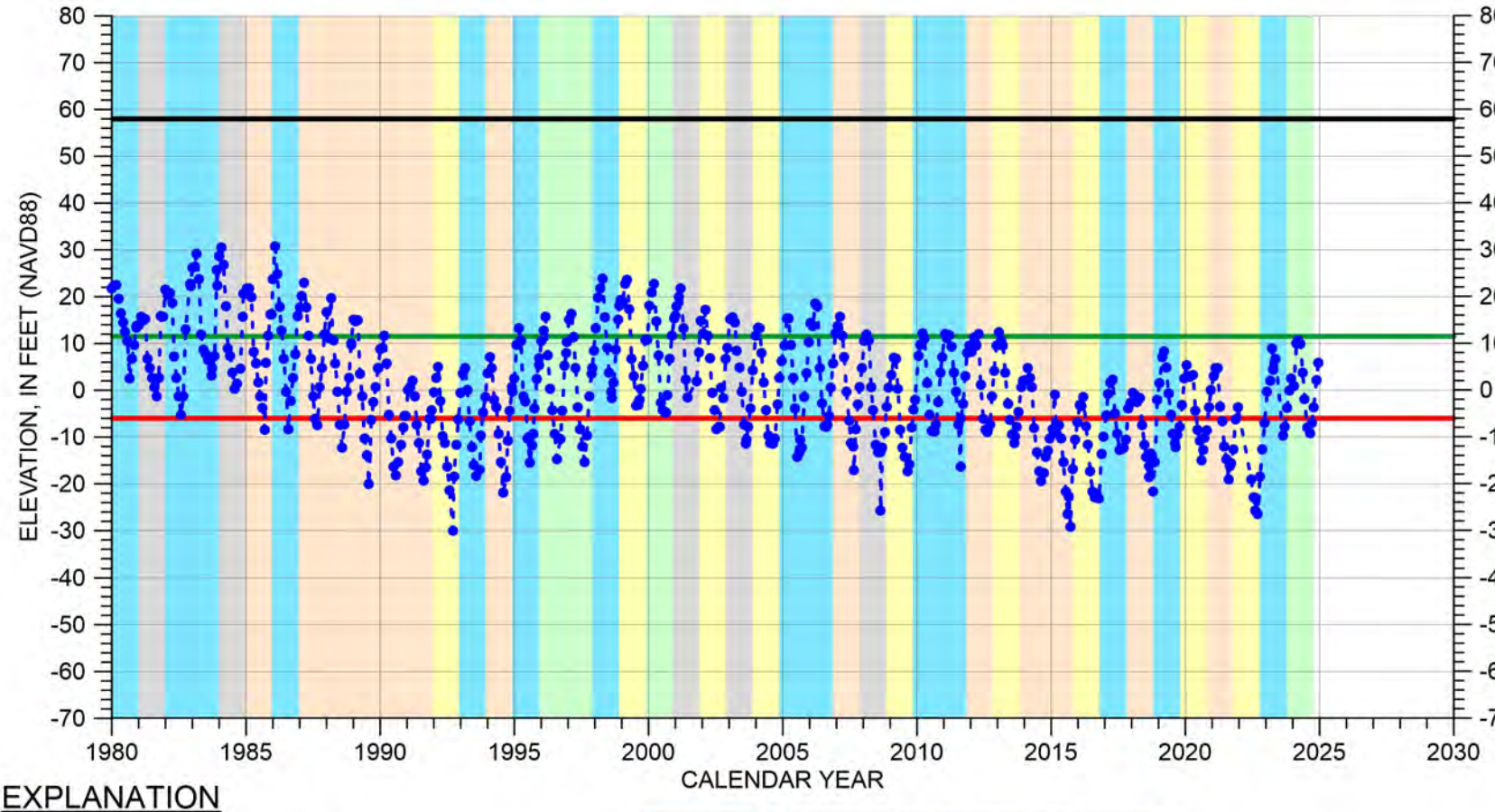
Multiple perforated intervals from -143 to -199 feet msl

Well bottom -202 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\15S_03E-13N01.gif

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-16M01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



EXPLANATION

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

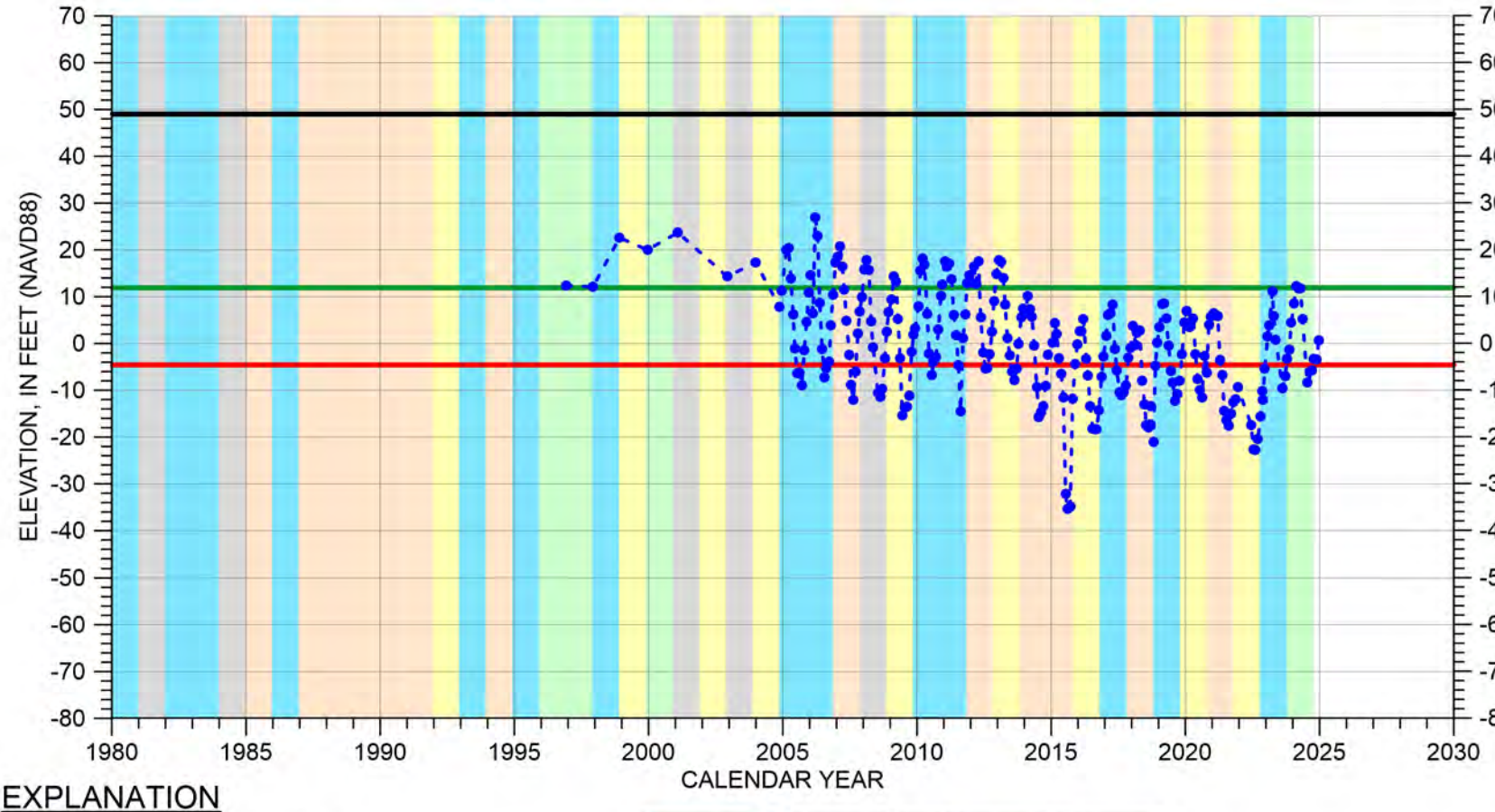
WATER YEAR TYPE DESIGNATION

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

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\15S_03E-16M01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-17M01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

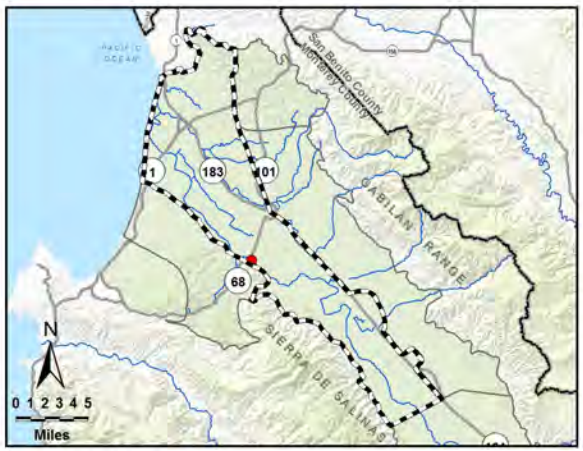


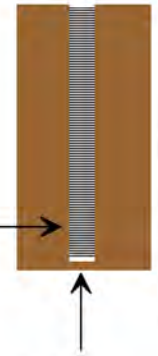
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





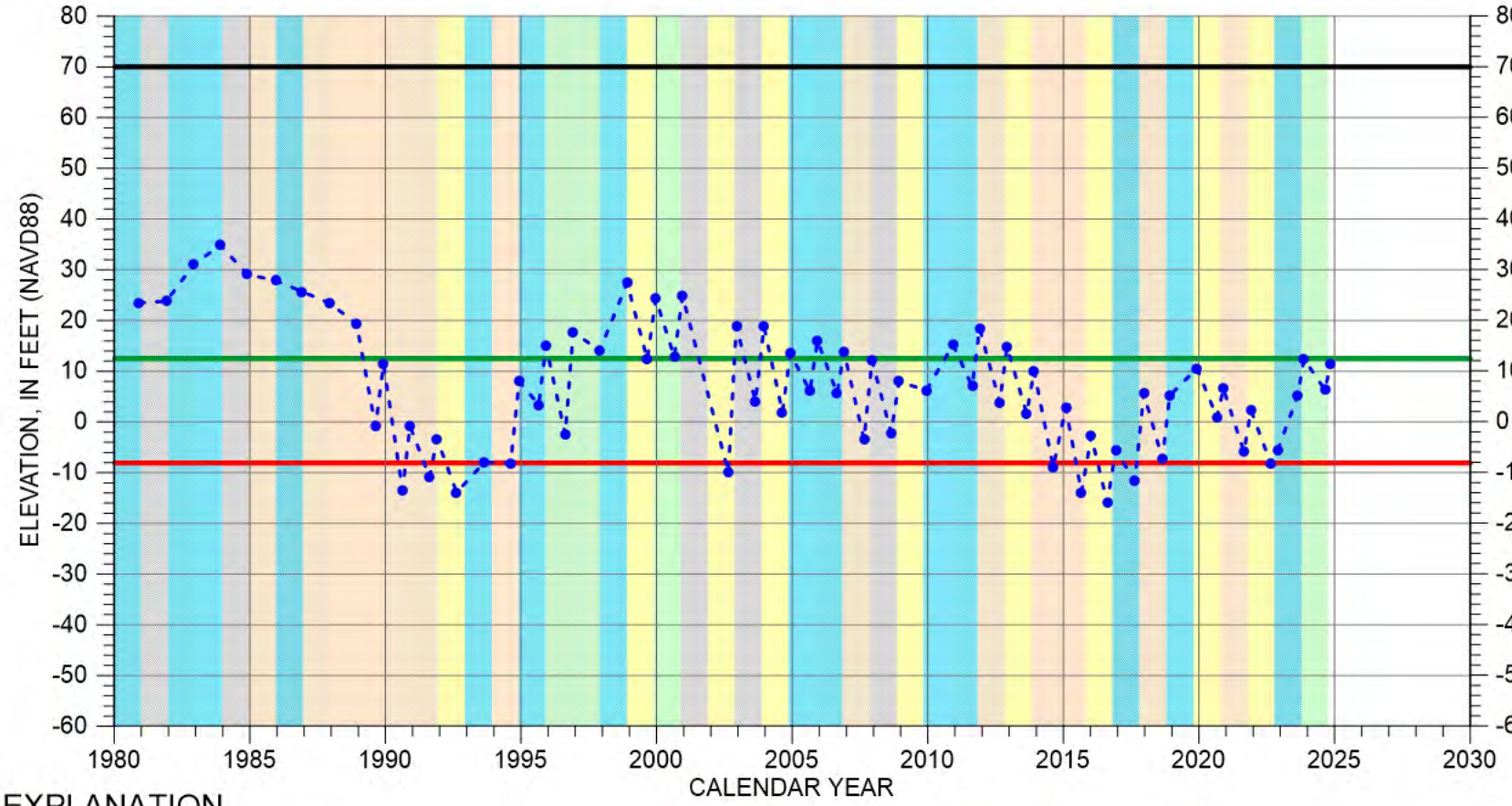
Perforated from
-79 to -131 feet msl

Well bottom
-222 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\15S_03E-17M01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-26F01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

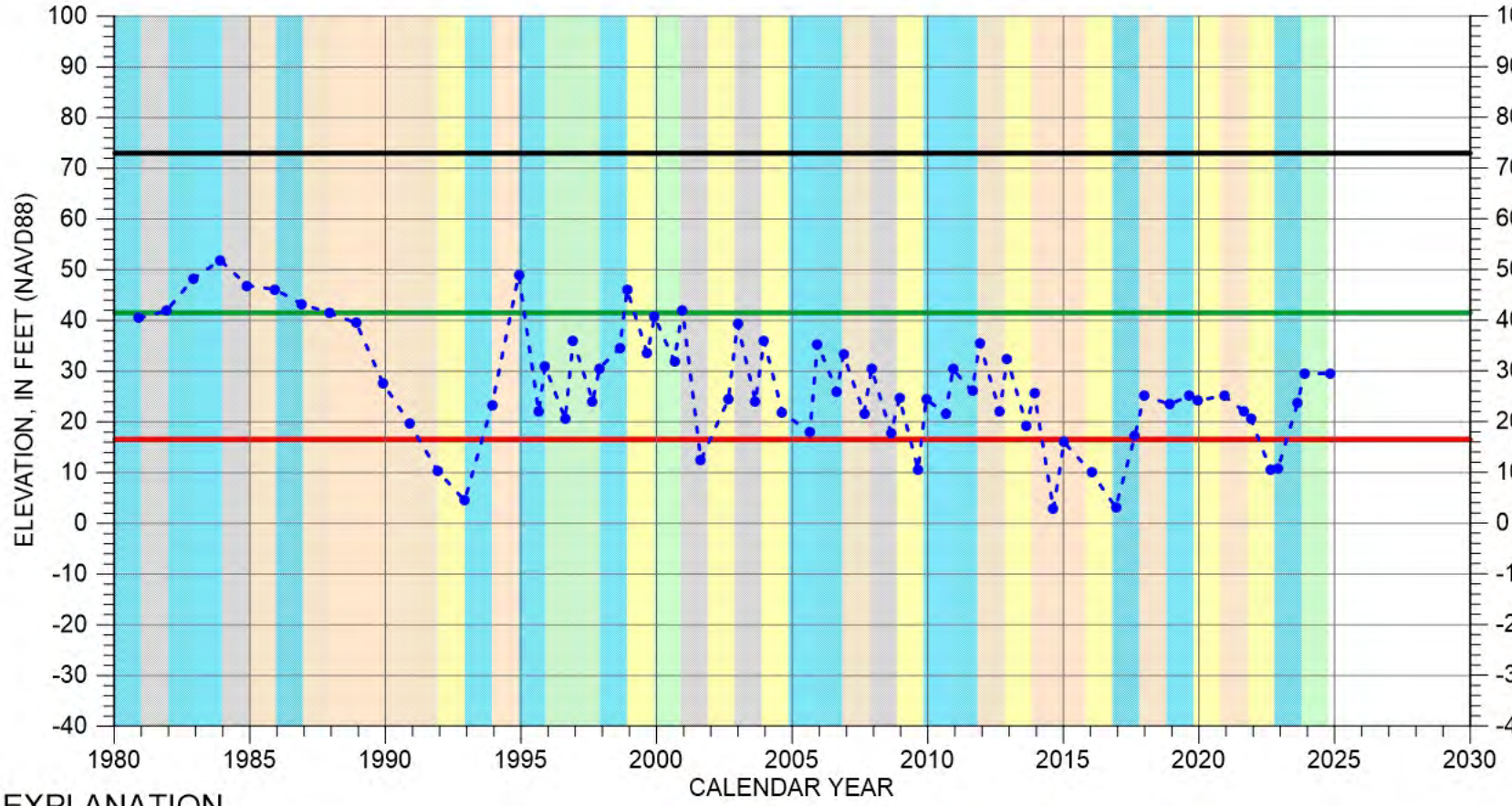
Perforated from
-170 to -224 feet msl

Well bottom
-246 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\15S_03E-26F01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/04E-31A02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

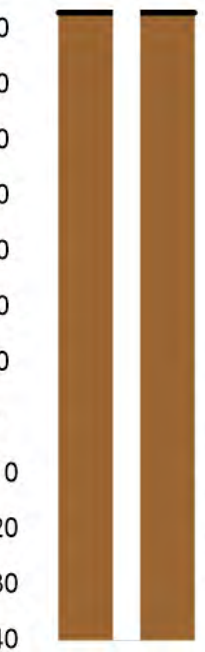


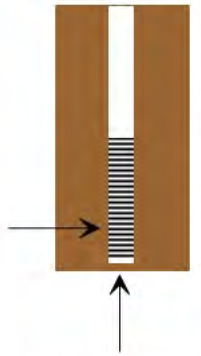
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





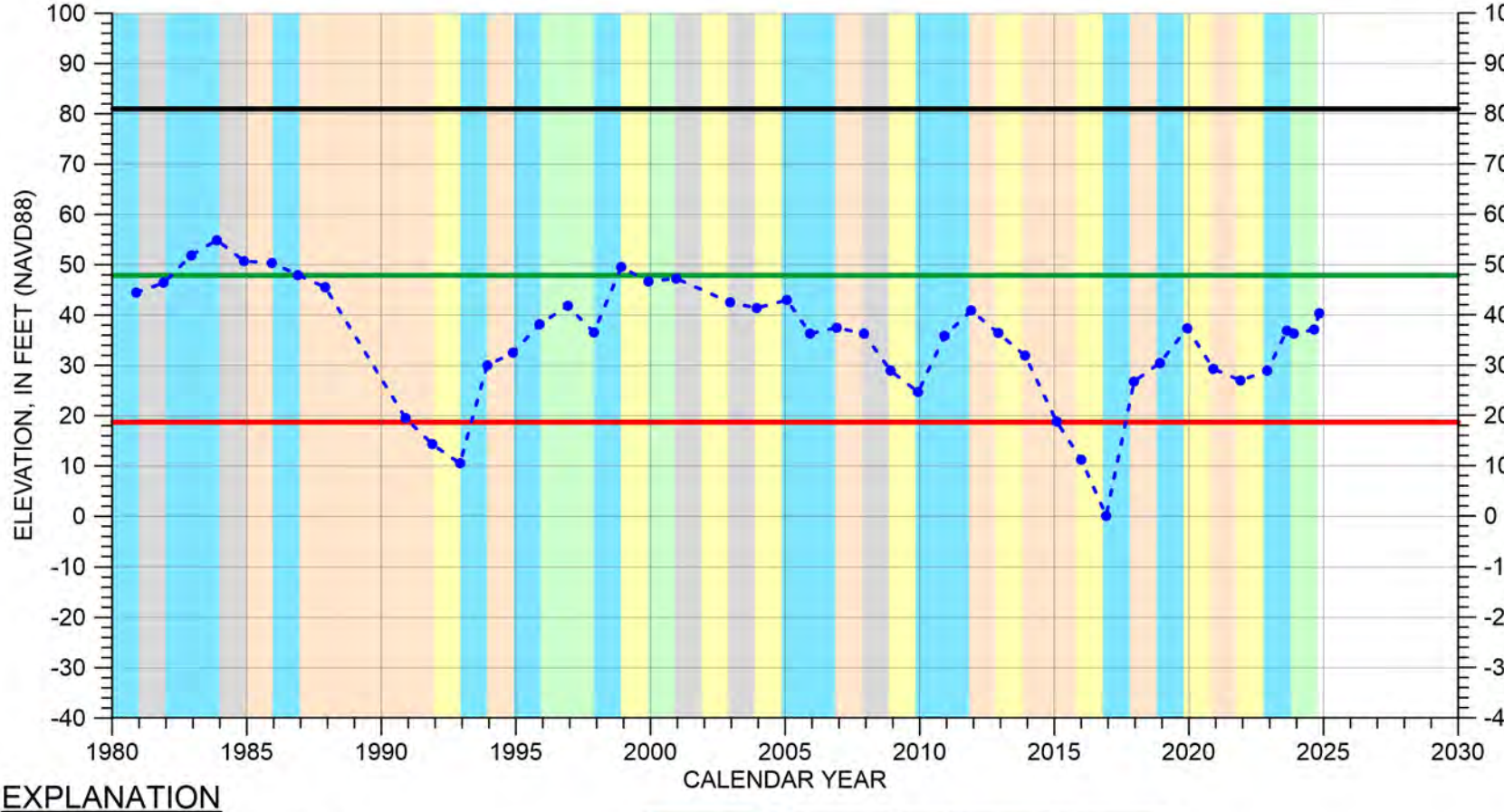
Multiple perforated
intervals from
-145 to -254 feet msl

Well bottom
-262 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\15S_04E-31A02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-05M02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

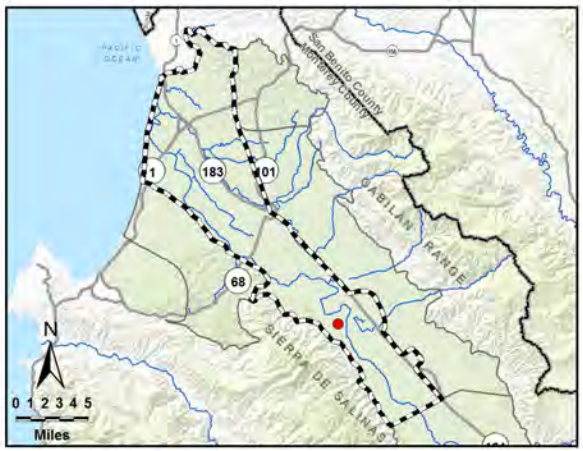


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

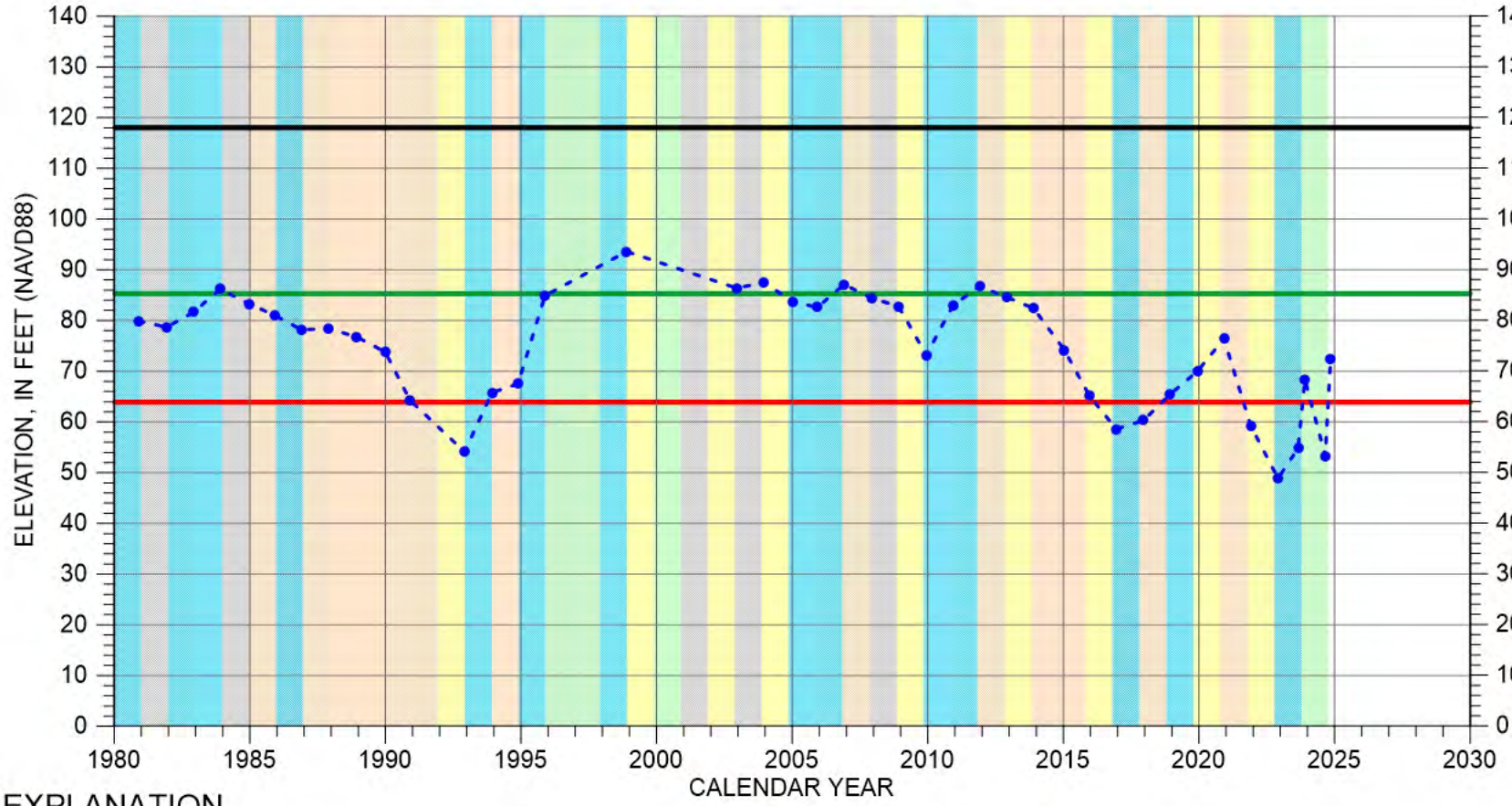
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\16S_04E-05M02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-13R02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

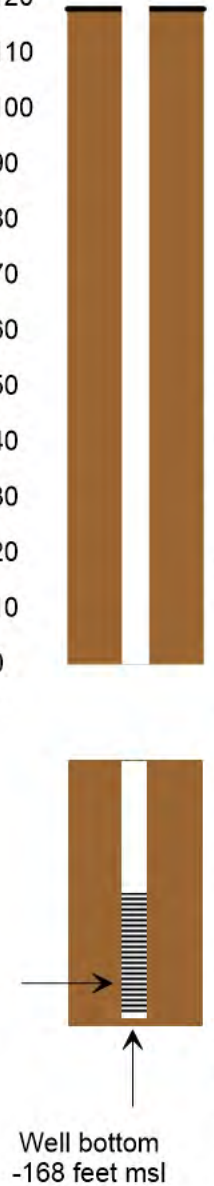


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

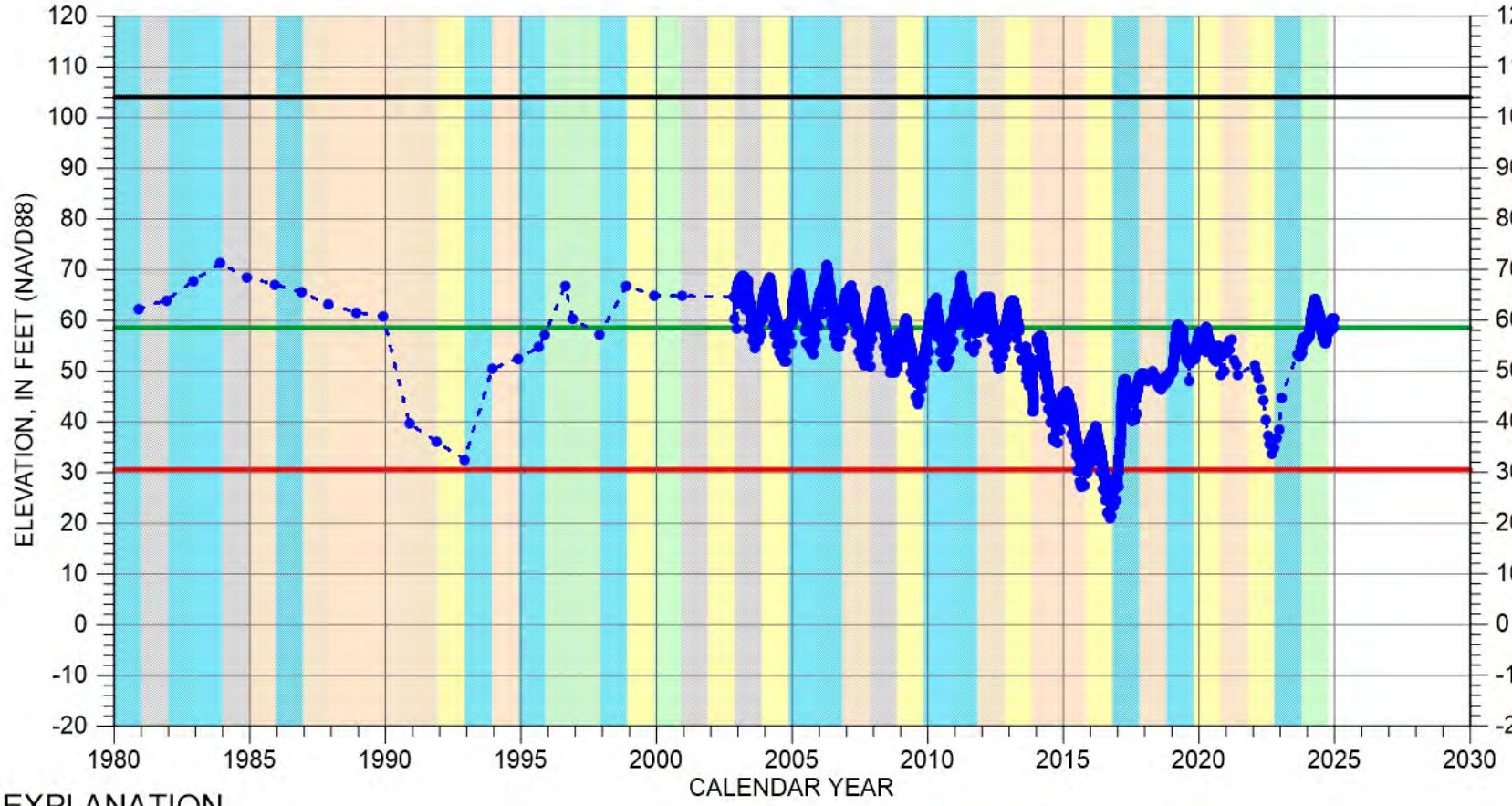
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\16S_04E-13R02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-15D01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

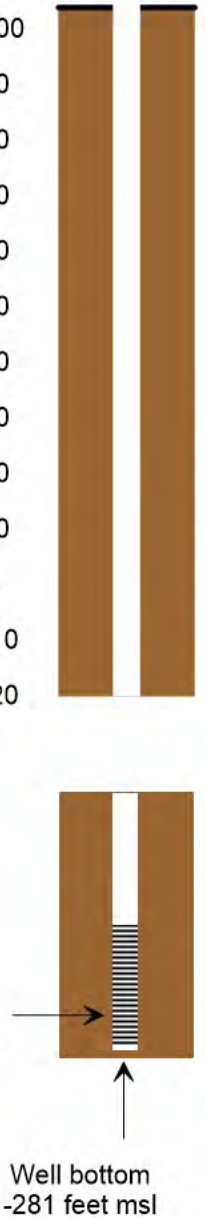


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

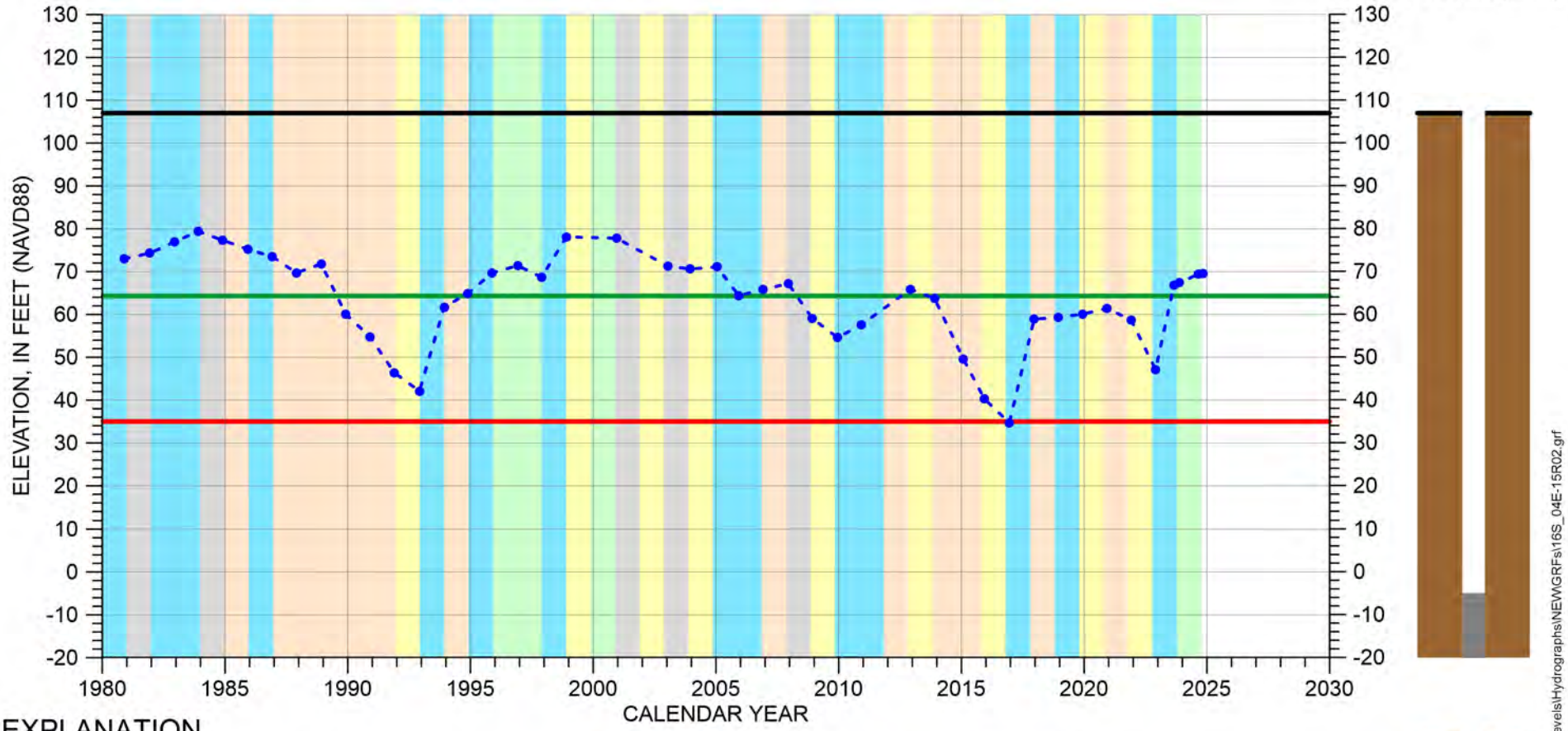
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\16S_04E-15D01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-15R02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

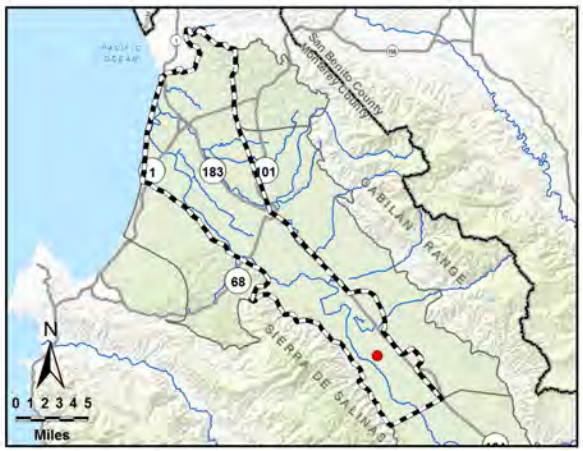


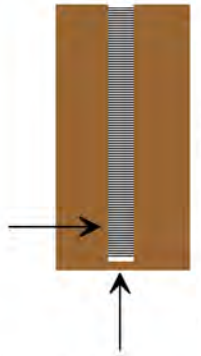
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





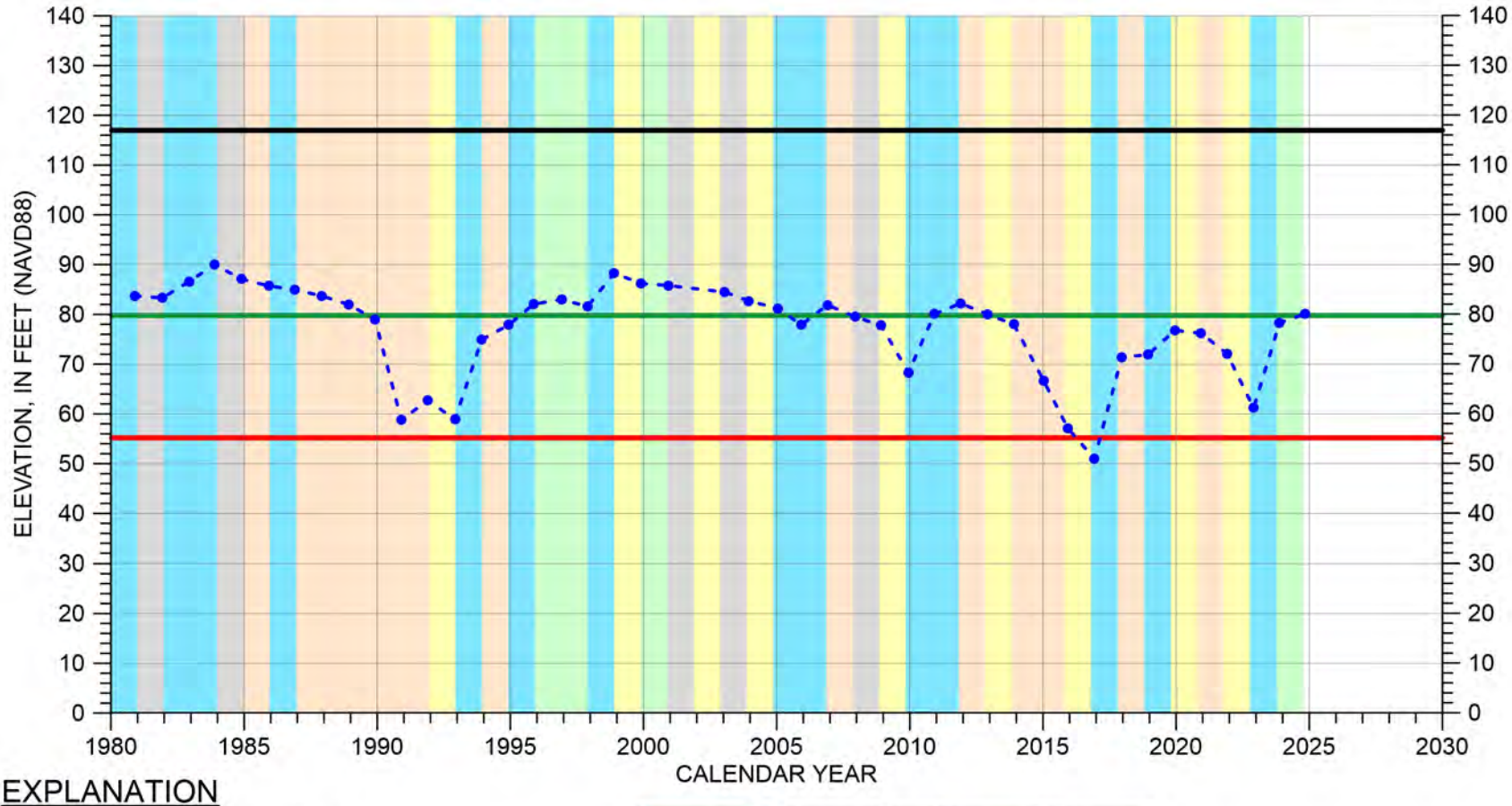
Multiple perforated
intervals from
-5 to -73 feet msl

Well bottom
-193 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\16S_04E-15R02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-25C01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

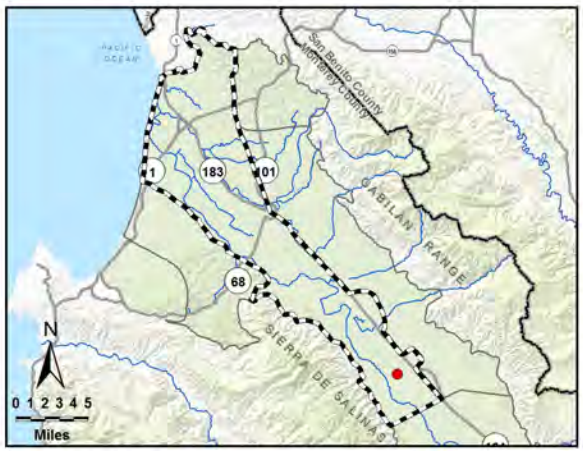


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



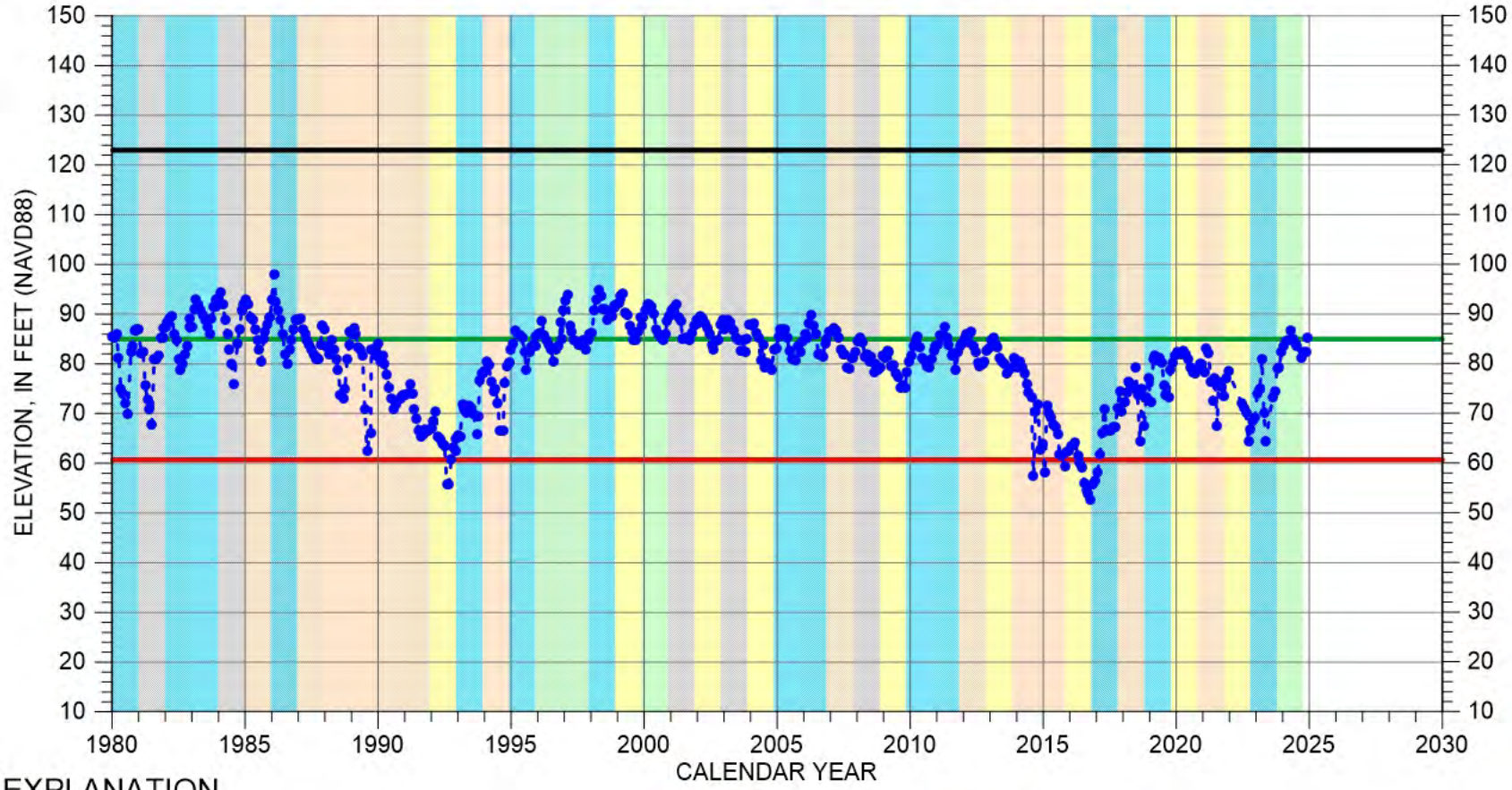
Perforated interval unknown

Well bottom elevation unknown

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\16S_04E-25C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/05E-30E01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)



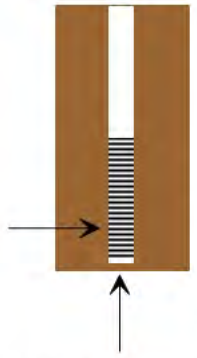
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

Multiple perforated intervals from 0 to -140 feet msl

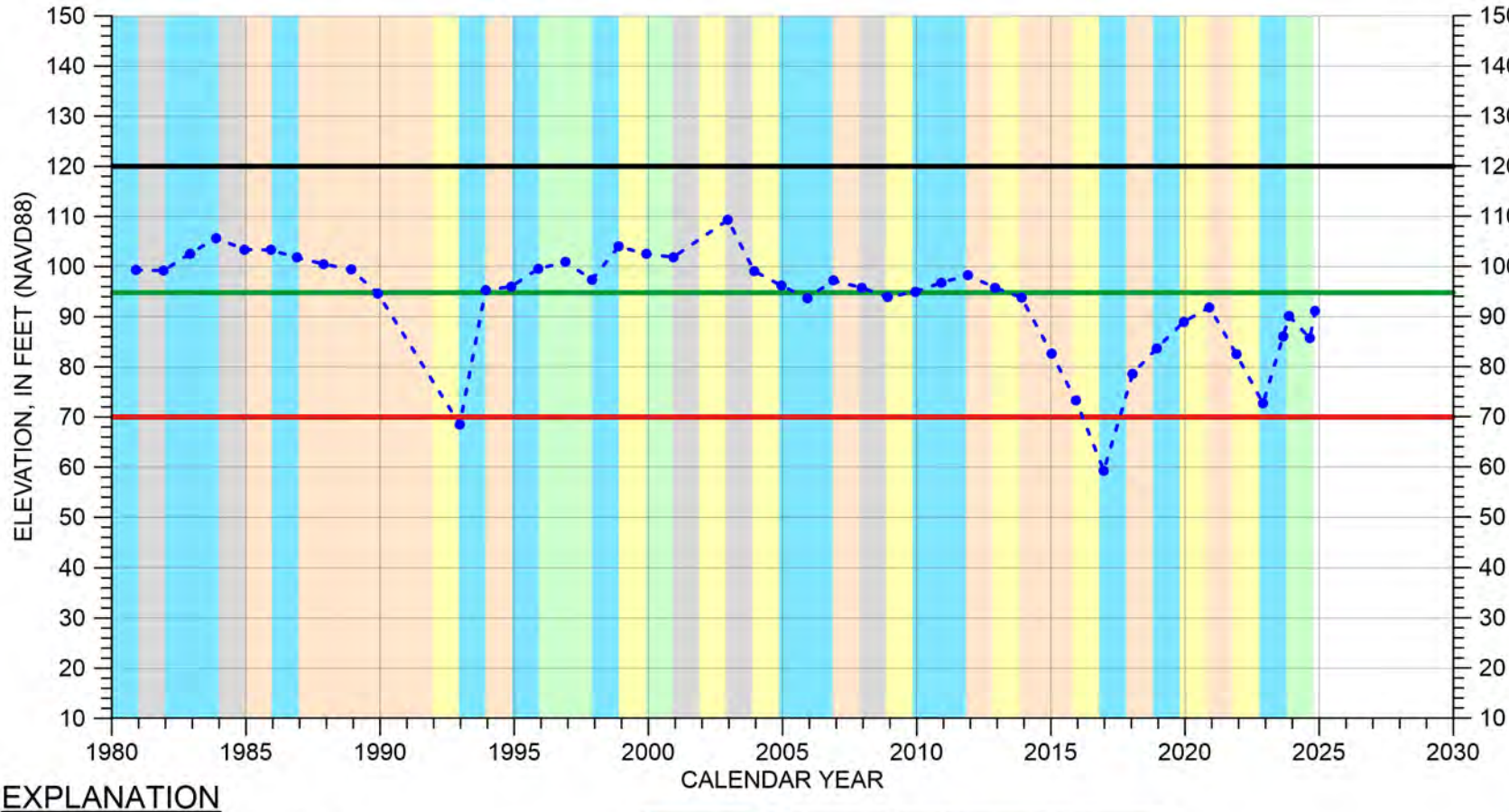


Well bottom -140 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\16S_05E-30E01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/05E-31M01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

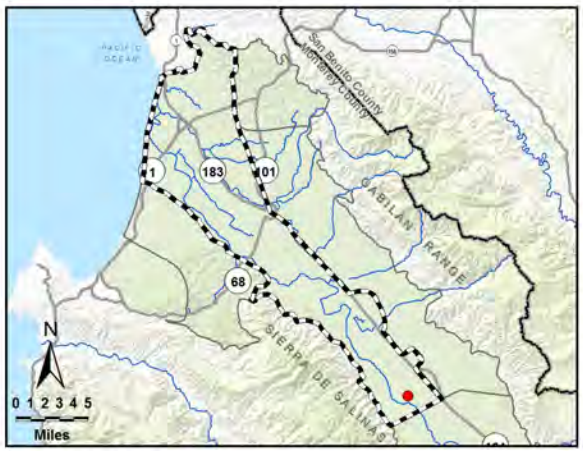


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

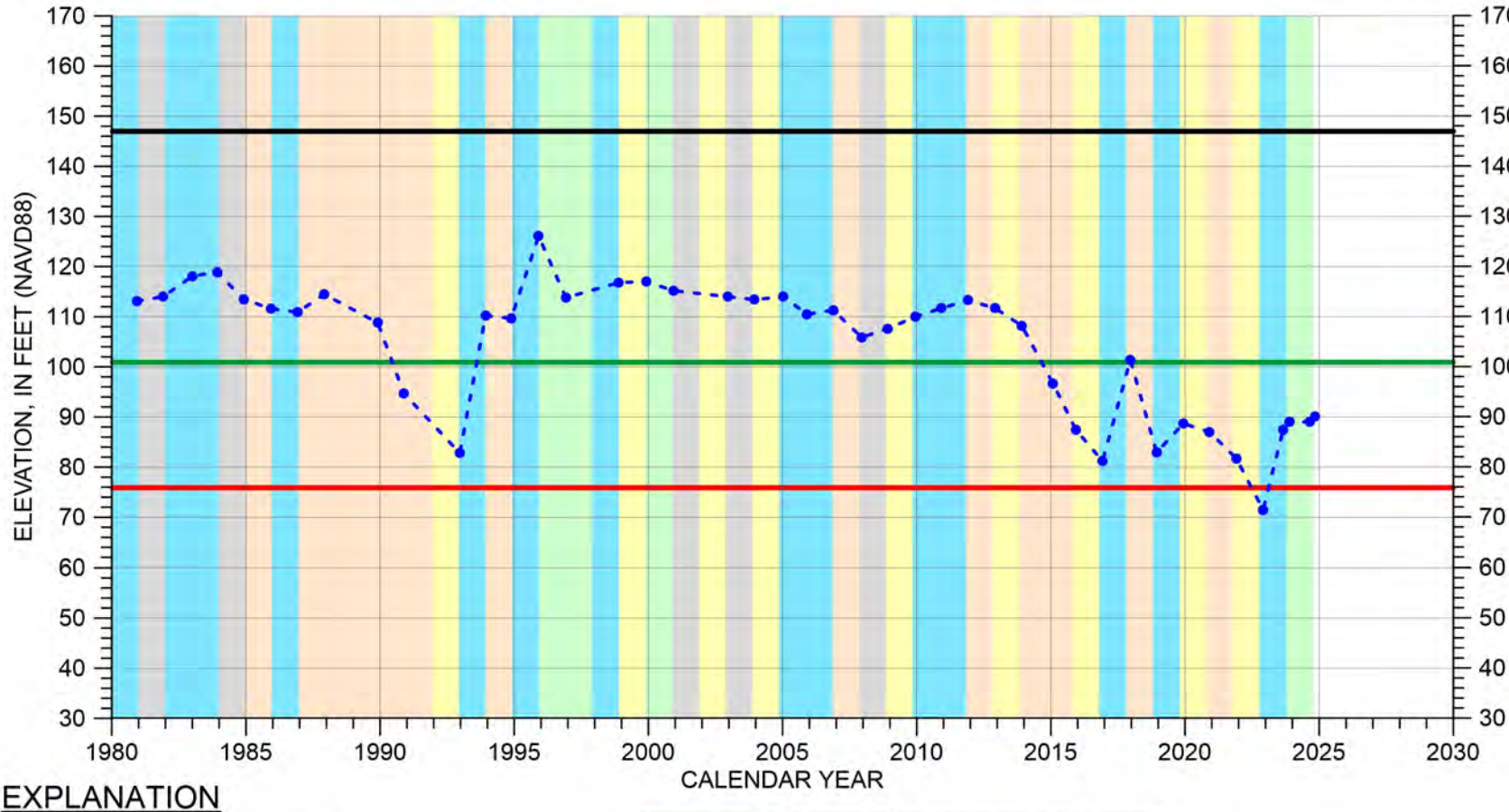
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\16S_05E-31M01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/04E-01D01

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

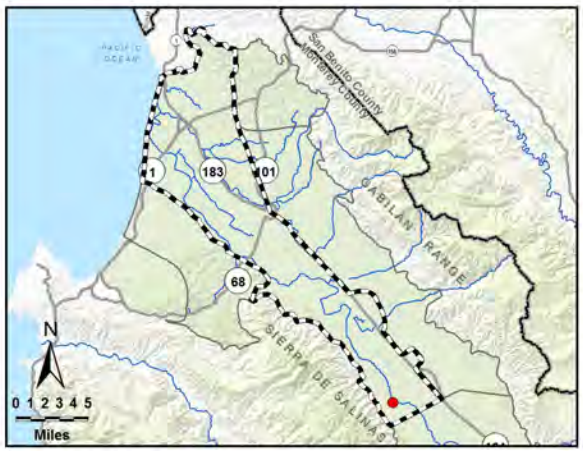


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

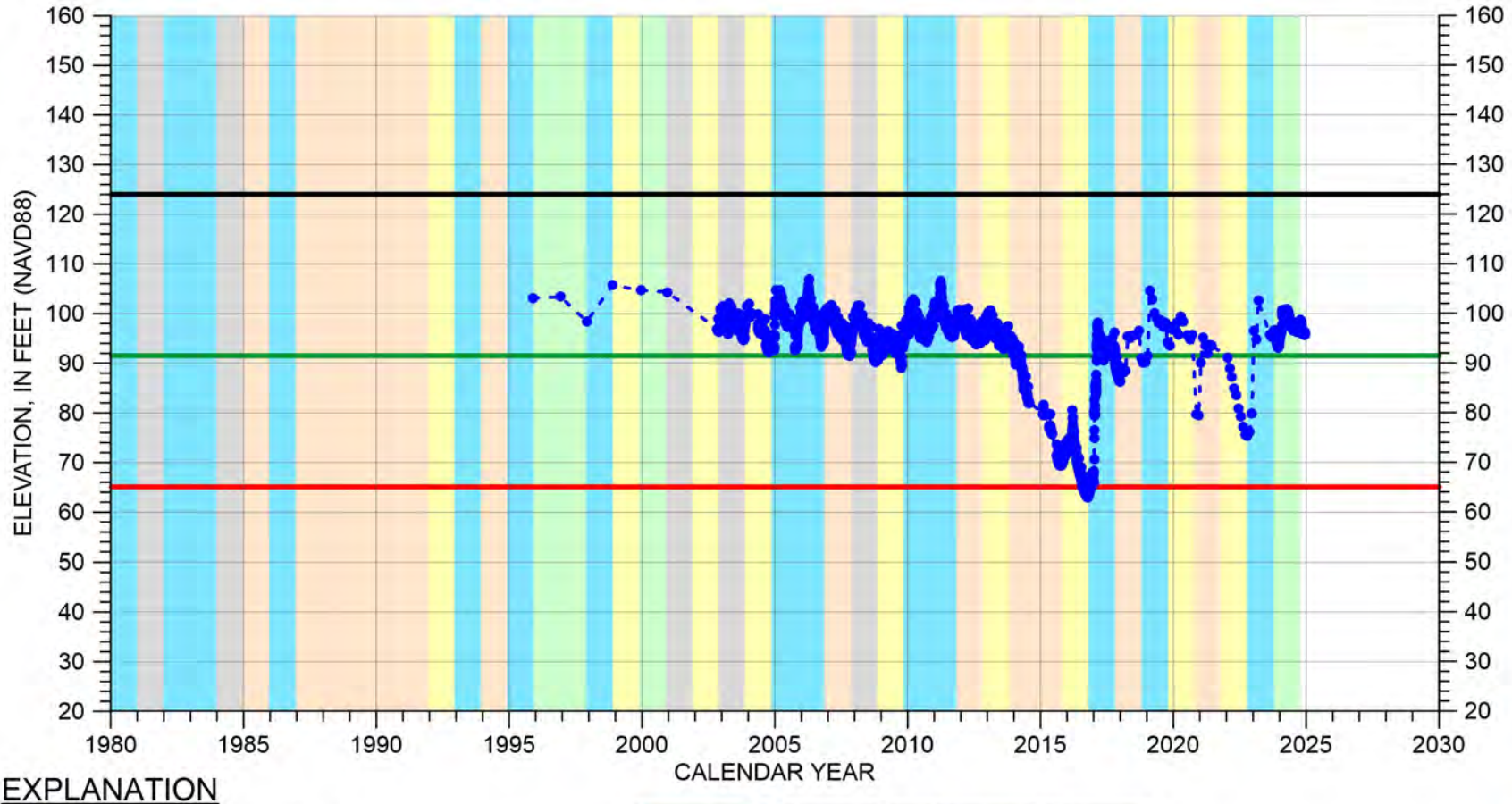
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\17S_04E-01D01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 17S/05E-06C02

180/400-Foot Aquifer Subbasin
(180-Foot Aquifer)

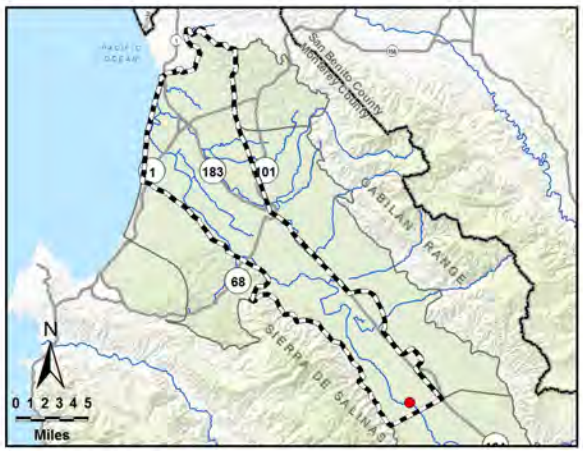


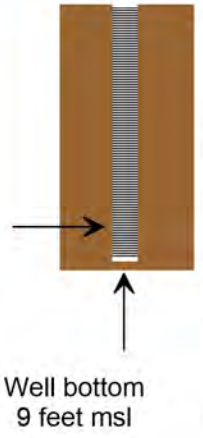
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



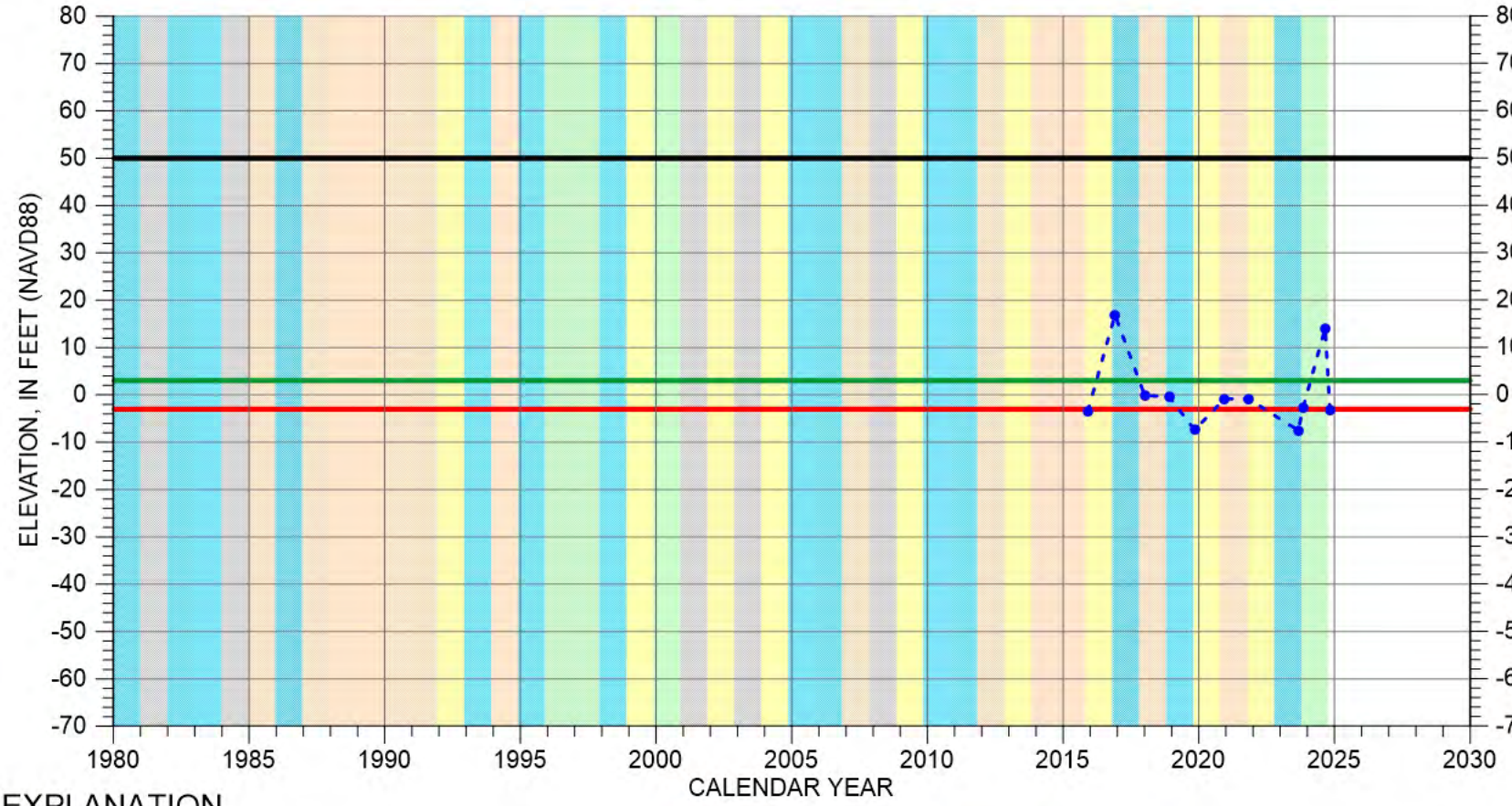


S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEWGRFs\17S_05E-06C02.grf

400-Foot Aquifer

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 12S/02E-33H02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

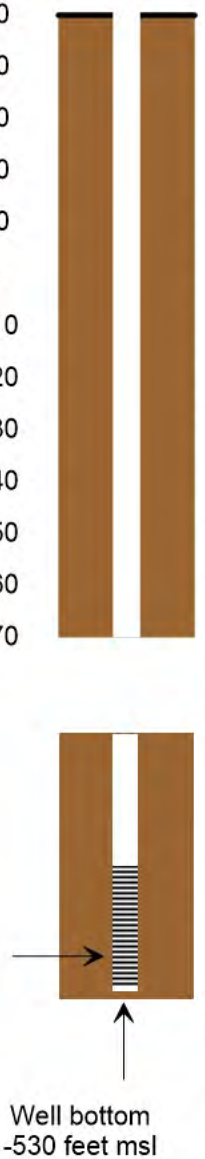


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

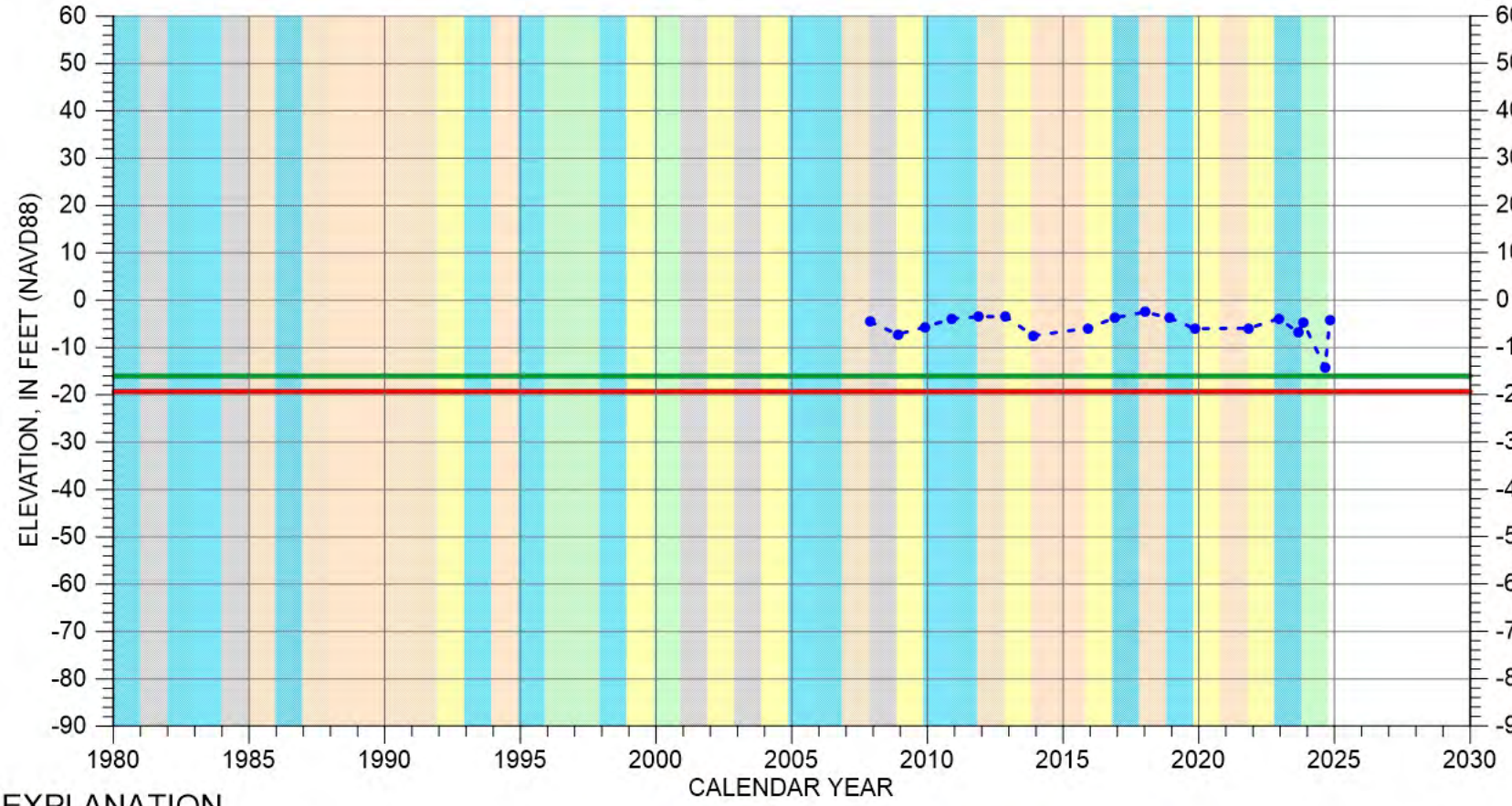
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\12S_02E-33H02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-10K01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

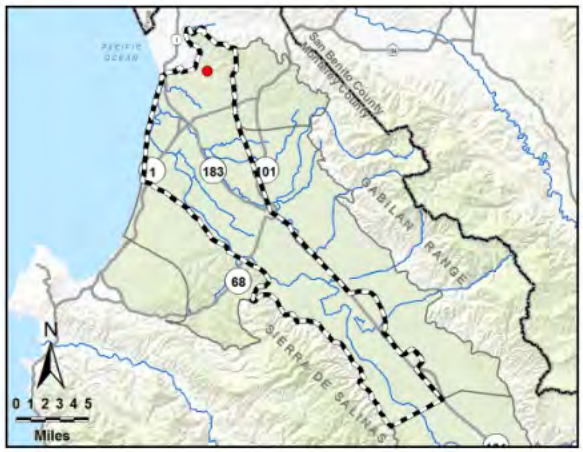


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (113 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



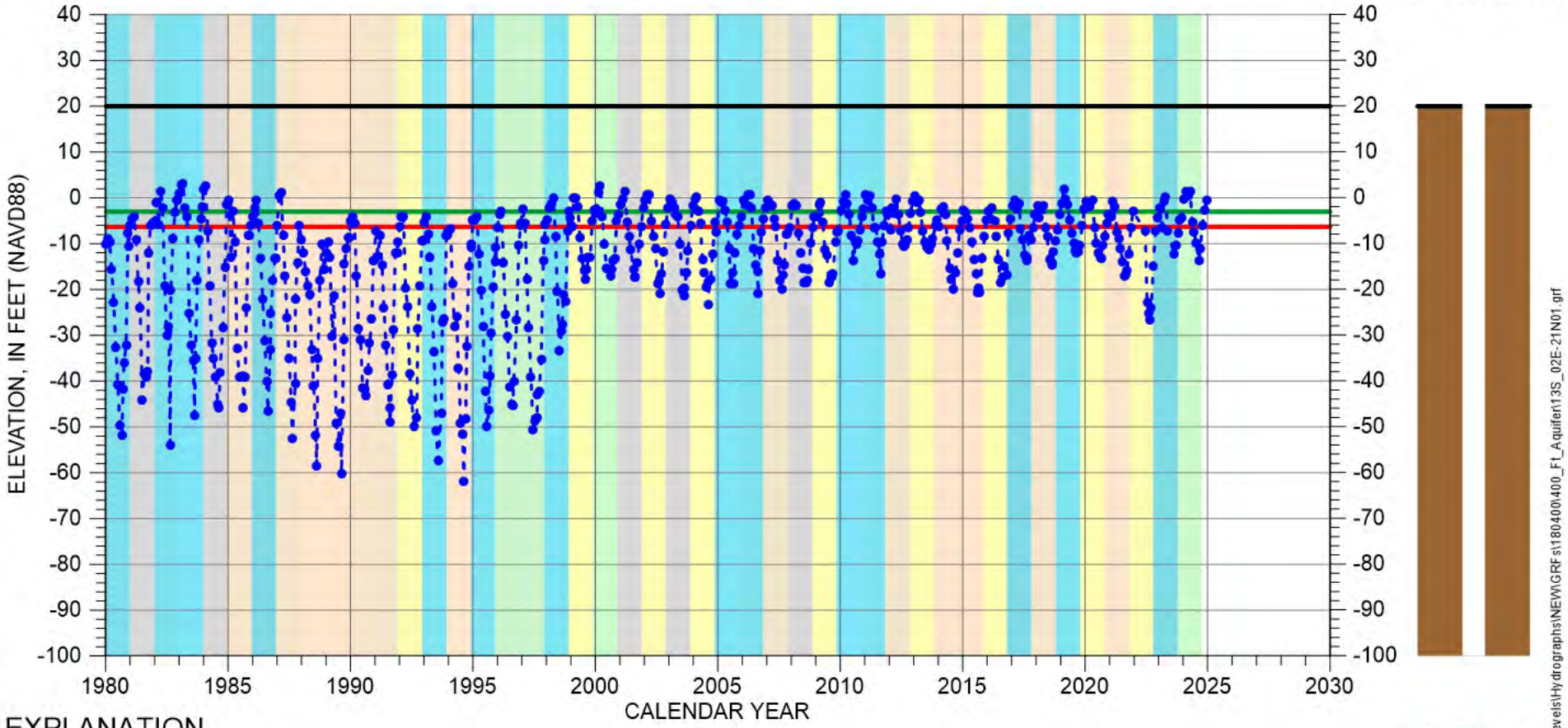
Perforated from
-267 to -547 feet msl

Well bottom
-567 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\13S_02E-10K01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-21N01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

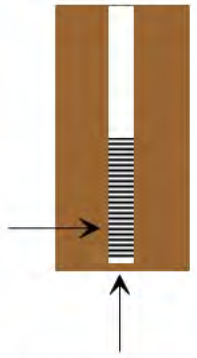


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

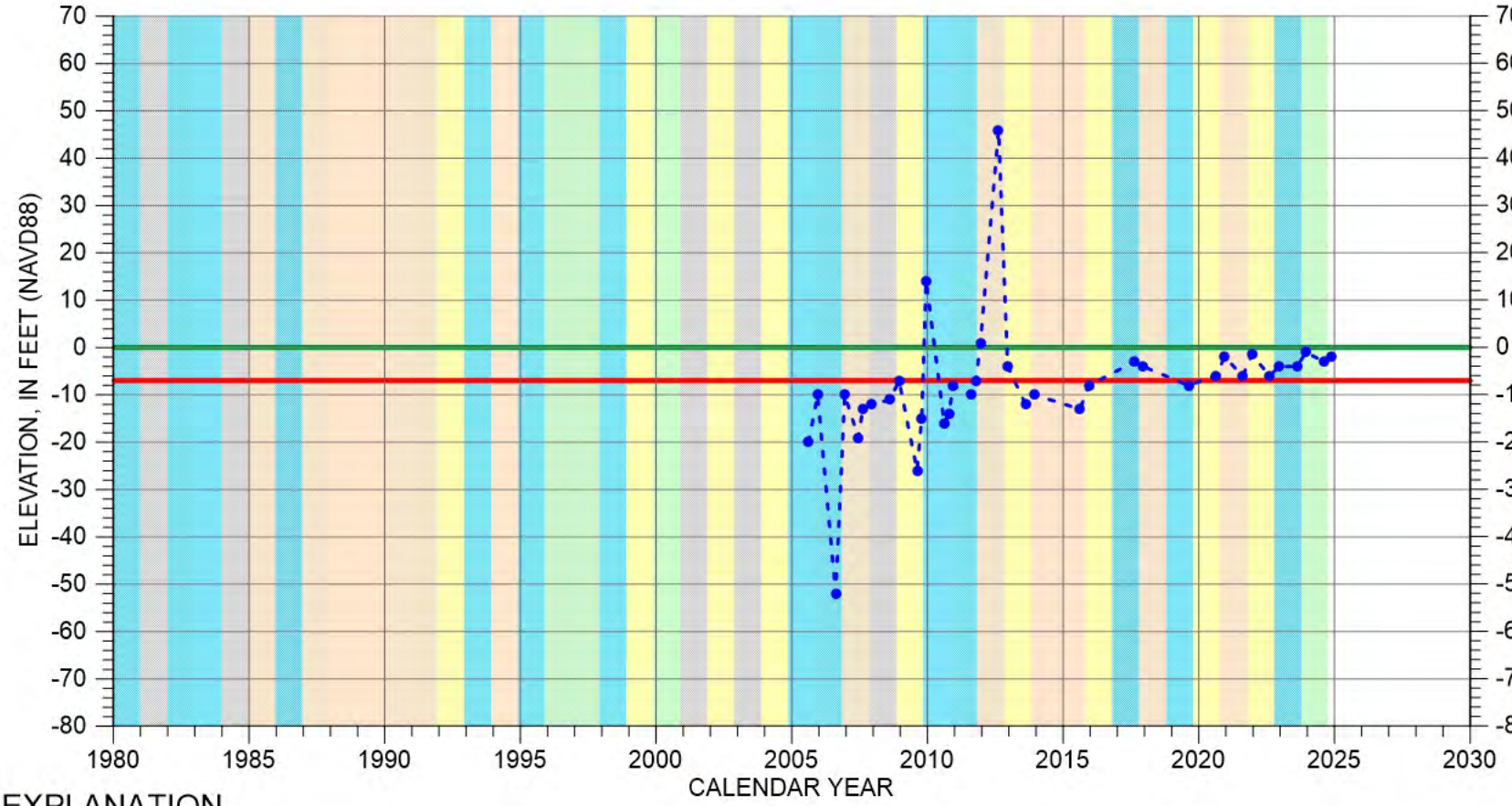
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\13S_02E-21N01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-24N01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

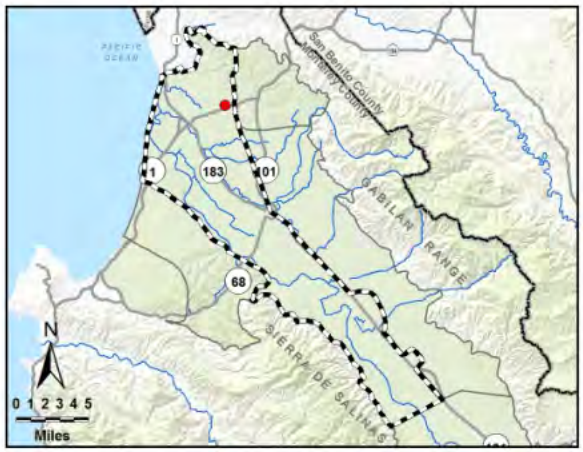


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (161 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



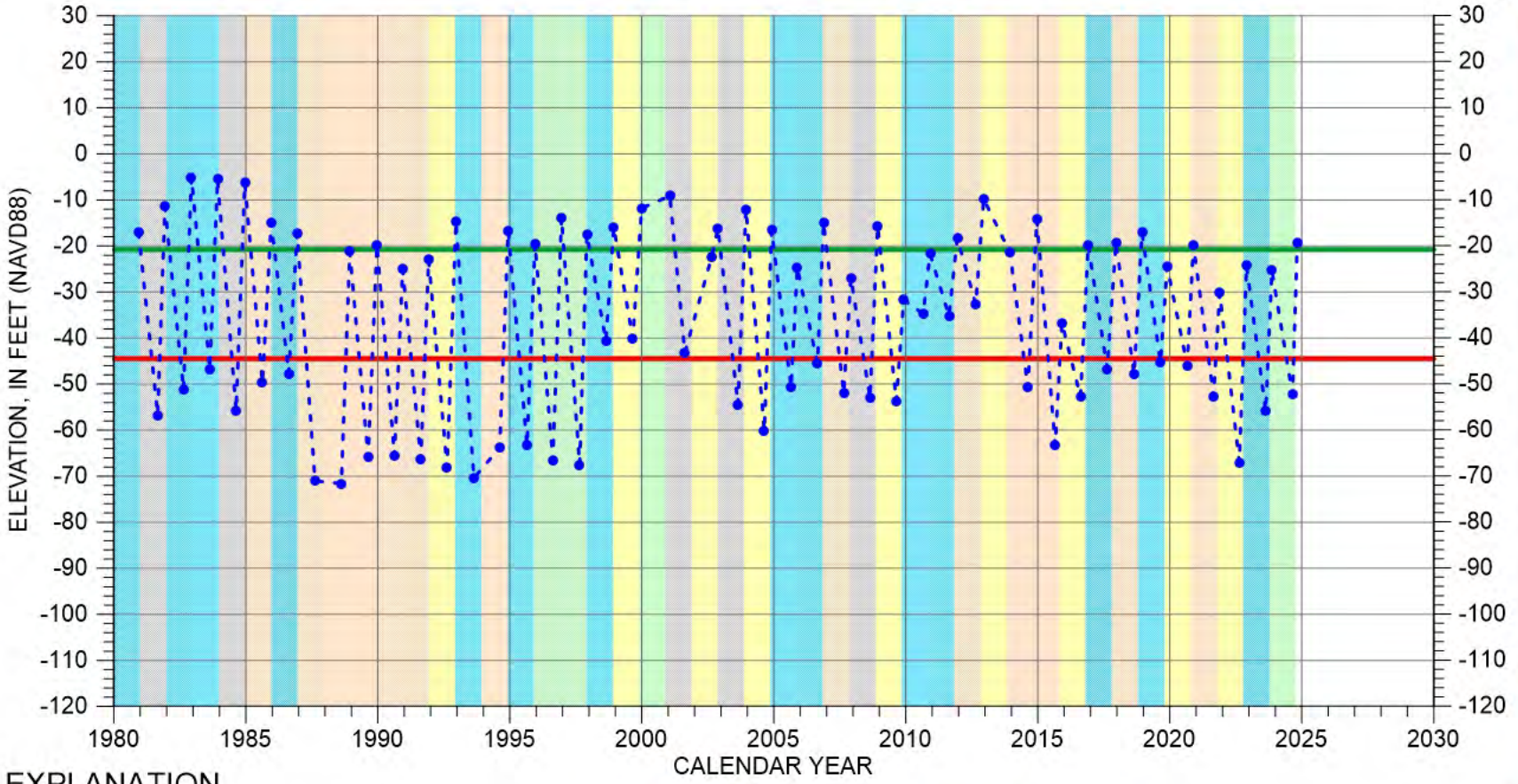
Perforated from
-139 to -439 feet msl

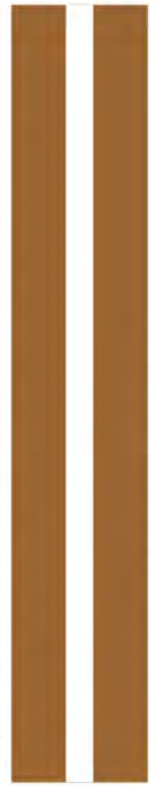
Well bottom
-439 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\13S_02E-24N01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-27P01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)





EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (59 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

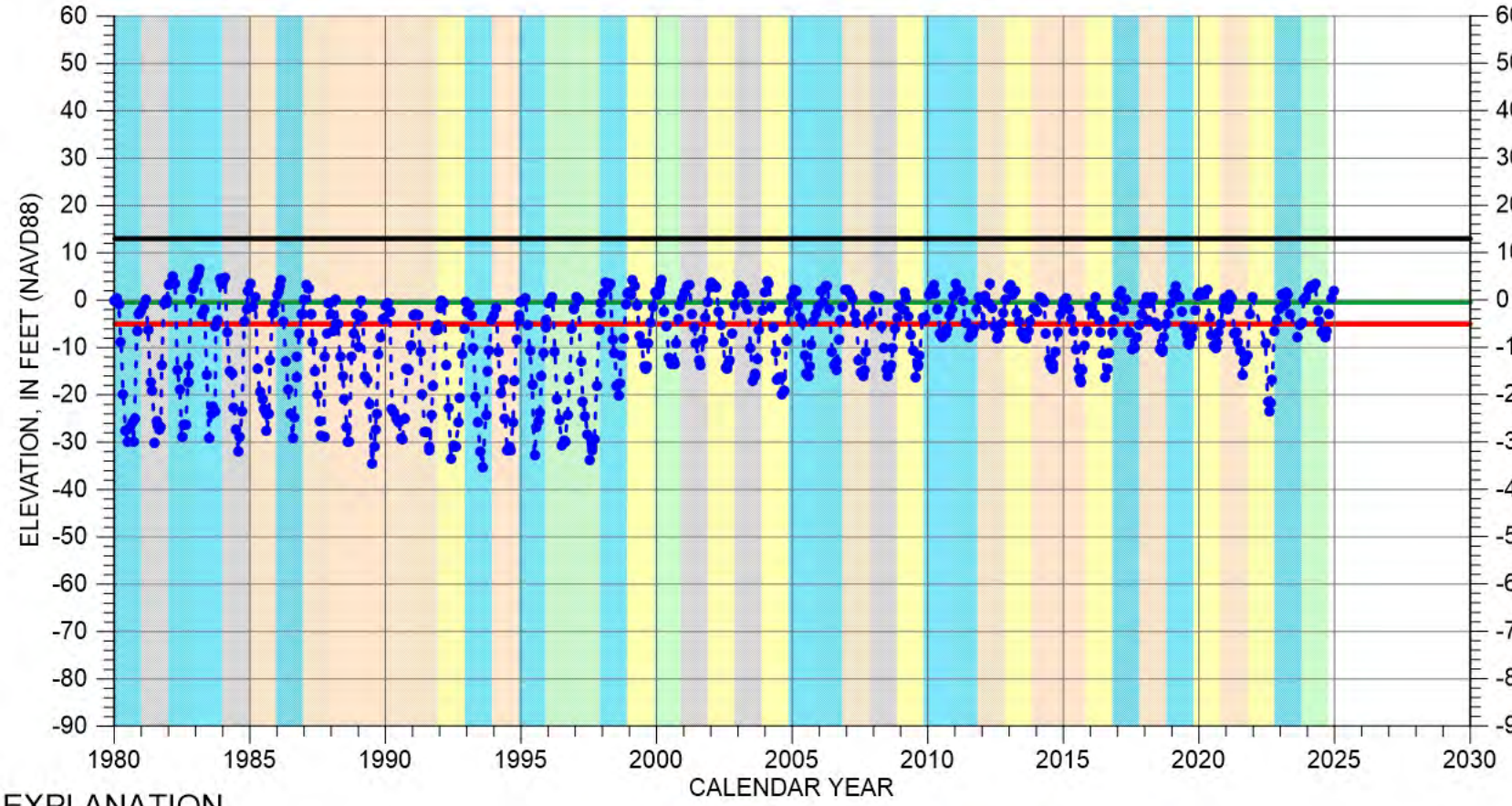
Perforated from
-353 to -513 feet msl

Well bottom
-547 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\13S_02E-27P01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-31N02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

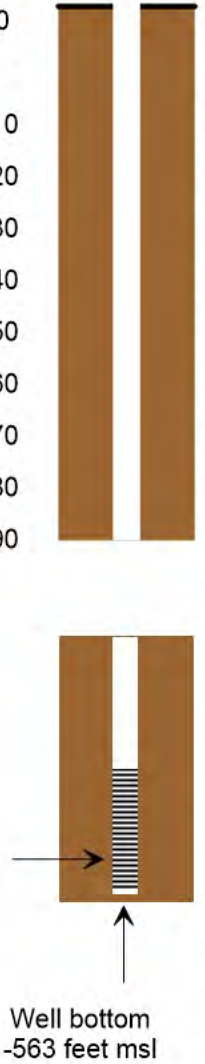


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

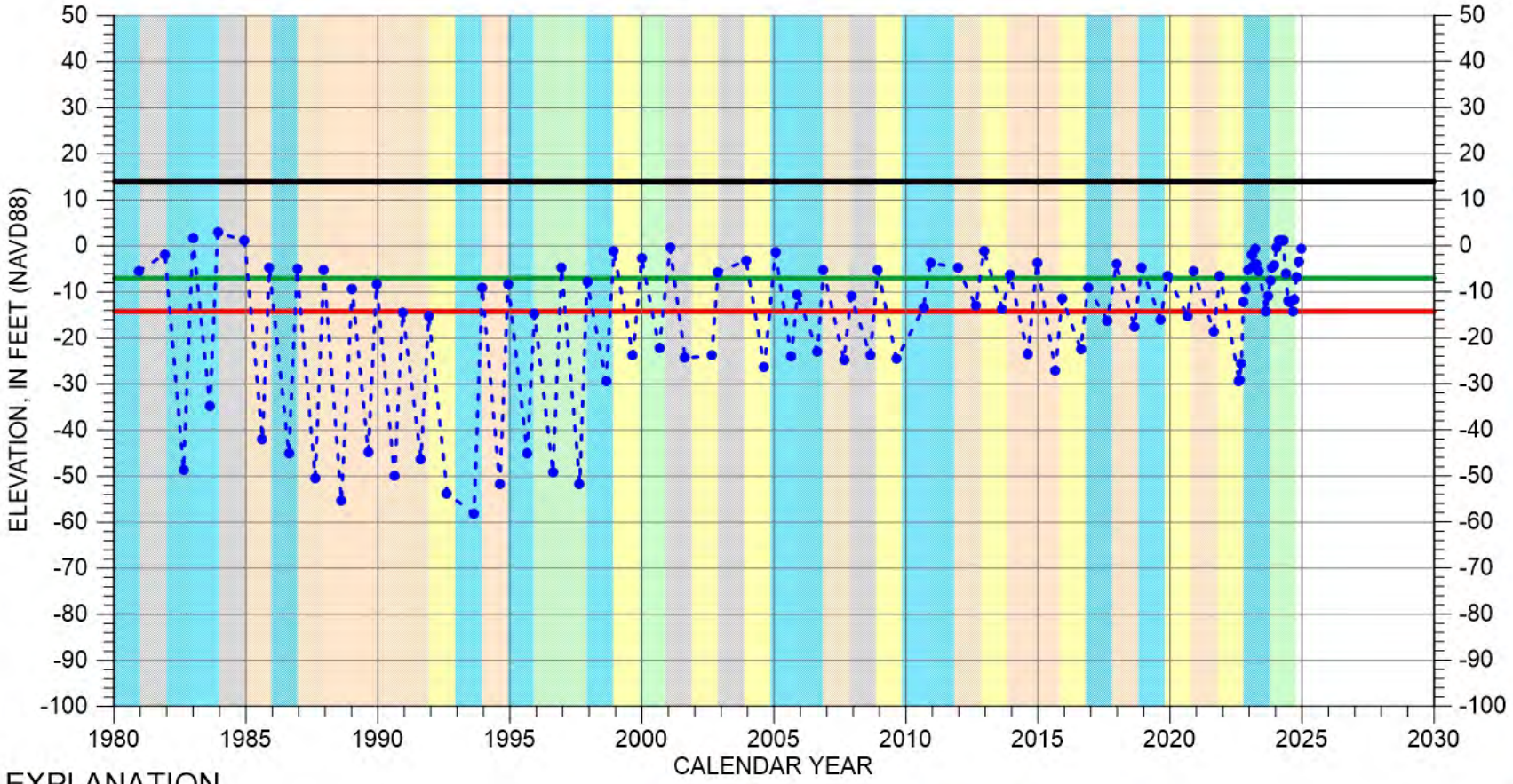
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_FT_Aquifer\13S_02E-31N02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-32J03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

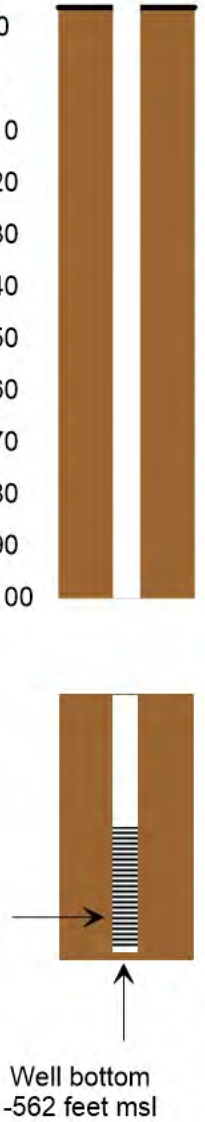


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

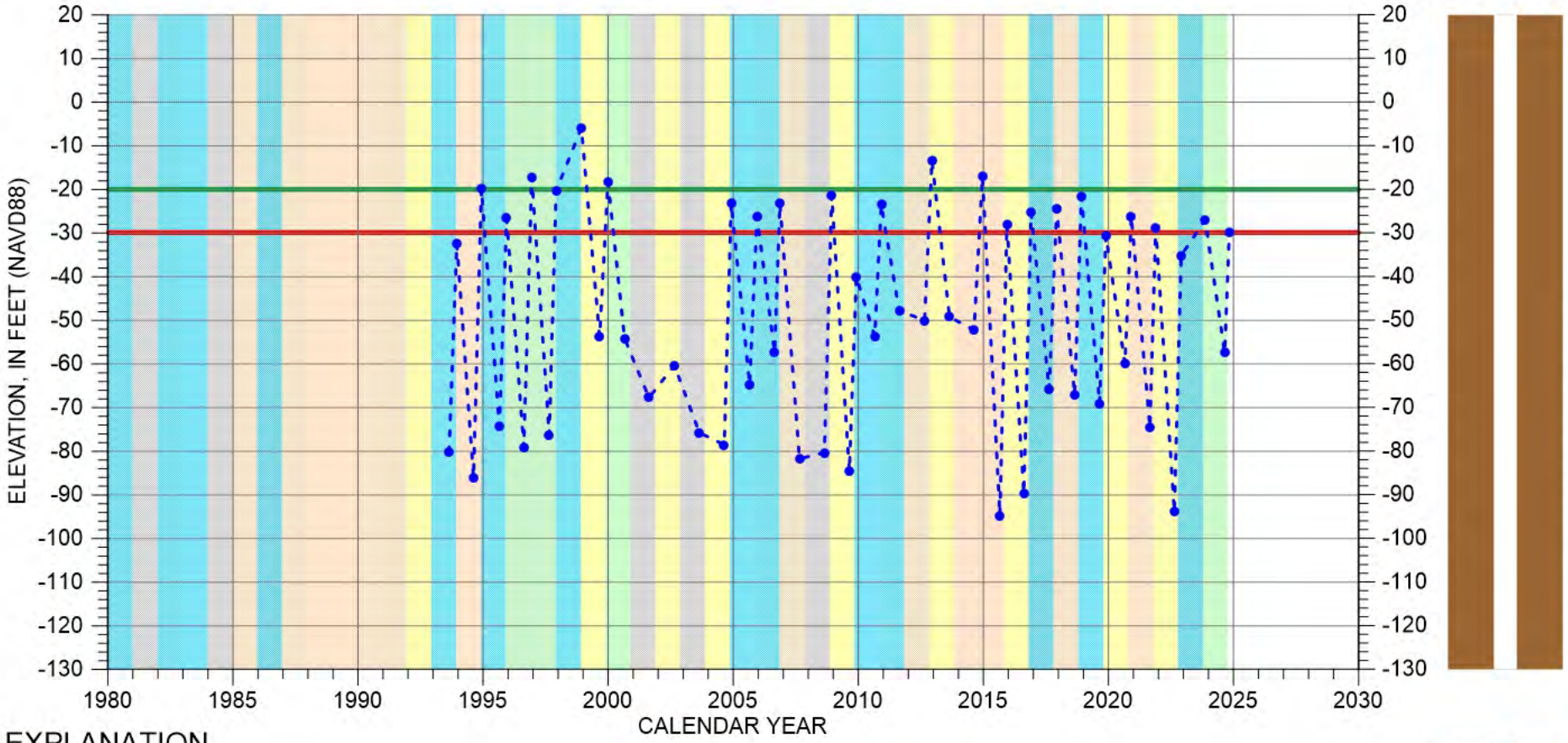
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\13S_02E-32J03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-02C03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

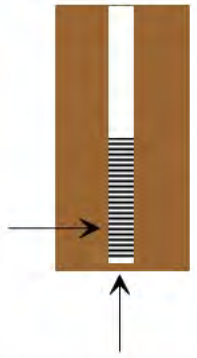


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (62 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

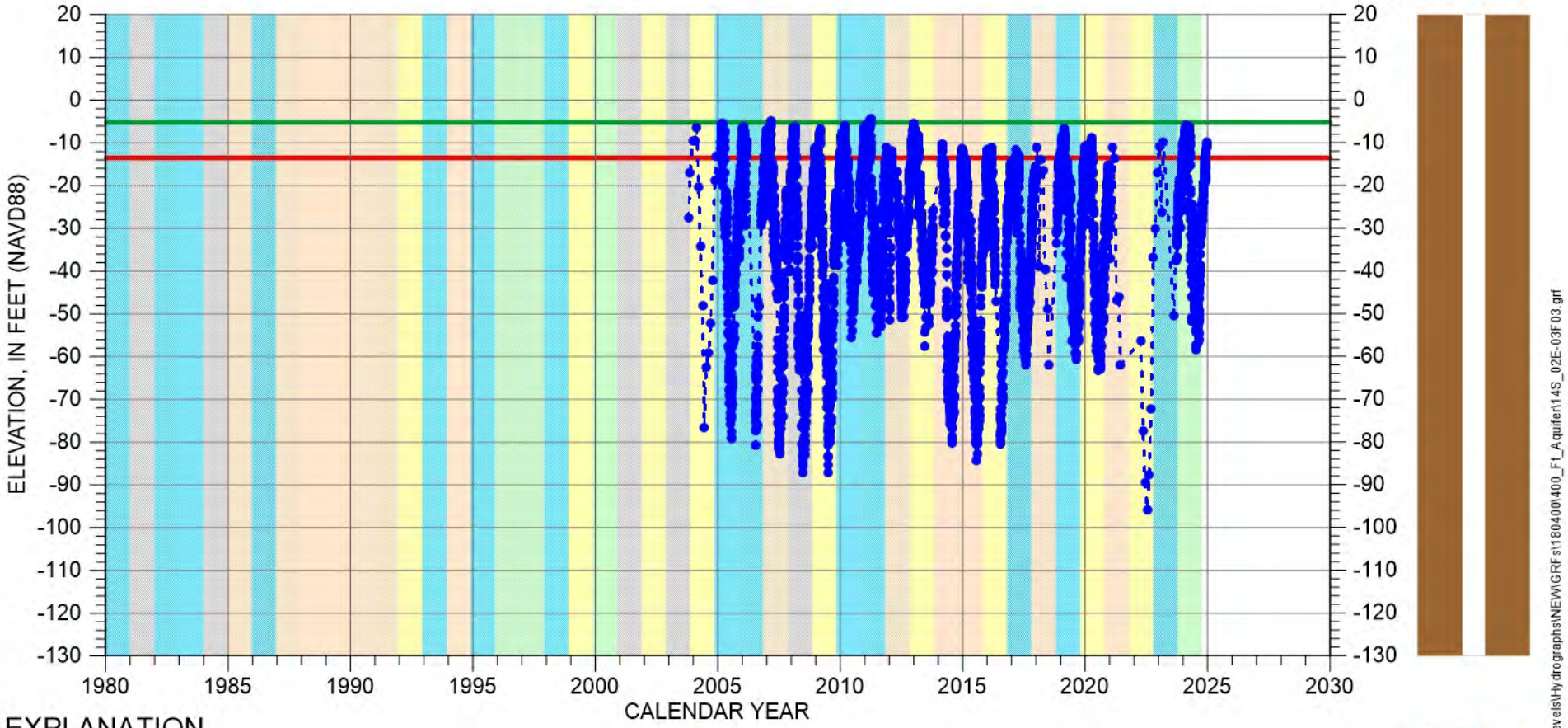
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-02C03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-03F03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



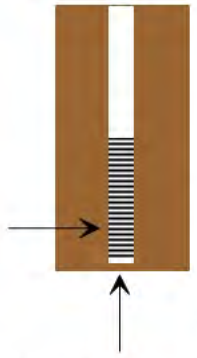
EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (22 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

Perforated from
-398 to -428 feet msl

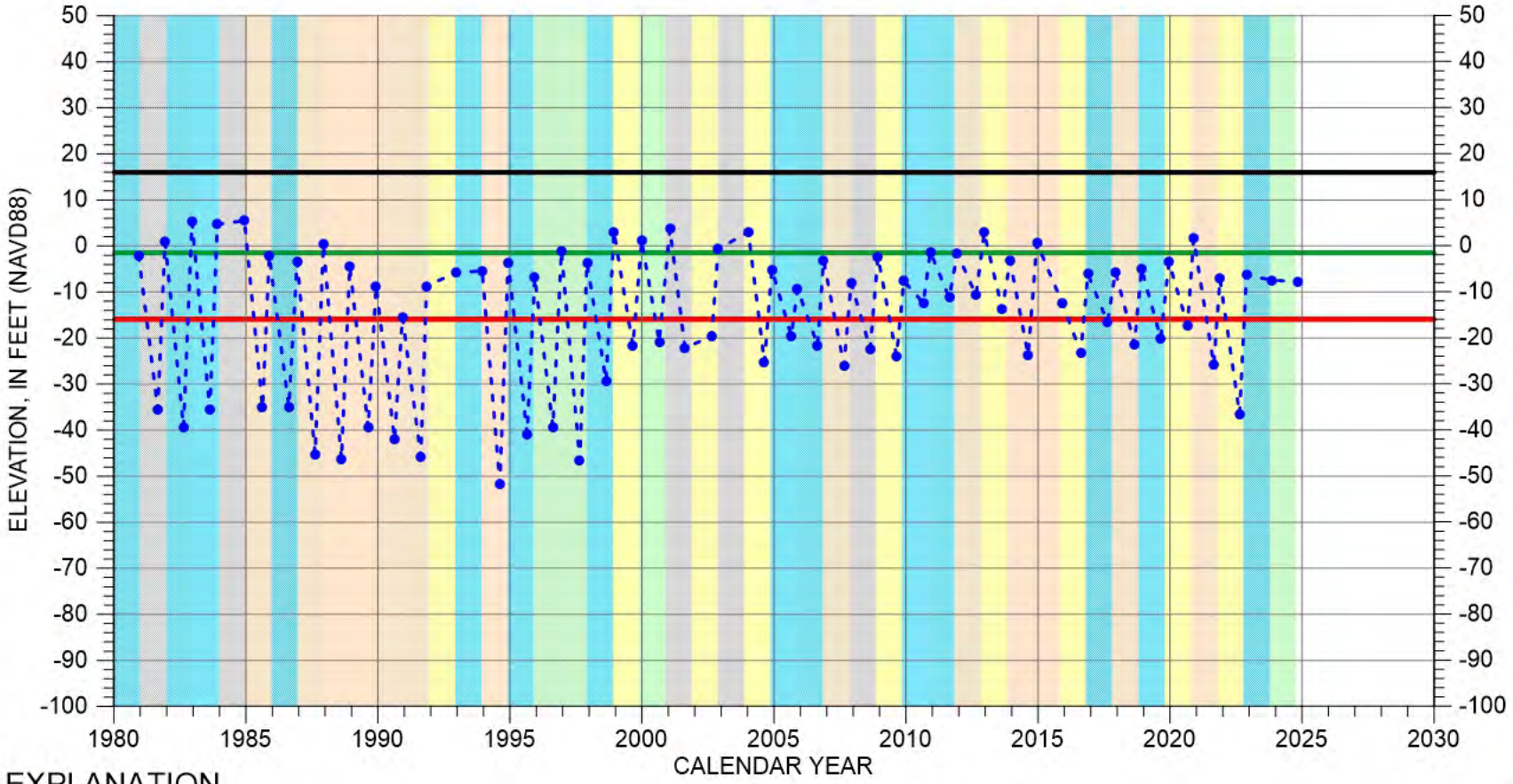


Well bottom
-433 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-03F03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-05K01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

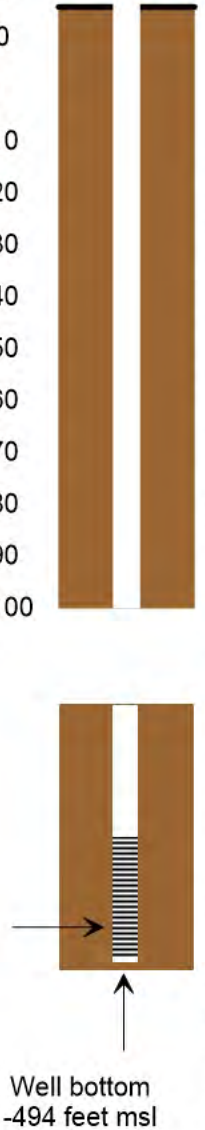


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

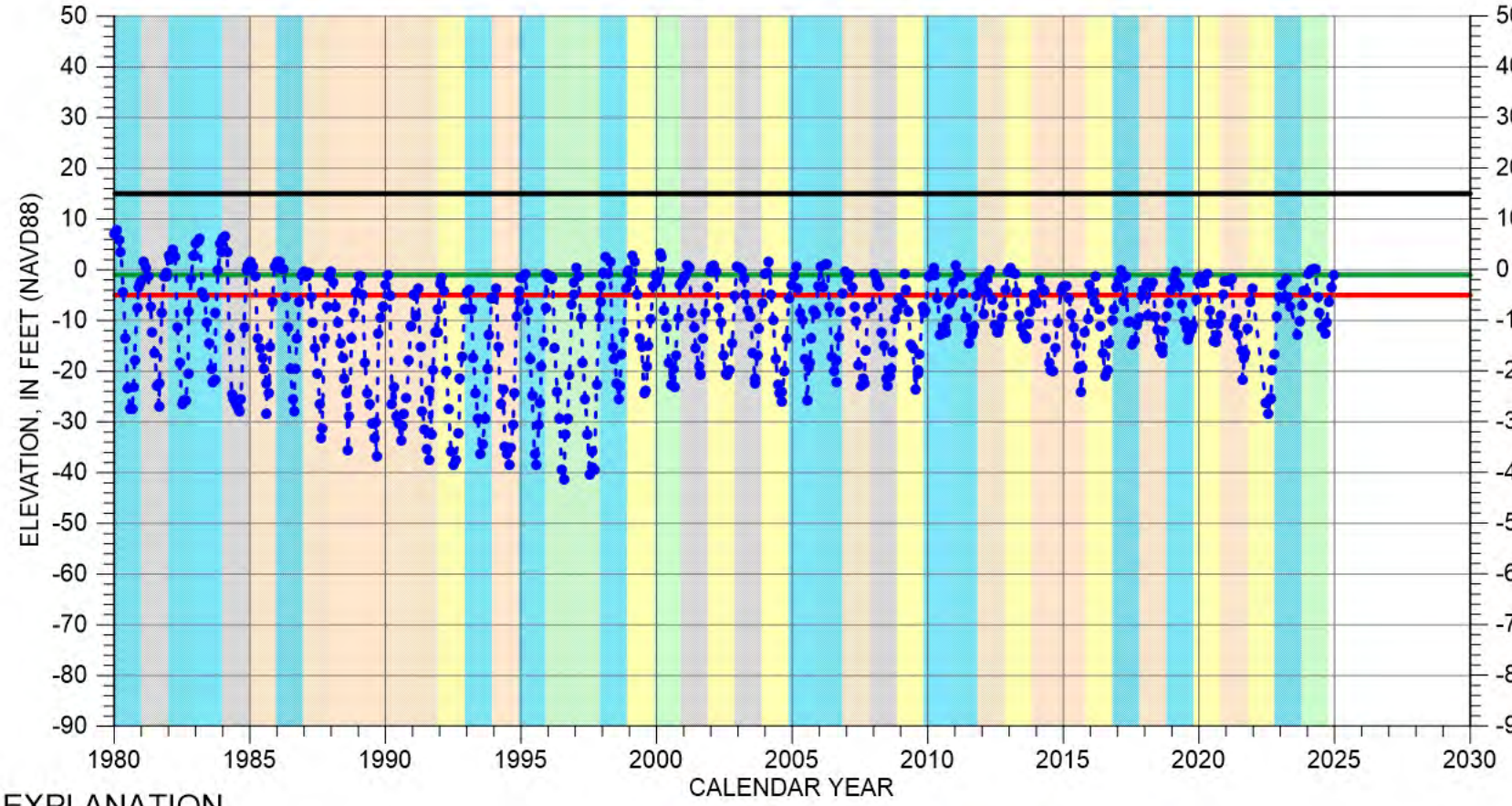
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-05K01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-08M02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

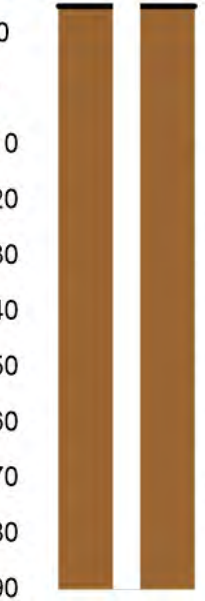


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



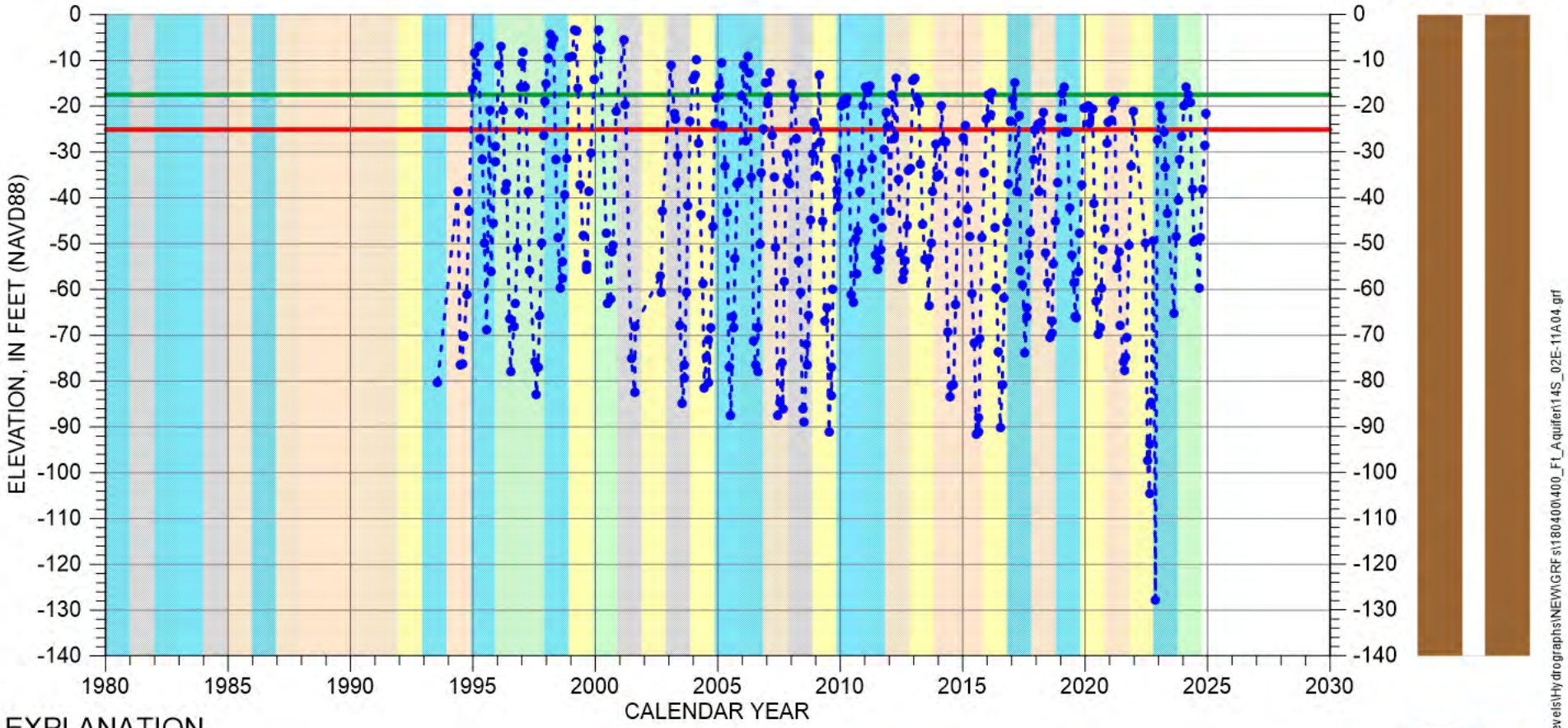
Perforated from
-300 to -442 feet msl

Well bottom
-486 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-08M02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-11A04

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

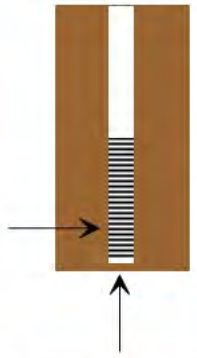


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (60 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

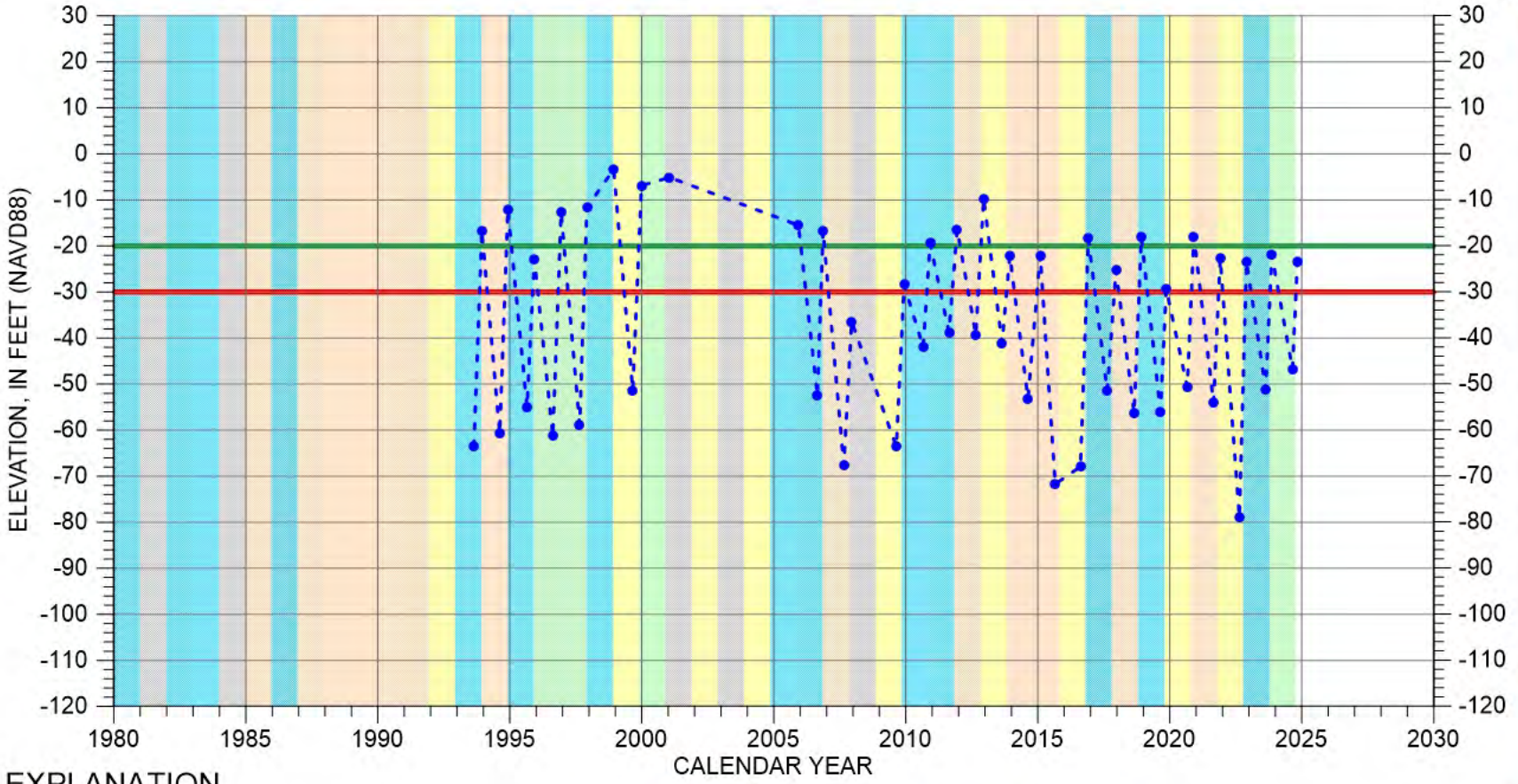
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-11A04.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-11M03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (43 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

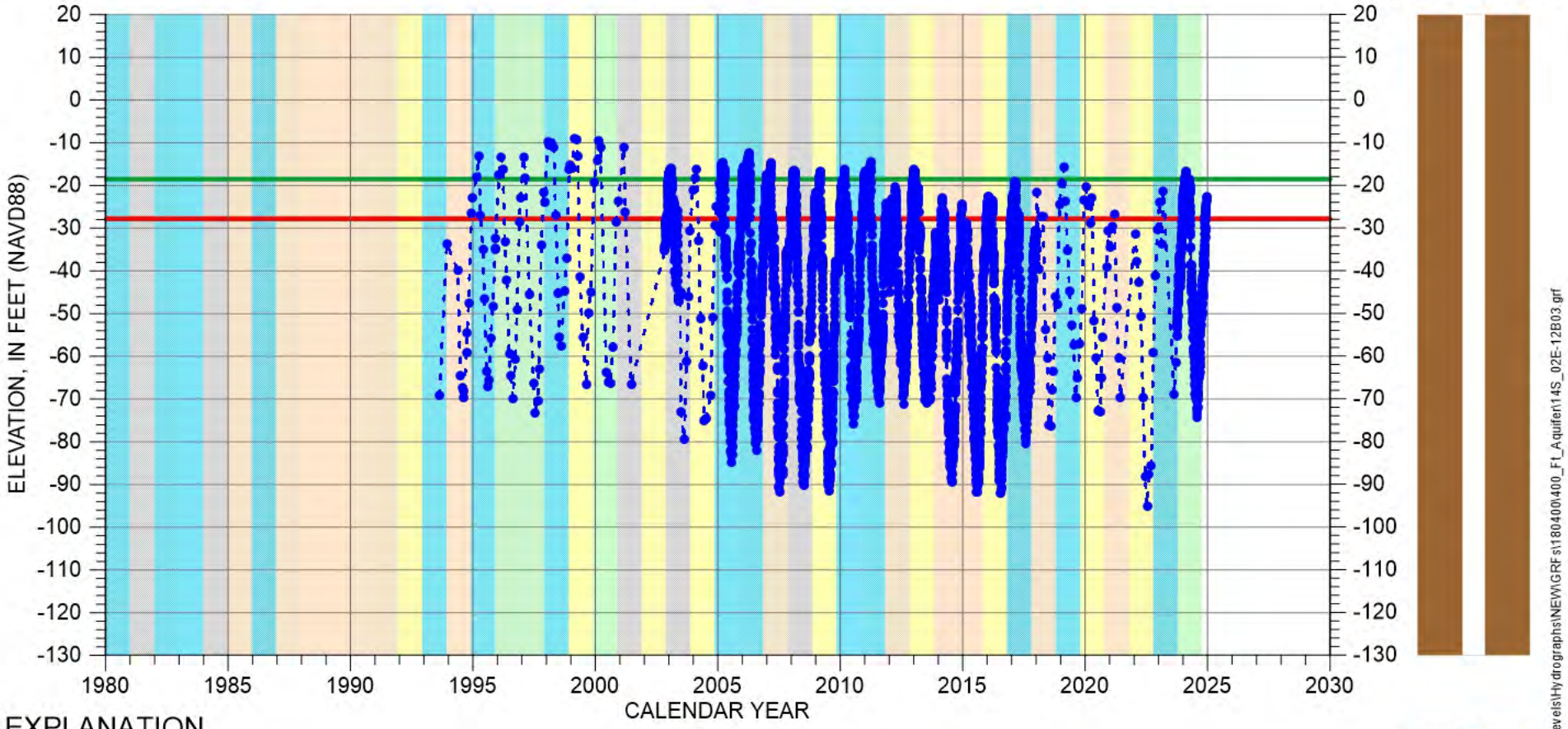
Perforated from
-358 to -618 feet msl

Well bottom
-618 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\14S_02E-11M03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-12B03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

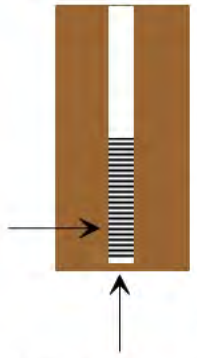


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (51 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

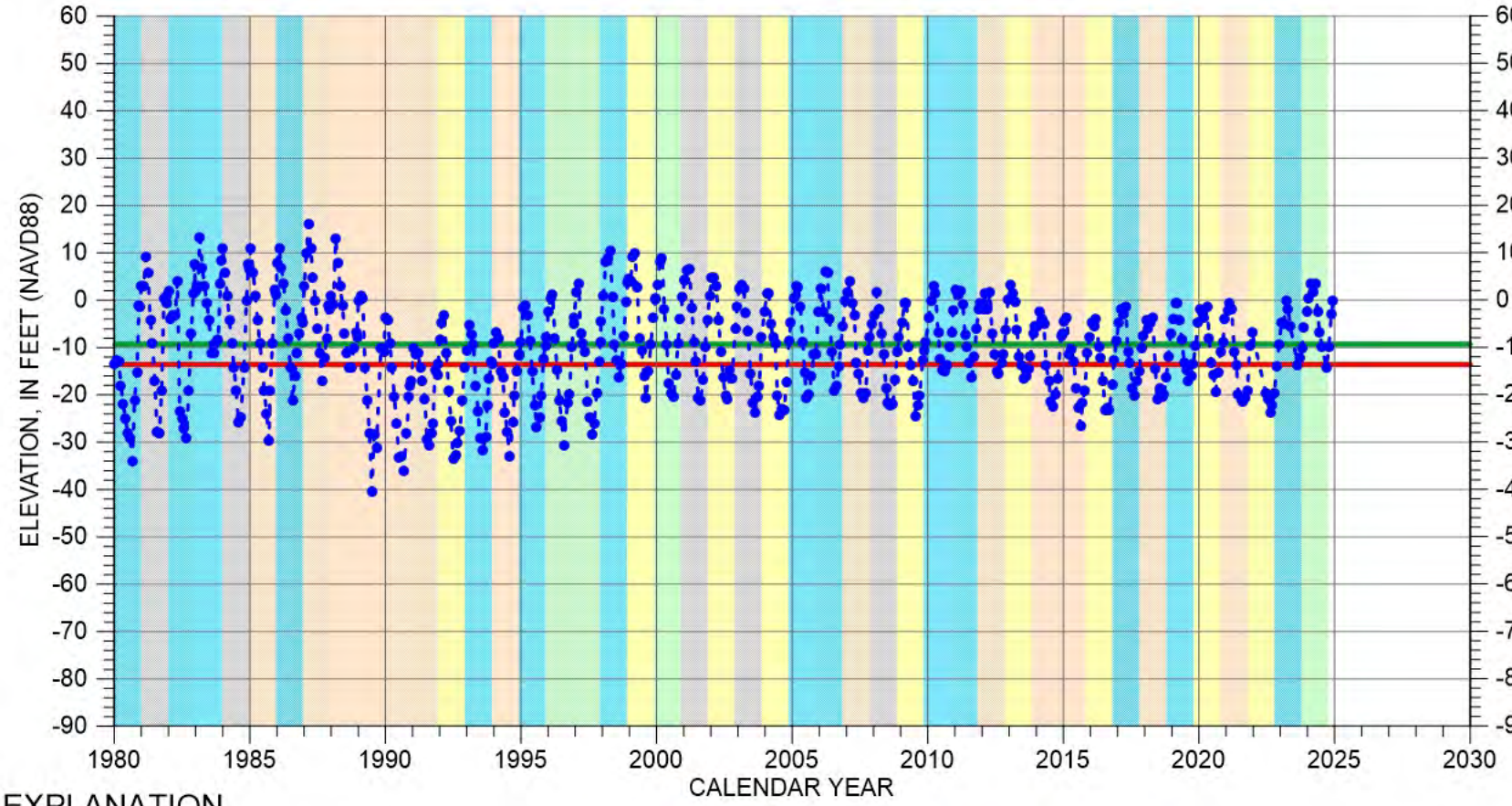
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-12B03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-12Q01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

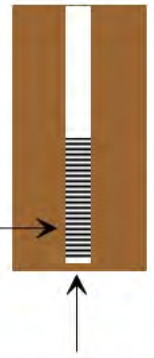


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (67 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



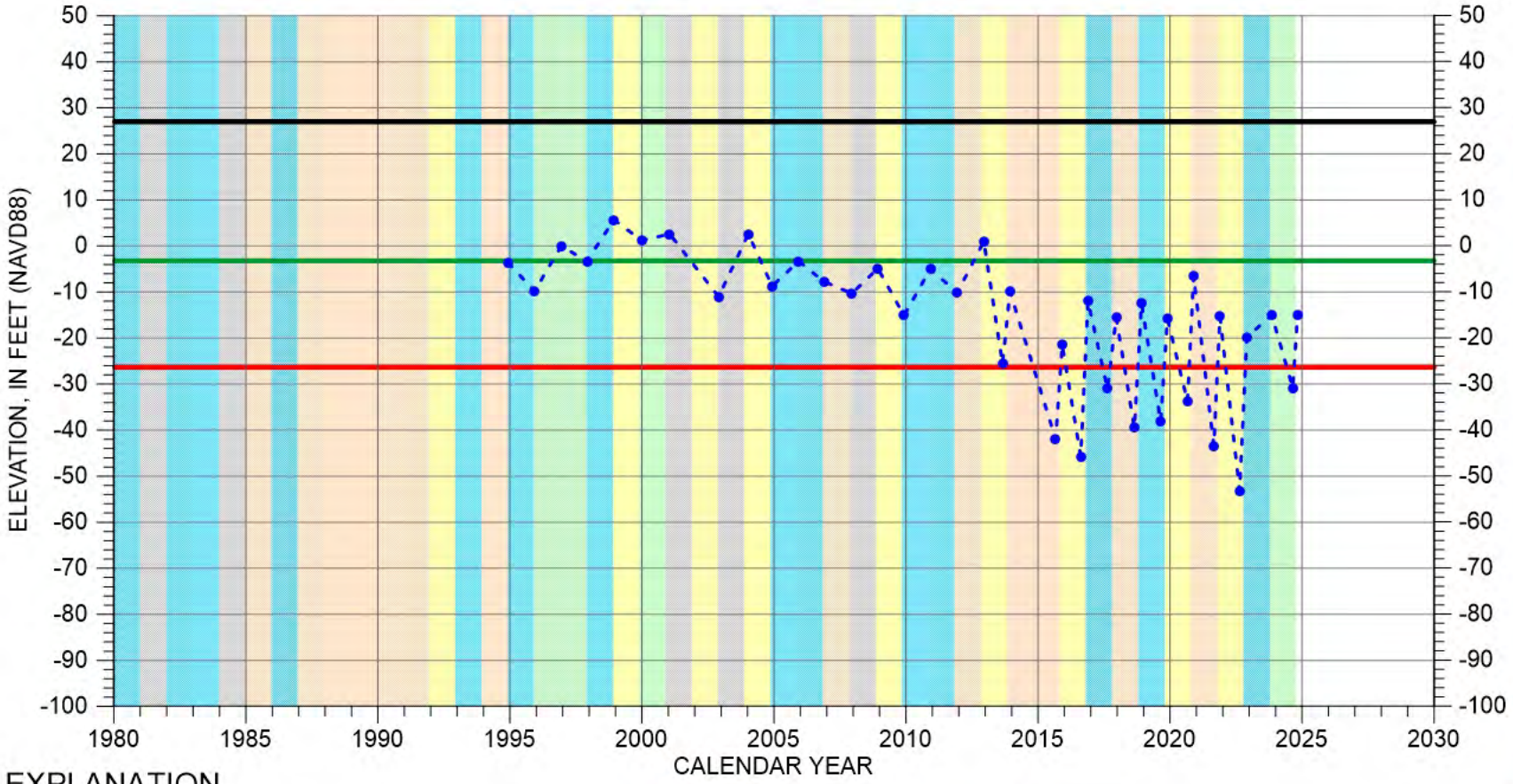
Perforated from
-206 to -225 feet msl

Well bottom
-225 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-12Q01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-15K01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

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

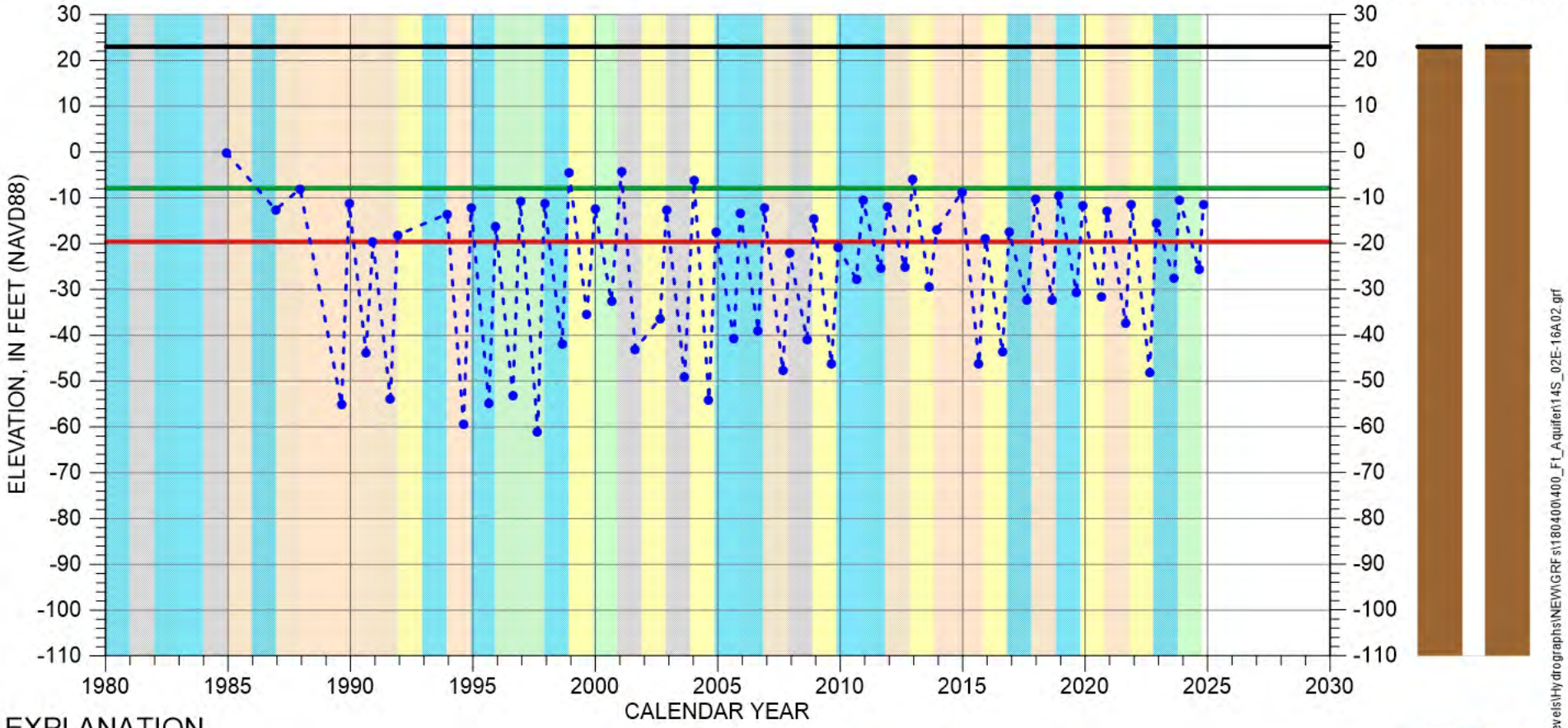
WATER YEAR TYPE DESIGNATION

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

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-15K01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-16A02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

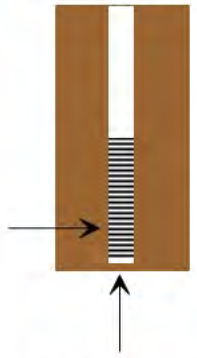


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

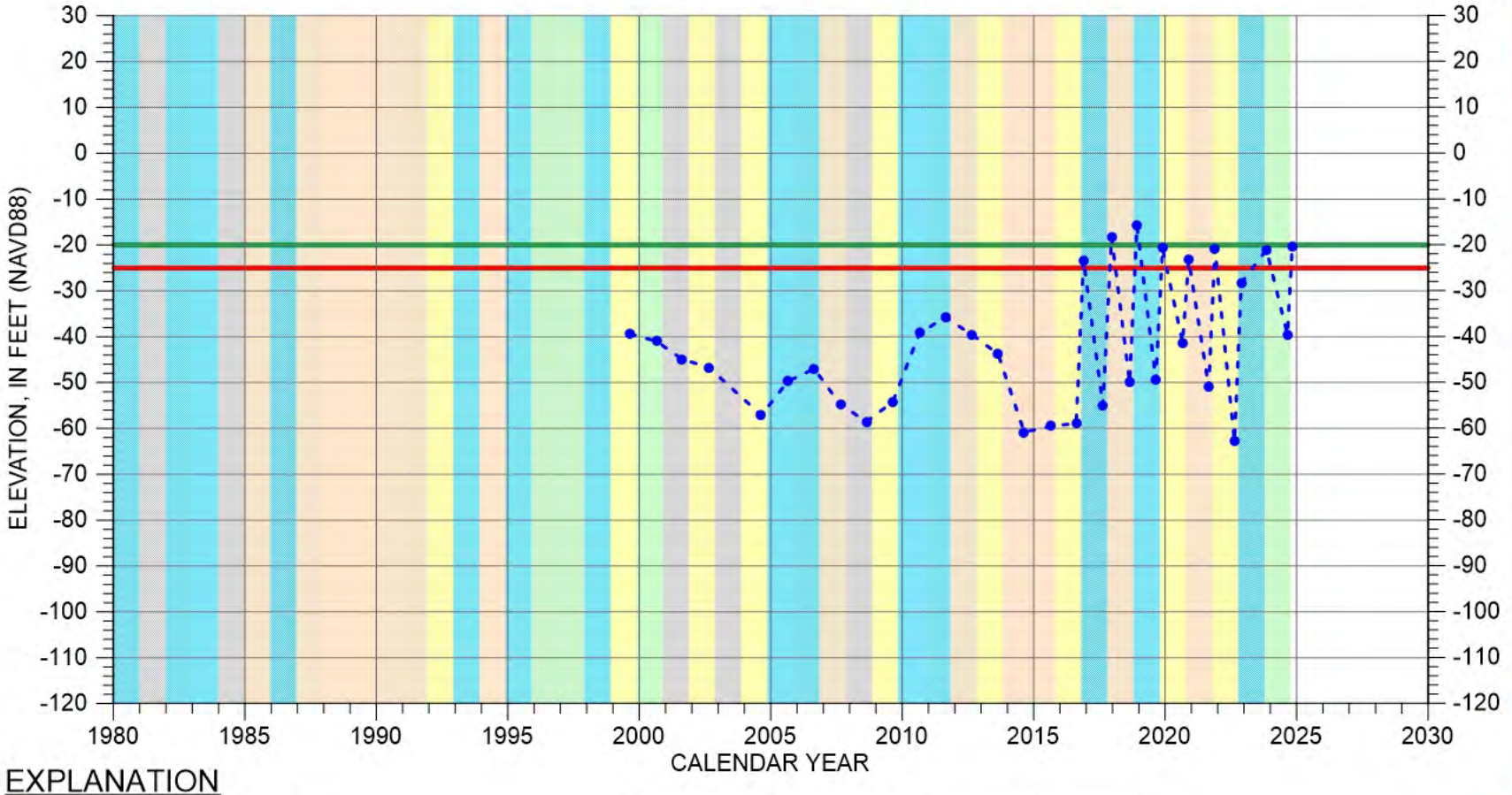
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-16A02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-23A02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

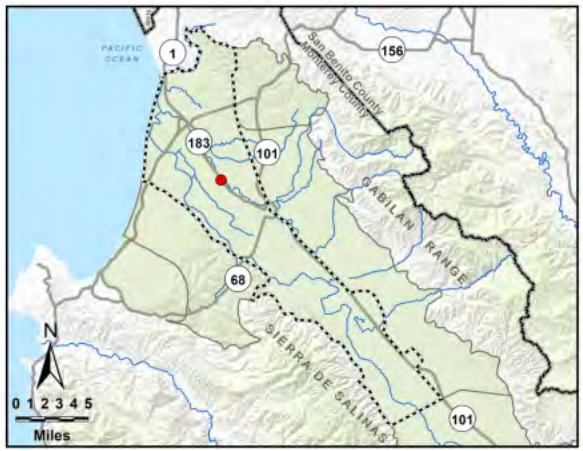


EXPLANATION

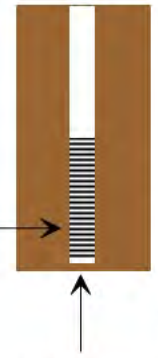
- Groundwater Elevation
- Suspect Measurement
- Land Surface (33 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



Multiple perforated intervals from -485 to -539 feet msl

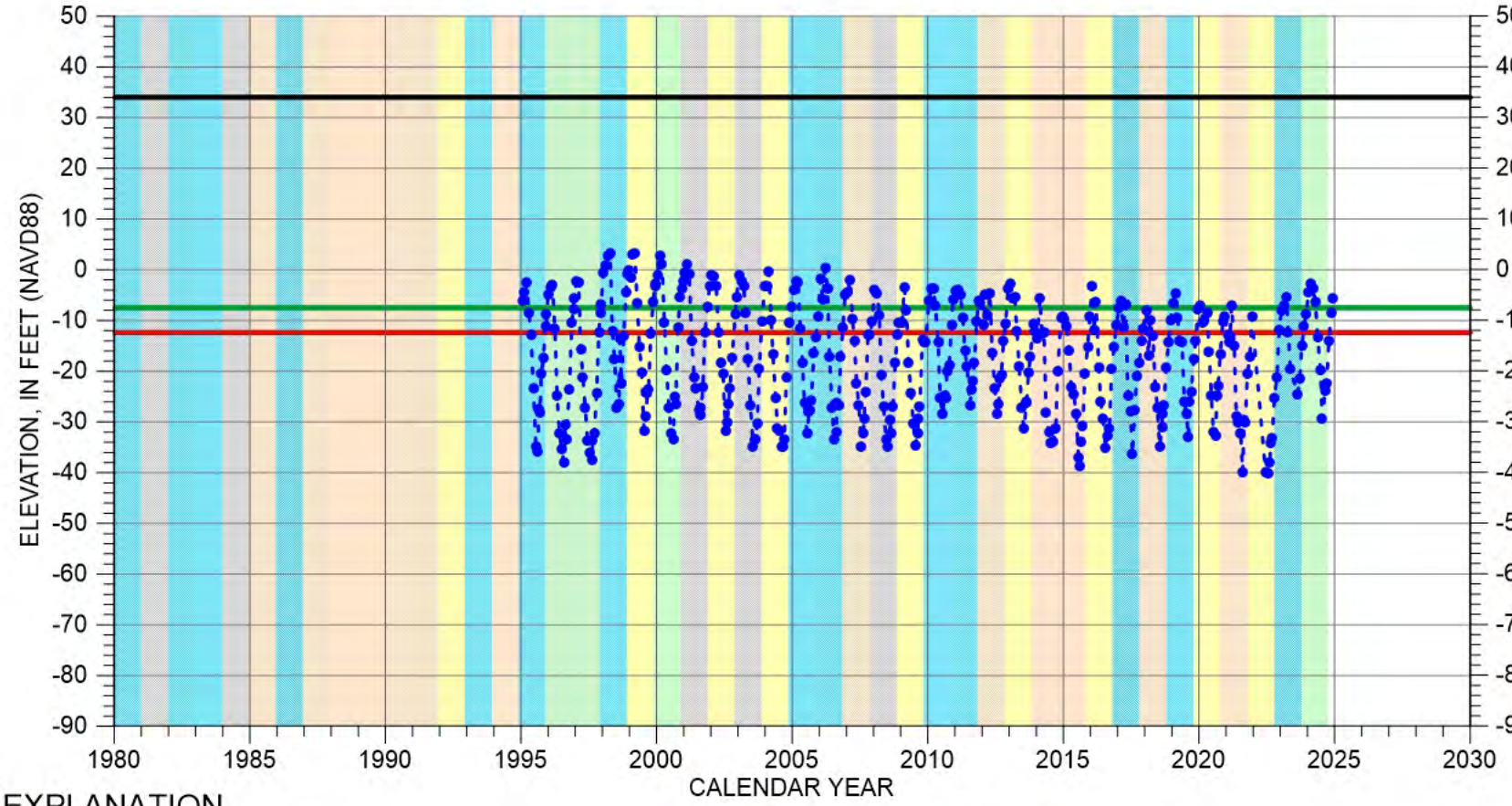


Well bottom -669 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-23A02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-34A03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

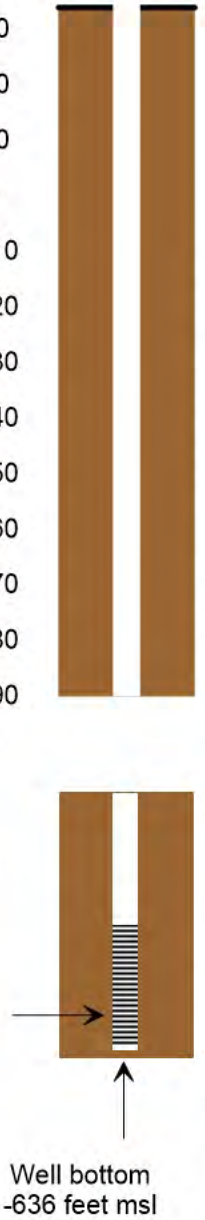


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

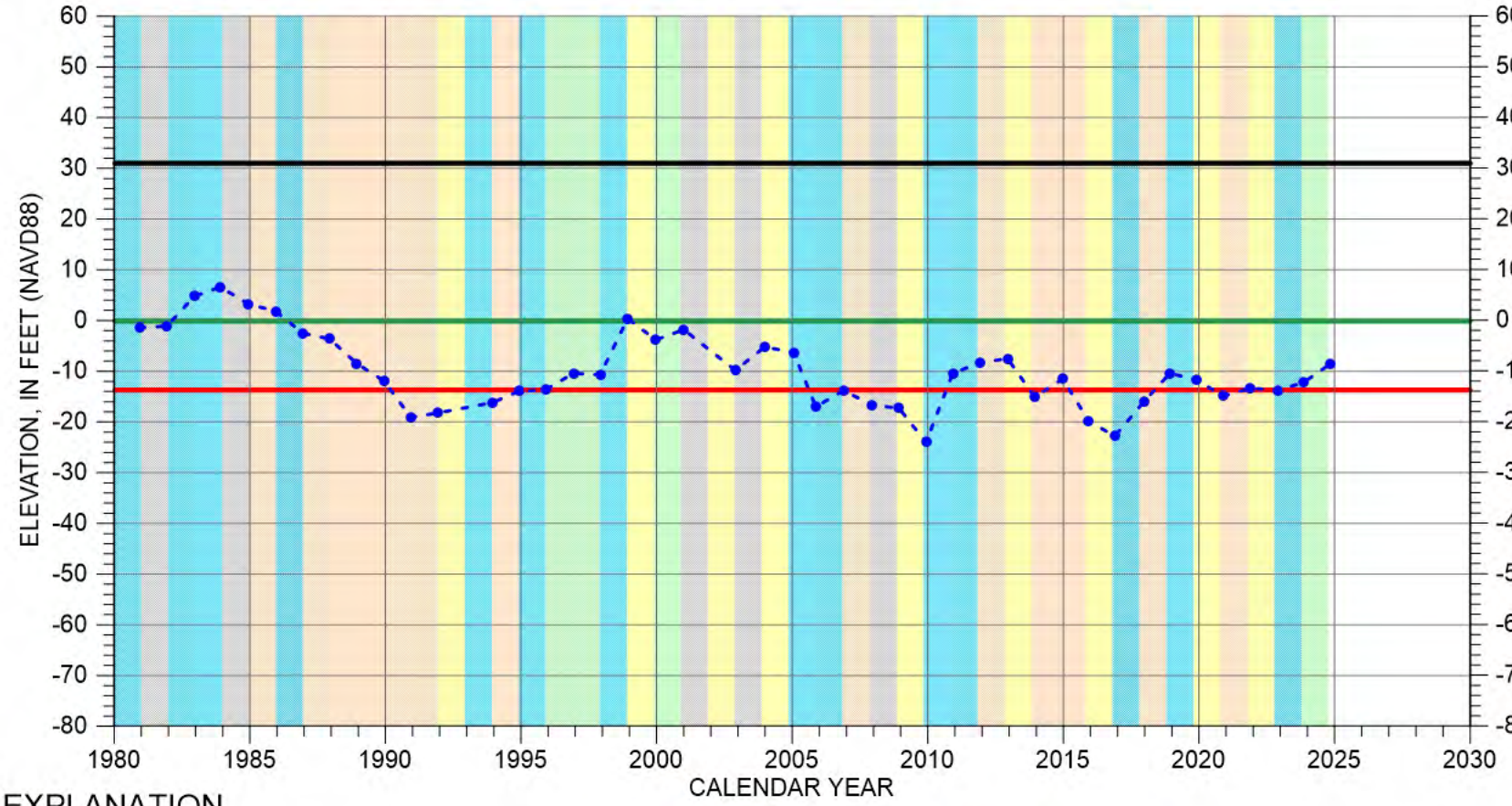
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_02E-34A03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-36G01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

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

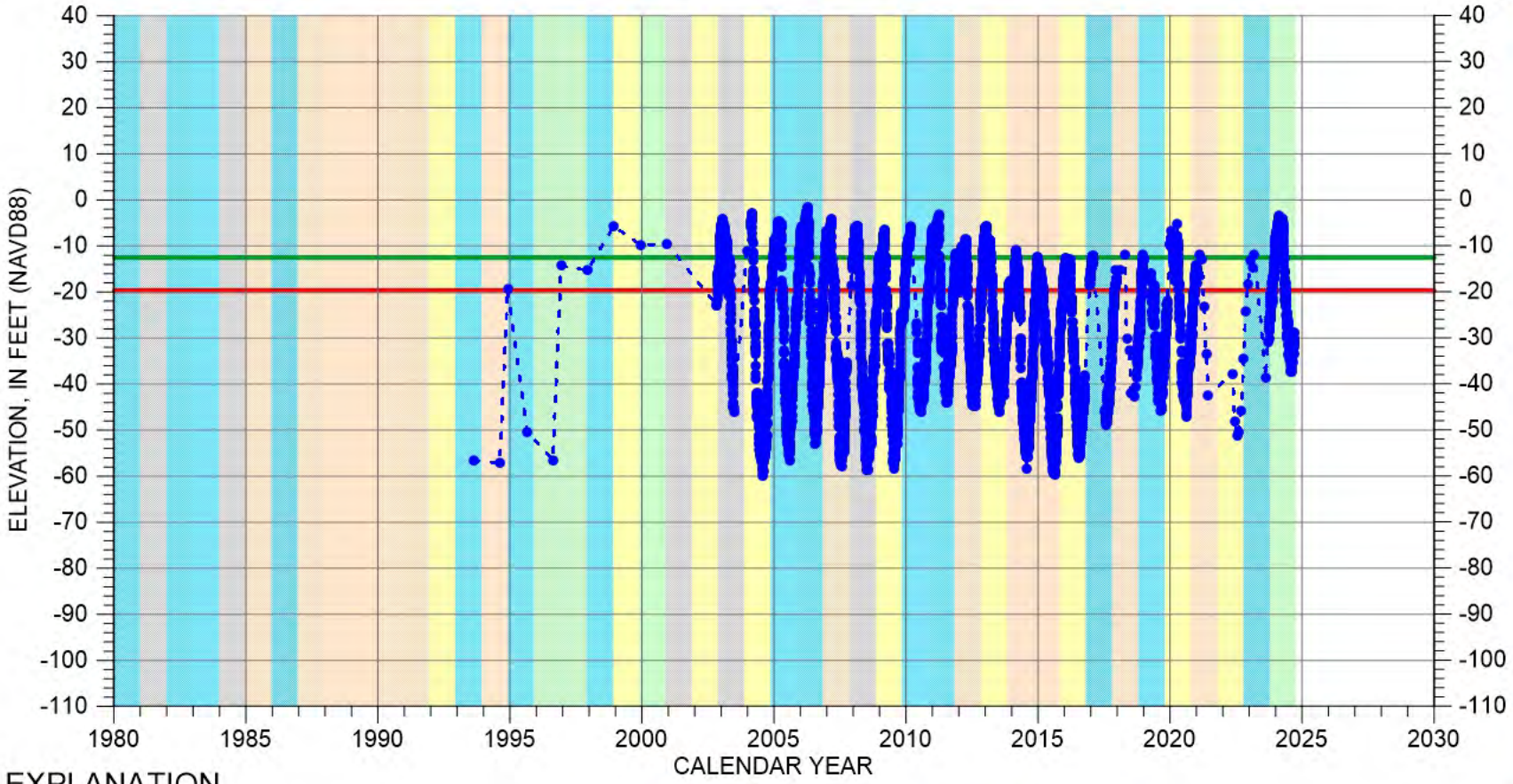
WATER YEAR TYPE DESIGNATION

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

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\14S_02E-36G01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-18C02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (54 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

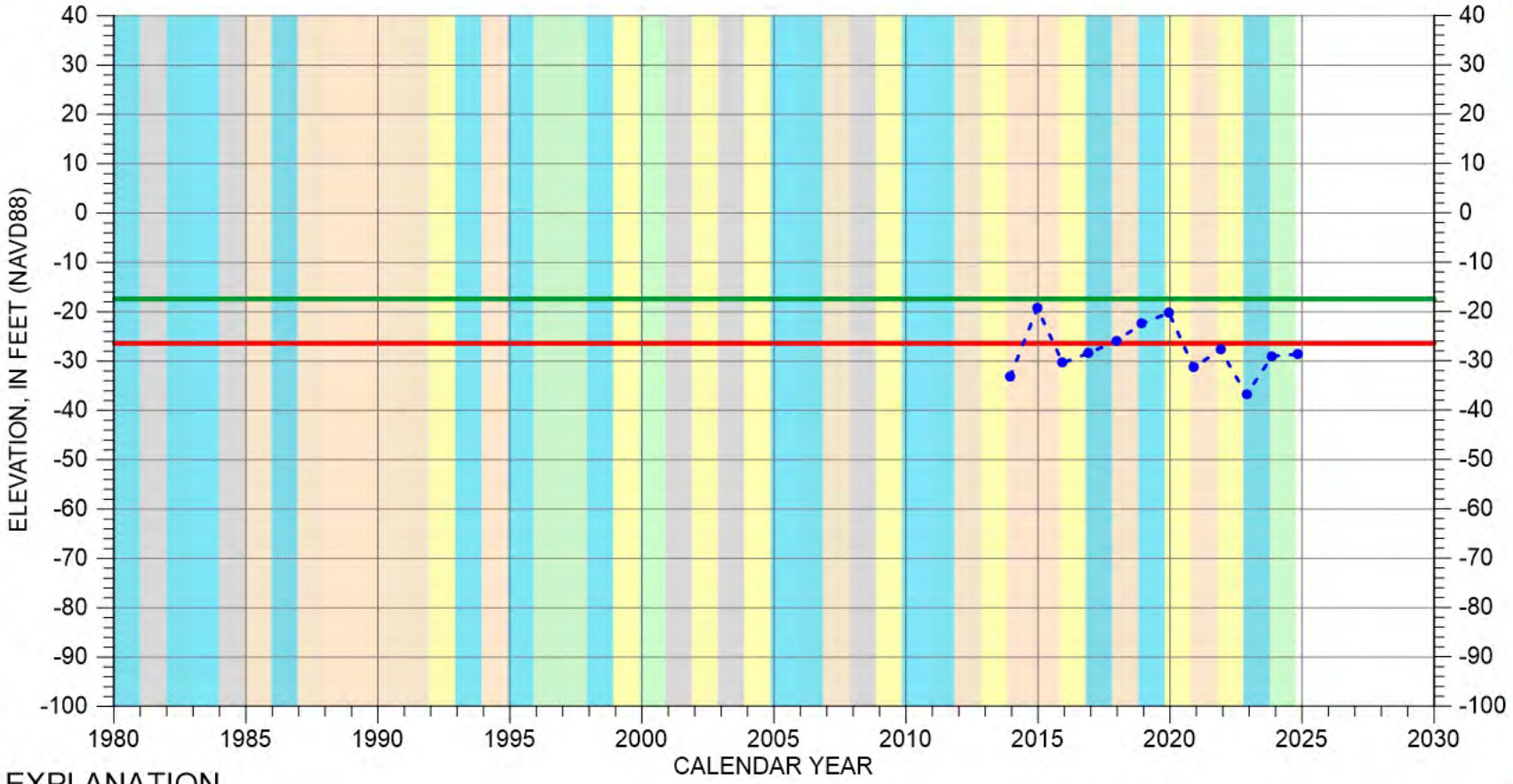
Perforated from
-216 to -331 feet msl

Well bottom
-341 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\14S_03E-18C02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-19C51

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

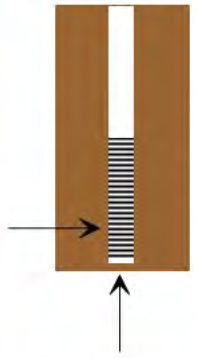


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (65 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



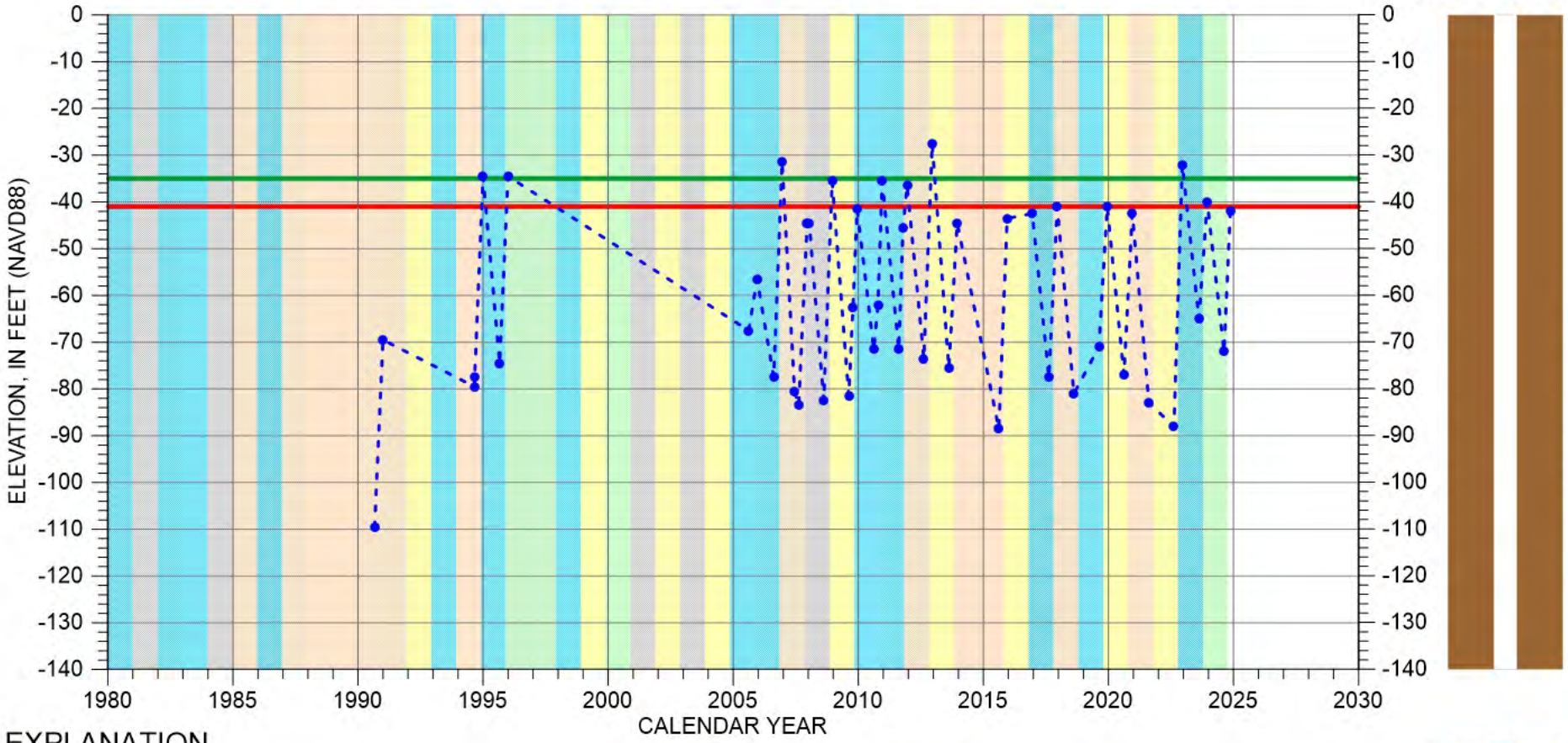
Multiple perforated intervals from -433 to -533 feet msl

Well bottom -549 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\14S_03E-19C51.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-20C01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

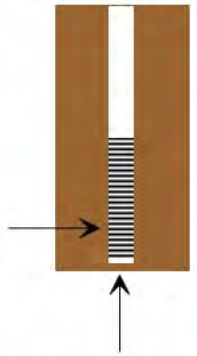


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (63 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



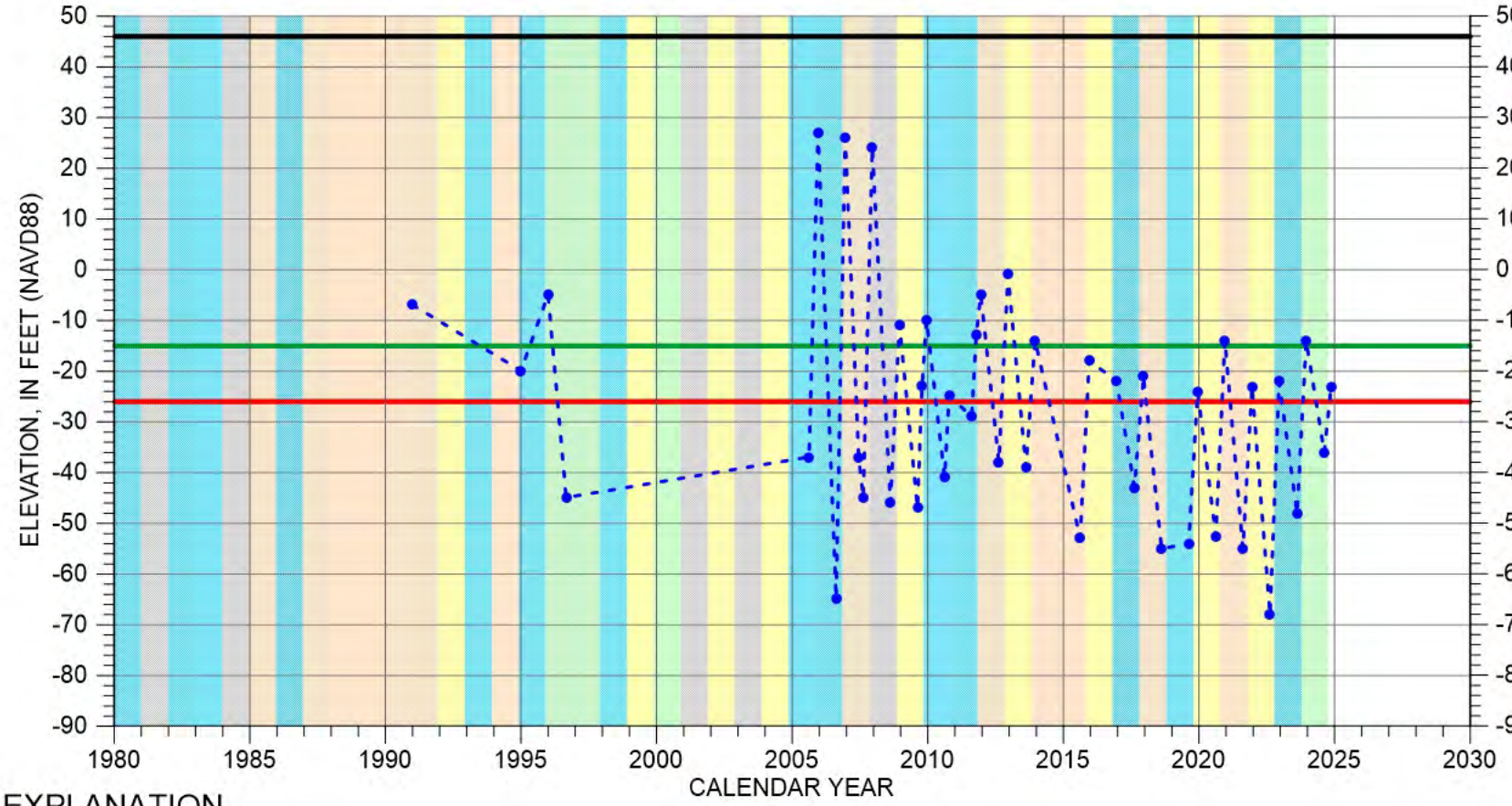
Multiple perforated intervals from -399 to -547 feet msl

Well bottom -638 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\14S_03E-20C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-29F03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

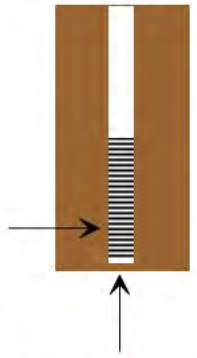


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

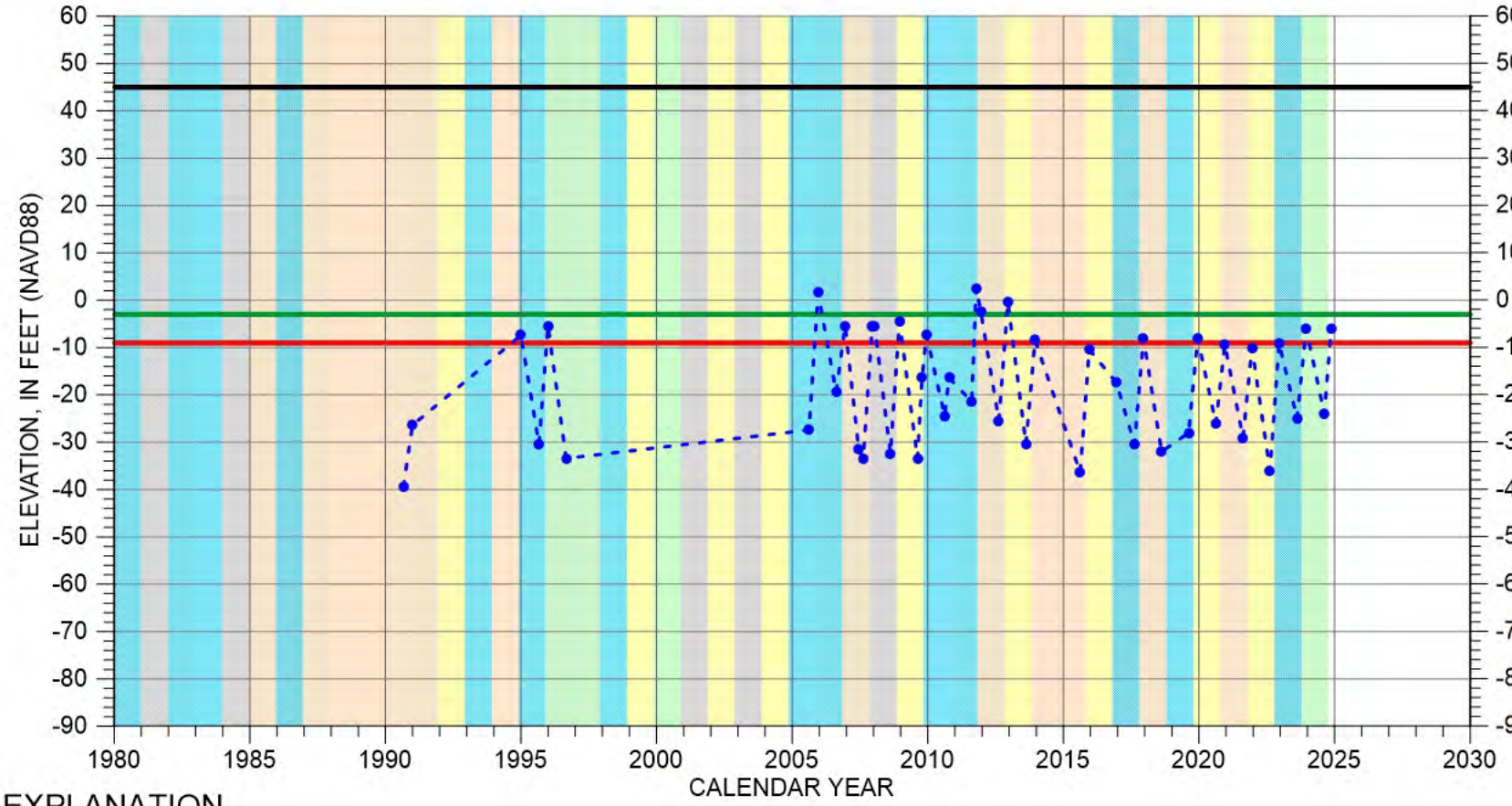
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\14S_03E-29F03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-31L01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

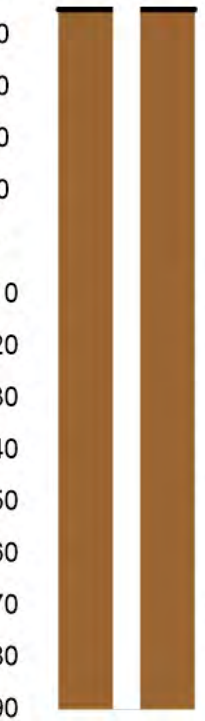


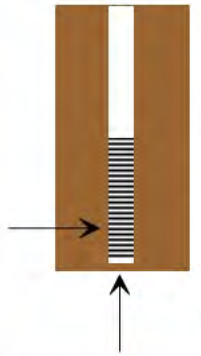
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





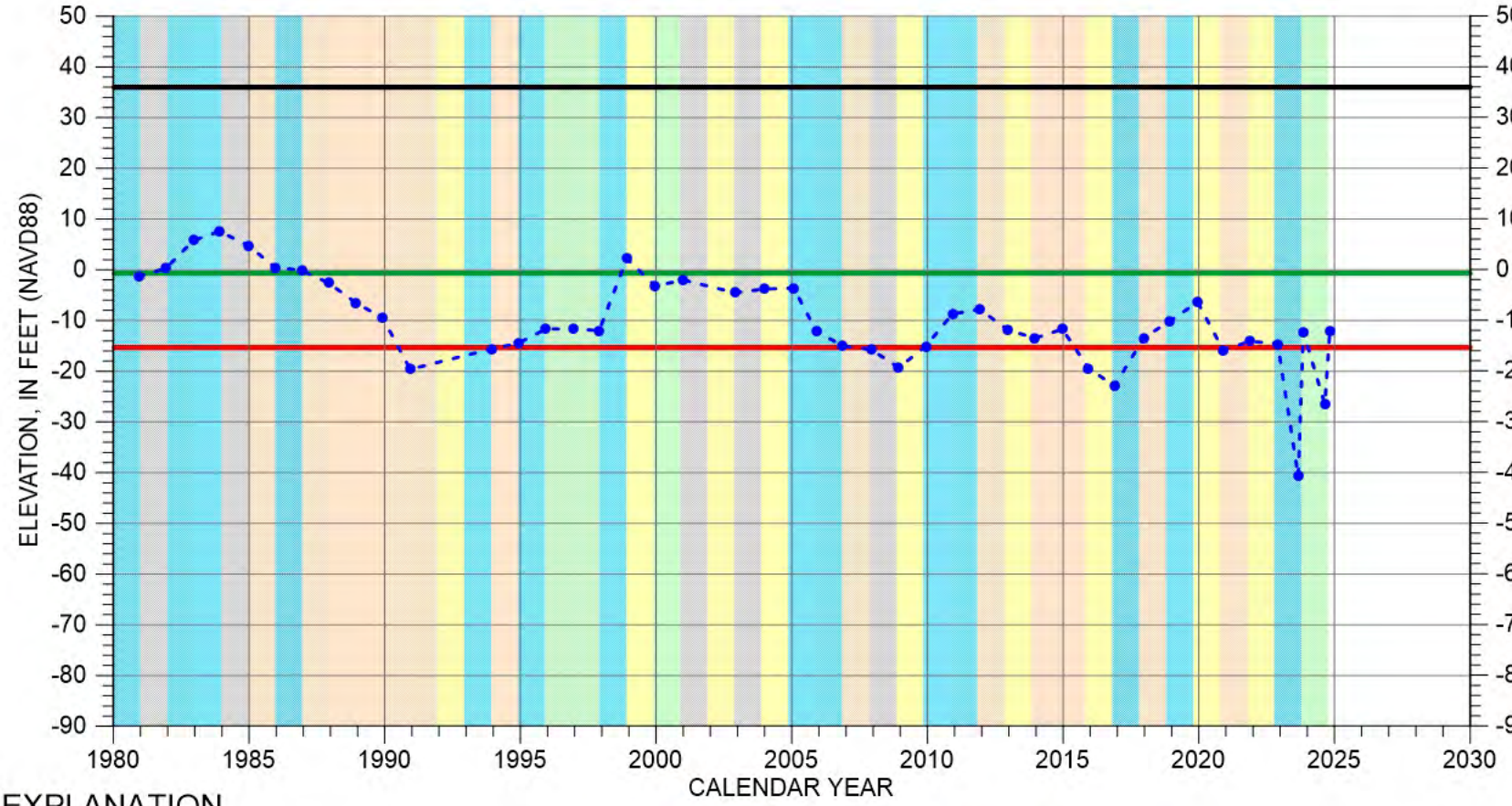
Multiple perforated intervals from -285 to -585 feet msl

Well bottom -595 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1804000\400_Ft_Aquifer\14S_03E-31L01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/02E-01A03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

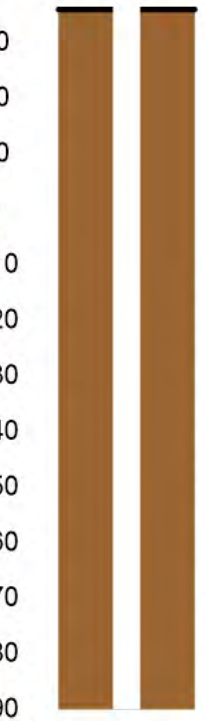


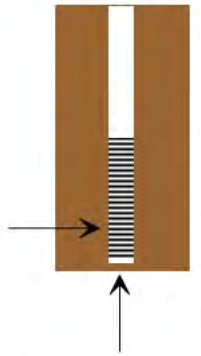
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





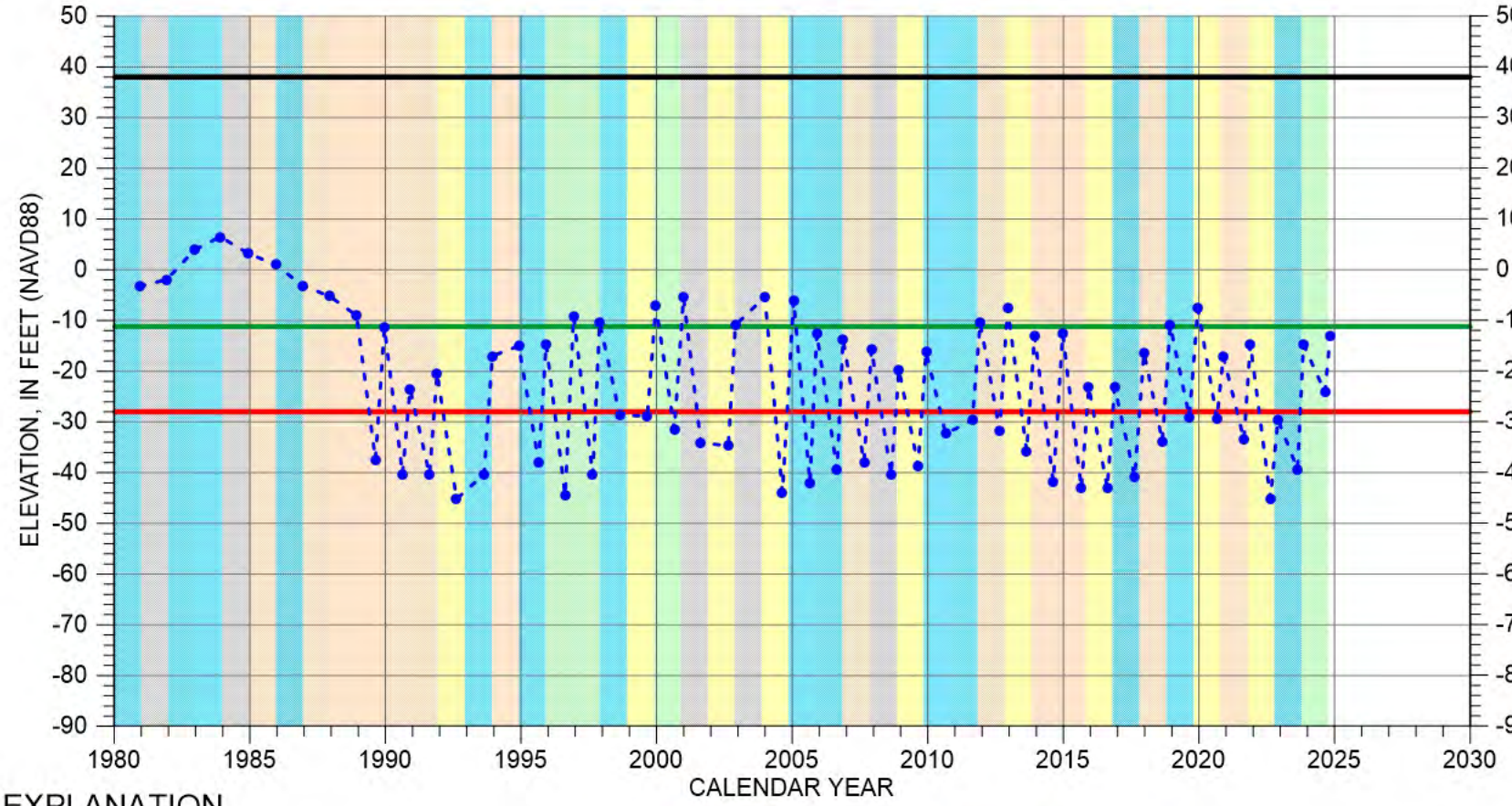
Multiple perforated
intervals from
-300 to -439 feet msl

Well bottom
-444 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_02E-01A03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/02E-02G01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

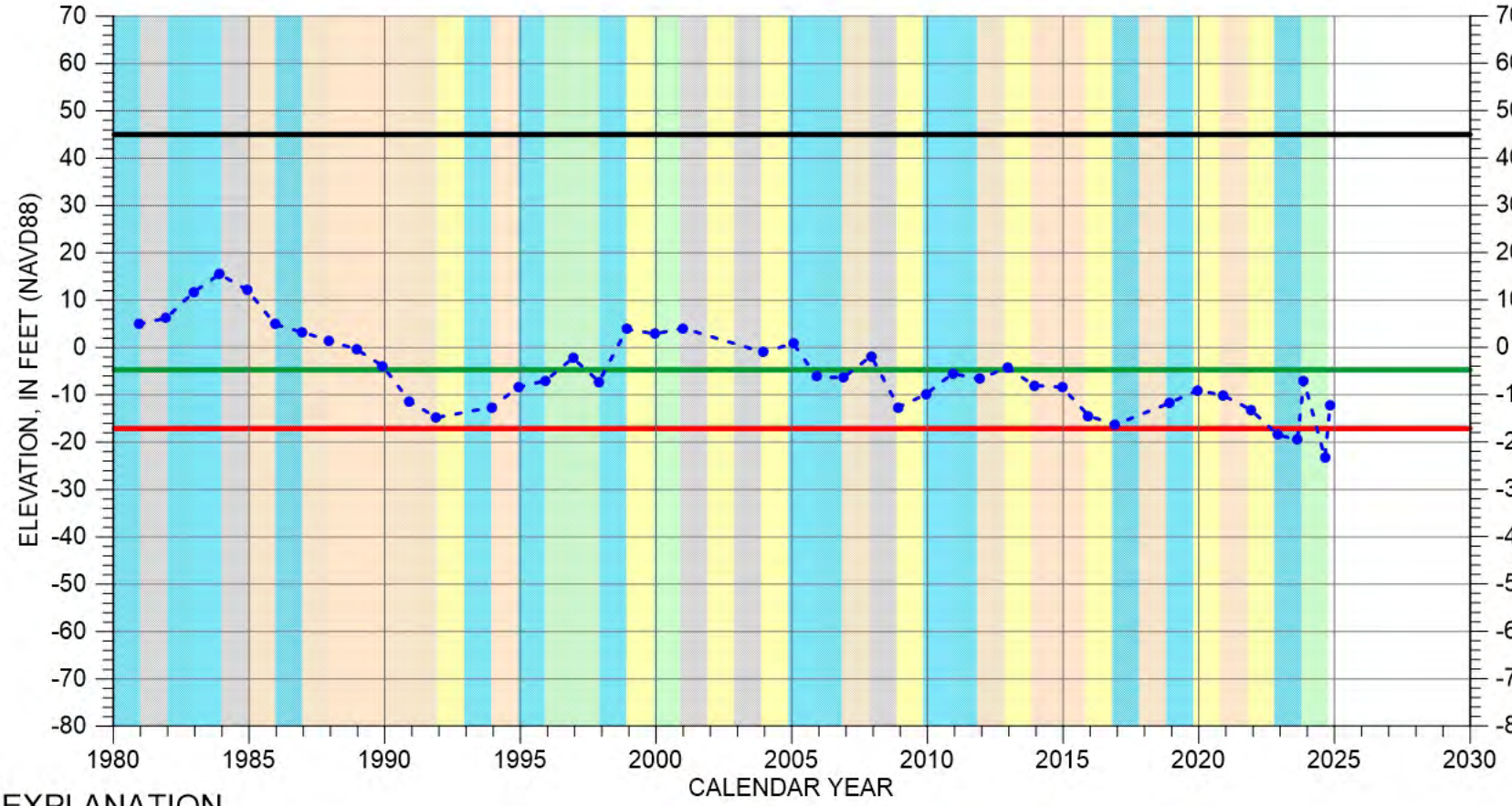
Perforated from
-263 to -363 feet msl

Well bottom
-367 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\15S_02E-02G01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/02E-12A01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

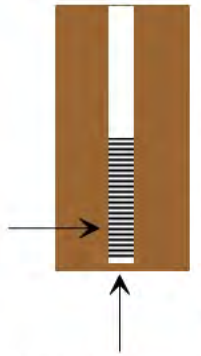


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



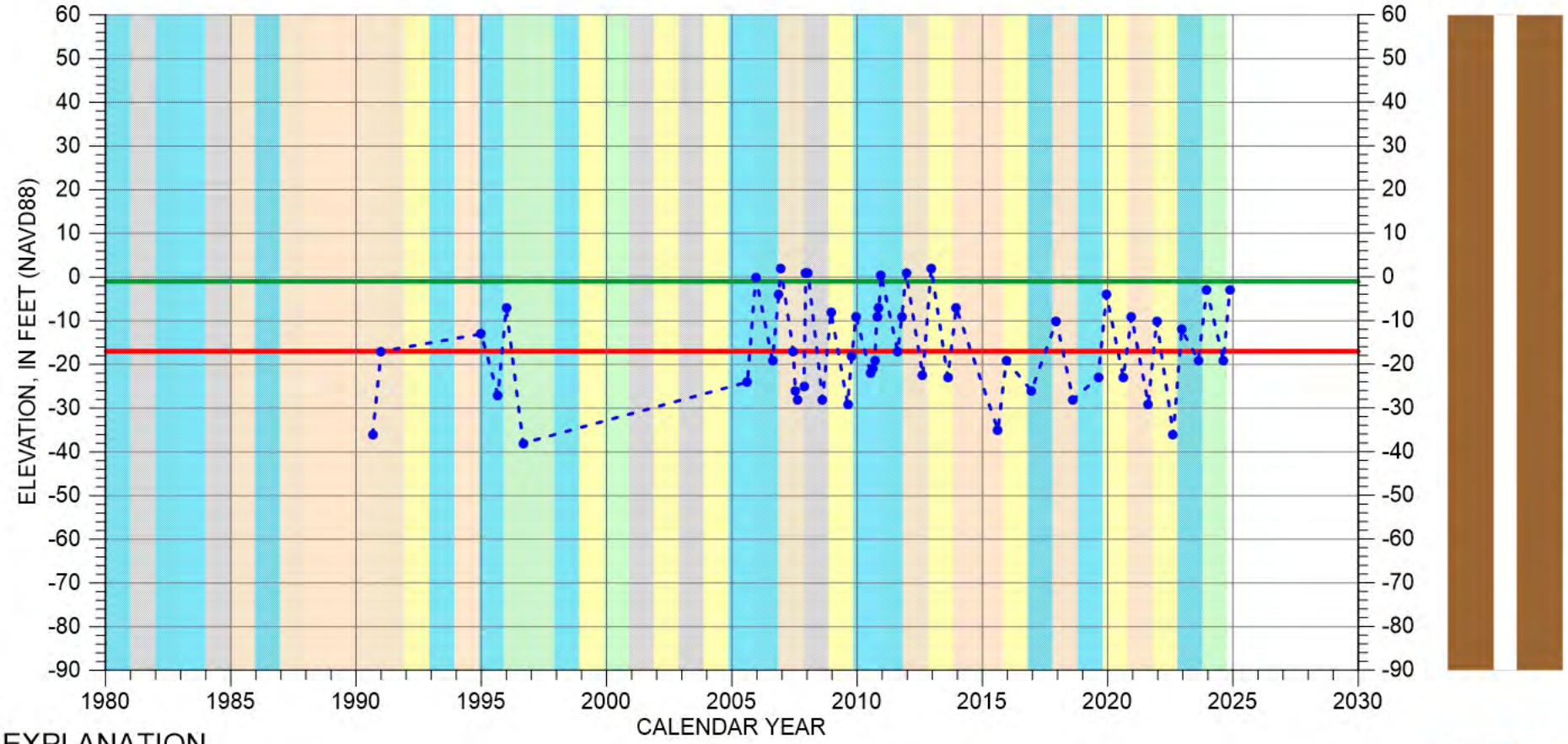
Perforated from
-381 to -462 feet msl

Well bottom
-504 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_02E-12A01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-03R02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

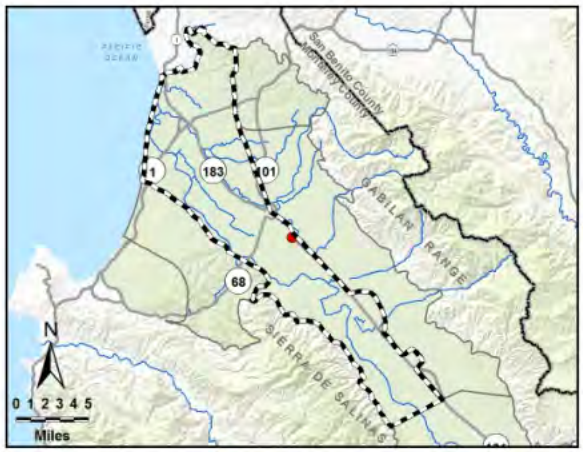


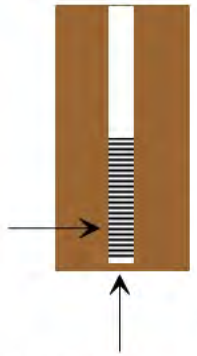
EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (62 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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





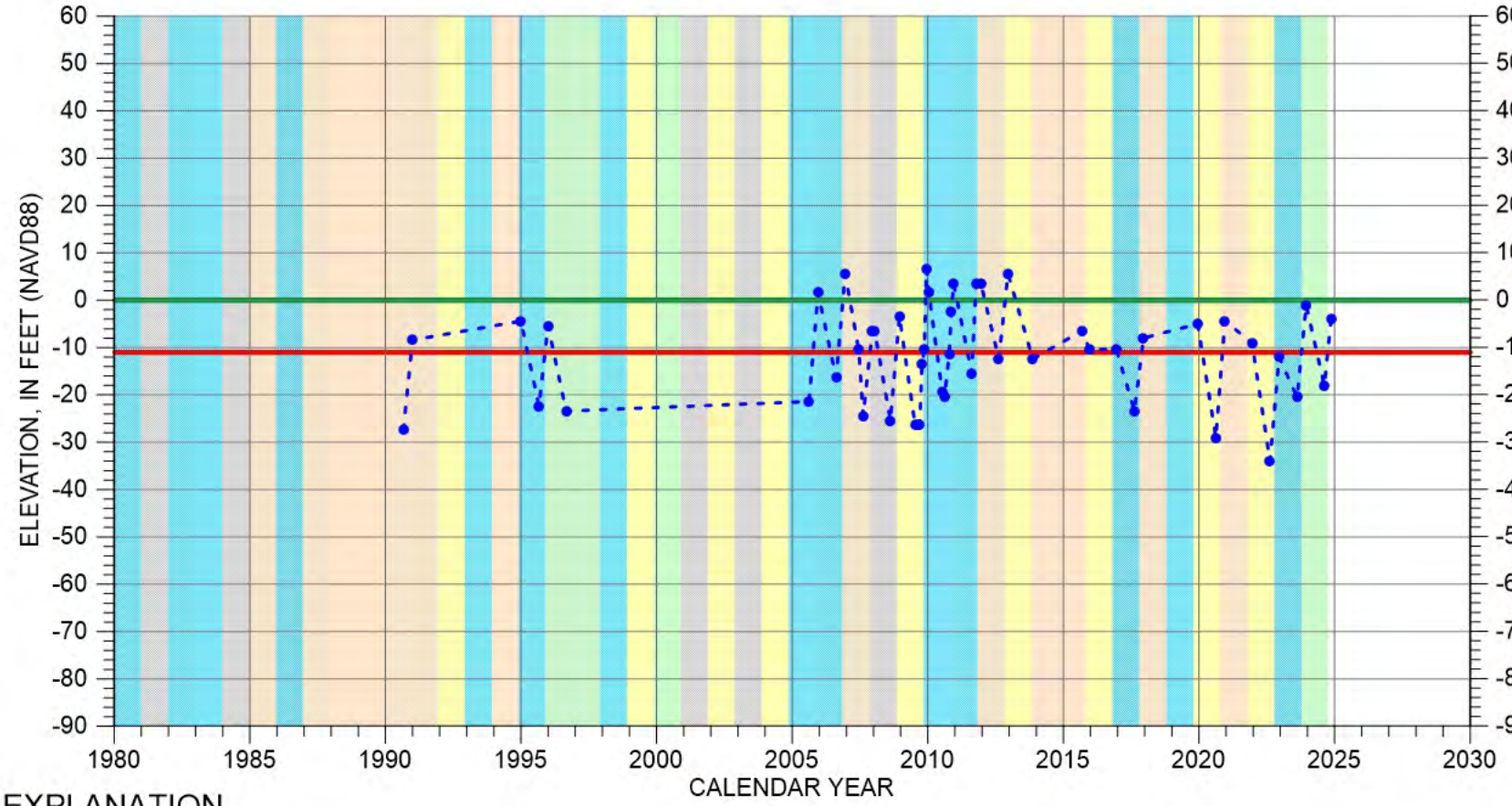
Multiple perforated intervals from -268 to -381 feet msl

Well bottom -638 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_03E-03R02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-04Q01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

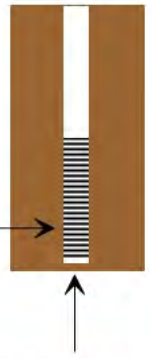


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (62 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



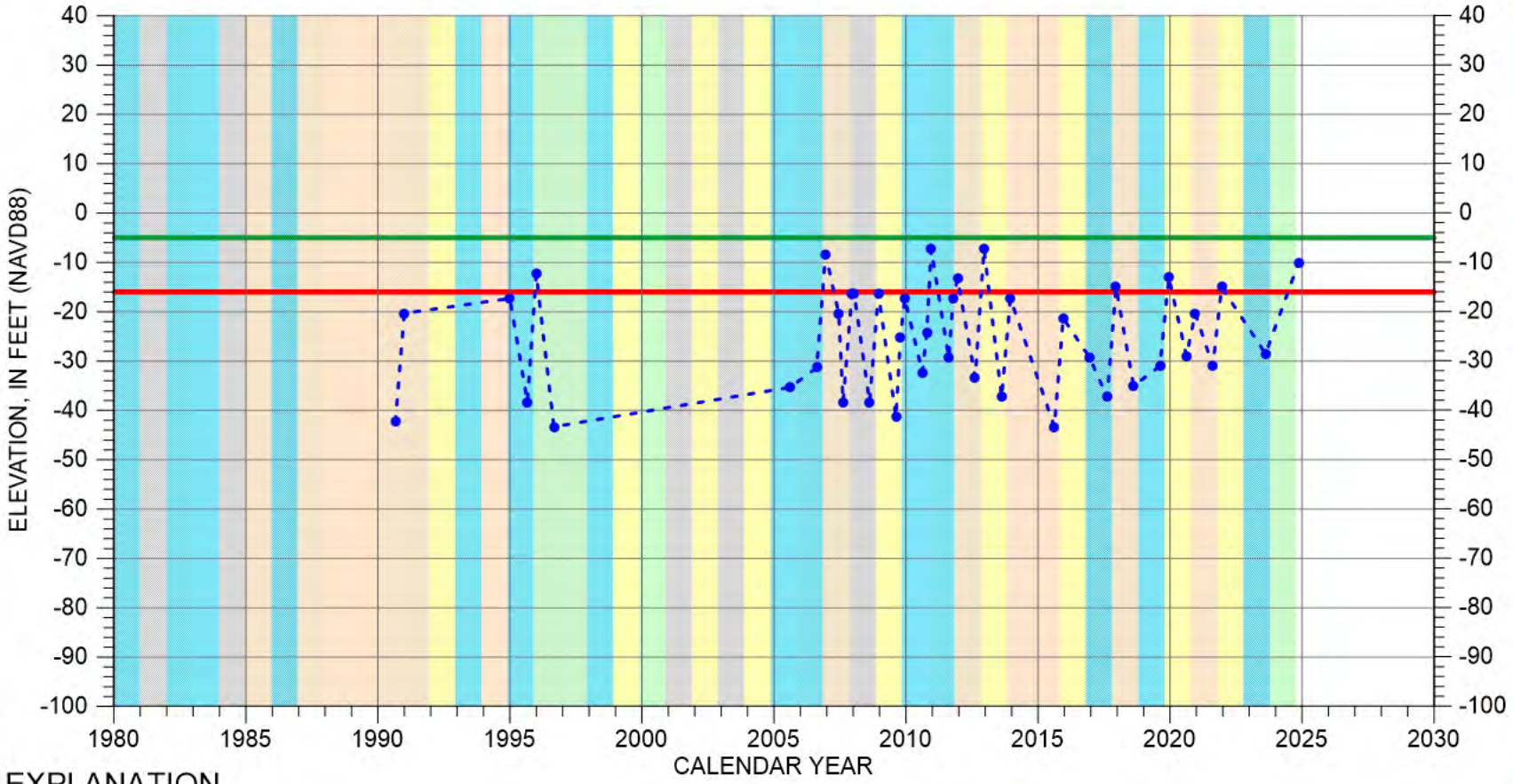
Perforated from
-248 to -458 feet msl

Well bottom
-478 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\15S_03E-04Q01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-05C02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (49 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

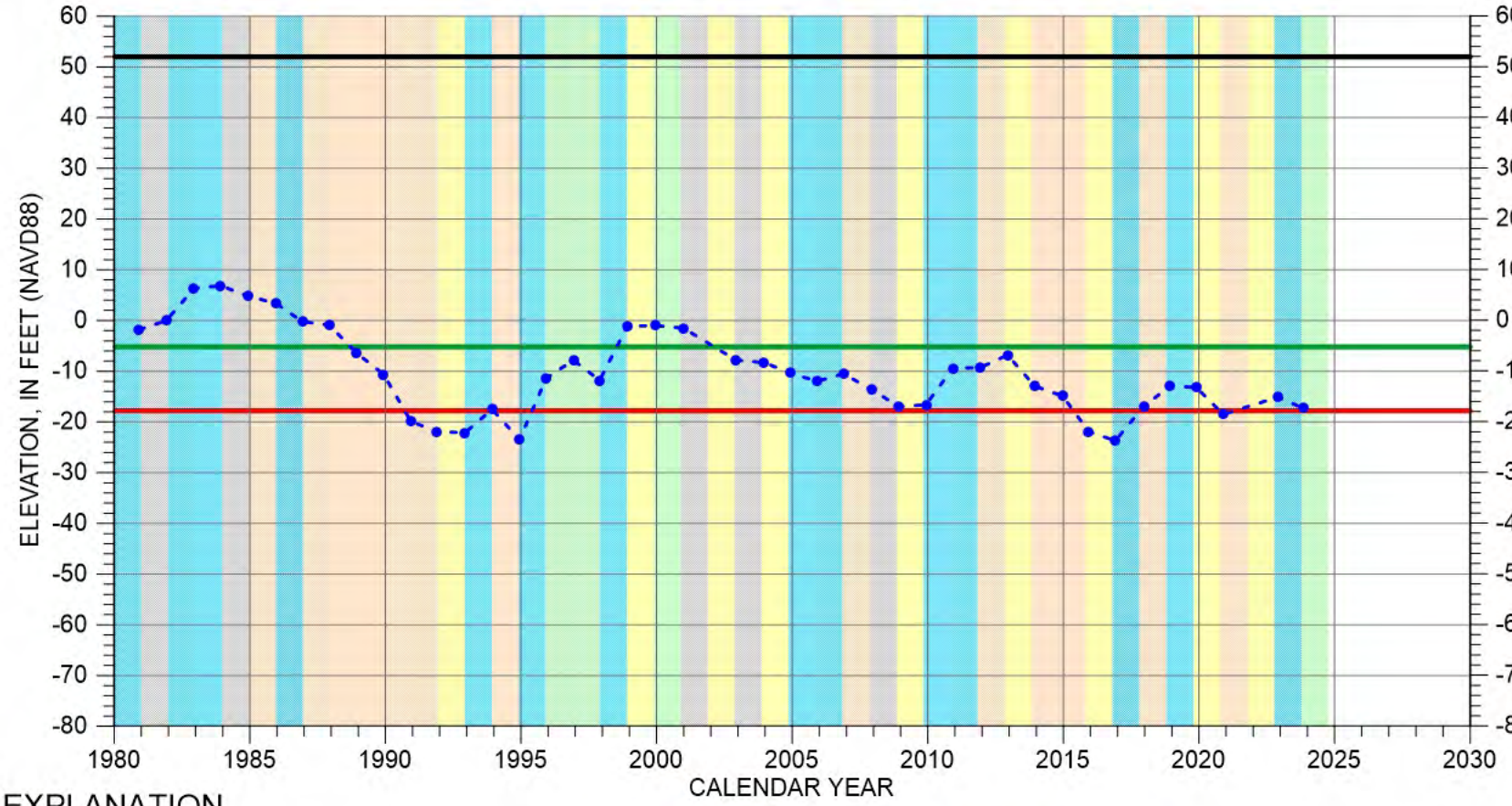
Perforated from
-308 to -388 feet msl

Well bottom
-565 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\15S_03E-05C02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-08F01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

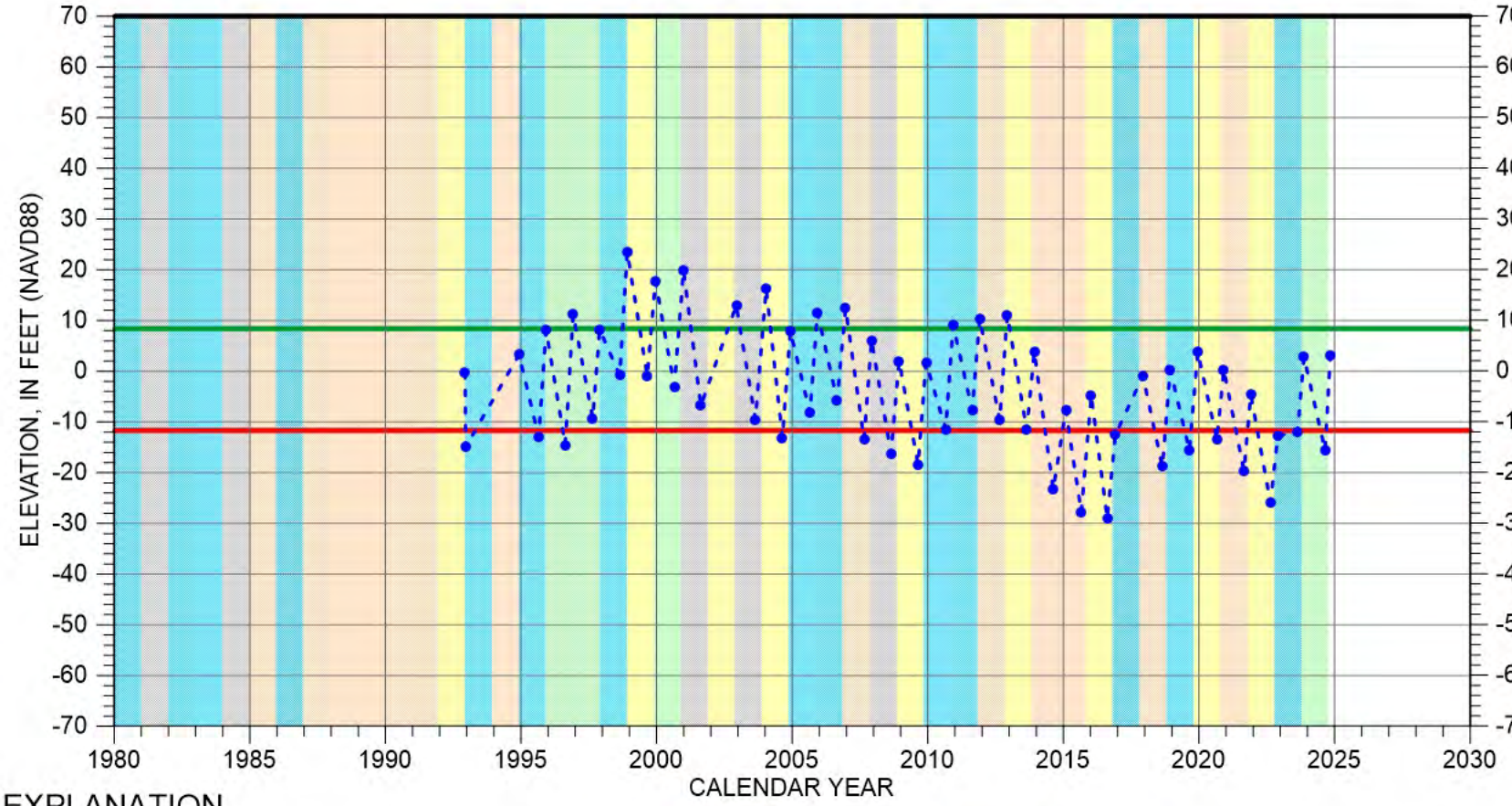
Multiple perforated
intervals from
-345 to -395 feet msl

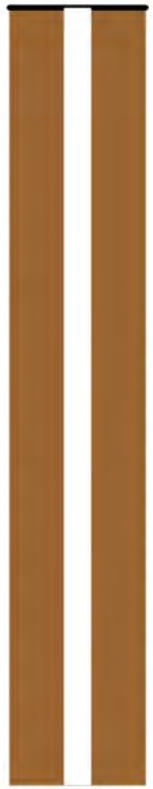
Well bottom
-397 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_03E-08F01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-14P02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)





EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

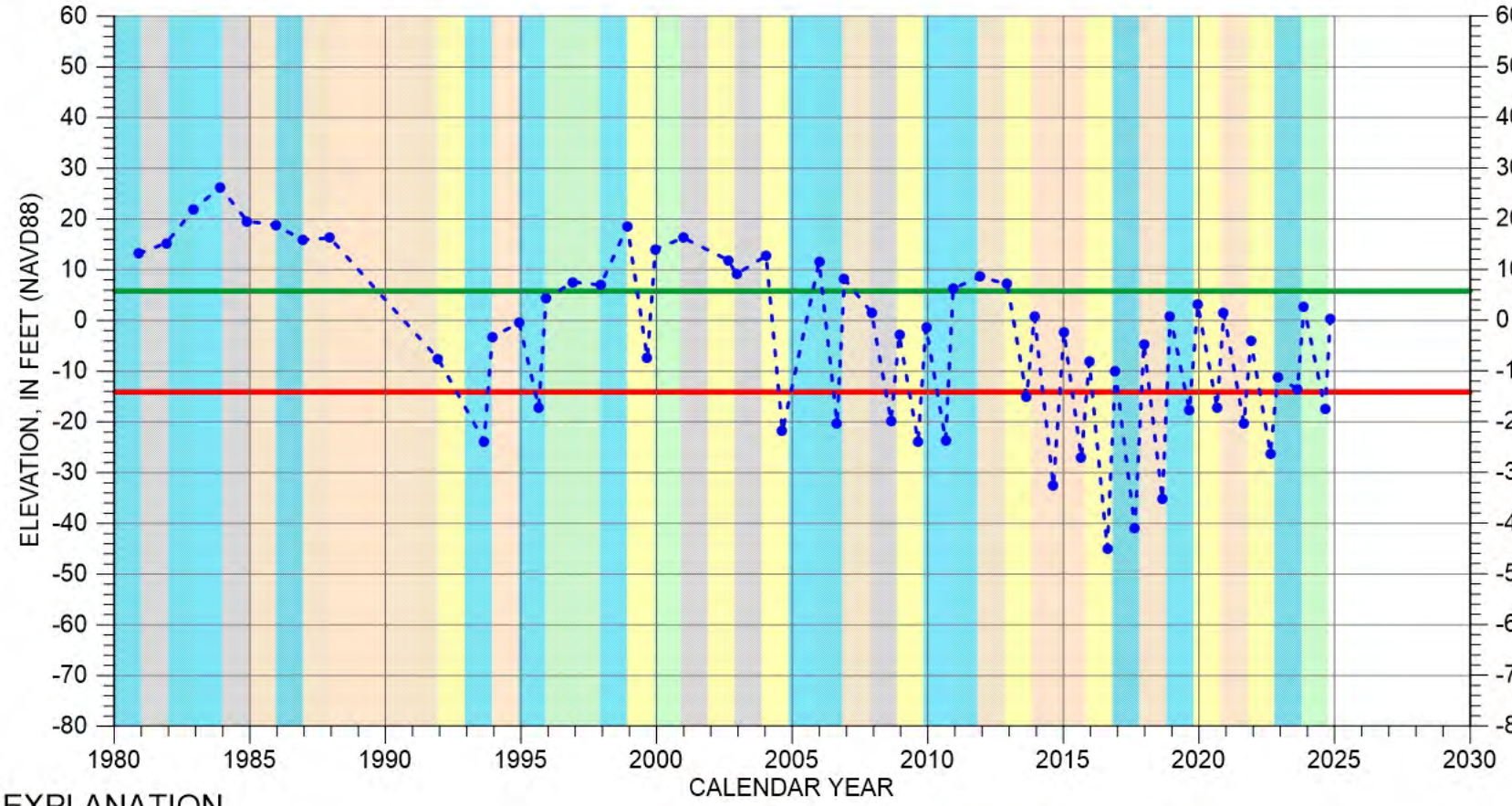
Multiple perforated intervals from -346 to -494 feet msl

Well bottom -537 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_03E-14P02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-15B01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (69 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

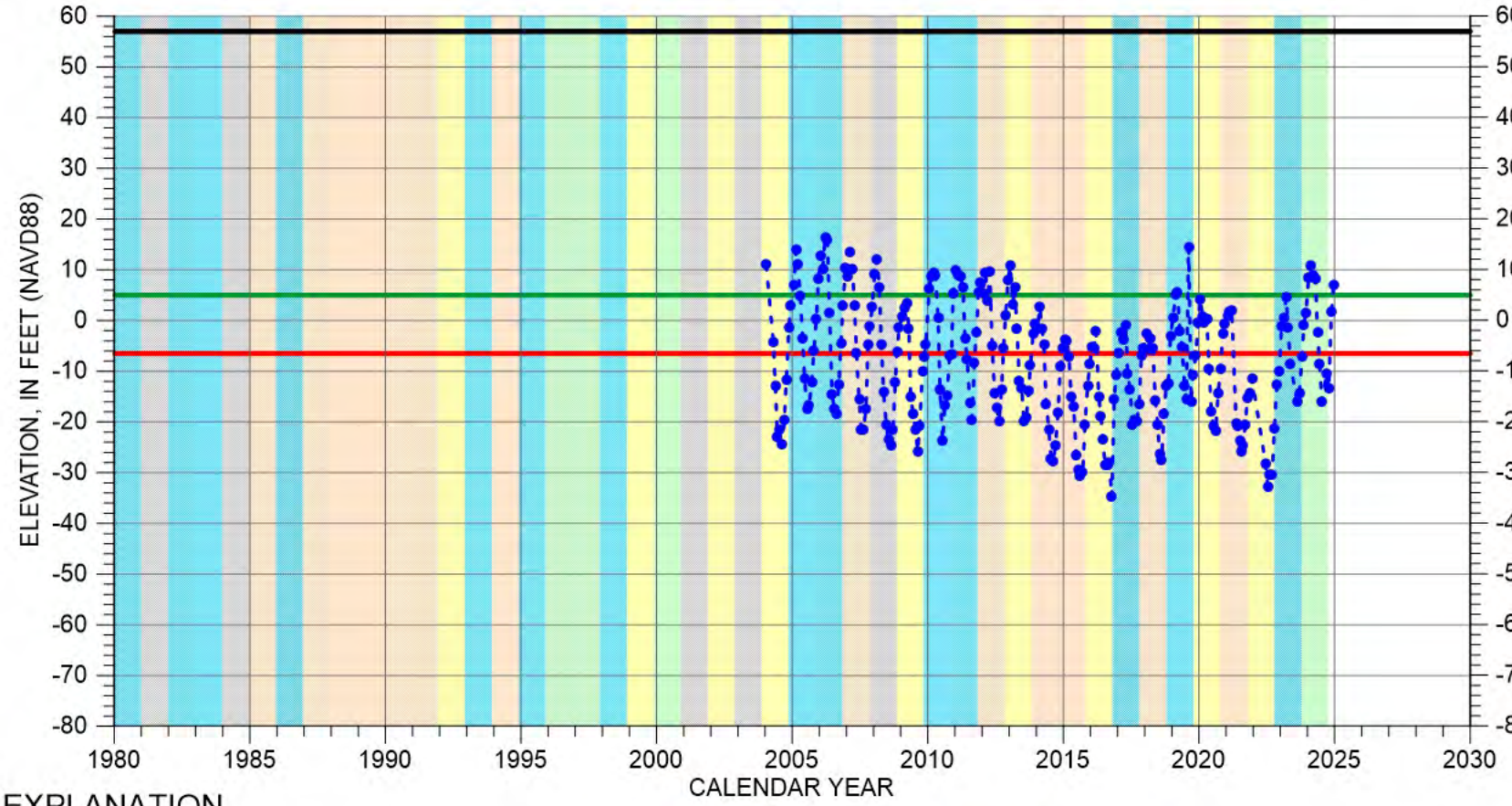
Multiple perforated
intervals from
-249 to -378 feet msl

Well bottom
-383 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_03E-15B01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-16F02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

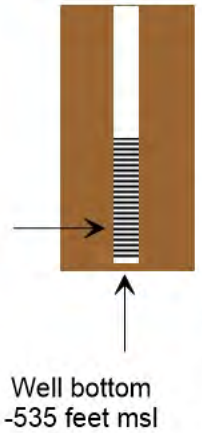


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

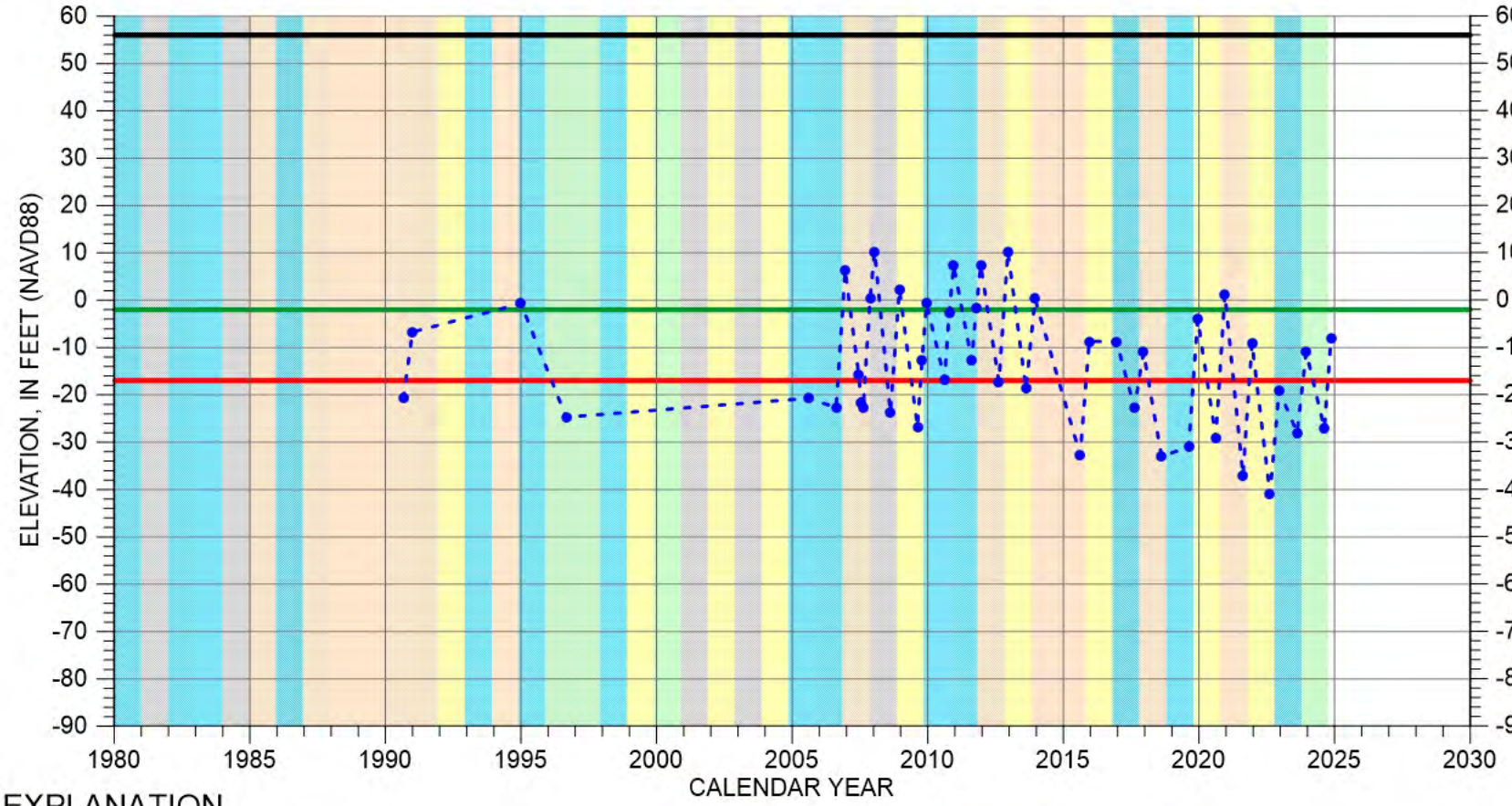
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\15S_03E-16F02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-17P02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

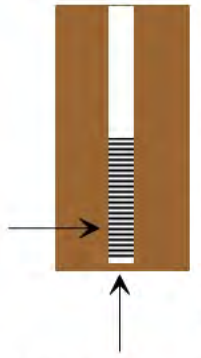


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



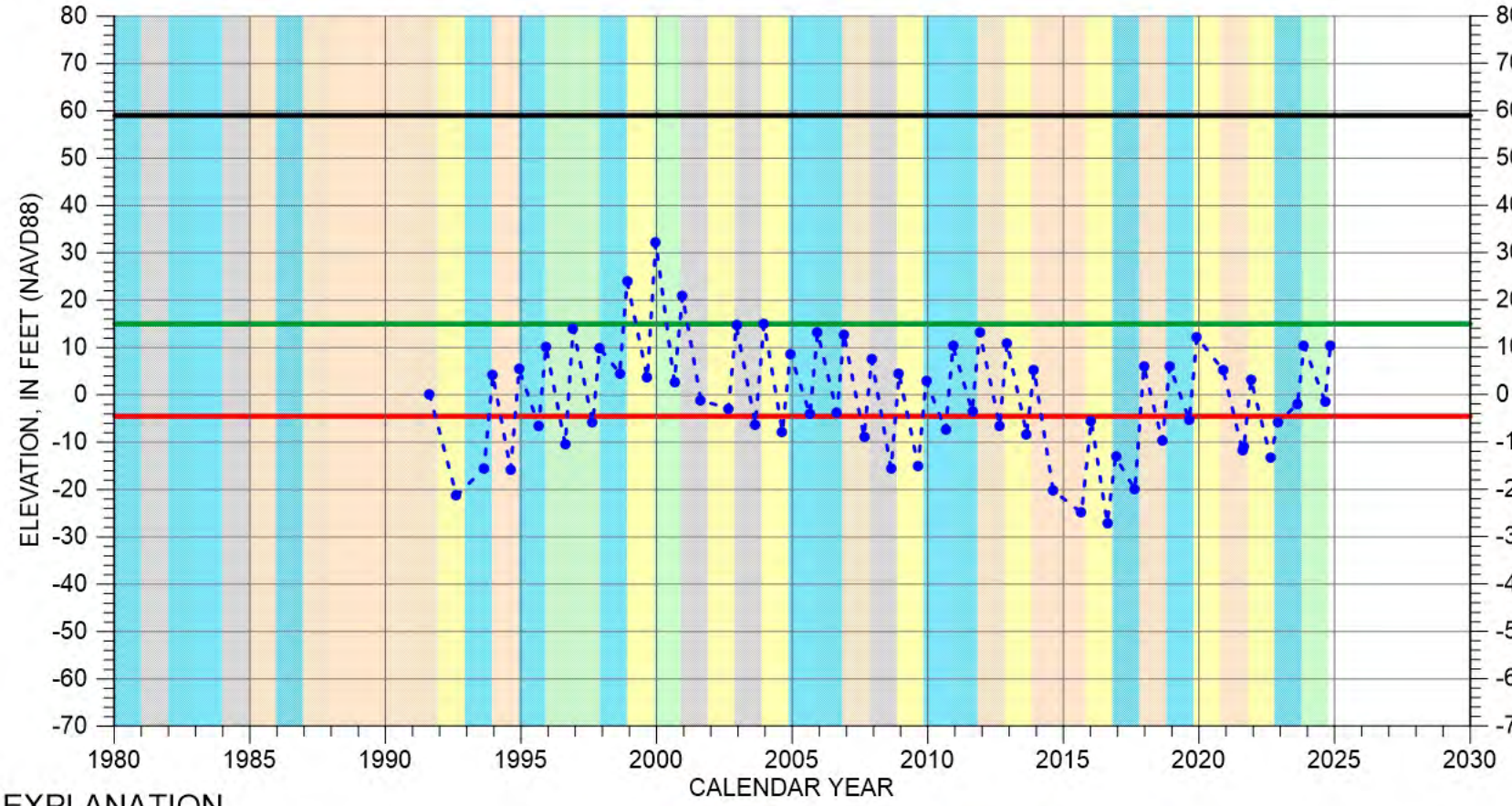
Perforated from
-304 to -684 feet msl

Well bottom
-744 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\15S_03E-17P02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-26A01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

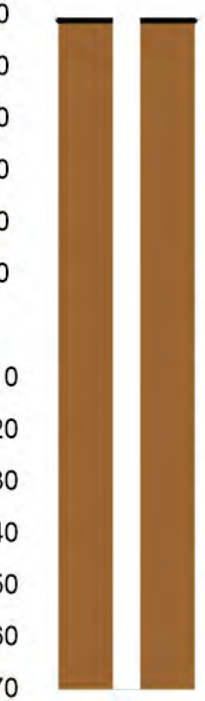


EXPLANATION

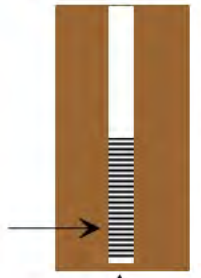
- Groundwater Elevation
- Suspect Measurement
- Land Surface
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



Multiple perforated intervals from -274 to -481 feet msl

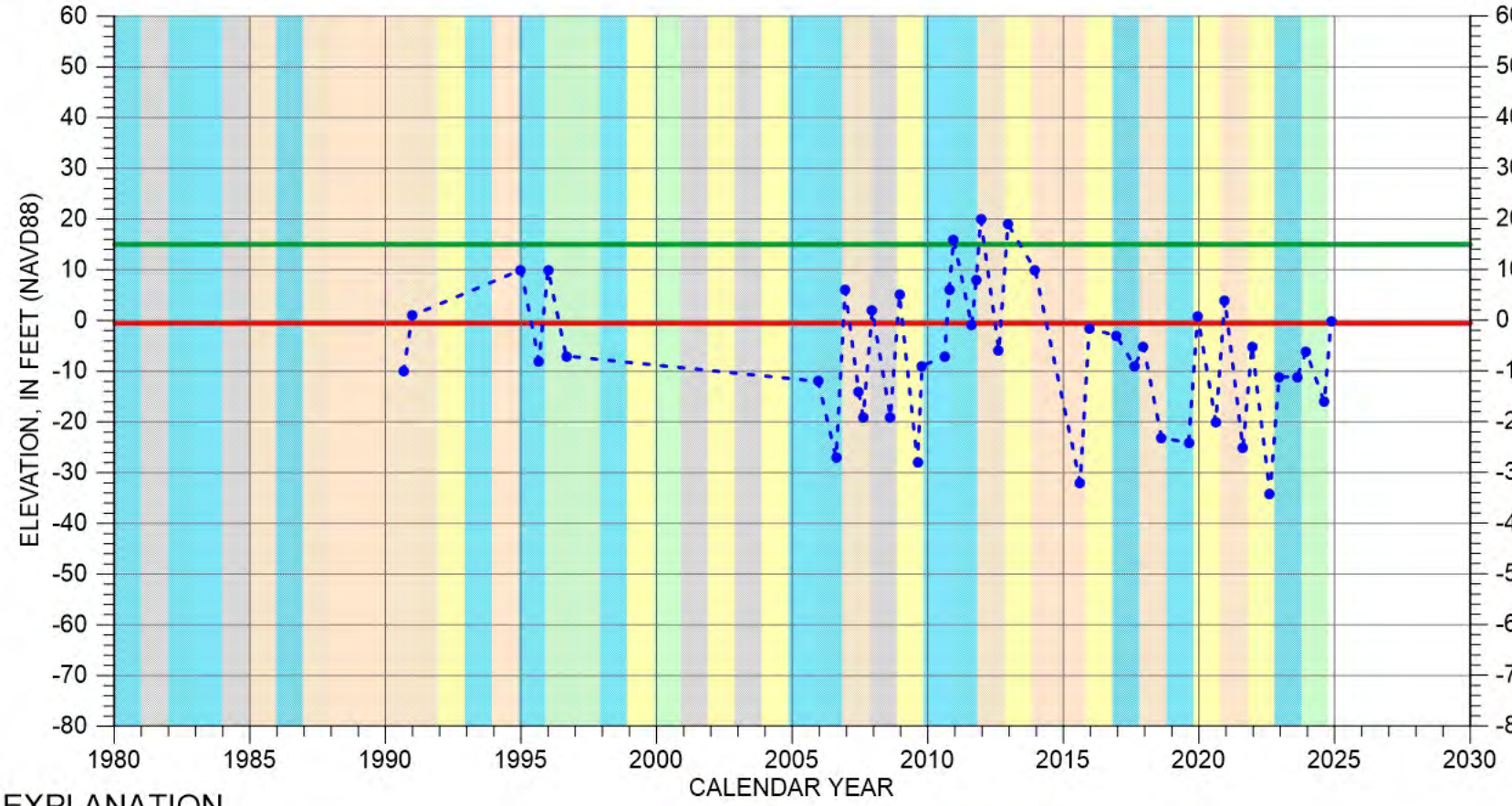


Well bottom -511 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\15S_03E-26A01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/03E-28B02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

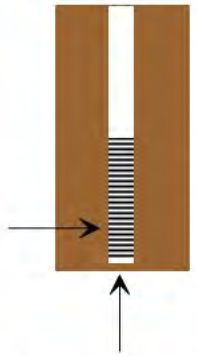


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (62 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



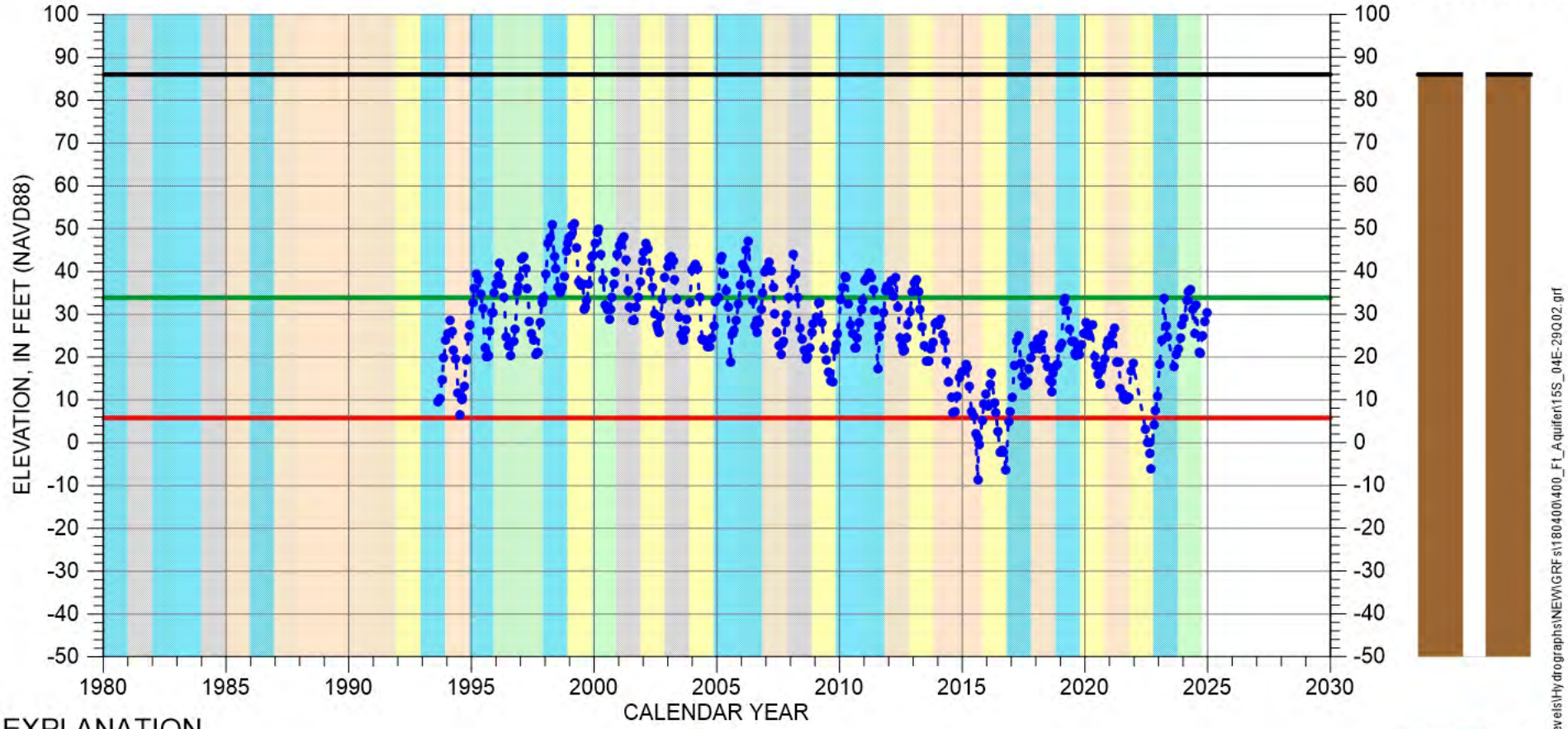
Perforated from
-351 to -403 feet msl

Well bottom
-428 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_FT_Aquifer\15S_03E-28B02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 15S/04E-29Q02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

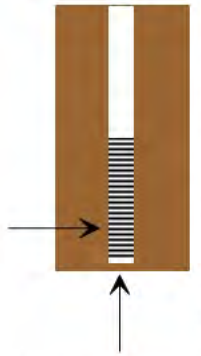


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



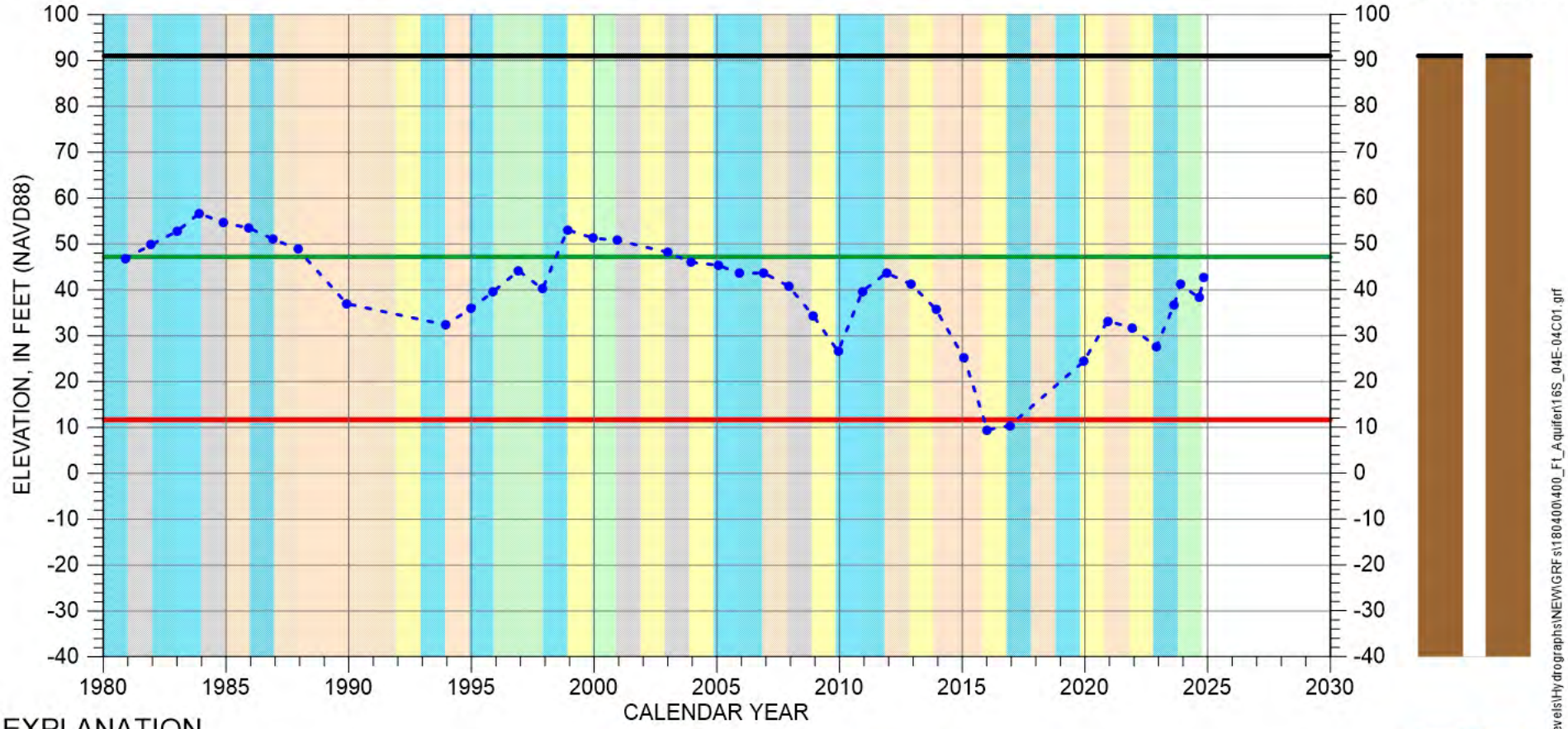
Multiple perforated intervals from -143 to -453 feet msl

Well bottom -469 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1804400\400_Ft_Aquifer\15S_04E-29Q02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-04C01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

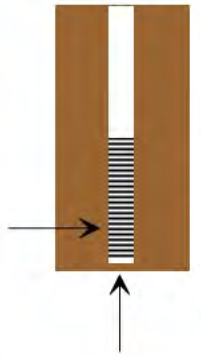


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



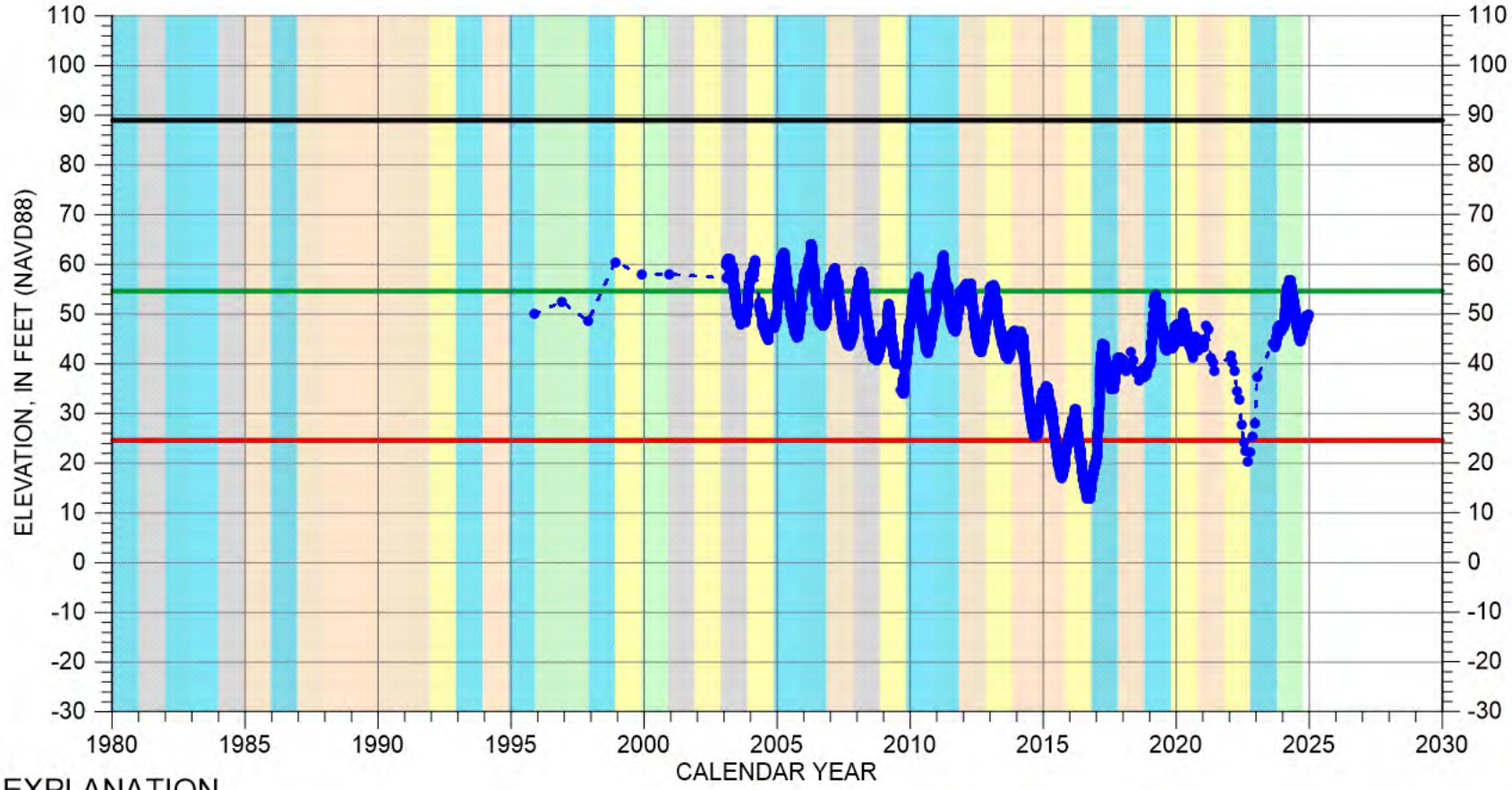
Multiple perforated intervals from -224 to -368 feet msl

Well bottom -375 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1804000\400_Ft_Aquifer\16S_04E-04C01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-08H03

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

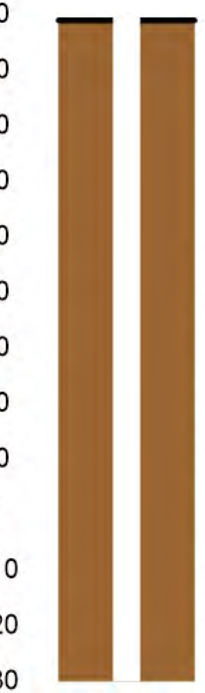


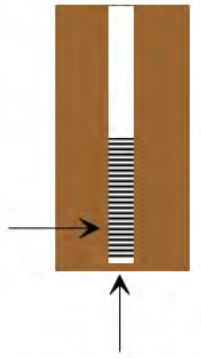
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

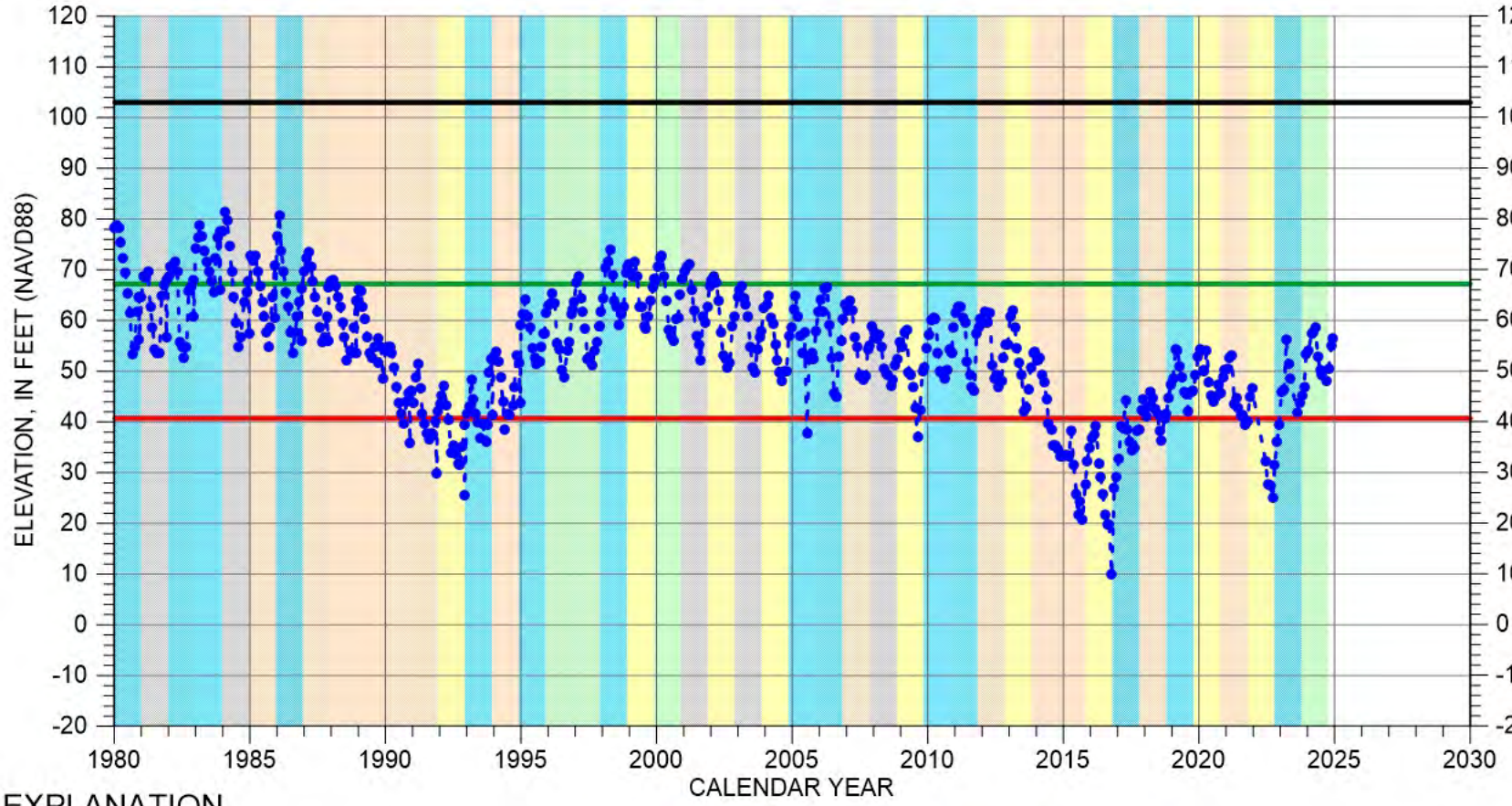




S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\16S_04E-08H03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-10R02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

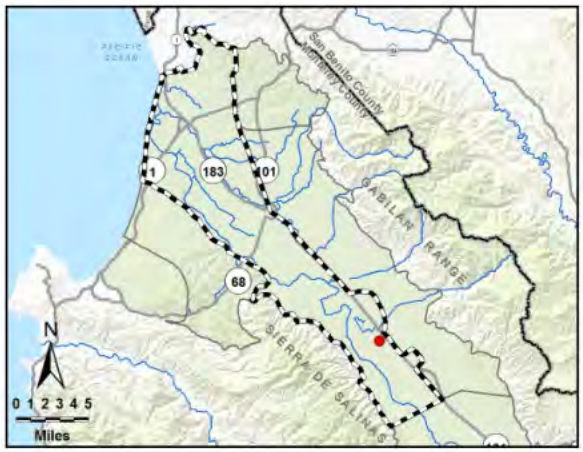


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



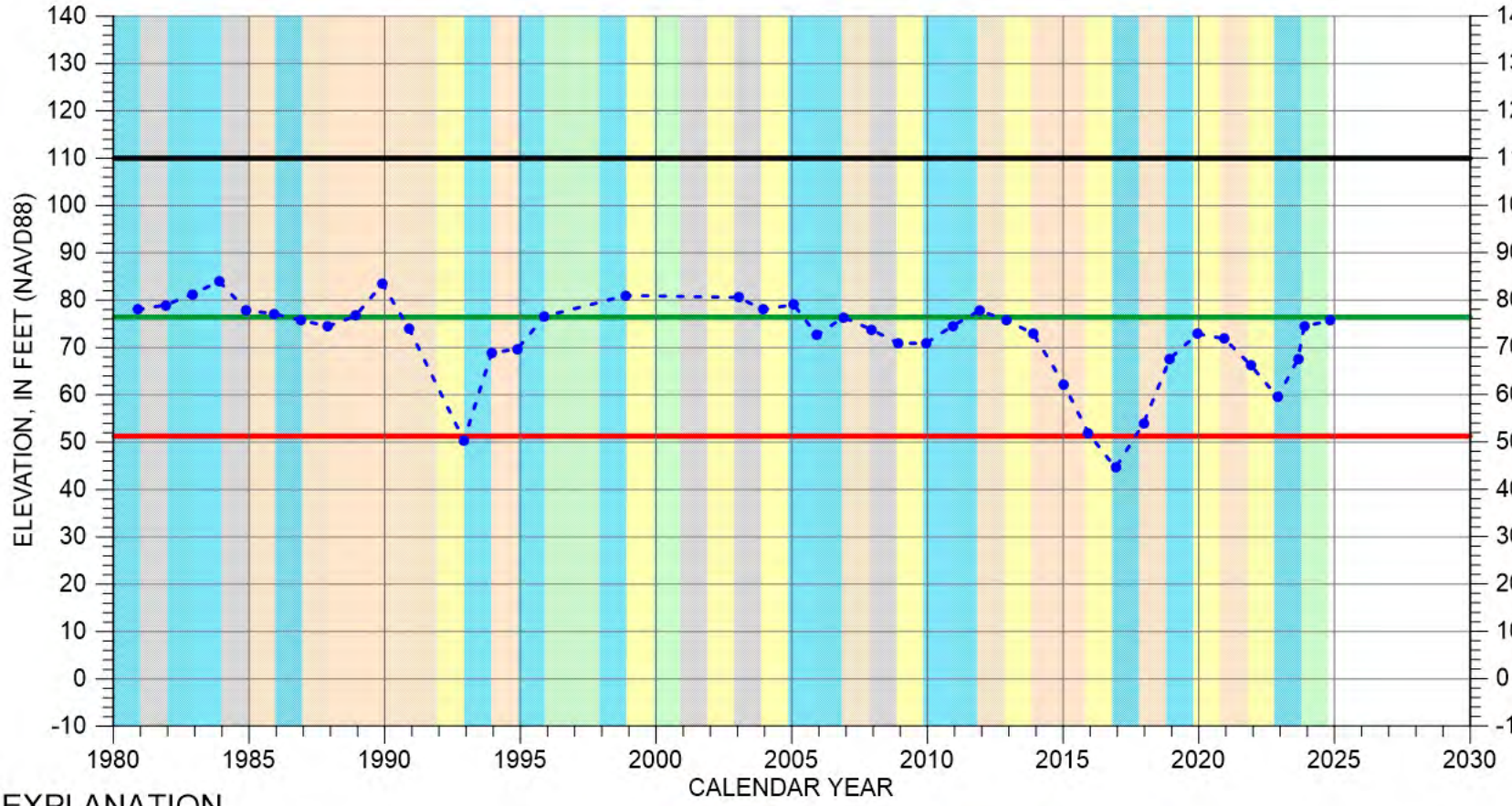
Multiple perforated intervals from -109 to -374 feet msl

Well bottom -381 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\400_Ft_Aquifer\16S_04E-10R02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/04E-25G01

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

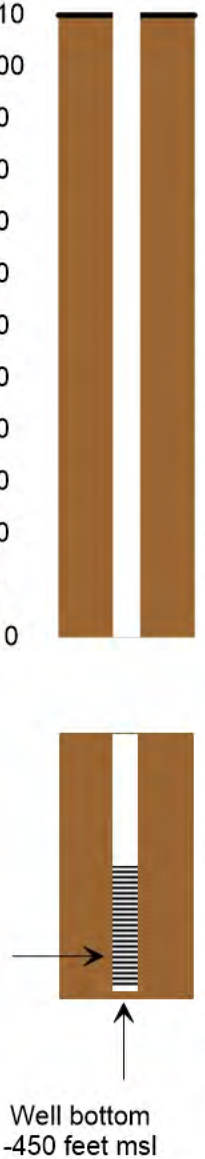


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

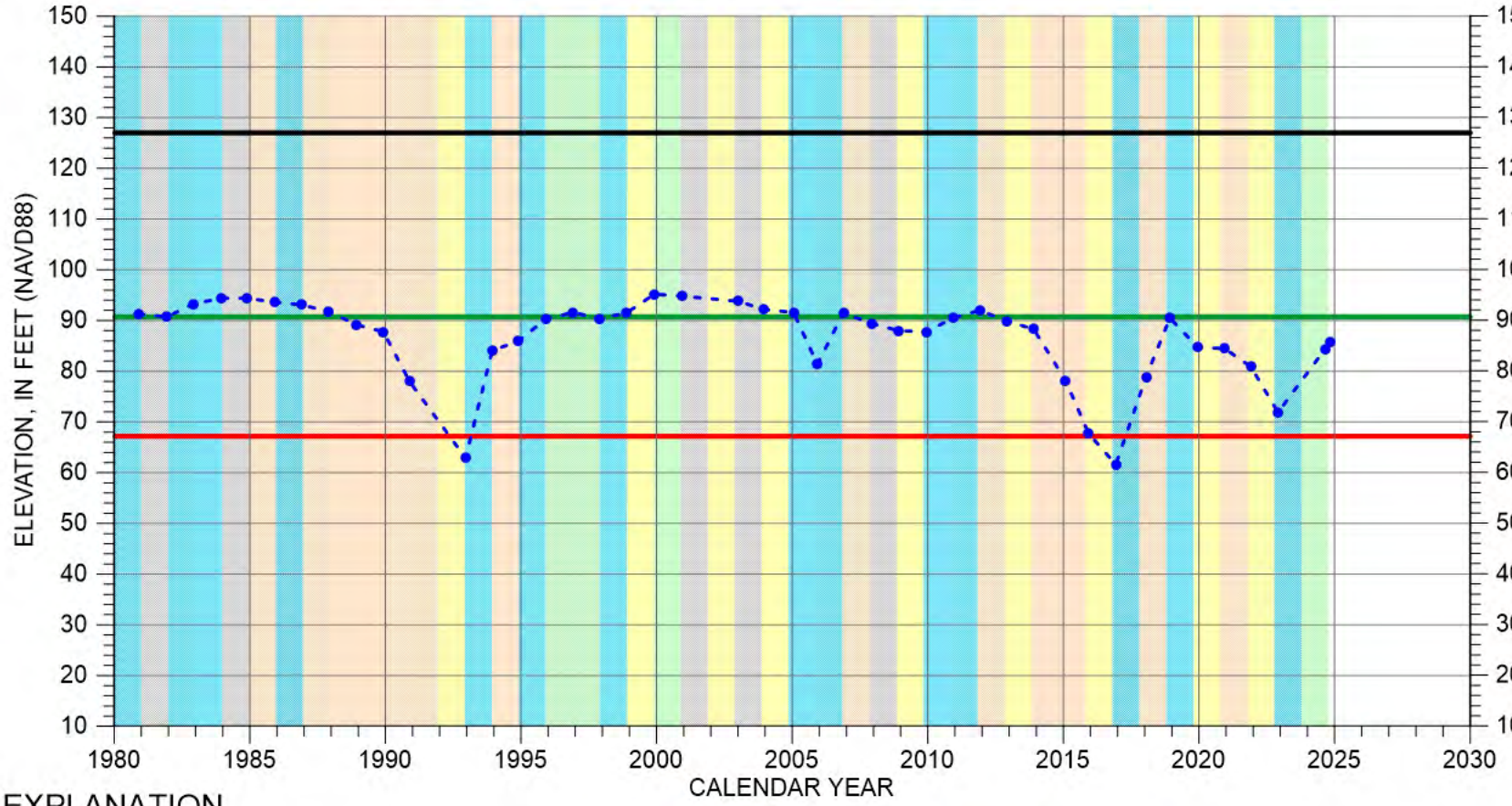
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\400_Ft_Aquifer\16S_04E-25G01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 16S/05E-30J02

180/400-Foot Aquifer Subbasin
(400-Foot Aquifer)

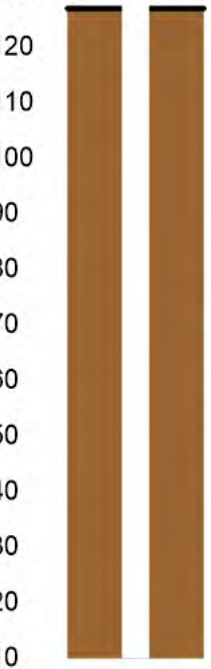


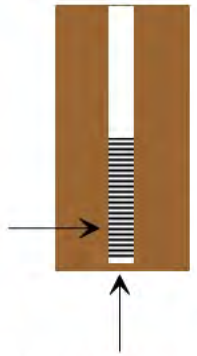
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





Multiple perforated intervals from -63 to -308 feet msl

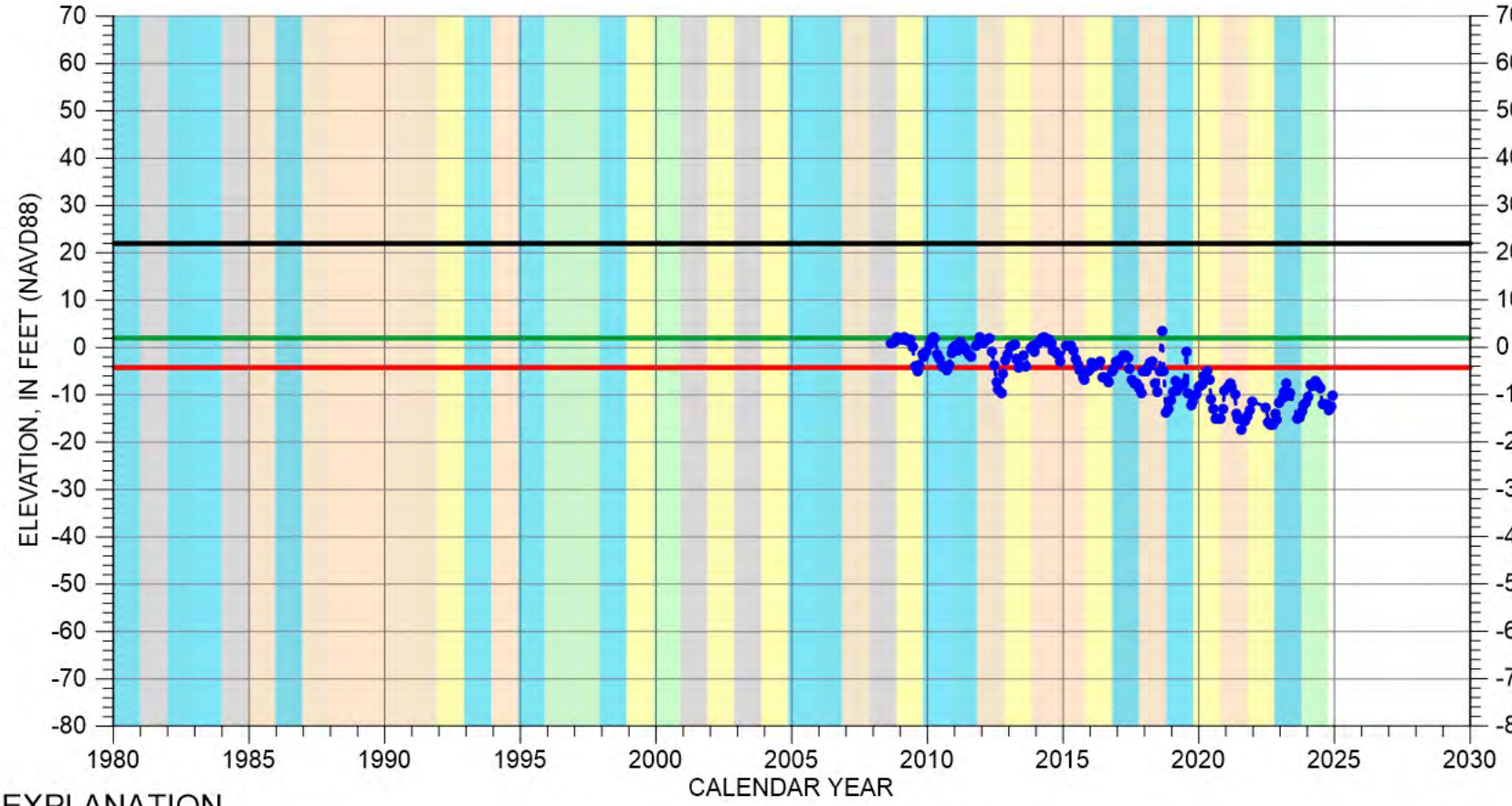
Well bottom -321 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1804000\400_Ft_Aquifer\16S_05E-30J02.grf

Deep Aquifers

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/01E-36J02

180/400-Foot Aquifer Subbasin
(Deep Aquifers)



EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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

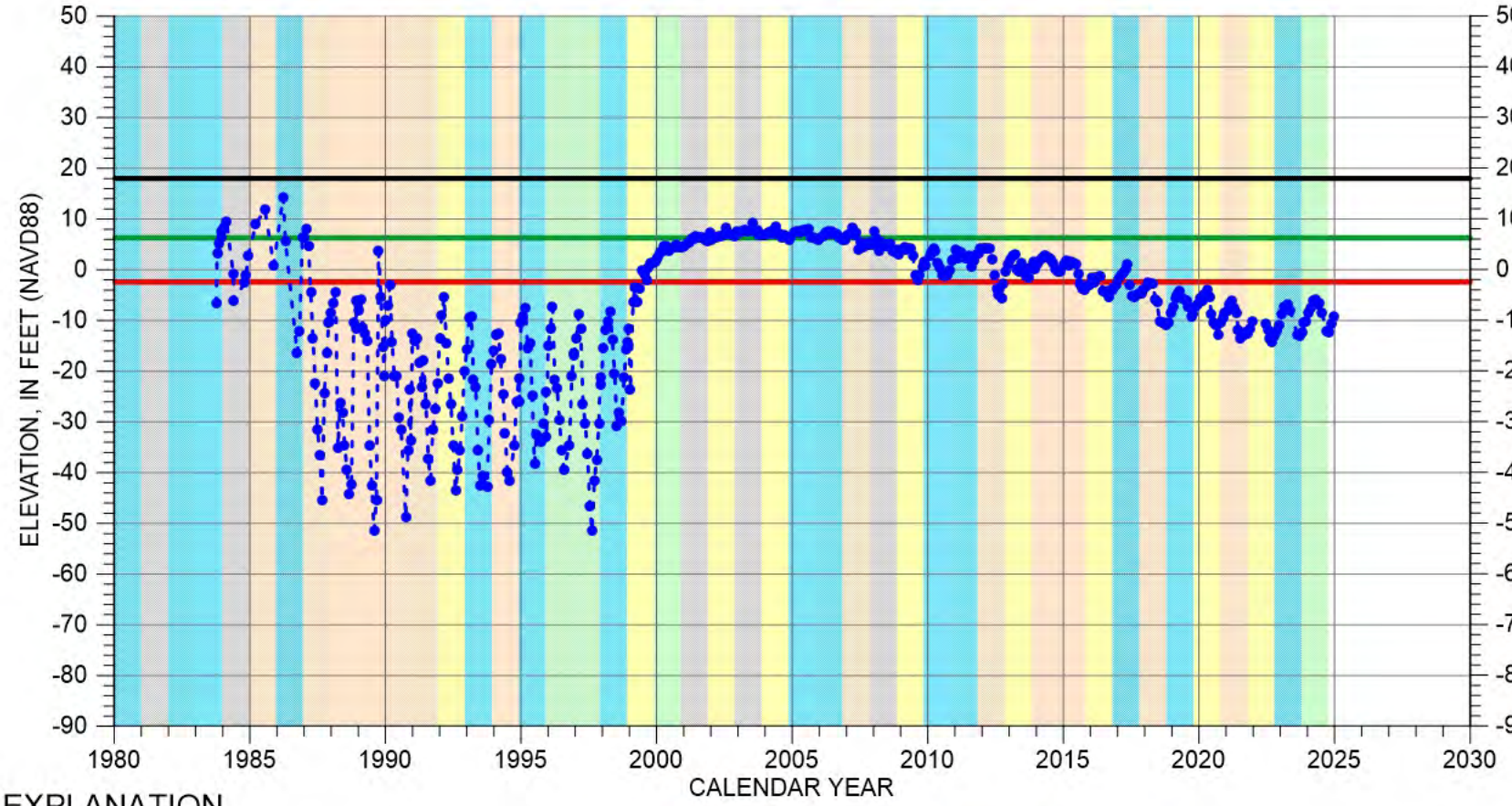
Perforated from
-1279 to -1339 feet msl

Well bottom
-1342 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\13S_01E-36J02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-19Q03

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

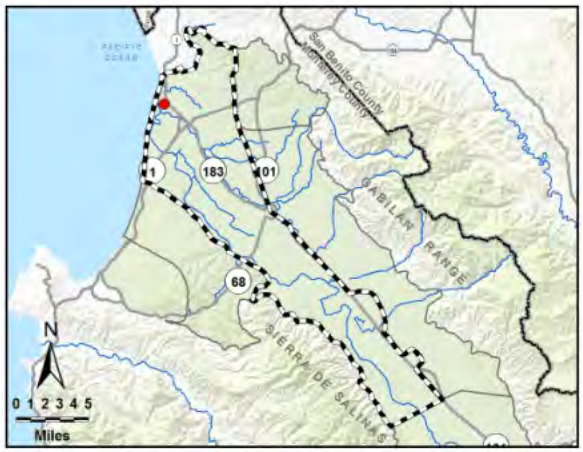


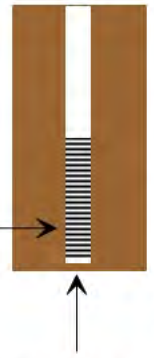
EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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





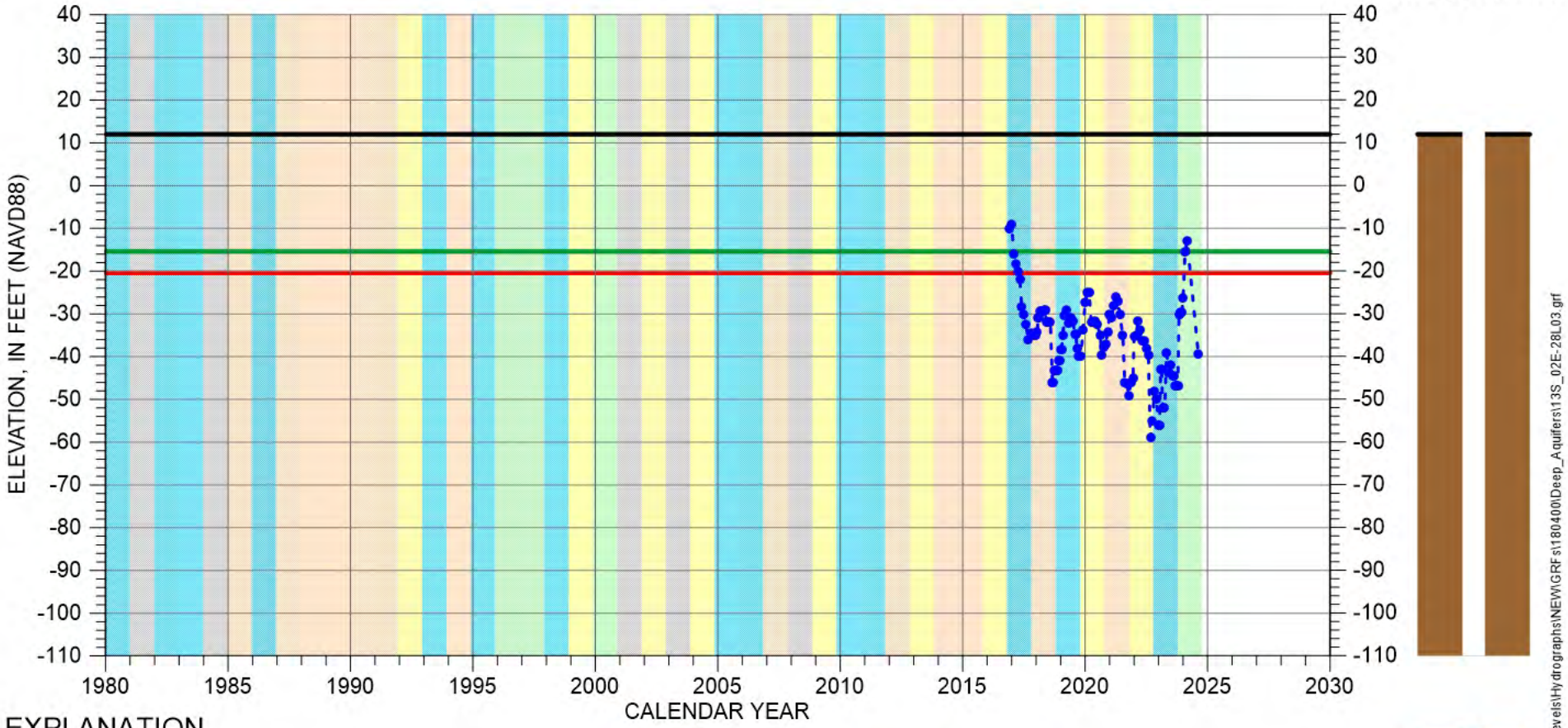
Perforated from
-1202 to -1532 feet msl

Well bottom
-1592 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\13S_02E-19Q03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-28L03

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

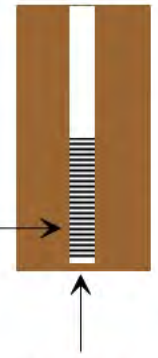


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



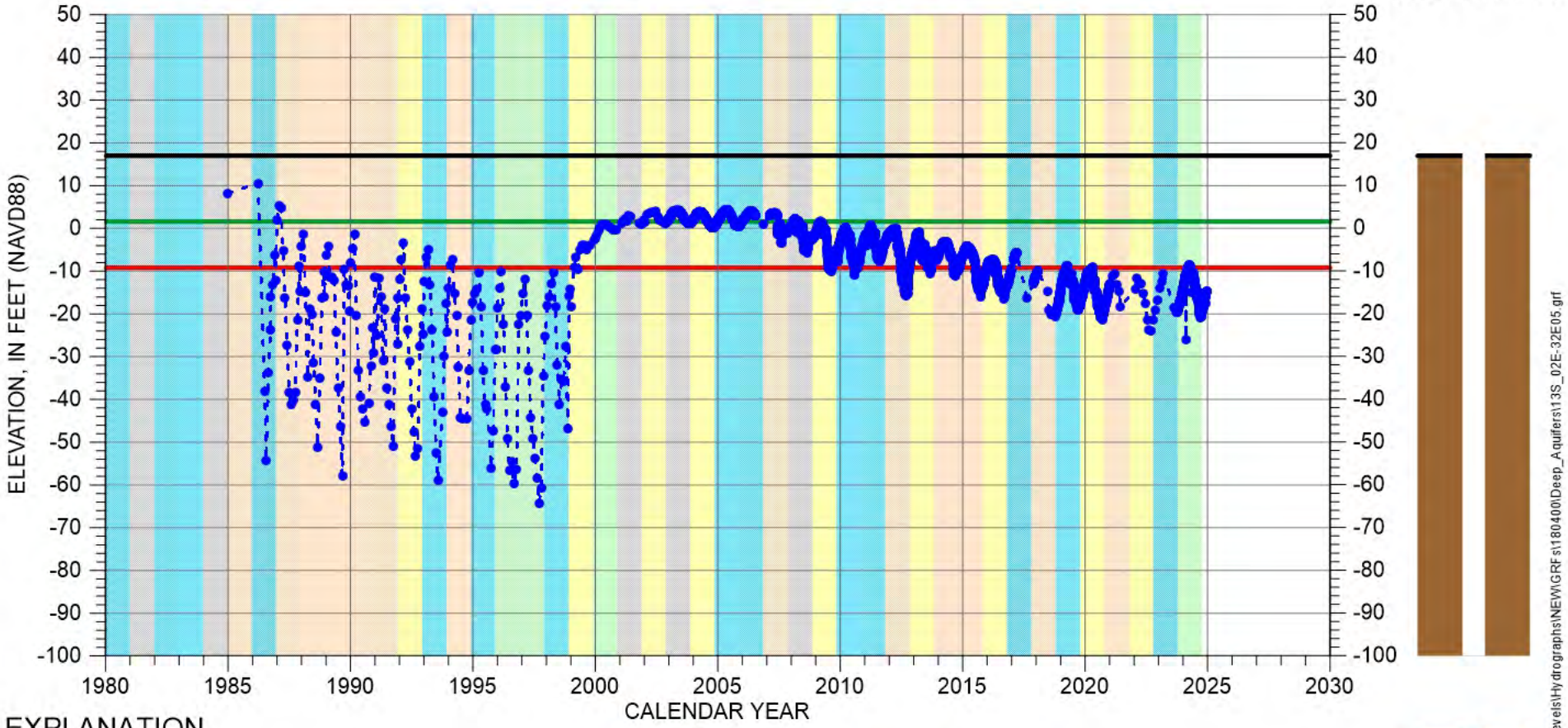
Multiple perforated intervals from -1068 to -1318 feet msl

Well bottom -1448 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\13S_02E-28L03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 13S/02E-32E05

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

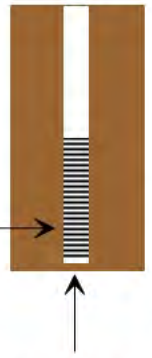


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



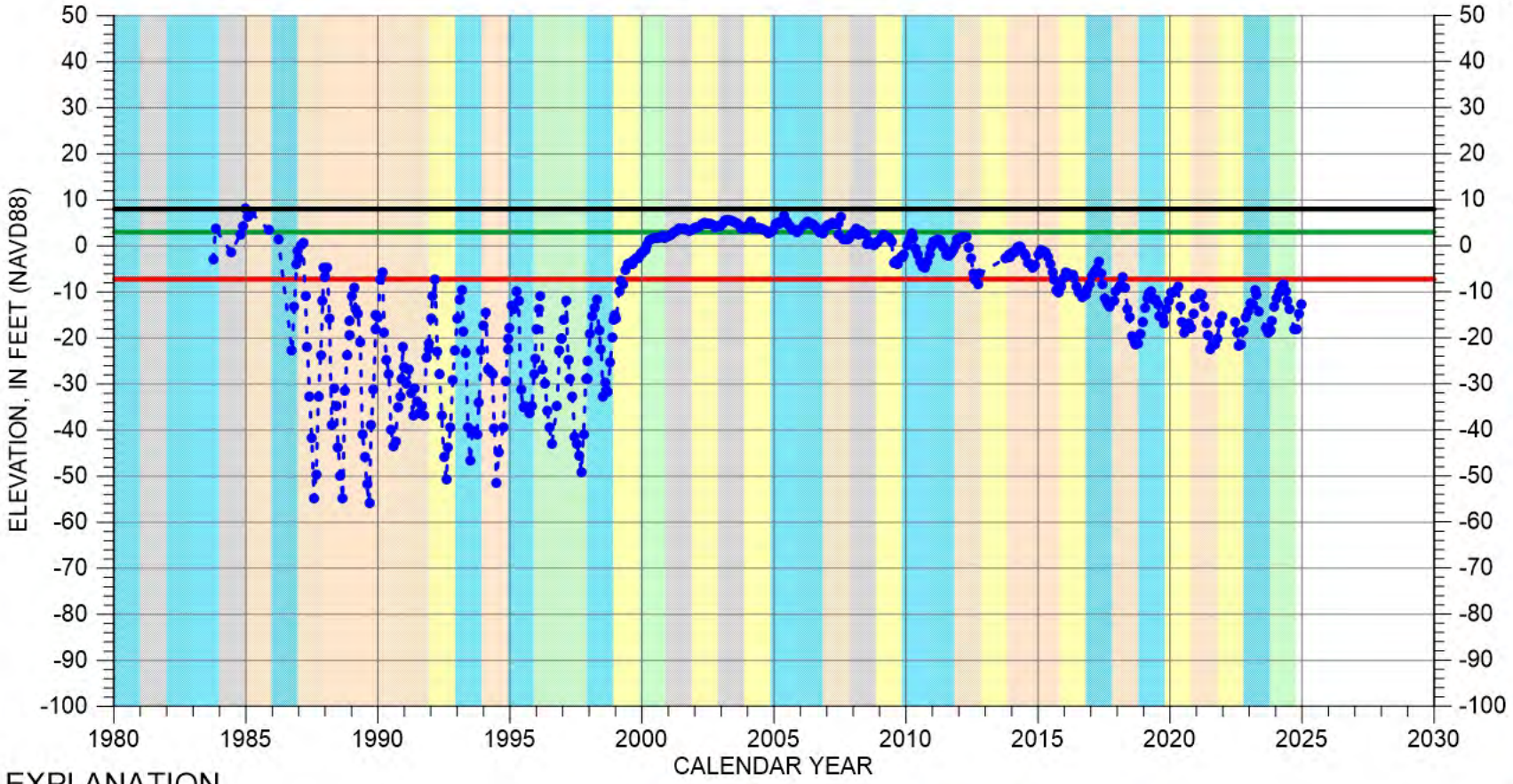
Perforated from
-758 to -1568 feet msl

Well bottom
-1588 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\13S_02E-32E05.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-06L01

180/400-Foot Aquifer Subbasin
(Deep Aquifers)



EXPLANATION

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

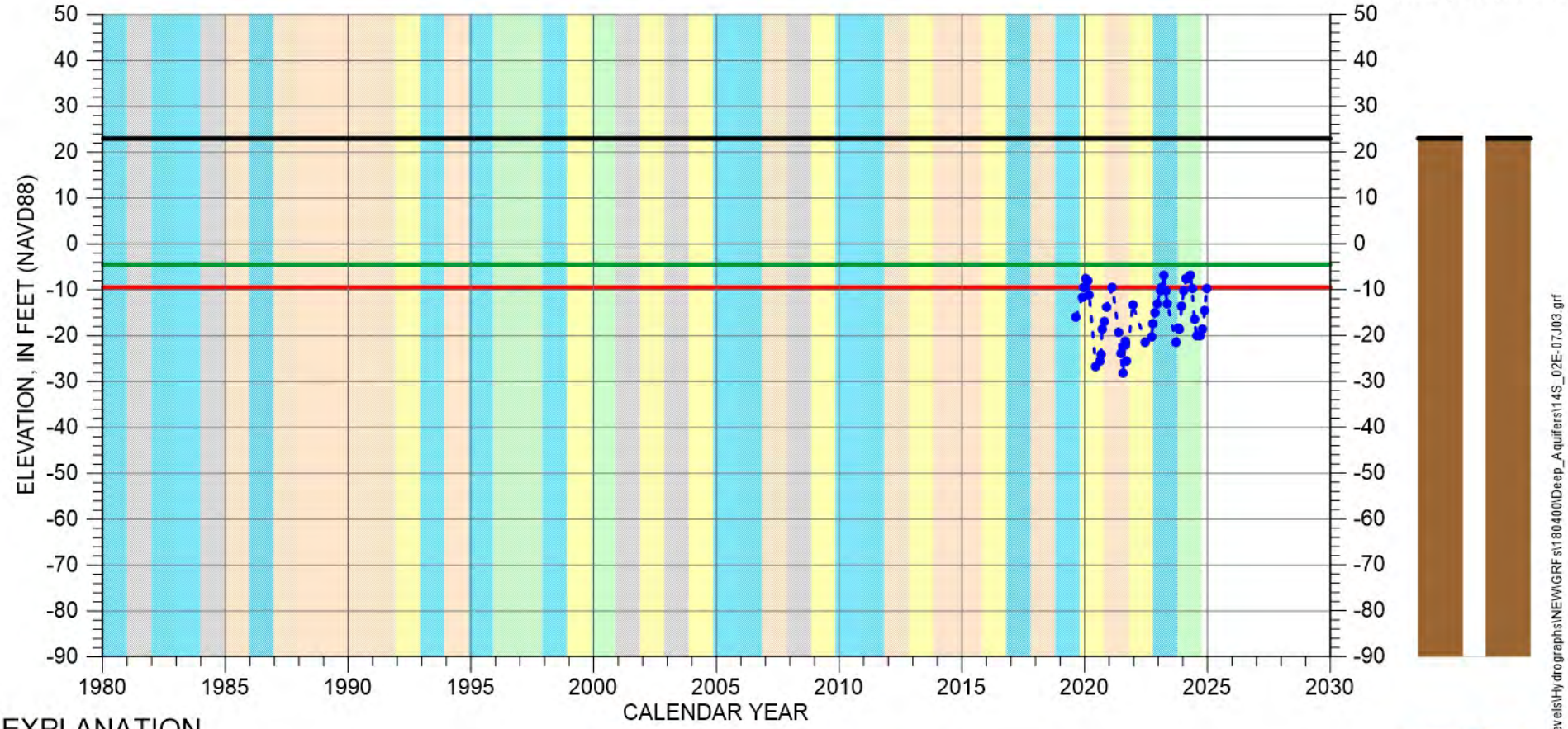
WATER YEAR TYPE DESIGNATION

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

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-06L01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-07J03

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

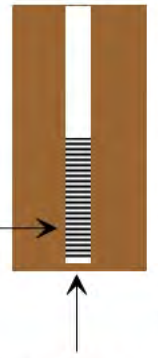


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



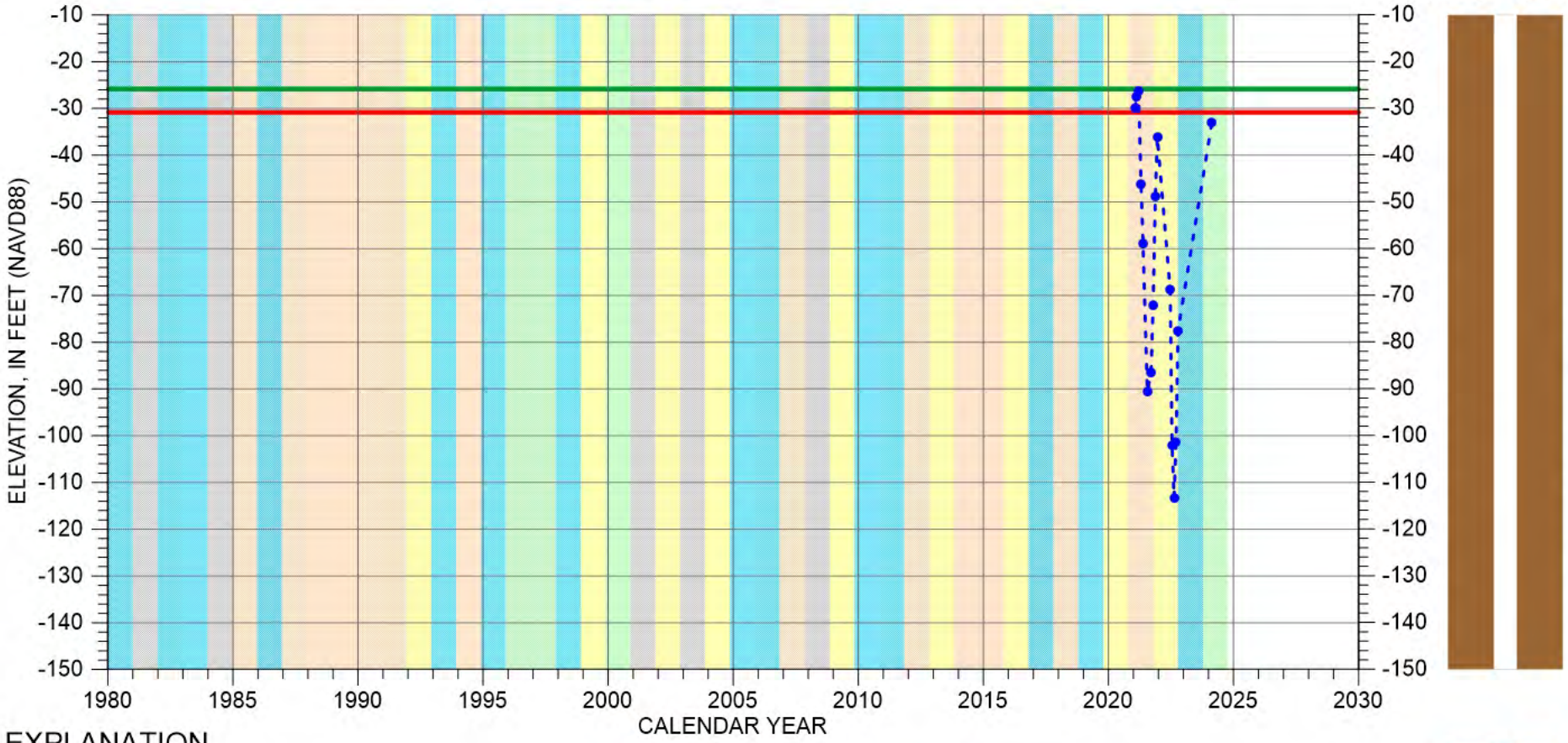
Perforated from
-1427 to -1547 feet msl

Well bottom
-1547 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-07J03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-14R02

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

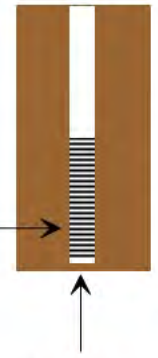


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (42 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



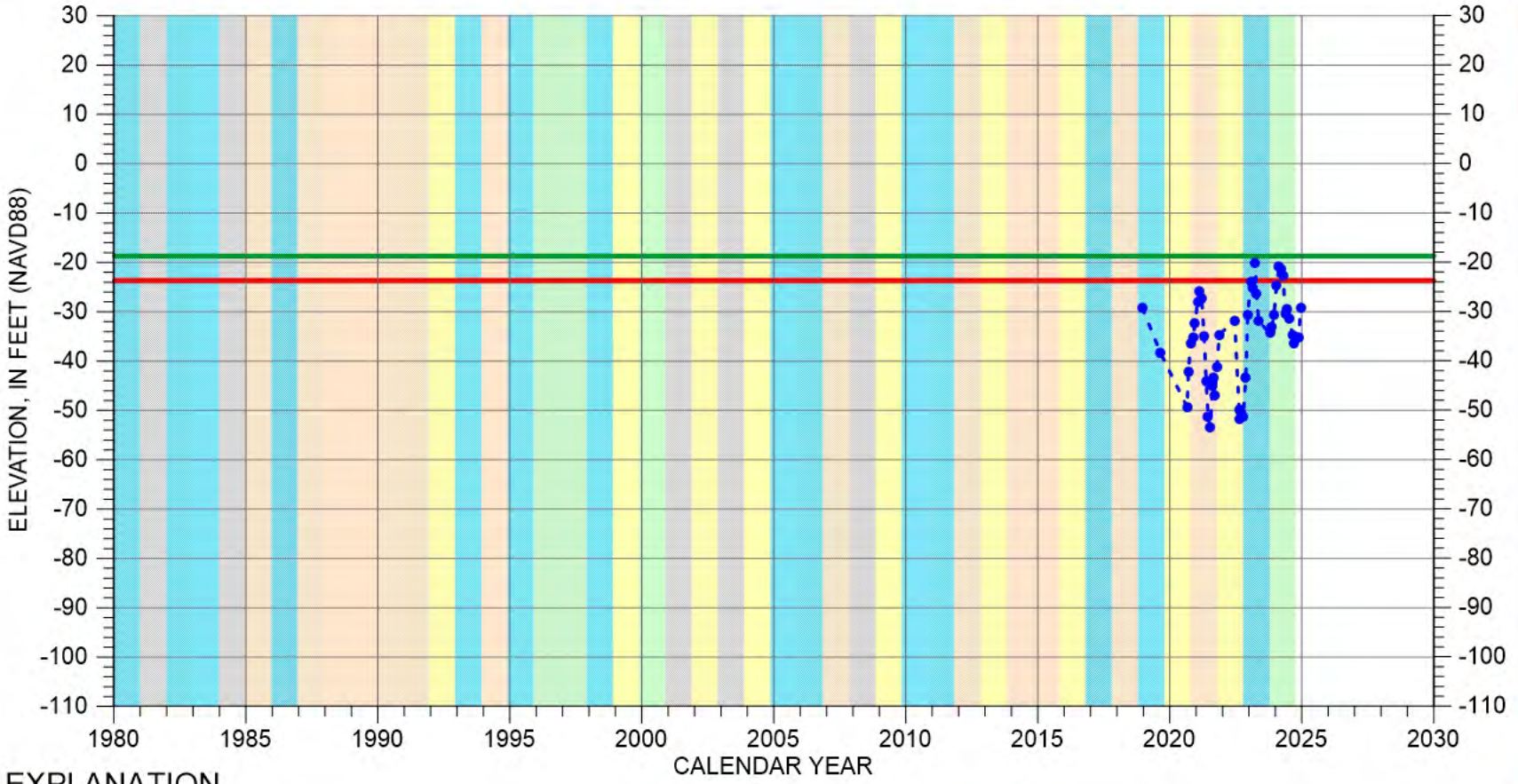
Multiple perforated intervals from -838 to -1638 feet msl

Well bottom -1648 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-14R02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-20E01

180/400-Foot Aquifer Subbasin
(Deep Aquifers)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (76 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

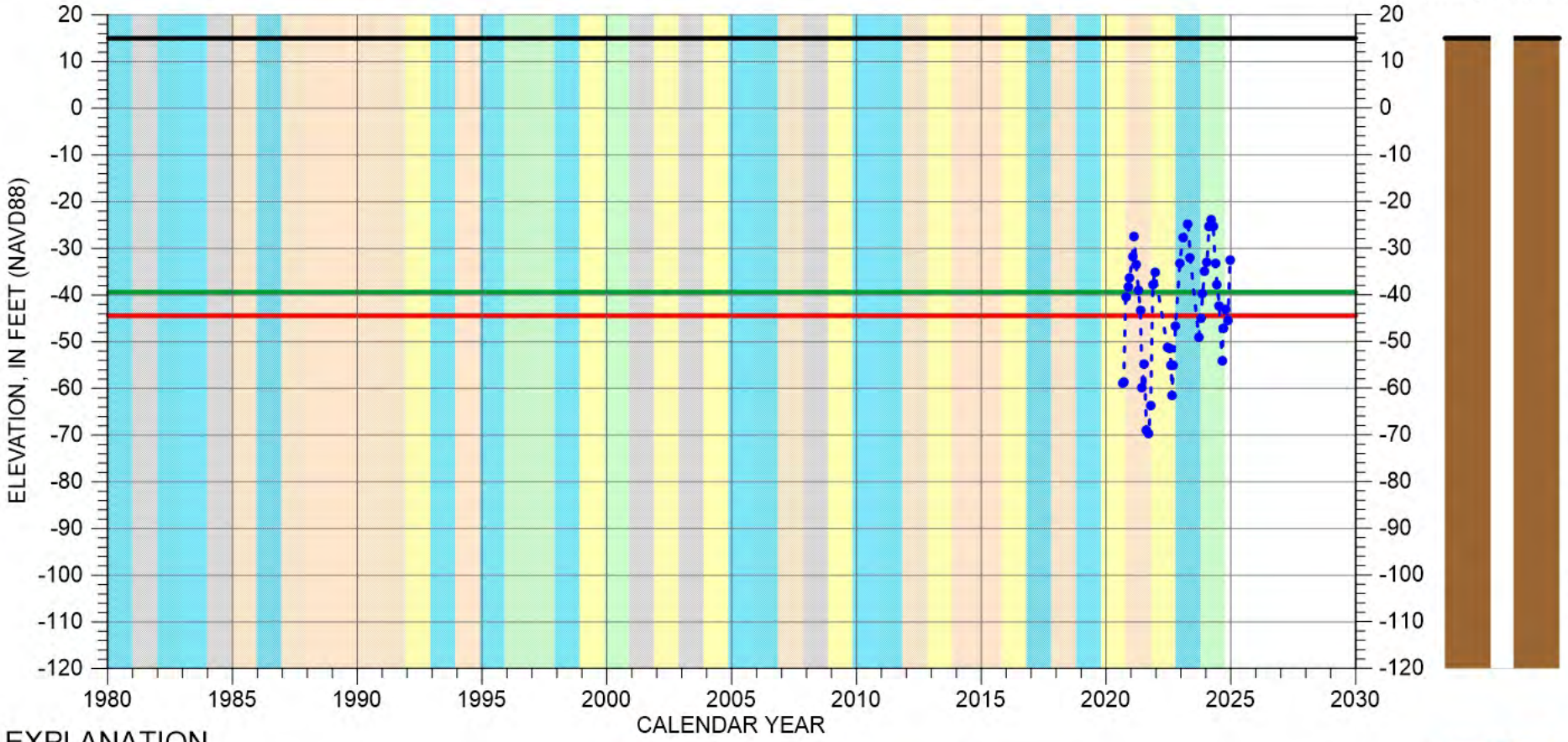
Perforated from
-1044 to -1944 feet msl

Well bottom
-1944 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-20E01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-21K04

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

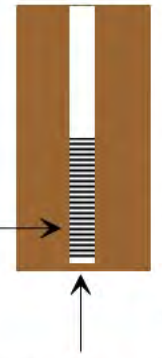


EXPLANATION

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

WATER YEAR TYPE DESIGNATION

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



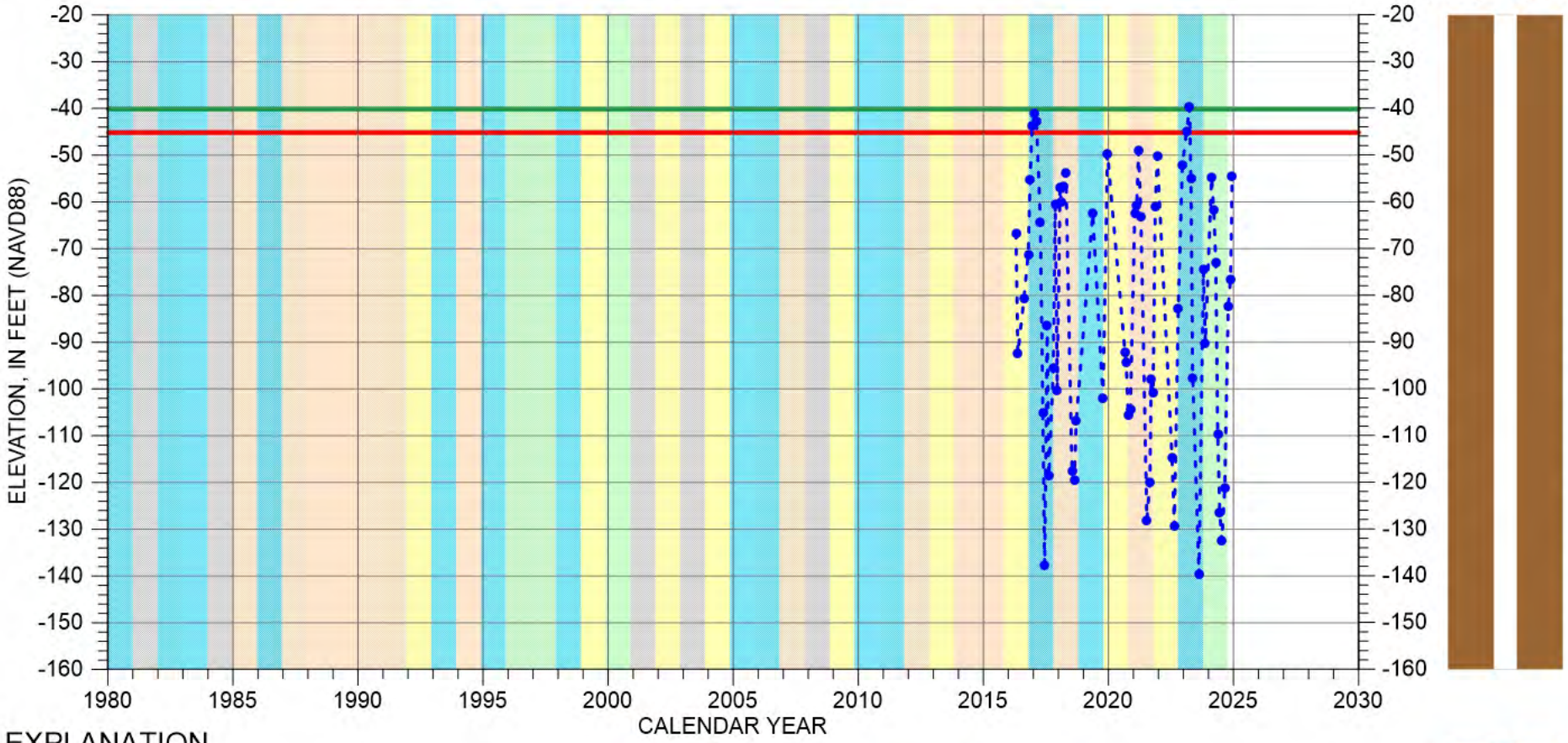
Perforated from
-1226 to -1786 feet msl

Well bottom
-1786 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-21K04.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-22A03

180/400-Foot Aquifer Subbasin
(Deep Aquifers)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (27 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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

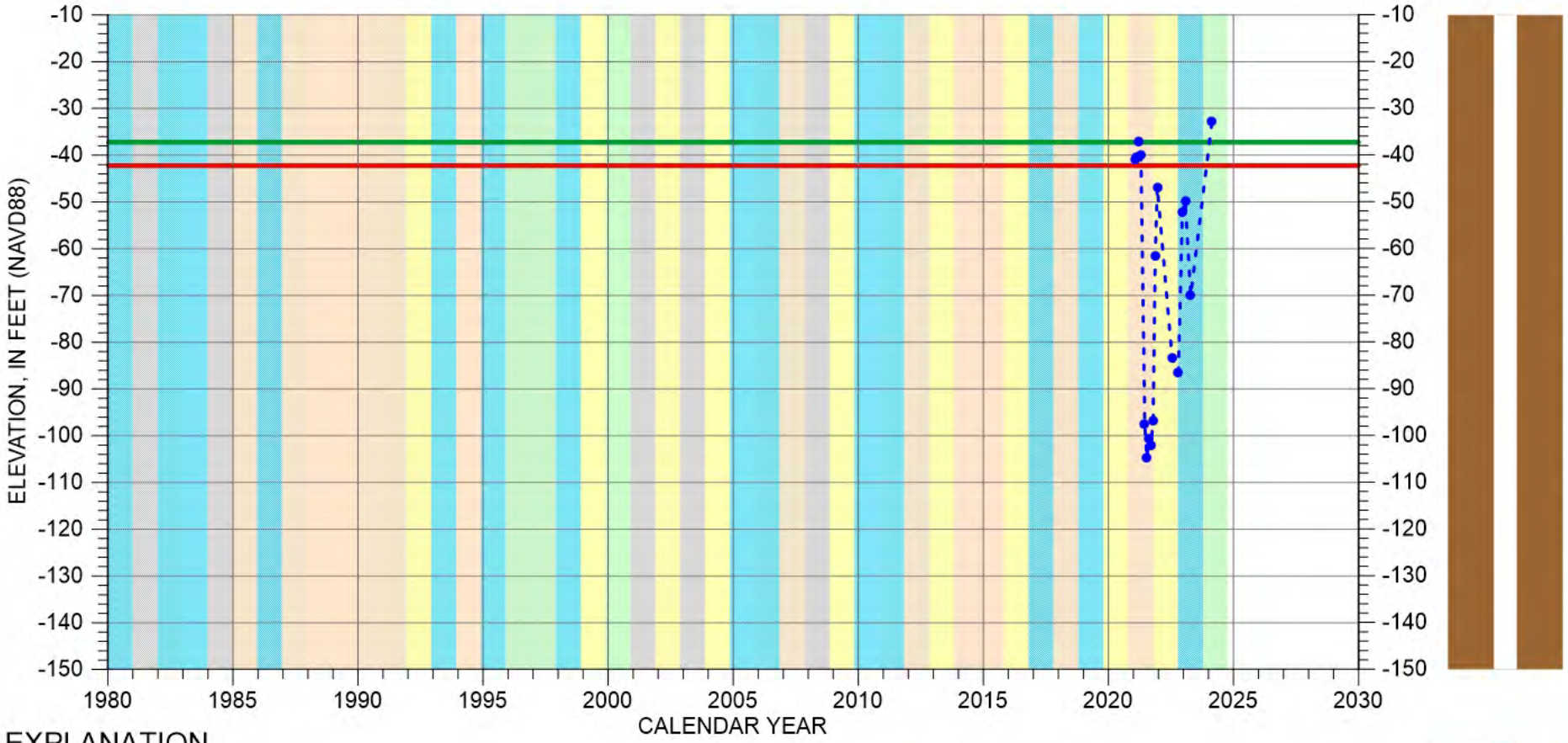
Perforated from
-953 to -1613 feet msl

Well bottom
-1613 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\1180400\Deep_Aquifers\14S_02E-22A03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-23J02

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

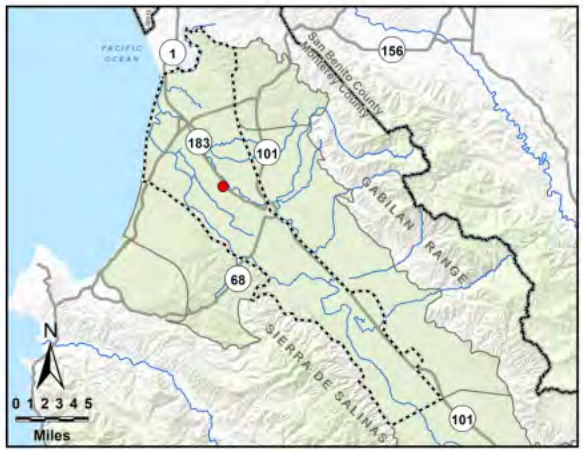


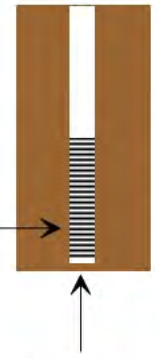
EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (36 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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





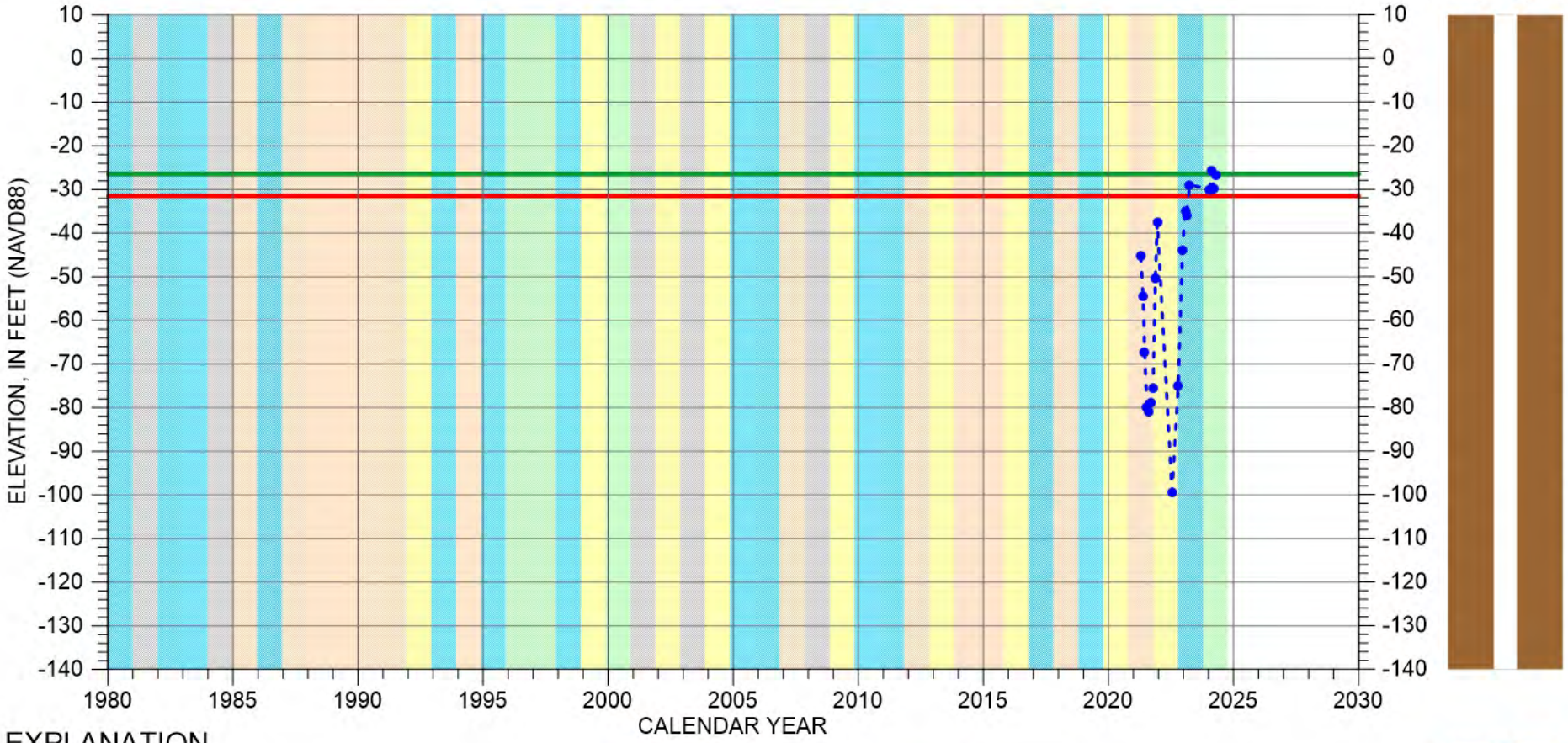
Perforated from
-815 to -1645 feet msl

Well bottom
-1655 feet msl

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-23J02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-25A03

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

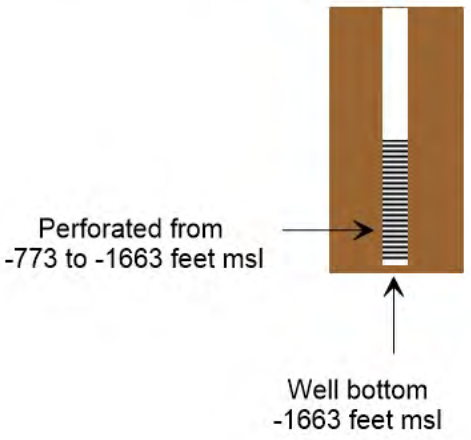


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (37 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

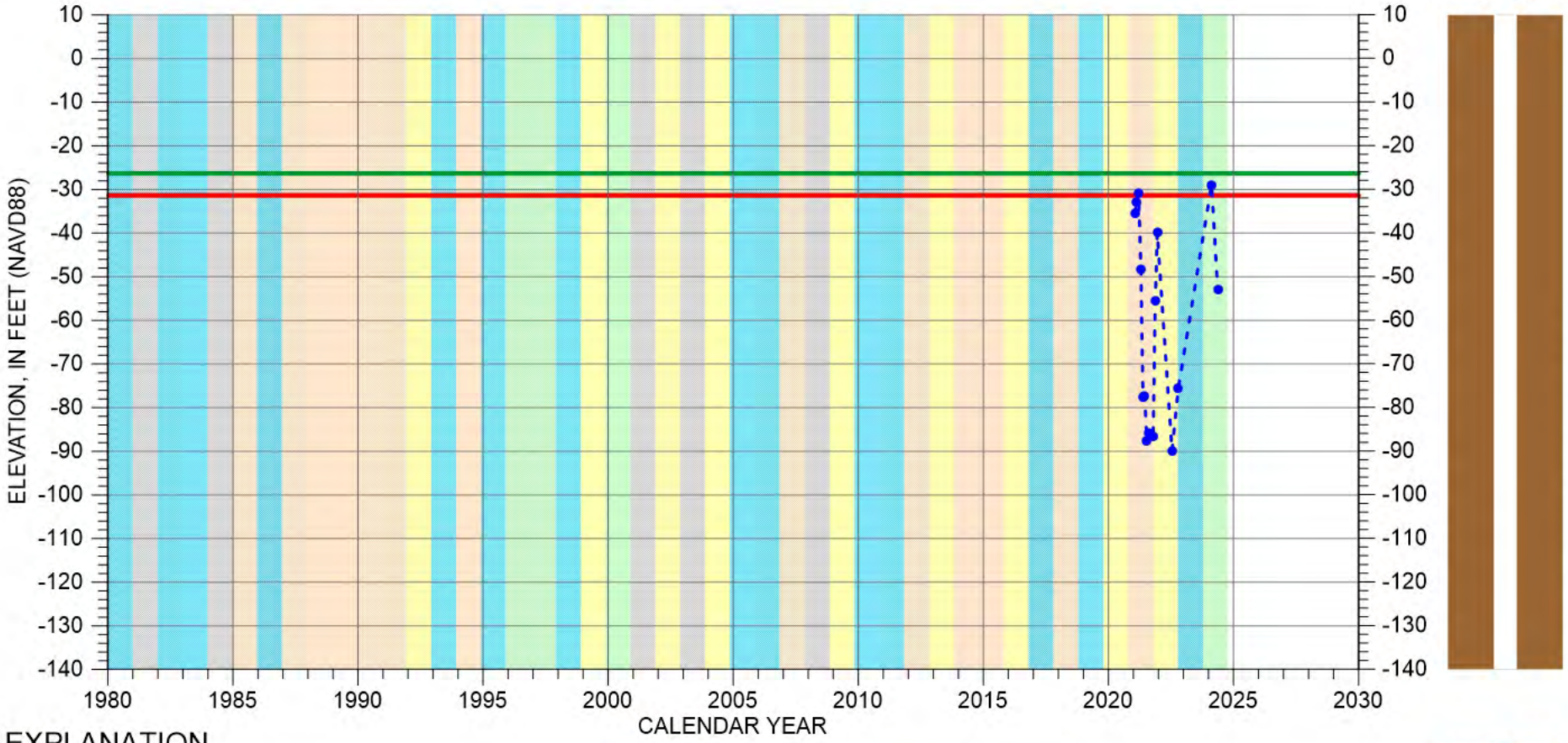
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-25A03.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-26G01

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

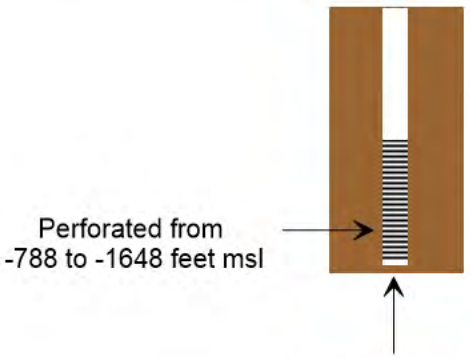


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (32 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

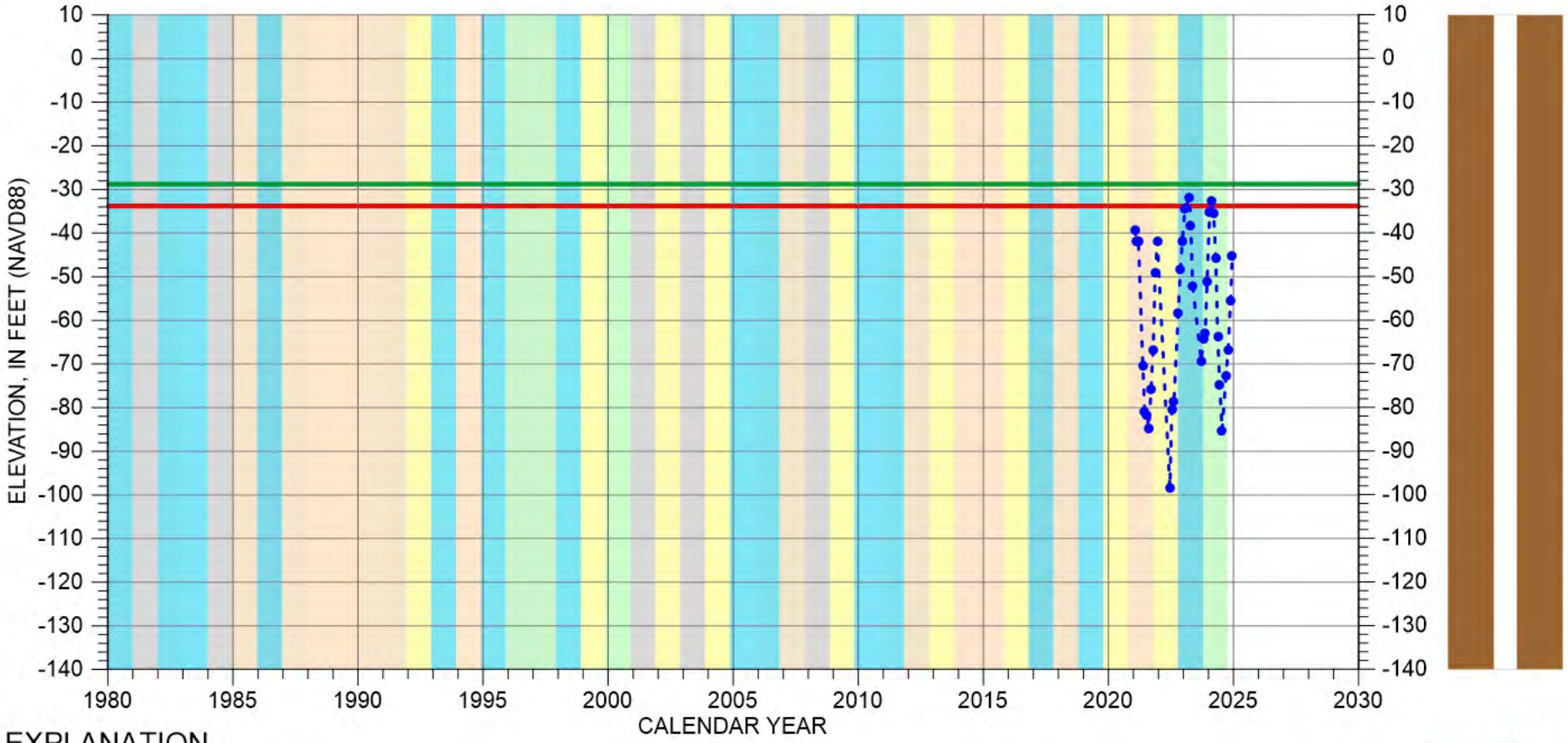
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-26G01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-27K02

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

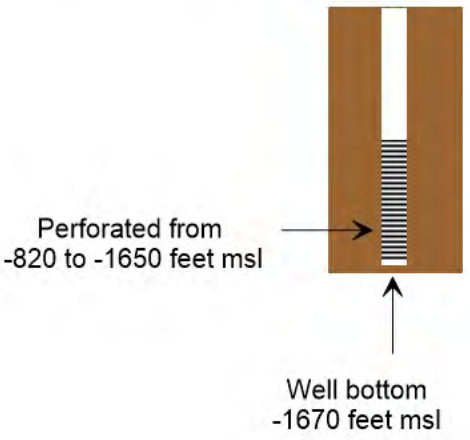


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (30 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

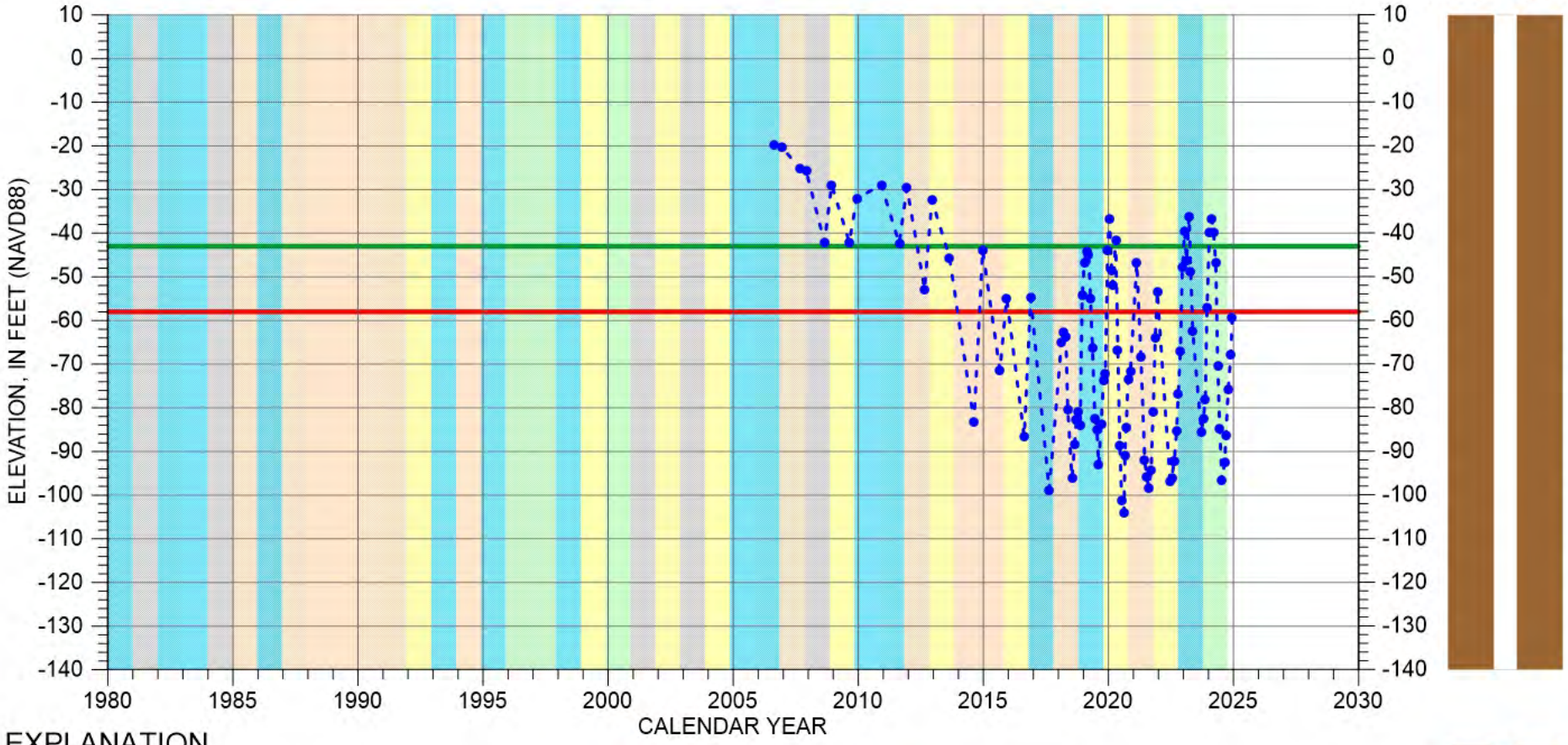
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-27K02.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-28H04

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

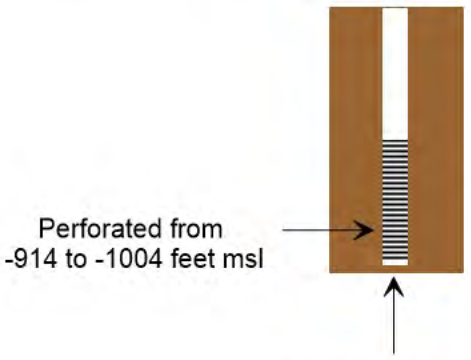


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (27 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

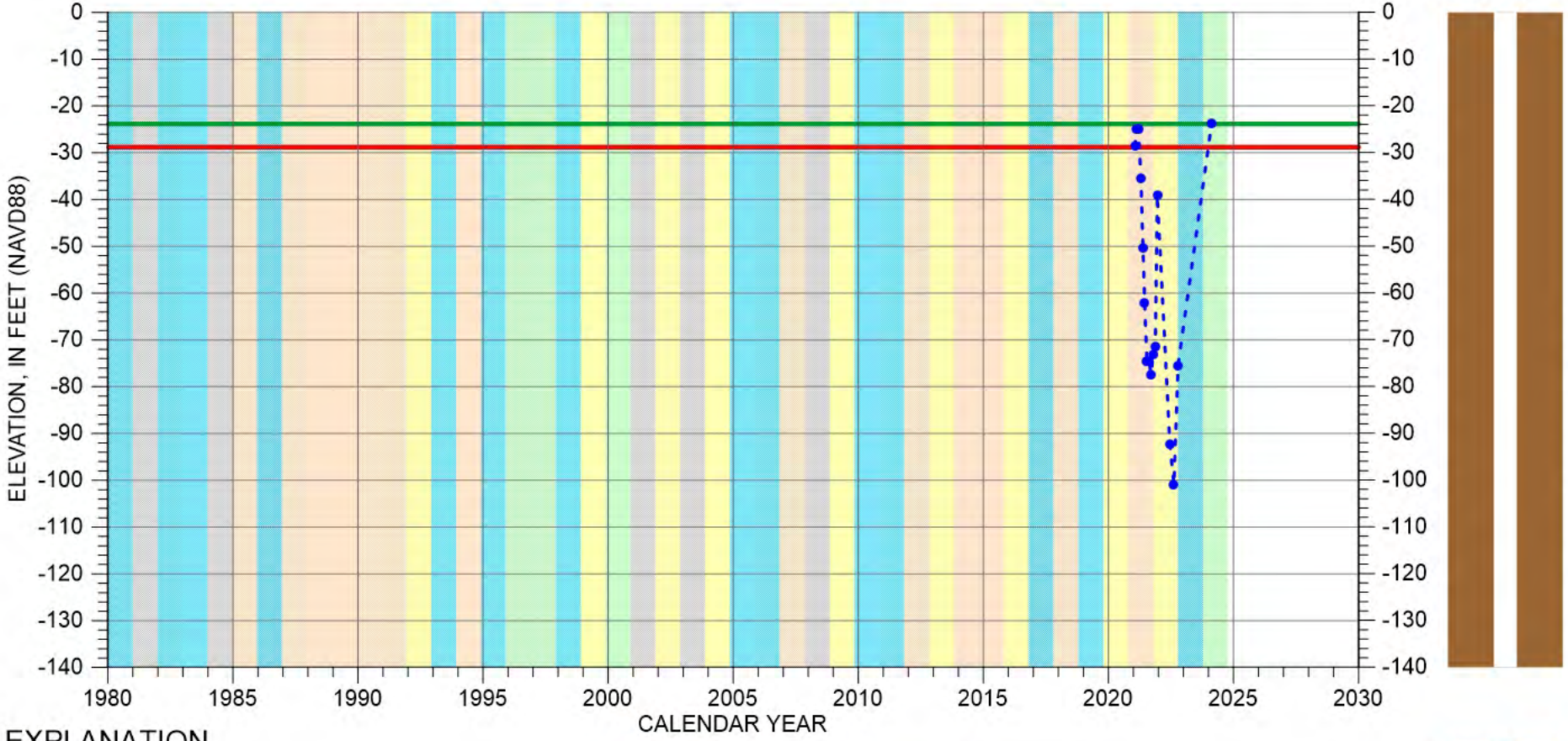
- DRY
- DRY - NORMAL
- NORMAL
- WET - NORMAL
- WET



S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-28H04.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/02E-35B01

180/400-Foot Aquifer Subbasin
(Deep Aquifers)



EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (29 FT MSL)
- Measurable Objective
- Minimum Threshold

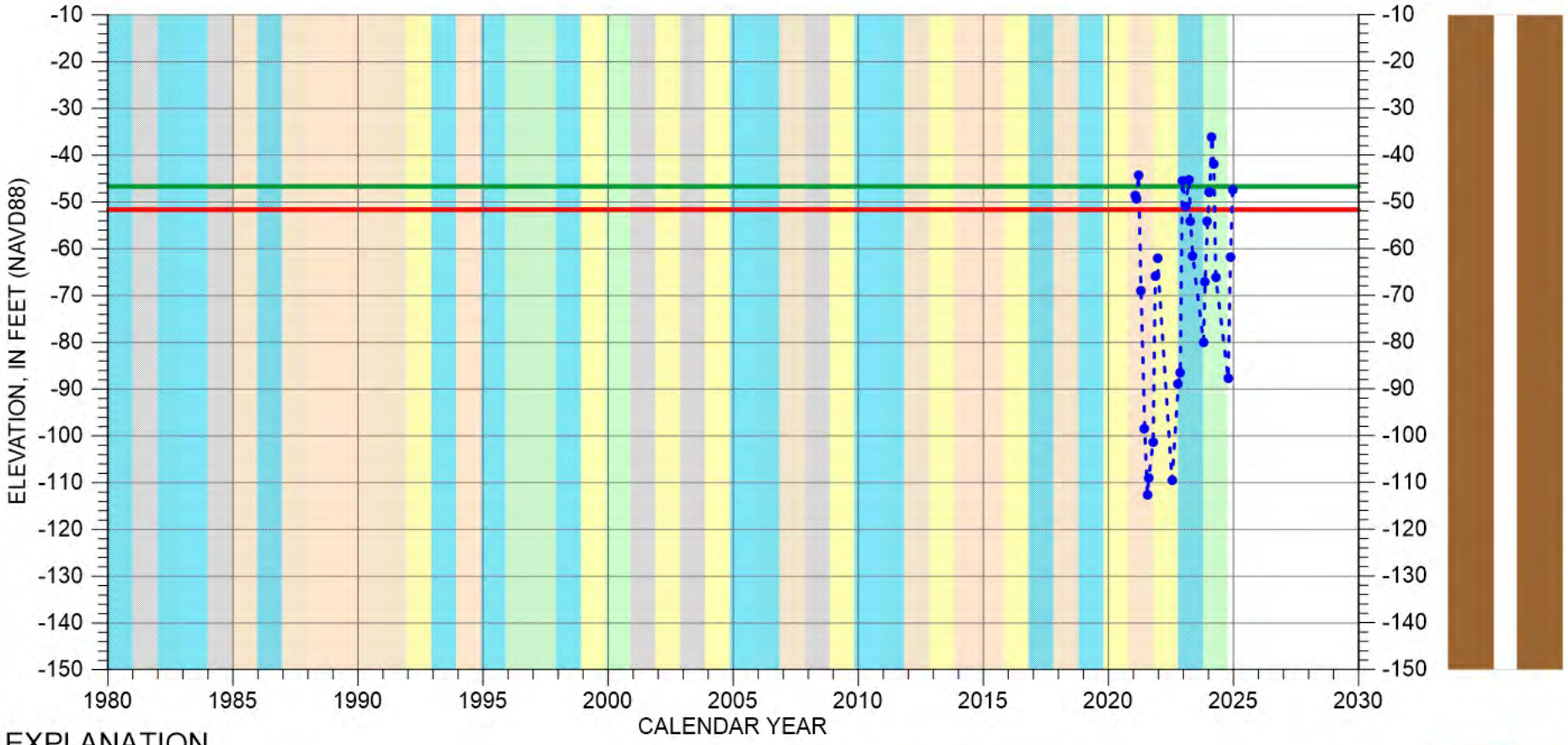
WATER YEAR TYPE DESIGNATION

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

S:\projects\9100_Salinas_GSP\ProjectData\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_02E-35B01.grf

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 14S/03E-19C01

180/400-Foot Aquifer Subbasin
(Deep Aquifers)

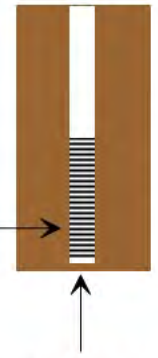


EXPLANATION

- Groundwater Elevation
- Suspect Measurement
- Land Surface (67 FT MSL)
- Measurable Objective
- Minimum Threshold

WATER YEAR TYPE DESIGNATION

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



Perforated from
-767 to -1657 feet msl

Well bottom
-1657 feet msl

S:\projects\9100_Salinas_GSP\Project\Data\Analysis\water_levels\Hydrographs\NEW\GRFs\180400\Deep_Aquifers\14S_03E-19C01.grf

Appendix C

2024 Annual Report Groundwater Quality 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
AGL020000548-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	1552	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020000548-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	8.4	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020000702-CCGC_0057	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	13.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020000702-CCGC_0057	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	1104	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020000969-VOSTI DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	1.7	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020000969-VOSTI DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	911	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020000972-BROOMEDOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	63.9	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020000972-BROOMEDOM	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	2474	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020000975-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020000975-DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	2047	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020000977-DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-29 00:00:00	6109	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020000977-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-29 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020001239-DW	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-26 00:00:00	8.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020001239-DW	ILRP DOMESTIC	Specific Conductivity	2024-04-26 00:00:00	1784	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020002102-DOM_BERTEL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	48.1	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020002102-DOM_BERTEL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	3168	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020002823-CCGC_0047	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	607	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002823-CCGC_0047	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020002825-CCGC_0046	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020002825-CCGC_0046	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	533	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002878-R6_YARD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-12 00:00:00	2.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020002878-R6_YARD	ILRP DOMESTIC	Specific Conductivity	2024-04-12 00:00:00	1045	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002878-R6_YARD2	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-12 00:00:00	7.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020002878-R6_YARD2	ILRP DOMESTIC	Specific Conductivity	2024-04-12 00:00:00	722	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002886-R12_W13	ILRP DOMESTIC	Specific Conductivity	2024-09-23 00:00:00	1892	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020002886-R12_W13	ILRP DOMESTIC	Total Dissolved Solids	2024-09-23 00:00:00	1320	MG/L		1000	FALSE	TRUE	FALSE	CCRWQCB
AGL020002886-R12_W13	ILRP DOMESTIC	Nitrate+Nitrite	2024-09-23 00:00:00	1.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020002893-R17_MYARD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-23 00:00:00	23.6	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020002893-R17_MYARD	ILRP DOMESTIC	Specific Conductivity	2024-04-23 00:00:00	1287	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020002897-R19 WD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-19 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020002897-R19 WD	ILRP DOMESTIC	Specific Conductivity	2024-04-19 00:00:00	1802	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020003051-AF01-01DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020003051-AF01-01DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	1038	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003051-AF1-1	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003051-AF1-1	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	618	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003051-AF1-1	ILRP DOMESTIC	Total Dissolved Solids	2024-05-01 00:00:00	386	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020003818-CCGC_0111	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020003818-CCGC_0111	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	992	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003867-CCGC_0145	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-08 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020003867-CCGC_0145	ILRP DOMESTIC	Specific Conductivity	2024-04-08 00:00:00	978	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003916-CCGC_0146	ILRP DOMESTIC	Specific Conductivity	2024-04-09 00:00:00	1041	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020003916-CCGC_0146	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-09 00:00:00	13	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004048-PASCO DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	10	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004048-PASCO DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	1825	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004052-SCHWEEN_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004052-SCHWEEN_D	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	1049	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004069-YUKI_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-07 00:00:00	64.7	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004069-YUKI_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	2216	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004156-JUANITA 14	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	21.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004156-JUANITA 14	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	1707	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004178-B-DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-22 00:00:00	1315	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
AGL020004178-B-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-22 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004198-T-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-28 00:00:00	31.5	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004198-T-DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-28 00:00:00	1945	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004282-MUSANTE 17	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-01 00:00:00	52	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004282-MUSANTE 17	ILRP DOMESTIC	Specific Conductivity	2024-05-01 00:00:00	2172	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004355-DAVIS_DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-28 00:00:00	1337	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004355-DAVIS_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-28 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004375-CCGC_0054	ILRP DOMESTIC	Specific Conductivity	2024-05-14 00:00:00	2032	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004375-CCGC_0054	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-14 00:00:00	28.6	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004461-LEON_RIVER	ILRP DOMESTIC	Specific Conductivity	2024-03-22 00:00:00	714	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004461-LEON_RIVER	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-22 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004578-CCGC_0068	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-19 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004578-CCGC_0068	ILRP DOMESTIC	Specific Conductivity	2024-04-19 00:00:00	1790	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004630-TAPORTER_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004630-TAPORTER_D	ILRP DOMESTIC	Specific Conductivity	2024-05-07 00:00:00	1784	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020004833-DM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-08 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020004833-DM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-08 00:00:00	1117	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004968-DM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-08 00:00:00	660	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020004968-DM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-08 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020004986-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	68.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020004986-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-10 00:00:00	2491	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020005012-DOM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-08 00:00:00	71.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020005012-DOM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-08 00:00:00	2489	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020005403-CCGC_0023	ILRP DOMESTIC	Total Dissolved Solids	2024-04-25 00:00:00	414	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020005403-CCGC_0023	ILRP DOMESTIC	Specific Conductivity	2024-04-25 00:00:00	691	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020005403-CCGC_0023	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-25 00:00:00	1.3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020007547-B24 HOUSE	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	52	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007547-B24 HOUSE	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	2633	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007547-OFFBOR_QVF	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	1441	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020007547-OFFBOR_QVF	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	26	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007548-SANJON_DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	2913	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020007548-SANJON_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020007552-SCH HOUSE	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	55	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020007552-SCH HOUSE	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	3068	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020008554-WELL 20	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-21 00:00:00	1.3	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020008554-WELL 20	ILRP DOMESTIC	Specific Conductivity	2024-05-21 00:00:00	827	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011542-NIEL_SOUTH	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	1175	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011542-NIEL_SOUTH	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	2.8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020011562-DOM_NIELSE	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	20.2	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011562-DOM_NIELSE	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	1888	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020011569-DOM_SANJON	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	1583	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011569-DOM_SANJON	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	46.3	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020011575-DOM_M_HILL	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	1280	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011575-DOM_M_HILL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020011582-DOM_PRESTO	ILRP DOMESTIC	Specific Conductivity	2024-05-03 00:00:00	534	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020011582-DOM_PRESTO	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-03 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020013402-WELL_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	776	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020013402-WELL_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	1.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020013402-WELL_DOMR	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	26	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020013402-WELL_DOMR	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	1077	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020013404-WELL_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	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
AGL020013404-WELL_DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	485	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020013410-NEWDOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	1154	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020013410-NEWDOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	5.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020013485-DW	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-26 00:00:00	26.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020013485-DW	ILRP DOMESTIC	Specific Conductivity	2024-04-26 00:00:00	2639	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020013486-DW	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-26 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020013486-DW	ILRP DOMESTIC	Specific Conductivity	2024-04-26 00:00:00	3903	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020015622-DELMONTE_JEF	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-10 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020015622-DELMONTE_JEF	ILRP DOMESTIC	Specific Conductivity	2024-04-10 00:00:00	577	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020017742-DM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-08 00:00:00	30	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020017742-DM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-08 00:00:00	1900	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020019642-MARV-TER_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-28 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020019642-MARV-TER_D	ILRP DOMESTIC	Specific Conductivity	2024-03-28 00:00:00	4800	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020021382-FOW D1	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-10 00:00:00	4.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020021382-FOW D1	ILRP DOMESTIC	Specific Conductivity	2024-05-10 00:00:00	993	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020027970-CHULAR DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-12 00:00:00	866	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020027970-CHULAR DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-12 00:00:00	1.8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020033226-WILLS DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	4571	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020033226-WILLS DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020035697-BIANCO DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-17 00:00:00	72.7	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020035697-BIANCO DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-17 00:00:00	2389	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020035698-HEESS DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-17 00:00:00	44.4	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020035698-HEESS DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-17 00:00:00	1664	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020035765-NUTBLAN_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-19 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020035765-NUTBLAN_D	ILRP DOMESTIC	Specific Conductivity	2024-04-19 00:00:00	1034	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035765-NUTTORO_D	ILRP DOMESTIC	Specific Conductivity	2024-04-19 00:00:00	1506	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035765-NUTTORO_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-19 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020035858-CCGC_0651	ILRP DOMESTIC	Nitrate+Nitrite	2024-06-07 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020035858-CCGC_0651	ILRP DOMESTIC	Specific Conductivity	2024-06-07 00:00:00	902	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035860-CCGC_0544	ILRP DOMESTIC	Nitrate+Nitrite	2024-06-07 00:00:00	75.3	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020035860-CCGC_0544	ILRP DOMESTIC	Specific Conductivity	2024-06-07 00:00:00	4464	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020035863-DOM_QB	ILRP DOMESTIC	Specific Conductivity	2024-06-07 00:00:00	822	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020035863-DOM_QB	ILRP DOMESTIC	Nitrate+Nitrite	2024-06-07 00:00:00	6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020035996-WELL262	ILRP DOMESTIC	Specific Conductivity	2024-06-14 00:00:00	4505	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020035996-WELL262	ILRP DOMESTIC	Nitrate+Nitrite	2024-06-14 00:00:00	72.8	MG/L	10		TRUE	FALSE	FALSE	CCRWQCB
AGL020036240-PED-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-17 00:00:00	6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020036240-PED-DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-17 00:00:00	1204	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020036905-R-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-26 00:00:00	5.9	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020036905-R-DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-26 00:00:00	1108	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020036974-HOME DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020036974-HOME DOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	1290	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020036974-HOME DOM	ILRP DOMESTIC	Total Dissolved Solids	2024-05-15 00:00:00	804	MG/L		1000	FALSE	FALSE	FALSE	CCRWQCB
AGL020036976-MACHADODOM	ILRP DOMESTIC	Specific Conductivity	2024-05-15 00:00:00	957	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020036976-MACHADODOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-15 00:00:00	1.8	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020037032-DESANTEDOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-08 00:00:00	0.4	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020037032-DESANTEDOM	ILRP DOMESTIC	Specific Conductivity	2024-05-08 00:00:00	1039	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020037860-4-DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-22 00:00:00	3.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020037860-4-DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-22 00:00:00	2133	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020038159-DM WELL	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-08 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020038159-DM WELL	ILRP DOMESTIC	Specific Conductivity	2024-05-08 00:00:00	4598	UMHOS/CM		1600	FALSE	TRUE	FALSE	CCRWQCB
AGL020038571-20845_BV_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-23 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	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
AGL020038571-20845_BV_D	ILRP DOMESTIC	Specific Conductivity	2024-04-23 00:00:00	779	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020038571-20985_95BV	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-23 00:00:00	1.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020038571-20985_95BV	ILRP DOMESTIC	Specific Conductivity	2024-04-23 00:00:00	939	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020038571-9193COREYD	ILRP DOMESTIC	Specific Conductivity	2024-04-25 00:00:00	788	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020038571-9193COREYD	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-25 00:00:00	2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020038573-FLEWEL_D	ILRP DOMESTIC	Specific Conductivity	2024-04-25 00:00:00	1085	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020038573-FLEWEL_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-25 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020039080-POZZI_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-05-02 00:00:00	1.9	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020039080-POZZI_D	ILRP DOMESTIC	Specific Conductivity	2024-05-02 00:00:00	894	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020039237-BV_DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-27 00:00:00	894	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020039237-BV_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-27 00:00:00	7.1	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020039250-PEDRAZZI_D	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	2.2	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020039250-PEDRAZZI_D	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	915	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020039251-HICK DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-24 00:00:00	2.4	MG/L	10		FALSE	FALSE	FALSE	CCRWQCB
AGL020039251-HICK DOM	ILRP DOMESTIC	Specific Conductivity	2024-04-24 00:00:00	760	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020039277-BALEST_DOM	ILRP DOMESTIC	Specific Conductivity	2024-03-27 00:00:00	1033	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020039277-BALEST_DOM	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-27 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
CA2700541_003_003	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-09-11 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2700541_003_003	DDW MUNICIPAL	Gross Alpha radioactivity	2024-05-06 00:00:00	2.22	pCi/L	15		FALSE	FALSE	TRUE	DDW
CA2700541_003_003	DDW MUNICIPAL	Nitrate as N	2024-09-11 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700547_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-04-15 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2700547_001_001	DDW MUNICIPAL	Perchlorate	2024-09-19 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2700547_001_001	DDW MUNICIPAL	Nitrate as N	2024-04-15 00:00:00	0.79	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700548_001_001	DDW MUNICIPAL	Simazine	2024-09-10 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-08 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Dalapon	2024-08-08 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-08 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Dinoseb	2024-08-08 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Diquat	2024-08-08 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Ethylbenzene	2024-08-08 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-08 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-02 00:00:00	0.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700548_001_001	DDW MUNICIPAL	Chlorobenzene	2024-08-08 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-08 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Picloram	2024-08-08 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-08 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Toluene	2024-08-08 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-08 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-08 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-08 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-08-08 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-08-08 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Oxamyl	2024-08-08 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-08 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Styrene	2024-08-08 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-08-08 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-08 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-08 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-08 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-08 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-08-08 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
CA2700548_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-08-08 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-08 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-08 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-08 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-08 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Alachlor	2024-09-10 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Atrazine	2024-09-10 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Bentazon	2024-08-08 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Benzene	2024-08-08 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	Carbofuran	2024-08-08 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2700548_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-08 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2700577_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-16 00:00:00	0.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Perchlorate	2024-07-15 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2700579_001_001	DDW MUNICIPAL	Silver	2024-04-09 00:00:00	5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2700579_001_001	DDW MUNICIPAL	Specific Conductivity	2024-04-09 00:00:00	346	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Sulfate	2024-04-09 00:00:00	12	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Zinc	2024-04-09 00:00:00	0.115	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Nitrate as N	2024-05-13 00:00:00	7.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Chloride	2024-04-09 00:00:00	43	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-04-09 00:00:00	250	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Iron	2024-04-09 00:00:00	155	UG/L		300	FALSE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Copper	2024-04-09 00:00:00	0.005	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2700579_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-26 00:00:00	0.32	UG/L	0.005		TRUE	FALSE	FALSE	DDW
CA2700579_001_001	DDW MUNICIPAL	Manganese	2024-04-09 00:00:00	1	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2700579_001_001	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-04-09 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2700624_001_001	DDW MUNICIPAL	Nitrate as N	2024-03-27 00:00:00	4.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700674_002_002	DDW MUNICIPAL	Nitrate as N	2024-01-30 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700674_002_002	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
CA2700674_003_003	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
CA2700674_003_003	DDW MUNICIPAL	Nitrate as N	2024-03-26 00:00:00	1.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700766_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-06-11 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2700766_001_001	DDW MUNICIPAL	Arsenic	2024-04-09 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2700766_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-04-09 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2700766_001_001	DDW MUNICIPAL	Nitrate as N	2024-02-21 00:00:00	3.8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700766_001_001	DDW MUNICIPAL	Nitrite as N	2024-02-21 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2700766_001_001	DDW MUNICIPAL	Perchlorate	2024-08-26 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2700842_002_002	DDW MUNICIPAL	Nitrate as N	2024-05-06 00:00:00	0.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700850_001_001	DDW MUNICIPAL	Nitrate as N	2024-02-06 00:00:00	1.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2700998_004_004	DDW MUNICIPAL	Nitrate as N	2024-07-21 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2701063_001_001	DDW MUNICIPAL	Nitrate as N	2024-06-07 00:00:00	85.7	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2701063_001_001	DDW MUNICIPAL	Perchlorate	2024-03-04 00:00:00	3	UG/L	6		FALSE	FALSE	FALSE	DDW
CA2701063_001_001	DDW MUNICIPAL	Specific Conductivity	2024-03-04 00:00:00	1800	UMHOS/CM		1600	FALSE	TRUE	FALSE	DDW
CA2701152_001_001	DDW MUNICIPAL	Nitrate as N	2024-09-11 00:00:00	2.3	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701152_001_001	DDW MUNICIPAL	Perchlorate	2024-08-26 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701153_001_001	DDW MUNICIPAL	Gross Alpha radioactivity	2024-03-14 00:00:00	2.79	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2701153_001_001	DDW MUNICIPAL	Nitrate as N	2024-08-19 00:00:00	8.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701202_002_002	DDW MUNICIPAL	Nitrate as N	2024-01-29 00:00:00	0.64	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701202_004_004	DDW MUNICIPAL	Nitrate as N	2024-01-29 00:00:00	0.49	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701214_002_002	DDW MUNICIPAL	Nitrate as N	2024-01-22 00:00:00	1.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701214_002_002	DDW MUNICIPAL	Perchlorate	2024-08-23 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701214_003_003	DDW MUNICIPAL	Uranium	2024-02-28 00:00:00	6.46	pCi/L	20		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
CA2701214_003_003	DDW MUNICIPAL	Cyanide (CN)	2024-06-25 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701214_003_003	DDW MUNICIPAL	Gross Alpha radioactivity	2024-02-28 00:00:00	6.22	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2701214_003_003	DDW MUNICIPAL	Nitrate as N	2024-06-25 00:00:00	6.3	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701364_001_001	DDW MUNICIPAL	Nitrate as N	2024-06-17 00:00:00	3.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701364_001_001	DDW MUNICIPAL	Nitrite as N	2024-06-17 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701364_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-09-11 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2701452_002_002	DDW MUNICIPAL	Total Dissolved Solids	2024-07-29 00:00:00	348	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2701452_002_002	DDW MUNICIPAL	Specific Conductivity	2024-07-29 00:00:00	544	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2701452_002_002	DDW MUNICIPAL	Perchlorate	2024-07-29 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701452_002_002	DDW MUNICIPAL	Chloride	2024-07-29 00:00:00	45	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701452_002_002	DDW MUNICIPAL	Nitrite as N	2024-07-29 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701452_002_002	DDW MUNICIPAL	Nitrate as N	2024-07-29 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2701452_004_004	DDW MUNICIPAL	Specific Conductivity	2024-07-29 00:00:00	513	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2701452_004_004	DDW MUNICIPAL	Total Dissolved Solids	2024-07-29 00:00:00	330	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2701452_004_004	DDW MUNICIPAL	Perchlorate	2024-07-29 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701452_004_004	DDW MUNICIPAL	Nitrite as N	2024-07-29 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701452_004_004	DDW MUNICIPAL	Nitrate as N	2024-07-29 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2701452_004_004	DDW MUNICIPAL	Chloride	2024-07-29 00:00:00	46	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Iron	2024-05-13 00:00:00	691	UG/L		300	FALSE	TRUE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-05 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Oxamyl	2024-08-05 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Picloram	2024-08-05 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Nitrite as N	2024-05-20 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Nitrate as N	2024-05-20 00:00:00	0.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Nitrite as N	2024-05-20 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Nitrate as N	2024-05-20 00:00:00	0.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Nickel	2024-05-13 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-05 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Molinate	2024-08-05 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Mercury	2024-05-13 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Specific Conductivity	2024-05-13 00:00:00	463	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-05-13 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Fluoride	2024-05-13 00:00:00	0.1	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Ethylbenzene	2024-08-05 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Diquat	2024-08-05 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Dinoseb	2024-08-05 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Manganese	2024-05-13 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Thiobencarb	2024-08-05 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-05 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Zinc	2024-05-13 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-08-05 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-08-05 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-05 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-05 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-05 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Simazine	2024-08-05 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Toluene	2024-08-05 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Aluminum	2024-05-13 00:00:00	24	UG/L	1000	200	FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Thallium	2024-05-13 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-05 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Sulfate	2024-05-13 00:00:00	9	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Styrene	2024-08-05 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Silver	2024-05-13 00:00:00	1.5	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
CA2701515_001_001	DDW MUNICIPAL	Selenium	2024-05-13 00:00:00	1.5	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-05-13 00:00:00	270	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-05 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Antimony	2024-05-13 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Arsenic	2024-05-13 00:00:00	1.6	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Alachlor	2024-08-05 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-05 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-05 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-05 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Atrazine	2024-08-05 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-05 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-05 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-05 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-05 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-08-05 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-08-05 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-05 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-05 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Chromium	2024-05-13 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-05 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Dalapon	2024-08-05 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-05-13 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-05 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-05 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Barium	2024-05-13 00:00:00	0.0405	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Chlorobenzene	2024-08-05 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Chloride	2024-05-13 00:00:00	48	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701515_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-08-05 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Cadmium	2024-05-13 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Bentazon	2024-08-05 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Copper	2024-05-13 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Beryllium	2024-05-13 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-05 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Benzene	2024-08-05 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701515_001_001	DDW MUNICIPAL	Carbofuran	2024-08-05 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2701515_005_005	DDW MUNICIPAL	Nitrate as N	2024-03-11 00:00:00	0.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701542_002_002	DDW MUNICIPAL	Nitrate as N	2024-07-09 00:00:00	30.8	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2701633_002_002	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-04-09 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2701633_002_002	DDW MUNICIPAL	Nitrate as N	2024-02-07 00:00:00	1.3	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701647_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-02 00:00:00	3.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701647_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-09-03 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Styrene	2024-01-18 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-01-18 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-01-18 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-01-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Dinoseb	2024-01-18 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Diquat	2024-01-18 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Ethylbenzene	2024-01-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Molinate	2024-01-18 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-01-18 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Oxamyl	2024-01-18 00:00:00	20	UG/L	50		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
CA2701679_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-01-18 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Simazine	2024-01-18 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-01-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Thiobencarb	2024-01-18 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-01-18 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Toluene	2024-01-18 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Dalapon	2024-01-18 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-01-18 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-01-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-01-18 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-01-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Picloram	2024-01-18 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-01-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-01-18 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-01-18 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-01-18 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-01-18 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-01-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-01-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-01-18 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-01-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-01-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Carbofuran	2024-01-18 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-01-18 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-01-18 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-01-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Chlorobenzene	2024-01-18 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Benzo(a)pyrene	2024-01-18 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Benzene	2024-01-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Bentazon	2024-01-18 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Atrazine	2024-01-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	Alachlor	2024-01-18 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701679_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-01-18 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Perchlorate	2024-07-16 00:00:00	5.5	UG/L	6		FALSE	FALSE	FALSE	DDW
CA2701683_001_001	DDW MUNICIPAL	Gross Alpha radioactivity	2024-07-16 00:00:00	2.24	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2701683_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-07-16 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-30 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701683_001_001	DDW MUNICIPAL	Nitrite as N	2024-07-16 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Ethylbenzene	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Styrene	2024-07-16 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Toluene	2024-07-16 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-07-16 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-07-16 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-07-16 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-07-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Chlorobenzene	2024-07-16 00:00:00	0.5	UG/L	70		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
CA2701683_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-07-16 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-07-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-07-16 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	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
CA2701683_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Barium	2024-07-16 00:00:00	0.084	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2701683_001_001	DDW MUNICIPAL	Benzene	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701683_001_001	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
CA2701683_002_002	DDW MUNICIPAL	Styrene	2024-07-16 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Gross Alpha radioactivity	2024-07-16 00:00:00	3.5	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-07-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Nitrate as N	2024-01-30 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701683_002_002	DDW MUNICIPAL	Nitrite as N	2024-07-16 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Perchlorate	2024-07-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Toluene	2024-07-16 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-07-16 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Trichloroethene (TCE)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-07-16 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-07-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Xylenes (Total)	2024-07-16 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Ethylbenzene	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Vinyl Chloride	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	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
CA2701683_002_002	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-07-16 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Chlorobenzene	2024-07-16 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-07-16 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Benzene	2024-07-16 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	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
CA2701683_002_002	DDW MUNICIPAL	1,3-Dichloropropene	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Carbon tetrachloride	2024-07-16 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	Barium	2024-07-16 00:00:00	0.159	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-07-16 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701683_002_002	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-07-16 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-06-04 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Oxamyl	2024-06-04 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Nitrite as N	2024-06-04 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Nickel	2024-06-04 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Mercury	2024-06-04 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Manganese	2024-06-04 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Perchlorate	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Iron	2024-06-04 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-06-04 00:00:00	0.05	MG/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
CA2701793_001_001	DDW MUNICIPAL	Fluoride	2024-06-04 00:00:00	0.3	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Picloram	2024-06-04 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Selenium	2024-06-04 00:00:00	2.2	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Simazine	2024-06-04 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Specific Conductivity	2024-06-04 00:00:00	555	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Sulfate	2024-06-04 00:00:00	86	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Thallium	2024-06-04 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Thiobencarb	2024-06-04 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-06-04 00:00:00	358	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Zinc	2024-06-04 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Diquat	2024-06-04 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Molinate	2024-06-04 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Silver	2024-06-04 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Alachlor	2024-06-04 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Nitrate as N	2024-06-04 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Dinoseb	2024-06-04 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-06-04 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Aluminum	2024-06-04 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Antimony	2024-06-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Arsenic	2024-06-04 00:00:00	1	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Atrazine	2024-06-04 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Barium	2024-06-04 00:00:00	0.0445	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	Bentazon	2024-06-04 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Benzo(a)pyrene	2024-06-04 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Beryllium	2024-06-04 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Dalapon	2024-06-04 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Cadmium	2024-06-04 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Carbofuran	2024-06-04 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-06-04 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Chloride	2024-06-04 00:00:00	26	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701793_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-06-04 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Chromium	2024-06-04 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Copper	2024-06-04 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-06-04 00:00:00	100	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-06-04 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2701793_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-06-04 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Thallium	2024-04-08 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Selenium	2024-04-08 00:00:00	5	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Nitrite as N	2024-04-08 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Nitrate as N	2024-07-15 00:00:00	7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701837_002_002	DDW MUNICIPAL	Nickel	2024-04-08 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Mercury	2024-04-08 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Fluoride	2024-04-08 00:00:00	0.05	MG/L	2		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Cyanide (CN)	2024-04-08 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Chromium	2024-04-08 00:00:00	12	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2701837_002_002	DDW MUNICIPAL	Cadmium	2024-04-08 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Beryllium	2024-04-08 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Barium	2024-04-08 00:00:00	0.16	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2701837_002_002	DDW MUNICIPAL	Arsenic	2024-04-08 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	Antimony	2024-04-08 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701837_002_002	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-06-12 00:00:00	0.005	UG/L	0.005		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
CA2701837_002_002	DDW MUNICIPAL	Aluminum	2024-04-08 00:00:00	10	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Perchlorate	2024-07-23 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Nitrite as N	2024-03-25 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Nitrate as N	2024-03-25 00:00:00	1.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Nickel	2024-03-25 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-09-03 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Mercury	2024-03-25 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Manganese	2024-03-25 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Gross Alpha radioactivity	2024-07-23 00:00:00	4.03	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Sulfate	2024-03-25 00:00:00	55	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-03-25 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Fluoride	2024-03-25 00:00:00	0.3	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Iron	2024-03-25 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Selenium	2024-03-25 00:00:00	3.3	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Silver	2024-03-25 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Ethylbenzene	2024-09-03 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Styrene	2024-09-03 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-09-03 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-09-03 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Thallium	2024-03-25 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Toluene	2024-09-03 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-03-25 00:00:00	464	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-09-03 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-09-03 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-09-03 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Zinc	2024-03-25 00:00:00	0.047	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Specific Conductivity	2024-03-25 00:00:00	779	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-09-03 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-09-03 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-09-03 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-09-03 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-09-03 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-09-03 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-09-03 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-09-03 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-09-03 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-09-03 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-09-03 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Aluminum	2024-03-25 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Cadmium	2024-03-25 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Antimony	2024-03-25 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-09-03 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Chromium	2024-03-25 00:00:00	1.1	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Chlorobenzene	2024-09-03 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Chloride	2024-03-25 00:00:00	84	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-09-03 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Copper	2024-03-25 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-03-25 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Beryllium	2024-03-25 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Benzene	2024-09-03 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2701897_001_001	DDW MUNICIPAL	Barium	2024-03-25 00:00:00	0.0519	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
CA2701897_001_001	DDW MUNICIPAL	Arsenic	2024-03-25 00:00:00	1.5	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2701897_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-09-03 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2701912_002_002	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-09-10 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2701912_002_002	DDW MUNICIPAL	Nitrate as N	2024-07-16 00:00:00	5.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2701912_002_002	DDW MUNICIPAL	Perchlorate	2024-09-10 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Specific Conductivity	2024-07-15 00:00:00	988	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Manganese	2024-07-15 00:00:00	1	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Mercury	2024-07-15 00:00:00	0.2	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-15 00:00:00	5.8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Selenium	2024-07-15 00:00:00	5	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Iron	2024-07-15 00:00:00	100	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Nickel	2024-07-15 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Sulfate	2024-07-15 00:00:00	107	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Thallium	2024-07-15 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-07-15 00:00:00	610	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Zinc	2024-07-15 00:00:00	0.082	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-07-15 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Silver	2024-07-15 00:00:00	10	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Barium	2024-07-15 00:00:00	0.083	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Aluminum	2024-07-15 00:00:00	10	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Nitrite as N	2024-07-15 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Arsenic	2024-07-15 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-07-15 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Beryllium	2024-07-15 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Cadmium	2024-07-15 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Chloride	2024-07-15 00:00:00	114	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Chromium	2024-07-15 00:00:00	2	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Copper	2024-07-15 00:00:00	0.005	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-07-15 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702135_001_001	DDW MUNICIPAL	Fluoride	2024-07-15 00:00:00	0.29	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702135_001_001	DDW MUNICIPAL	Antimony	2024-07-15 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Thallium	2024-02-07 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Fluoride	2024-02-07 00:00:00	0.12	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Mercury	2024-02-07 00:00:00	0.2	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Nickel	2024-02-07 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Nitrate as N	2024-02-07 00:00:00	3.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Nitrite as N	2024-02-07 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Selenium	2024-02-07 00:00:00	5	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-06-04 00:00:00	3810	MG/L		1000	FALSE	TRUE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-02-07 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Specific Conductivity	2024-06-04 00:00:00	5890	UMHOS/CM		1600	FALSE	TRUE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Antimony	2024-02-07 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Chromium	2024-02-07 00:00:00	2	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Aluminum	2024-02-07 00:00:00	102	UG/L	1000	200	FALSE	FALSE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Arsenic	2024-02-07 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Barium	2024-02-07 00:00:00	0.335	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Beryllium	2024-02-07 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702180_001_001	DDW MUNICIPAL	Cadmium	2024-02-07 00:00:00	2	UG/L	5		FALSE	FALSE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	Chloride	2024-08-20 00:00:00	2750	MG/L		500	FALSE	TRUE	FALSE	DDW
CA2702180_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-03-13 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702226_003_003	DDW MUNICIPAL	Nitrate as N	2024-01-05 00:00:00	0.7	MG/L	10		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
CA2702226_003_003	DDW MUNICIPAL	Nitrite as N	2024-01-05 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702320_001_001	DDW MUNICIPAL	Gross Alpha radioactivity	2024-06-03 00:00:00	10.1	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2702320_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-22 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702320_001_001	DDW MUNICIPAL	Uranium	2024-06-03 00:00:00	7.6	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2702320_002_002	DDW MUNICIPAL	Nitrate as N	2024-09-17 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702409_002_002	DDW MUNICIPAL	Iron	2024-04-01 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2702409_002_002	DDW MUNICIPAL	Uranium	2024-04-01 00:00:00	8.94	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2702409_002_002	DDW MUNICIPAL	Toluene	2024-04-01 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702409_002_002	DDW MUNICIPAL	Radium 228	2024-07-01 00:00:00	0.485	pCi/L	5		FALSE	FALSE	FALSE	DDW
CA2702409_002_002	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-04-01 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702409_002_002	DDW MUNICIPAL	Nitrate as N	2024-07-01 00:00:00	4.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702409_002_002	DDW MUNICIPAL	Gross Alpha radioactivity	2024-04-01 00:00:00	11.4	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2702409_002_002	DDW MUNICIPAL	Perchlorate	2024-07-01 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702444_001_001	DDW MUNICIPAL	Nitrate as N	2024-08-07 00:00:00	8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702452_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-01 00:00:00	5.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	Dinoseb	2024-08-20 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Nitrite as N	2024-08-13 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Nitrate as N	2024-08-13 00:00:00	10.6	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	Nickel	2024-08-13 00:00:00	7.6	UG/L	100		FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-13 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Mercury	2024-08-13 00:00:00	0.3	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Fluoride	2024-08-13 00:00:00	0.1	MG/L	2		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Diquat	2024-08-20 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Selenium	2024-08-13 00:00:00	7	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-13 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Dalapon	2024-08-20 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-08-13 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Copper	2024-08-13 00:00:00	0.004	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	Ethylbenzene	2024-08-13 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Oxamyl	2024-08-20 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Picloram	2024-08-20 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Simazine	2024-08-20 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Styrene	2024-08-13 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-13 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Thallium	2024-08-13 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Toluene	2024-08-13 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-13 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-13 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-13 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-08-13 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-08-13 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-13 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Cadmium	2024-08-13 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-20 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-20 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Chromium	2024-08-13 00:00:00	2.2	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-13 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-13 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-13 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-13 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-13 00:00:00	0.5	UG/L	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
CA2702453_001_001	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-13 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-13 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-13 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-08-13 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-20 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Bentazon	2024-08-20 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Chlorobenzene	2024-08-13 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-08-13 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Carbofuran	2024-08-20 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-13 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Benzene	2024-08-13 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-08-13 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Barium	2024-08-13 00:00:00	0.095	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	Atrazine	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Arsenic	2024-08-13 00:00:00	2.8	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2702453_001_001	DDW MUNICIPAL	Antimony	2024-08-13 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Aluminum	2024-08-13 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Alachlor	2024-08-20 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702453_001_001	DDW MUNICIPAL	Beryllium	2024-08-13 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702456_001_001	DDW MUNICIPAL	Total Dissolved Solids	2024-08-13 00:00:00	604	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2702456_001_001	DDW MUNICIPAL	Specific Conductivity	2024-08-13 00:00:00	887.9	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2702456_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-02 00:00:00	12	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2702482_001_001	DDW MUNICIPAL	Nitrite as N	2024-03-04 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Thiobencarb	2024-02-06 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Diquat	2024-02-06 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Dalapon	2024-02-06 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Mercury	2024-03-04 00:00:00	0.2	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Molinate	2024-02-06 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Thallium	2024-03-04 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Nitrate as N	2024-06-11 00:00:00	18.2	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2702482_001_001	DDW MUNICIPAL	Oxamyl	2024-02-06 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-02-06 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Picloram	2024-02-06 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Selenium	2024-03-04 00:00:00	5	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Simazine	2024-02-06 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Dinoseb	2024-02-06 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Nickel	2024-03-04 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702482_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
CA2702482_001_001	DDW MUNICIPAL	Cyanide (CN)	2024-03-04 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Fluoride	2024-03-04 00:00:00	0.11	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2702482_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-02-06 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-02-06 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Alachlor	2024-02-06 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Aluminum	2024-03-04 00:00:00	10	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Antimony	2024-03-04 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Atrazine	2024-02-06 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Barium	2024-03-04 00:00:00	0.142	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2702482_001_001	DDW MUNICIPAL	Bentazon	2024-02-06 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Beryllium	2024-03-04 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Cadmium	2024-03-04 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Chromium	2024-03-04 00:00:00	2	UG/L	50		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
CA2702482_001_001	DDW MUNICIPAL	Carbofuran	2024-02-06 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702482_001_001	DDW MUNICIPAL	Arsenic	2024-03-04 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702484_001_001	DDW MUNICIPAL	Nitrate as N	2024-06-20 00:00:00	25	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2702484_003_003	DDW MUNICIPAL	Nitrate as N	2024-05-10 00:00:00	1.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702484_003_003	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-05-10 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702484_006_006	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-05-10 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2702484_006_006	DDW MUNICIPAL	Nitrate as N	2024-05-10 00:00:00	0.8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702584_003_003	DDW MUNICIPAL	Nitrate as N	2024-03-19 00:00:00	0.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702615_001_001	DDW MUNICIPAL	Oxamyl	2024-08-27 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-27 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-27 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-27 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Diquat	2024-08-27 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Ethylbenzene	2024-08-27 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Molinate	2024-08-27 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-27 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Nitrate as N	2024-07-02 00:00:00	5.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702615_001_001	DDW MUNICIPAL	Dinoseb	2024-08-27 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-27 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Picloram	2024-08-27 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Simazine	2024-08-27 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Styrene	2024-08-27 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-27 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Thiobencarb	2024-08-27 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Toluene	2024-08-27 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-27 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Vinyl Chloride	2024-08-27 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-27 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Benzene	2024-08-27 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Xylenes (Total)	2024-08-27 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-27 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Carbofuran	2024-08-27 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Dalapon	2024-08-27 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-08-27 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-08-27 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-27 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-27 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-27 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-27 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-27 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-27 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-27 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-27 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-27 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Carbon tetrachloride	2024-08-27 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Chlorobenzene	2024-08-27 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Bentazon	2024-08-27 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Atrazine	2024-08-27 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	Alachlor	2024-08-27 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-27 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702615_001_001	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-27 00:00:00	1	UG/L	50		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
CA2702615_001_001	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-27 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702652_001_001	DDW MUNICIPAL	Arsenic	2024-09-04 00:00:00	9	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2702652_001_001	DDW MUNICIPAL	Nitrate as N	2024-01-04 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2702704_002_002	DDW MUNICIPAL	Nitrate as N	2024-01-04 00:00:00	0.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702704_003_003	DDW MUNICIPAL	Gross Alpha radioactivity	2024-07-01 00:00:00	9.7	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2702704_003_003	DDW MUNICIPAL	Picloram	2024-01-04 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-01-04 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Oxamyl	2024-01-04 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Nitrate as N	2024-02-13 00:00:00	0.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2702704_003_003	DDW MUNICIPAL	Radium 226	2024-07-01 00:00:00	0.46	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Molinate	2024-01-04 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Toluene	2024-01-04 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Ethylbenzene	2024-01-04 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Diquat	2024-01-04 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-01-04 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Simazine	2024-01-04 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Styrene	2024-01-04 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Thiobencarb	2024-01-04 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-01-04 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Trichloroethene (TCE)	2024-01-04 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-01-04 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Uranium	2024-07-01 00:00:00	5.4	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2702704_003_003	DDW MUNICIPAL	Vinyl Chloride	2024-01-04 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Xylenes (Total)	2024-01-04 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Alachlor	2024-01-04 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Dinoseb	2024-01-04 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-01-04 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-01-04 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-01-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Bentazon	2024-01-04 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-01-04 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-01-04 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-01-04 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-01-04 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-01-04 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-01-04 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-01-04 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,3-Dichloropropene	2024-01-04 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Chlorobenzene	2024-01-04 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-01-04 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-01-04 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Carbon tetrachloride	2024-01-04 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Carbofuran	2024-01-04 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Benzene	2024-01-04 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Atrazine	2024-01-04 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-01-04 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-01-04 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2702704_003_003	DDW MUNICIPAL	Dalapon	2024-01-04 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2702799_001_001	DDW MUNICIPAL	Nitrate as N	2024-05-10 00:00:00	3.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710005_003_003	DDW MUNICIPAL	Nitrate as N	2024-01-16 00:00:00	0.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710005_005_005	DDW MUNICIPAL	Nitrate as N	2024-01-16 00:00:00	1.2	MG/L	10		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
CA2710005_009_009	DDW MUNICIPAL	Silver	2024-01-16 00:00:00	1.5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Manganese	2024-01-16 00:00:00	15	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Mercury	2024-01-16 00:00:00	0.3	UG/L	2		FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Nickel	2024-01-16 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Nitrate as N	2024-01-16 00:00:00	0.1	MG/L	10		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Nitrite as N	2024-01-16 00:00:00	0.1	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Perchlorate	2024-01-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Selenium	2024-01-16 00:00:00	1.9	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Zinc	2024-01-16 00:00:00	0.03	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Sulfate	2024-01-16 00:00:00	30	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Specific Conductivity	2024-01-16 00:00:00	1195	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Total Dissolved Solids	2024-01-16 00:00:00	644	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Cadmium	2024-01-16 00:00:00	0.25	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Thallium	2024-01-16 00:00:00	0.5	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Iron	2024-01-16 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Aluminum	2024-01-16 00:00:00	15	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Antimony	2024-01-16 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Arsenic	2024-09-03 00:00:00	18.9	UG/L	10		TRUE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Barium	2024-01-16 00:00:00	0.0082	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Chloride	2024-01-16 00:00:00	254	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Chromium	2024-01-16 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Copper	2024-01-16 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Cyanide (CN)	2024-01-16 00:00:00	4	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Fluoride	2024-01-16 00:00:00	0.6	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710005_009_009	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-01-16 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710005_009_009	DDW MUNICIPAL	Beryllium	2024-01-16 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710007_004_004	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-07-23 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710007_004_004	DDW MUNICIPAL	Gross Alpha radioactivity	2024-07-23 00:00:00	3.48	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710007_004_004	DDW MUNICIPAL	Nitrate as N	2024-01-02 00:00:00	0.8	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Manganese	2024-04-02 00:00:00	8	UG/L		50	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Mercury	2024-04-02 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Nickel	2024-04-02 00:00:00	5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Nitrate as N	2024-07-23 00:00:00	3.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Nitrite as N	2024-04-02 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Silver	2024-04-02 00:00:00	5	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Specific Conductivity	2024-04-02 00:00:00	498	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Sulfate	2024-04-02 00:00:00	87	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Thallium	2024-04-02 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Total Dissolved Solids	2024-04-02 00:00:00	325	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Zinc	2024-04-02 00:00:00	0.013	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Aluminum	2024-04-02 00:00:00	10	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Selenium	2024-04-02 00:00:00	5	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Arsenic	2024-04-02 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Iron	2024-04-02 00:00:00	287	UG/L		300	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Antimony	2024-04-02 00:00:00	5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-07-23 00:00:00	0.005	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Beryllium	2024-04-02 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Cadmium	2024-04-02 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Chloride	2024-04-02 00:00:00	17	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Chromium	2024-04-02 00:00:00	2	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Copper	2024-04-02 00:00:00	0.005	MG/L		1	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
CA2710007_006_006	DDW MUNICIPAL	Cyanide (CN)	2024-04-02 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Fluoride	2024-04-02 00:00:00	0.07	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710007_006_006	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-04-02 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710007_006_006	DDW MUNICIPAL	Barium	2024-04-02 00:00:00	0.05	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710010_009_009	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-07-29 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-07-29 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Ethylbenzene	2024-07-29 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-07-29 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Nitrite as N	2024-06-18 00:00:00	0.09	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710010_009_009	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-07-29 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Toluene	2024-07-29 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-07-29 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Trichloroethene (TCE)	2024-07-29 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-07-29 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Chlorobenzene	2024-07-29 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Xylenes (Total)	2024-07-29 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Nitrate as N	2024-05-31 00:00:00	7.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_009_009	DDW MUNICIPAL	Vinyl Chloride	2024-07-29 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Styrene	2024-07-29 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-07-29 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Carbon tetrachloride	2024-07-29 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-07-29 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-07-29 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-07-29 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-07-29 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-07-29 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-07-29 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,3-Dichloropropene	2024-07-29 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-07-29 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	Benzene	2024-07-29 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_009_009	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-07-29 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Glyphosate (Round-up)	2024-08-22 00:00:00	25	UG/L	700		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Heptachlor	2024-08-22 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Methoxychlor	2024-08-22 00:00:00	10	UG/L	30		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Heptachlor Epoxide	2024-08-22 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Hexachlorobenzene (HCB)	2024-08-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Hexachlorocyclopentadiene	2024-08-22 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Lindane (Gamma-BHC)	2024-08-22 00:00:00	0.2	UG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Molinate	2024-08-22 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	2.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_017_017	DDW MUNICIPAL	Oxamyl	2024-08-22 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Picloram	2024-08-22 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Thiobencarb	2024-08-22 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Toxaphene	2024-08-22 00:00:00	1	UG/L	3		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Endrin	2024-08-22 00:00:00	0.1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-22 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Simazine	2024-08-22 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Endothall	2024-08-22 00:00:00	45	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Polychlorinated Biphenyls (PCBs)	2024-08-22 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-20 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-22 00:00:00	1	UG/L	50		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
CA2710010_017_017	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-22 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Alachlor	2024-08-22 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Atrazine	2024-08-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Bentazon	2024-08-22 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Carbofuran	2024-08-22 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Chlordane	2024-08-22 00:00:00	0.1	UG/L	0.1		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Chromium, Hexavalent (Cr6)	2024-07-11 00:00:00	5.7	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_017_017	DDW MUNICIPAL	Dalapon	2024-08-22 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-22 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Diquat	2024-08-22 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-22 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Dinoseb	2024-08-22 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710010_017_017	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-22 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Radium 226	2024-04-24 00:00:00	0.41	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Nitrate as N	2024-08-07 00:00:00	17.1	MG/L	10		TRUE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Nickel	2024-03-14 00:00:00	2.7	UG/L	100		FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-07-24 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Manganese	2024-03-14 00:00:00	4.3	UG/L		50	FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Copper	2024-03-14 00:00:00	0.0028	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Ethylbenzene	2024-07-24 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-07-24 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Radium 228	2024-04-24 00:00:00	0.0501	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Uranium	2024-04-24 00:00:00	13	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Gross Alpha radioactivity	2024-04-24 00:00:00	12.7	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Selenium	2024-03-14 00:00:00	6.6	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Styrene	2024-07-24 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-07-24 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Thallium	2024-03-14 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Toluene	2024-07-24 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Zinc	2024-03-14 00:00:00	0.0086	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-07-24 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Vinyl Chloride	2024-07-24 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Xylenes (Total)	2024-07-24 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-07-24 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Trichloroethene (TCE)	2024-07-24 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Chromium	2024-03-14 00:00:00	5.2	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-07-24 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-07-24 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-07-24 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-07-24 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-07-24 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-07-24 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-07-24 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-21 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Carbon tetrachloride	2024-07-24 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-07-24 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Chlorobenzene	2024-07-24 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-07-24 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Cadmium	2024-03-14 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Beryllium	2024-03-14 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Benzene	2024-07-24 00:00:00	0.5	UG/L	1		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
CA2710010_019_019	DDW MUNICIPAL	Arsenic	2024-03-14 00:00:00	1.6	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_019_019	DDW MUNICIPAL	Antimony	2024-03-14 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	Aluminum	2024-03-14 00:00:00	50	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-07-24 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_019_019	DDW MUNICIPAL	1,3-Dichloropropene	2024-07-24 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Thallium	2024-07-01 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Manganese	2024-07-01 00:00:00	20	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Nitrate as N	2024-05-21 00:00:00	4.7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Nitrite as N	2024-07-09 00:00:00	0.4	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Selenium	2024-07-01 00:00:00	6.4	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Zinc	2024-07-01 00:00:00	0.05	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Sulfate	2024-07-09 00:00:00	120	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Uranium	2024-07-01 00:00:00	10.5	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Iron	2024-07-01 00:00:00	20	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Specific Conductivity	2024-07-01 00:00:00	1030	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Antimony	2024-07-01 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Nickel	2024-07-01 00:00:00	1.9	UG/L	100		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Fluoride	2024-07-09 00:00:00	0.3	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Aluminum	2024-07-01 00:00:00	50	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Arsenic	2024-07-01 00:00:00	2.5	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Barium	2024-06-11 00:00:00	0.092	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Beryllium	2024-07-01 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Boron	2024-07-01 00:00:00	0.086	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Chloride	2024-07-09 00:00:00	120	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Chromium	2024-07-01 00:00:00	7	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Chromium, Hexavalent (Cr6)	2024-07-11 00:00:00	5.4	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_020_020	DDW MUNICIPAL	Cadmium	2024-07-01 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	Copper	2024-07-01 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710010_020_020	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-20 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710010_023_023	DDW MUNICIPAL	Nickel	2024-03-14 00:00:00	4.6	UG/L	100		FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Zinc	2024-03-14 00:00:00	0.002	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Uranium	2024-03-14 00:00:00	12.3	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Antimony	2024-03-14 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_023_023	DDW MUNICIPAL	Thallium	2024-03-14 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_023_023	DDW MUNICIPAL	Selenium	2024-03-14 00:00:00	6.8	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Nitrite as N	2024-07-29 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_023_023	DDW MUNICIPAL	Nitrate as N	2024-01-25 00:00:00	4.5	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Copper	2024-03-14 00:00:00	0.0017	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Chromium	2024-03-14 00:00:00	8	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Cadmium	2024-03-14 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_023_023	DDW MUNICIPAL	Arsenic	2024-03-14 00:00:00	1.8	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Aluminum	2024-03-14 00:00:00	50	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710010_023_023	DDW MUNICIPAL	Manganese	2024-03-14 00:00:00	2.5	UG/L		50	FALSE	FALSE	FALSE	DDW
CA2710010_023_023	DDW MUNICIPAL	Beryllium	2024-03-14 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Vinyl Chloride	2024-08-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Chlorobenzene	2024-08-20 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-20 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Ethylbenzene	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-20 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Styrene	2024-08-20 00:00:00	0.5	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
CA2710010_027_027	DDW MUNICIPAL	Toluene	2024-08-20 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-20 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-20 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Xylenes (Total)	2024-08-20 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Carbon tetrachloride	2024-08-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_027_027	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Benzene	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-20 00:00:00	0.0005	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-08-20 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-08-20 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-20 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-20 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_027_027	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-20 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Radium 226	2024-07-09 00:00:00	0.31	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Iron	2024-07-03 00:00:00	20	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Manganese	2024-07-03 00:00:00	20	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-07-25 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-07-25 00:00:00	2	UG/L	13	5	FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Gross Alpha radioactivity	2024-07-09 00:00:00	16.7	pCi/L	15		TRUE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Nickel	2024-07-03 00:00:00	3.2	UG/L	100		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Nitrate as N	2024-07-25 00:00:00	7	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Zinc	2024-07-03 00:00:00	0.05	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Ethylbenzene	2024-07-25 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Radium 228	2024-07-09 00:00:00	0.157	pCi/L	5		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Selenium	2024-07-03 00:00:00	10.2	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Styrene	2024-07-25 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-07-25 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Thallium	2024-07-03 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Toluene	2024-07-25 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Trichloroethene (TCE)	2024-07-25 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Uranium	2024-07-09 00:00:00	14	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Vinyl Chloride	2024-07-25 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Xylenes (Total)	2024-07-25 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-07-25 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Antimony	2024-06-13 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-07-25 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-07-25 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Barium	2024-07-03 00:00:00	0.091	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Copper	2024-07-03 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-07-25 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-07-25 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-07-25 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-07-25 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-07-25 00:00:00	0.5	UG/L	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
CA2710010_030_030	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-07-25 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-21 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-07-25 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,3-Dichloropropene	2024-07-25 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Chromium	2024-07-03 00:00:00	9.3	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-07-25 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-07-25 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Chlorobenzene	2024-07-25 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Carbon tetrachloride	2024-07-25 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Cadmium	2024-07-03 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Boron	2024-07-03 00:00:00	0.178	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Beryllium	2024-07-03 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Benzene	2024-07-25 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_030_030	DDW MUNICIPAL	Arsenic	2024-07-03 00:00:00	2.3	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_030_030	DDW MUNICIPAL	Aluminum	2024-06-13 00:00:00	50	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Fluoride	2024-05-30 00:00:00	0.2	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710010_102_102	DDW MUNICIPAL	Lindane (Gamma-BHC)	2024-05-23 00:00:00	0.2	UG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Nitrite as N	2024-05-30 00:00:00	0.4	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Nitrate as N	2024-05-30 00:00:00	1.1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_102_102	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-05-23 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Molinate	2024-05-23 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Methoxychlor	2024-05-23 00:00:00	10	UG/L	30		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Hexachlorocyclopentadiene	2024-05-23 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Hexachlorobenzene (HCB)	2024-05-23 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Heptachlor Epoxide	2024-05-23 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Oxamyl	2024-05-23 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Glyphosate (Round-up)	2024-05-23 00:00:00	25	UG/L	700		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-05-23 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Ethylbenzene	2024-05-23 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Endrin	2024-05-23 00:00:00	0.1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Heptachlor	2024-05-23 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Toxaphene	2024-05-23 00:00:00	1	UG/L	3		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Endothall	2024-05-23 00:00:00	45	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Benzo(a)pyrene	2024-05-23 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Xylenes (Total)	2024-05-23 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Vinyl Chloride	2024-05-23 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-05-23 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Simazine	2024-05-23 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-05-23 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-05-23 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Toluene	2024-05-23 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Thiobencarb	2024-05-23 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Styrene	2024-05-23 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Radium 228	2024-03-14 00:00:00	0.0488	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Polychlorinated Biphenyls (PCBs)	2024-05-23 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Picloram	2024-05-23 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Trichloroethene (TCE)	2024-05-23 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-05-23 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-05-23 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,3-Dichloropropene	2024-05-23 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-05-23 00:00:00	0.5	UG/L	4		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
CA2710010_102_102	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-20 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-05-23 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-05-23 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-05-23 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-05-23 00:00:00	0.0005	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-05-23 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Diquat	2024-05-23 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Carbon tetrachloride	2024-05-23 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-05-23 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Chlorobenzene	2024-05-23 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-05-23 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Dinoseb	2024-05-23 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-05-23 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-05-23 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-05-23 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-05-23 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Chlordane	2024-05-23 00:00:00	0.1	UG/L	0.1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-05-23 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Carbofuran	2024-05-23 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Benzene	2024-05-23 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Bentazon	2024-05-23 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Atrazine	2024-05-23 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Alachlor	2024-05-23 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_102_102	DDW MUNICIPAL	Dalapon	2024-05-23 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Styrene	2024-06-18 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Copper	2024-02-16 00:00:00	0.001	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Ethylbenzene	2024-06-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Manganese	2024-02-16 00:00:00	1	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-06-18 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Nickel	2024-02-16 00:00:00	2.7	UG/L	100		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Selenium	2024-02-16 00:00:00	1.8	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-06-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Thallium	2024-02-16 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Toluene	2024-06-18 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-06-18 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Trichloroethene (TCE)	2024-06-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-06-18 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Uranium	2024-02-16 00:00:00	4.1	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Vinyl Chloride	2024-06-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Zinc	2024-02-16 00:00:00	0.0017	MG/L		5	FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Chromium, Hexavalent (Cr6)	2024-02-14 00:00:00	5	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-06-18 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Xylenes (Total)	2024-06-18 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-06-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-06-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-06-18 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-06-18 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-06-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Chromium	2024-02-16 00:00:00	6.8	UG/L	50		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-06-18 00:00:00	0.5	UG/L	600		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
CA2710010_131_131	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-06-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-06-18 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Carbon tetrachloride	2024-06-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-06-18 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Aluminum	2024-02-16 00:00:00	50	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Antimony	2024-02-16 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Arsenic	2024-02-16 00:00:00	1.9	UG/L	10		FALSE	FALSE	FALSE	DDW
CA2710010_131_131	DDW MUNICIPAL	Benzene	2024-06-18 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Beryllium	2024-02-16 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Cadmium	2024-02-16 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,3-Dichloropropene	2024-06-18 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	Chlorobenzene	2024-06-18 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710010_131_131	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-06-18 00:00:00	0.0005	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710012_002_002	DDW MUNICIPAL	Nitrate as N	2024-02-22 00:00:00	3.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710012_003_003	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-22 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Lindane (Gamma-BHC)	2024-08-22 00:00:00	0.2	UG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	0.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710012_003_003	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-06-20 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Molinate	2024-08-22 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Oxamyl	2024-08-22 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Hexachlorobenzene (HCB)	2024-08-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Heptachlor Epoxide	2024-08-22 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Heptachlor	2024-08-22 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Gross Alpha radioactivity	2024-03-07 00:00:00	5.76	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710012_003_003	DDW MUNICIPAL	Glyphosate (Round-up)	2024-08-22 00:00:00	25	UG/L	700		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Endrin	2024-08-22 00:00:00	0.1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Picloram	2024-08-22 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Vinyl Chloride	2024-06-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Ethylbenzene	2024-06-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Toluene	2024-06-20 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Xylenes (Total)	2024-06-20 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Hexachlorocyclopentadiene	2024-08-22 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Uranium	2024-03-07 00:00:00	3.9	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710012_003_003	DDW MUNICIPAL	Endothall	2024-08-22 00:00:00	45	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Trichloroethene (TCE)	2024-06-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-06-20 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Toxaphene	2024-08-22 00:00:00	1	UG/L	3		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Polychlorinated Biphenyls (PCBs)	2024-08-22 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Thiobencarb	2024-08-22 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-06-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Styrene	2024-06-20 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Simazine	2024-08-22 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Radium 228	2024-03-07 00:00:00	2.02	pCi/L	5		FALSE	FALSE	FALSE	DDW
CA2710012_003_003	DDW MUNICIPAL	Radium 226	2024-03-07 00:00:00	0.41	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-06-20 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-06-20 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-22 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-06-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,3-Dichloropropene	2024-06-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-06-20 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-22 00:00:00	0.002	UG/L	0.005		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
CA2710012_003_003	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-22 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-06-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-06-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-06-20 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-06-20 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Diquat	2024-08-22 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Methoxychlor	2024-08-22 00:00:00	10	UG/L	30		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-06-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Dalapon	2024-08-22 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Dinoseb	2024-08-22 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-06-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-06-20 00:00:00	0.0005	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Alachlor	2024-08-22 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-22 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-22 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-06-20 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Chlorobenzene	2024-06-20 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-22 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Atrazine	2024-08-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Carbon tetrachloride	2024-06-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Carbofuran	2024-08-22 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Bentazon	2024-08-22 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Chlordane	2024-08-22 00:00:00	0.1	UG/L	0.1		FALSE	FALSE	TRUE	DDW
CA2710012_003_003	DDW MUNICIPAL	Benzene	2024-06-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Nitrite as N	2024-02-22 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Nickel	2024-02-22 00:00:00	10	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Perchlorate	2024-02-22 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-02-22 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Nitrate as N	2024-02-22 00:00:00	2.9	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Mercury	2024-02-22 00:00:00	0.2	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Iron	2024-02-22 00:00:00	30	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Selenium	2024-02-22 00:00:00	4	UG/L	20		FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Uranium	2024-02-22 00:00:00	9.6	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-02-22 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Fluoride	2024-02-22 00:00:00	0.31	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Manganese	2024-02-22 00:00:00	10	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Toluene	2024-02-22 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Cadmium	2024-02-22 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Ethylbenzene	2024-02-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Zinc	2024-02-22 00:00:00	0.05	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Xylenes (Total)	2024-02-22 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Vinyl Chloride	2024-02-22 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-02-22 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Trichloroethene (TCE)	2024-02-22 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Total Dissolved Solids	2024-02-22 00:00:00	630	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Silver	2024-02-22 00:00:00	10	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Thallium	2024-02-22 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-02-22 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Sulfate	2024-02-22 00:00:00	120	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Styrene	2024-02-22 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Specific Conductivity	2024-02-22 00:00:00	1000	UMHOS/CM		1600	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
CA2710012_009_009	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-02-22 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-02-22 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Carbon tetrachloride	2024-02-22 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-02-22 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-02-22 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-02-22 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-02-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-02-22 00:00:00	0.0005	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-02-22 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-02-22 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-22 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-02-22 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,3-Dichloropropene	2024-02-22 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-02-22 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Chloride	2024-02-22 00:00:00	69	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Cyanide (CN)	2024-02-22 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Aluminum	2024-02-22 00:00:00	50	UG/L	1000	200	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-02-22 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Chlorobenzene	2024-02-22 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Copper	2024-02-22 00:00:00	0.005	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Beryllium	2024-02-22 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Benzene	2024-02-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Barium	2024-02-22 00:00:00	0.067	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710012_009_009	DDW MUNICIPAL	Arsenic	2024-02-22 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Antimony	2024-02-22 00:00:00	2	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_009_009	DDW MUNICIPAL	Chromium	2024-02-22 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Nickel	2024-03-20 00:00:00	10	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Molinate	2024-08-22 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Lindane (Gamma-BHC)	2024-08-22 00:00:00	0.2	UG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Methoxychlor	2024-08-22 00:00:00	10	UG/L	30		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Mercury	2024-03-20 00:00:00	0.2	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Manganese	2024-07-03 00:00:00	20	UG/L		50	FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Iron	2024-07-03 00:00:00	20	UG/L		300	FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Hexachlorocyclopentadiene	2024-08-22 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-22 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Hexachlorobenzene (HCB)	2024-08-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Zinc	2024-07-03 00:00:00	0.05	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Heptachlor	2024-08-22 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Nitrate as N	2024-03-20 00:00:00	3.2	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Toxaphene	2024-08-22 00:00:00	1	UG/L	3		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Heptachlor Epoxide	2024-08-22 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Silver	2024-03-20 00:00:00	10	UG/L		100	FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Glyphosate (Round-up)	2024-08-22 00:00:00	25	UG/L	700		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Total Dissolved Solids	2024-03-20 00:00:00	520	MG/L		1000	FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Thallium	2024-03-20 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Sulfate	2024-03-20 00:00:00	93	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Specific Conductivity	2024-06-25 00:00:00	780	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Thiobencarb	2024-08-22 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Simazine	2024-08-22 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Nitrite as N	2024-03-20 00:00:00	0.05	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Selenium	2024-03-20 00:00:00	2.3	UG/L	20		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
CA2710012_016_016	DDW MUNICIPAL	Polychlorinated Biphenyls (PCBs)	2024-08-22 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Picloram	2024-08-22 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-22 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Oxamyl	2024-08-22 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Beryllium	2024-03-20 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-22 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Bentazon	2024-08-22 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Barium	2024-07-03 00:00:00	0.054	MG/L	1		FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Atrazine	2024-08-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Antimony	2024-03-20 00:00:00	2	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Aluminum	2024-03-20 00:00:00	180	UG/L	1000	200	FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-22 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-22 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-22 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Foaming Agents (MBAS)	2024-03-20 00:00:00	0.05	MG/L		0.5	FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Diquat	2024-08-22 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Arsenic	2024-03-20 00:00:00	2	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Dalapon	2024-08-22 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Alachlor	2024-08-22 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Boron	2024-07-03 00:00:00	0.051	MG/L		1	FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Endrin	2024-08-22 00:00:00	0.1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Endothall	2024-08-22 00:00:00	45	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-22 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Fluoride	2024-03-20 00:00:00	0.33	MG/L	2		FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Cyanide (CN)	2024-03-20 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Carbofuran	2024-08-22 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Cadmium	2024-03-20 00:00:00	1	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Dinoseb	2024-08-22 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Chlordane	2024-08-22 00:00:00	0.1	UG/L	0.1		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Chloride	2024-03-20 00:00:00	72	MG/L		500	FALSE	FALSE	FALSE	DDW
CA2710012_016_016	DDW MUNICIPAL	Chromium	2024-03-20 00:00:00	10	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_016_016	DDW MUNICIPAL	Copper	2024-07-03 00:00:00	0.02	MG/L		1	FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Oxamyl	2024-08-27 00:00:00	20	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Endrin	2024-08-27 00:00:00	0.1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Glyphosate (Round-up)	2024-08-27 00:00:00	25	UG/L	700		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Hexachlorocyclopentadiene	2024-08-27 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Lindane (Gamma-BHC)	2024-08-27 00:00:00	0.2	UG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Methoxychlor	2024-08-27 00:00:00	10	UG/L	30		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Molinate	2024-08-27 00:00:00	2	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Heptachlor Epoxide	2024-08-27 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Pentachlorophenol (PCP)	2024-08-27 00:00:00	0.2	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Picloram	2024-08-27 00:00:00	0.001	MG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Polychlorinated Biphenyls (PCBs)	2024-08-27 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Simazine	2024-08-27 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Specific Conductivity	2024-06-25 00:00:00	840	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710012_018_018	DDW MUNICIPAL	Thiobencarb	2024-08-27 00:00:00	1	UG/L	70	1	FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Zinc	2024-06-25 00:00:00	0.05	MG/L		5	FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Endothall	2024-08-27 00:00:00	45	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Heptachlor	2024-08-27 00:00:00	0.01	UG/L	0.01		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Toxaphene	2024-08-27 00:00:00	1	UG/L	3		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-27 00:00:00	0.002	UG/L	0.005		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
CA2710012_018_018	DDW MUNICIPAL	2,4,5-TP (Silvex)	2024-08-27 00:00:00	1	UG/L	50		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	2,4-Dichlorophenoxyacetic acid (2,4 D)	2024-08-27 00:00:00	10	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Alachlor	2024-08-27 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Atrazine	2024-08-27 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Bentazon	2024-08-27 00:00:00	2	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Carbofuran	2024-08-27 00:00:00	5	UG/L	18		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Chlordane	2024-08-27 00:00:00	0.1	UG/L	0.1		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Dalapon	2024-08-27 00:00:00	10	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Diquat	2024-08-27 00:00:00	4	UG/L	20		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Di(2-ethylhexyl)adipate	2024-08-27 00:00:00	0.005	MG/L	0.4		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Hexachlorobenzene (HCB)	2024-08-27 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Di(2-ethylhexyl)phthalate (DEHP)	2024-08-27 00:00:00	3	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Dinoseb	2024-08-27 00:00:00	2	UG/L	7		FALSE	FALSE	TRUE	DDW
CA2710012_018_018	DDW MUNICIPAL	Benzo(a)pyrene	2024-08-27 00:00:00	0.1	MG/L	0.2		FALSE	FALSE	TRUE	DDW
CA2710012_024_024	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-08-27 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710012_024_024	DDW MUNICIPAL	Radium 228	2024-03-08 00:00:00	0.925	pCi/L	5		FALSE	FALSE	FALSE	DDW
CA2710012_024_024	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710012_024_024	DDW MUNICIPAL	Radium 226	2024-03-08 00:00:00	0.41	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710019_001_001	DDW MUNICIPAL	Nitrite as N	2024-03-14 00:00:00	0.4	MG/L	1		FALSE	FALSE	TRUE	DDW
CA2710019_001_001	DDW MUNICIPAL	Nitrate as N	2024-03-27 00:00:00	7.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710019_003_003	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	1	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710019_003_003	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-06-27 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710019_003_003	DDW MUNICIPAL	Chromium, Hexavalent (Cr6)	2024-09-17 00:00:00	12	UG/L	10		TRUE	FALSE	FALSE	DDW
CA2710019_008_008	DDW MUNICIPAL	Toluene	2024-06-17 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-06-17 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-06-17 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Ethylbenzene	2024-06-17 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-06-17 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Nitrate as N	2024-03-21 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710019_008_008	DDW MUNICIPAL	Perchlorate	2024-05-16 00:00:00	1	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Specific Conductivity	2024-05-16 00:00:00	590	UMHOS/CM		1600	FALSE	FALSE	FALSE	DDW
CA2710019_008_008	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-06-17 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Trichloroethene (TCE)	2024-06-17 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-06-17 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Vinyl Chloride	2024-06-17 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Xylenes (Total)	2024-06-17 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Chromium, Hexavalent (Cr6)	2024-07-25 00:00:00	11	UG/L	10		TRUE	FALSE	FALSE	DDW
CA2710019_008_008	DDW MUNICIPAL	Styrene	2024-06-17 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-06-17 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-06-17 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Chlorobenzene	2024-06-17 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-06-17 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-06-17 00:00:00	0.0005	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-06-17 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-06-17 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-06-17 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,2,3-Trichloropropane (1,2,3 TCP)	2024-06-26 00:00:00	0.002	UG/L	0.005		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-06-17 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,3-Dichloropropene	2024-06-17 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	Carbon tetrachloride	2024-06-17 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-06-17 00:00:00	0.5	UG/L	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
CA2710019_008_008	DDW MUNICIPAL	Benzene	2024-06-17 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710019_008_008	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-06-17 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-03-11 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-03-11 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-03-11 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Nitrate as N	2024-09-03 00:00:00	0.6	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710023_002_002	DDW MUNICIPAL	Radium 228	2024-03-11 00:00:00	0.0491	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Styrene	2024-03-11 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Toluene	2024-03-11 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-03-11 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Trichloroethene (TCE)	2024-03-11 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-03-11 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Xylenes (Total)	2024-03-11 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-03-11 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Chlorobenzene	2024-03-11 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Vinyl Chloride	2024-03-11 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-03-11 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Ethylbenzene	2024-03-11 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-03-11 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-03-11 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-03-11 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Benzene	2024-03-11 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-03-11 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,3-Dichloropropene	2024-03-11 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-03-11 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	Carbon tetrachloride	2024-03-11 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-03-11 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-03-11 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710023_002_002	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-03-11 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Radium 226	2024-06-05 00:00:00	0.23	pCi/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Perchlorate	2024-08-21 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Nitrate as N	2024-08-21 00:00:00	0.4	MG/L	10		FALSE	FALSE	FALSE	DDW
CA2710023_005_005	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-03-06 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Ethylbenzene	2024-03-06 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Radium 228	2024-06-05 00:00:00	0.505	pCi/L	5		FALSE	FALSE	FALSE	DDW
CA2710023_005_005	DDW MUNICIPAL	Vinyl Chloride	2024-03-06 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Gross Alpha radioactivity	2024-08-21 00:00:00	15.8	pCi/L	15		TRUE	FALSE	FALSE	DDW
CA2710023_005_005	DDW MUNICIPAL	Simazine	2024-01-22 00:00:00	1	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Styrene	2024-03-06 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-03-06 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Toluene	2024-03-06 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-03-06 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Trichloroethene (TCE)	2024-03-06 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Uranium	2024-08-21 00:00:00	14.2	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710023_005_005	DDW MUNICIPAL	Chlorobenzene	2024-03-06 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Xylenes (Total)	2024-03-06 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-03-06 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-03-06 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-03-06 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-03-06 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-03-06 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
CA2710023_005_005	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-03-06 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-03-06 00:00:00	0.01	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-03-06 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-03-06 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Benzene	2024-03-06 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Carbon tetrachloride	2024-03-06 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Atrazine	2024-01-22 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	Alachlor	2024-01-22 00:00:00	1	UG/L	2		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-03-06 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,3-Dichloropropene	2024-03-06 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-03-06 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710023_005_005	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-03-06 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Uranium	2024-06-03 00:00:00	2.6	pCi/L	20		FALSE	FALSE	FALSE	DDW
CA2710023_009_009	DDW MUNICIPAL	Styrene	2024-08-20 00:00:00	0.5	UG/L	100		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Ethylbenzene	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Gross Alpha radioactivity	2024-06-03 00:00:00	3.27	pCi/L	15		FALSE	FALSE	FALSE	DDW
CA2710023_009_009	DDW MUNICIPAL	MTBE (Methyl-tert-butyl ether)	2024-08-20 00:00:00	0.5	UG/L	13	5	FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Xylenes (Total)	2024-08-20 00:00:00	0.5	UG/L	1750		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Dichloromethane (Methylene Chloride)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Perchlorate	2024-06-03 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Toluene	2024-08-20 00:00:00	0.5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	trans-1,2, Dichloroethylene	2024-08-20 00:00:00	0.5	UG/L	10		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	cis-1,2 Dichloroethylene	2024-08-20 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Trichlorofluoromethane (Freon 11)	2024-08-20 00:00:00	5	UG/L	150		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Vinyl Chloride	2024-08-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Trichloroethene (TCE)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2024-08-20 00:00:00	0.002	MG/L	1.2		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Tetrachloroethene (PCE)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,1 Dichloroethylene (1,1 DCE)	2024-08-20 00:00:00	0.5	UG/L	6		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,1,2,2 Tetrachloroethane (PCA)	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Chlorobenzene	2024-08-20 00:00:00	0.5	UG/L	70		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,1-Dichloroethane (1,1 DCA)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,2 Dichlorobenzene (1,2-DCB)	2024-08-20 00:00:00	0.5	UG/L	600		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Carbon tetrachloride	2024-08-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,2 Dichloropropane (1,2 DCP)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,2,4- Trichlorobenzene (1,2,4 TCB)	2024-08-20 00:00:00	0.5	UG/L	4		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,3-Dichloropropene	2024-08-20 00:00:00	0.5	UG/L	0.5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,4-Dichlorobenzene (p-DCB)	2024-08-20 00:00:00	0.5	UG/L	5		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	Benzene	2024-08-20 00:00:00	0.5	UG/L	1		FALSE	FALSE	TRUE	DDW
CA2710023_009_009	DDW MUNICIPAL	1,1,1-Trichloroethane	2024-08-20 00:00:00	0.5	UG/L	200		FALSE	FALSE	TRUE	DDW
AGL020003810-CCGC_0108	ILRP DOMESTIC	Nitrate+Nitrite	2024-04-11 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB
AGL020003810-CCGC_0108	ILRP DOMESTIC	Specific Conductivity	2024-04-11 00:00:00	501	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020008224-CCGC_0583	ILRP DOMESTIC	Specific Conductivity	2024-03-27 00:00:00	642	UMHOS/CM		1600	FALSE	FALSE	FALSE	CCRWQCB
AGL020008224-CCGC_0583	ILRP DOMESTIC	Nitrate+Nitrite	2024-03-27 00:00:00	0	MG/L	10		FALSE	FALSE	TRUE	CCRWQCB