



San Antonio Creek Valley Groundwater Basin Groundwater Sustainability Plan 2021 Annual Report

March 23, 2022

Prepared for:

San Antonio Basin
Groundwater Sustainability Agency



Prepared by:

GSI Water Solutions, Inc.

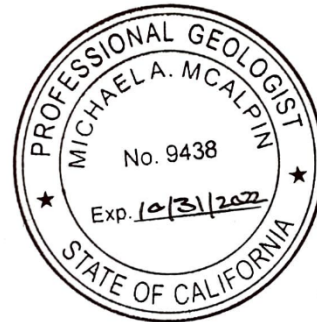
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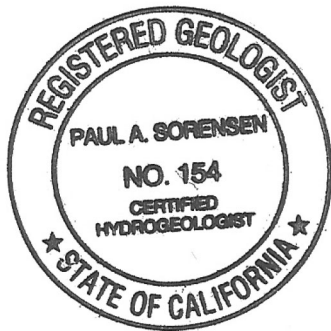
San Antonio Creek Valley Groundwater Basin Groundwater Sustainability Plan 2021 Annual Report

This report was prepared by the staff of GSI Water Solutions, Inc. under the supervision of professionals whose signatures appear below. The findings or professional opinion were prepared in accordance with generally accepted professional engineering and geologic practice.



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Abbreviations and Acronyms

AF	acre-feet
amsl	above mean sea level
Basin Plan	Water Quality Control Plan for the Central Coast Basin
Basin	San Antonio Creek Valley Groundwater Basin
BMP	best management practice
CASGEM	California Statewide Groundwater Elevation Monitoring
cfs	cubic feet per second
CGPS	Continuous Global Positioning System
COC	constituent of concern
COGG	California Oil, Gas, and Groundwater
DDW	Division of Drinking Water
DEHP	di(2-ethylhexyl)phthalate
DWR	California Department of Water Resources
EPA	U.S. Environmental Protection Agency
ft	foot or feet
GAMA	Groundwater Ambient Monitoring and Assessment
GDE	groundwater-dependent ecosystem
GEI	GEI Consultants, Inc.
gpm	gallons per minute
gpm/ft	gallons per minute per foot
GSI	GSI Water Solutions, Inc.
GSP	Groundwater Sustainability Plan
HCM	hydrogeologic conceptual model
HWY	Highway
ILRP	Irrigated Lands Regulatory Program
InSAR	Interferometric Synthetic Aperture Radar
JPA	Joint Exercise of Powers Agreement
LACSD	Los Alamos Community Services District
MCL	maximum contaminant level
OSWCR	Online System for Well Completion Reports
RMS	representative monitoring site
RWQCB	Regional Water Quality Control Board
SABGSA	San Antonio Basin Groundwater Sustainability Agency
SABWD	San Antonio Basin Water District
SGMA	Sustainable Groundwater Management Act
Slough	Barka Slough
SMC	sustainable management criteria
SMCL	secondary maximum contaminant level

SWP	State Water Project
SWRCB	State Water Resources Control Board
TDS	total dissolved solids
UNAVCO	University NAVSTAR Consortium
USGS	U.S. Geological Survey
VSFB	Vandenberg Space Force Base
WCR	well completion report
WMAP	Well Metering Assistance Program
WQO	water quality objective

Executive Summary (§ 356.2[a])

ES-1 Introduction

This Annual Report for the San Antonio Creek Valley Groundwater Basin (Basin; see Figure ES-1) has been prepared in accordance with the Sustainable Groundwater Management Act (SGMA) regulations. Pursuant to the SGMA regulations, a Groundwater Sustainability Plan (GSP) Annual Report must be submitted to the California Department of Water Resources (DWR) by April 1 of each year following the adoption of the GSP.

With the submittal of the adopted basin GSP by the January 31, 2022 deadline, the San Antonio Basin Groundwater Sustainability Agency (SABGSA) is required to submit an Annual Report for the preceding water year (October 1 through September 30) to DWR by April 1, 2022. Because this is the first GSP Annual Report for the Basin, this report documents and updates data from October 1, 2018 through September 31, 2021 (the reporting period for the basin GSP included water years 1981 through 2018). The Annual Report will convey monitoring and water use data to the DWR and to basin stakeholders on an annual basis to gauge performance of the Basin relative to the sustainability goals set forth in the GSP.

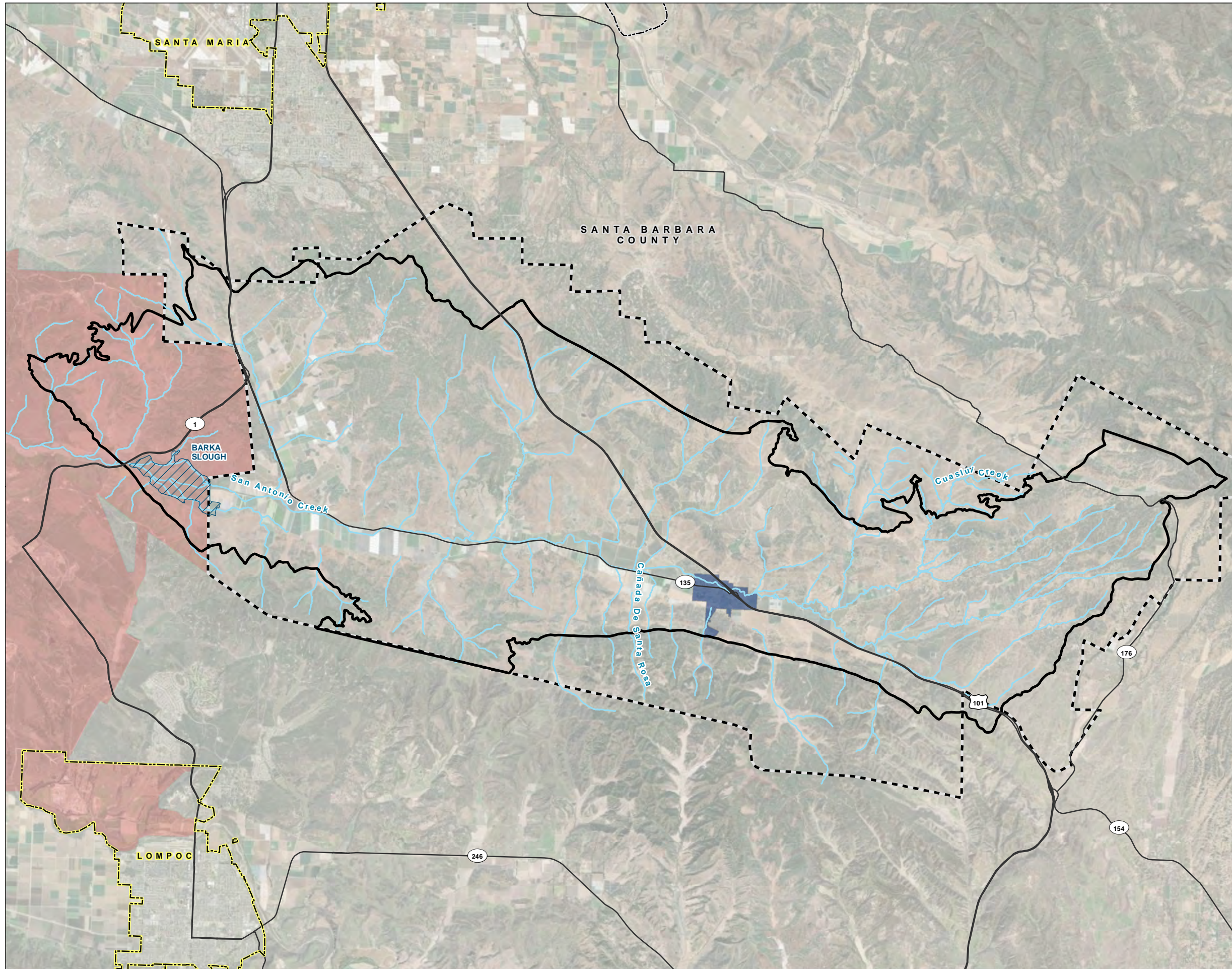
This Annual Report includes the following sections:

- **Section 1: Introduction.** A brief background of the formation and activities of the SABGSA and development and submittal of the GSP.
- **Section 2: Basin Setting and Monitoring Networks.** A summary of the basin setting, basin monitoring networks, and ways in which data are used for groundwater management.
- **Section 3: Groundwater Elevations (§ 356.2[b][1]).** A description of recent monitoring data with groundwater elevation contour maps of seasonal high and low groundwater elevations and representative hydrographs.
- **Section 4: Groundwater Extractions (§ 356.2[b][2][b][4]).** Compilation of metered and estimated groundwater extractions by land use sector and approximate locations of extraction.
- **Section 5: Surface Water Use (§ 356.2[b][3]).** No surface water use occurs in the Basin and therefore Section § 356.2[b][3] of DWR GSP Emergency Regulations is not applicable to the Basin.
- **Section 6: Change in Groundwater in Storage (§ 356.2[b][5]).** A description of the methodology and presentation of changes in groundwater in storage based on annual groundwater elevation differences.
- **Section 7: Progress toward Basin Sustainability (§ 356.2[c]).** A summary of management actions taken throughout the Basin by the SABGSA and individual entities toward sustainability of the Basin.
- **Section 8: References.**










ES-2 Groundwater Elevations

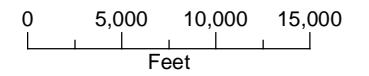
Groundwater elevation trends observed at representative monitoring sites (RMSs) in the Basin during water years 2019 through 2021 were generally decreasing or remained relatively stable compared to groundwater elevations measured in water years 2017 through 2018. Water year types for 2019 and 2020 were both “above normal” while water year 2021 was “dry.” Although 2 of the 3 water years included above normal precipitation, there is often a delay between recharge events and groundwater level response. Additionally, groundwater pumping exceeding the sustainable yield continued through water years 2019 through 2021. Seasonal trends of slightly higher spring groundwater elevations compared with fall levels continued in each of the water years.

FIGURE ES-1
San Antonio Creek Valley
Groundwater Basin Plan Area
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



LEGEND

-  Los Alamos Community Services District
-  Vandenberg Space Force Base
- All Other Features**
-  San Antonio Creek Valley Groundwater Basin
-  Barka Slough
-  San Antonio Basin Water District
-  County Boundary
-  City Boundary
-  Major Road
-  San Antonio Creek or Adjacent Tributary



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI,
 DWR (2018), Maxar imagery (2020)



ES-3 Groundwater Extractions

Total groundwater extractions in the Basin for water years 2019, 2020, and 2021 are 22,000 acre-feet (AF), 22,600 AF, and 22,600 AF, respectively. Table ES-1 summarizes the groundwater extractions by water use sector for each water year.

Table ES-1. Groundwater Extractions by Water Use Sector

Water Year	LACSD (AF)	VSFB (AF)	Rural Domestic (AF)	Agricultural (AF)	Total (AF)
2018 ¹	280	150	170	21,200	21,800
2019	260	240	170	21,300	22,000
2020	280	280	170	21,900	22,600
2021	290	710	170	21,400	22,600
Method of Measure	Metered	Metered	Aerial Survey	Land Use Survey, Crop Water Use Factors, and Basin Water District Assessments	—
Level of Accuracy	High	High	Medium/Low	Medium	—

Notes

¹ The water year's historical water budget agricultural pumping volume was revised based on updated data

Grey shading indicates a water year included in the historical water budget

— = not applicable

AF = acre-feet

LACSD = Los Alamos Community Services District

VSFB = Vandenberg Space Force Base (formerly Vandenberg Air Force Base)

ES-4 Surface Water Use

The Basin does not receive imported water from the California State Water Project (SWP), nor does it receive reservoir releases into streams and rivers that enter the Basin from the surrounding watershed. Consequently, surface water use is not applicable to the Basin.

ES-5 Change in Groundwater in Storage

The calculation of change in groundwater in storage in the Basin was derived from a comparison of fall groundwater elevation contour maps from one year to the next, as well as taking the difference between groundwater elevations throughout the Basin as the aquifers become saturated (storage gain) or dewatered (storage loss). For example, the Paso Robles Formation fall 2020 groundwater elevations were subtracted from the Paso Robles Formation fall 2019 groundwater elevations, resulting in a map depicting the changes in groundwater elevations in the Paso Robles Formation that occurred during the 2020 water year. Similar calculations were made for water year 2021, resulting in a series of groundwater elevation change maps in the Paso Robles Formation. The same was completed for the Careaga Sand.

Paso Robles Formation groundwater elevation contour maps were generated from a well set located primarily along the axis of the valley, between Los Alamos and Barka Slough (Slough). Similarly, Careaga Sand groundwater elevation contours were generated from a well set located sparsely within the northern uplands and more densely in the Slough. Therefore, the amount of uncertainty is proportionate to the lack of data points, as is the calculation of change in groundwater in storage. Additionally, the well set used for contouring groundwater elevations for water year 2018 for the Paso Robles Formation and the Careaga Sand provided greater spatial coverage of the Basin compared to those used for water year 2019 through 2021¹; therefore, groundwater elevation contour maps for water years 2018 and 2019 were not able to be effectively compared and a change in groundwater in storage was unable to be calculated using that methodology. Change in groundwater in storage for water year 2019 was calculated by evaluating the relationship between precipitation, total pumping, and annual change in groundwater in storage during the historical water budget period. The SABGSA is working to implement planned management actions (see Section 6 of GSI and GEI, 2021) to address these identified data gaps.

As summarized above, due to the difference in spatial distribution of groundwater elevation data points for the Paso Robles Formation between water years 2018 and 2019, no change in groundwater in storage map was generated for water year 2019. The change in groundwater in storage map generated by the two groundwater elevation contour maps is not representative of basin conditions and therefore was not used for the change in groundwater in storage analysis. A calculation of change in groundwater in storage for water year 2019 for the Paso Robles Formation is presented in Table ES-2.

Table ES-2. Annual Changes in Groundwater in Storage

Water Year	Paso Robles Formation (AF)	Careaga Sand (AF)	Total Annual Change in Groundwater in Storage ¹ (AF)
2015	—	—	-26,400
2016	—	—	-23,600
2017 ²	—	—	-2,900
2018 ²	—	—	-23,700
2019	-15,400	-370	-15,800
2020	-18,800	-410	-19,200
2021	-20,500	-540	-21,000
Cumulative Change in Groundwater in Storage	-54,700	-1,300	-132,600

Notes

¹ Due to rounding, totals do not correspond to the sum of all figures shown.

² The water year's historical water budget agricultural pumping volume was revised based on updated data.

Grey shading indicates a water year included in the historical water budget.

— = not calculated

AF = acre-feet

¹ The SABGSA lost access to several groundwater wells included in the groundwater level monitoring network between water years 2018 and 2019. The SABGSA currently has secured access agreements for 37 wells, 14 wells have unknown or pending access agreements, and 6 wells with denied access. The SABGSA continues public outreach efforts and to work with landowners to renew or establish access agreements for wells currently included, or additional wells to be included, in the Basin's groundwater level monitoring network. See Section 5.3 of the GSP (GSI and GEI, 2021).

The Paso Robles Formation change in groundwater elevation map for water year 2020 (see Figure ES-2), an above normal precipitation year, shows that groundwater levels declined by 0 to 10 feet (ft) between Los Alamos, Barka Slough, and Harris Canyon. Groundwater elevations near Los Alamos and along California State HWY 135, east of Harris Canyon and the Barka Slough area, increased by 0 to 10 ft.

The Paso Robles Formation change in groundwater elevation map for water year 2021 (see Figure ES-3), a dry precipitation year, shows that groundwater levels declined by 0 to 10 ft near Los Alamos, Barka Slough, and Harris Canyon. Groundwater elevations along California State HWY 135 and Cañada De Las Flores increased by 0 to 10 ft.

As summarized above, due to the difference in spatial distribution of groundwater elevation data points for the Careaga Sand between water years 2018 and 2019, no change in groundwater in storage map was generated for water year 2019. The change in groundwater in storage map generated by the two groundwater elevation contour maps is not representative of basin conditions and therefore was not used for the change in groundwater in storage analysis. Table ES-2 presents a calculation of change in groundwater in storage for water year 2019 for the Careaga Sand.

The Careaga Sand change in groundwater elevation map for water year 2020 (see Figure ES-4), an above normal precipitation year, shows that groundwater levels declined by 0 to 10 ft along U.S. HWY 101 and California State HWY 135. Groundwater elevations near Barka Slough and northwest of Los Alamos along U.S. HWY 101, indicate a decrease of up to 30 ft. Groundwater elevations between U.S. HWY 101 and Harris Canyon increased by 0 to 10 ft.

The Careaga Sand change in groundwater elevation map for water year 2021 (see Figure ES-5), a dry precipitation year, shows a change in groundwater elevation ranging from an increase of 10 to 20 ft northwest of Los Alamos to a decrease of 30 ft or greater east of Barka Slough into the west-central uplands and east of U.S. HWY 101 near the north-central basin boundary. Groundwater elevations decreased by 0 to 10 ft near Barka Slough and north along California State HWY 1.

Table ES-2 presents the annual changes of groundwater in storage calculated for water years 2019, 2020, and 2021.

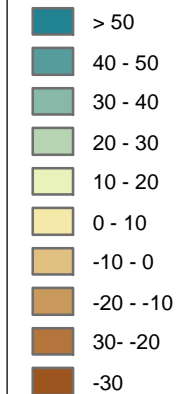
FIGURE ES-2

Paso Robles Formation Annual Change in Groundwater Elevation Fall 2019 to Fall 2020

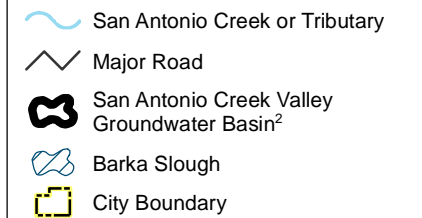
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin

LEGEND

Change in Groundwater Elevation (feet NAVD88)¹



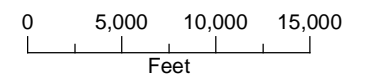
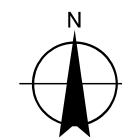
All Other Features



NOTES

- The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
- San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018),
Maxar imagery (2020)

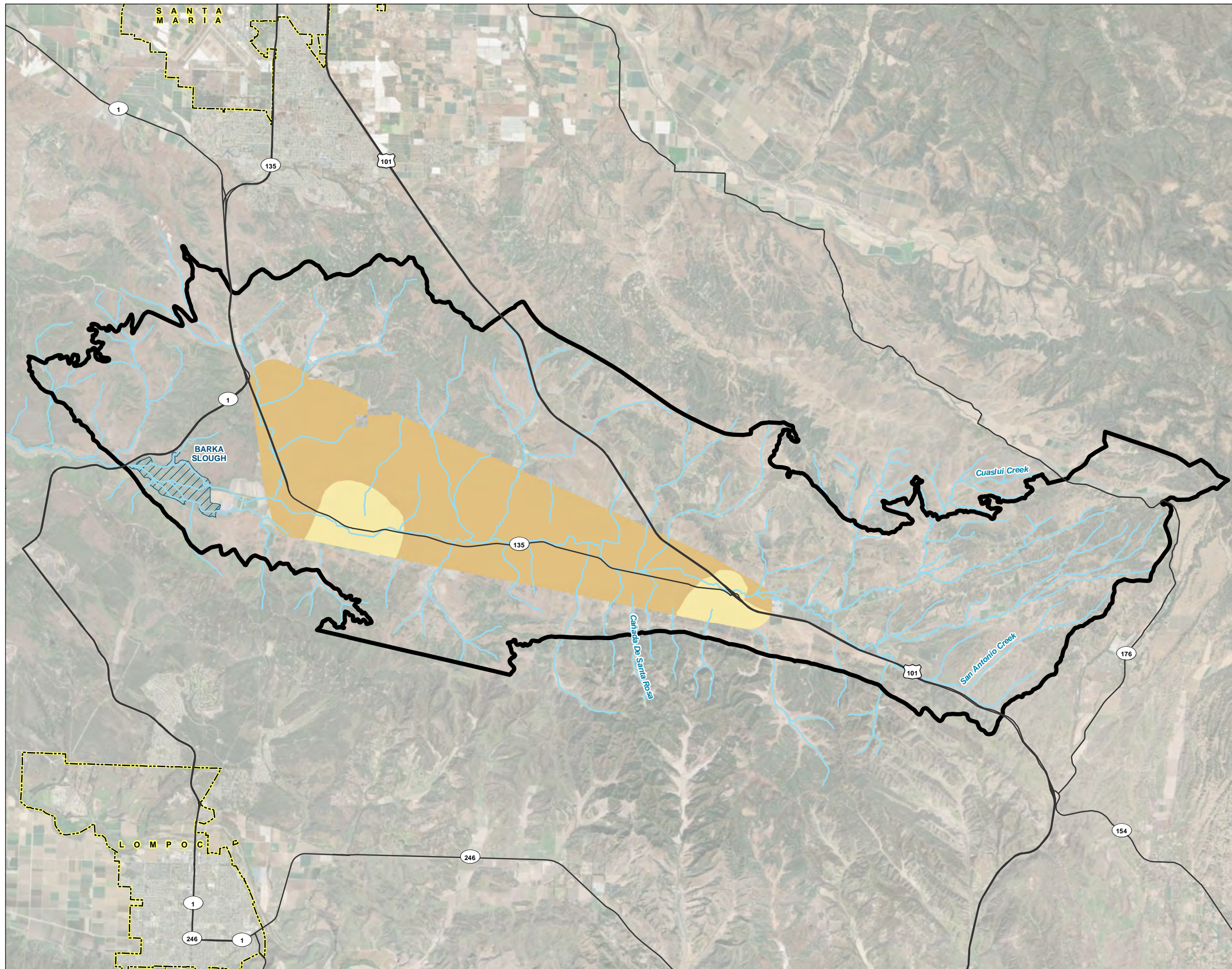
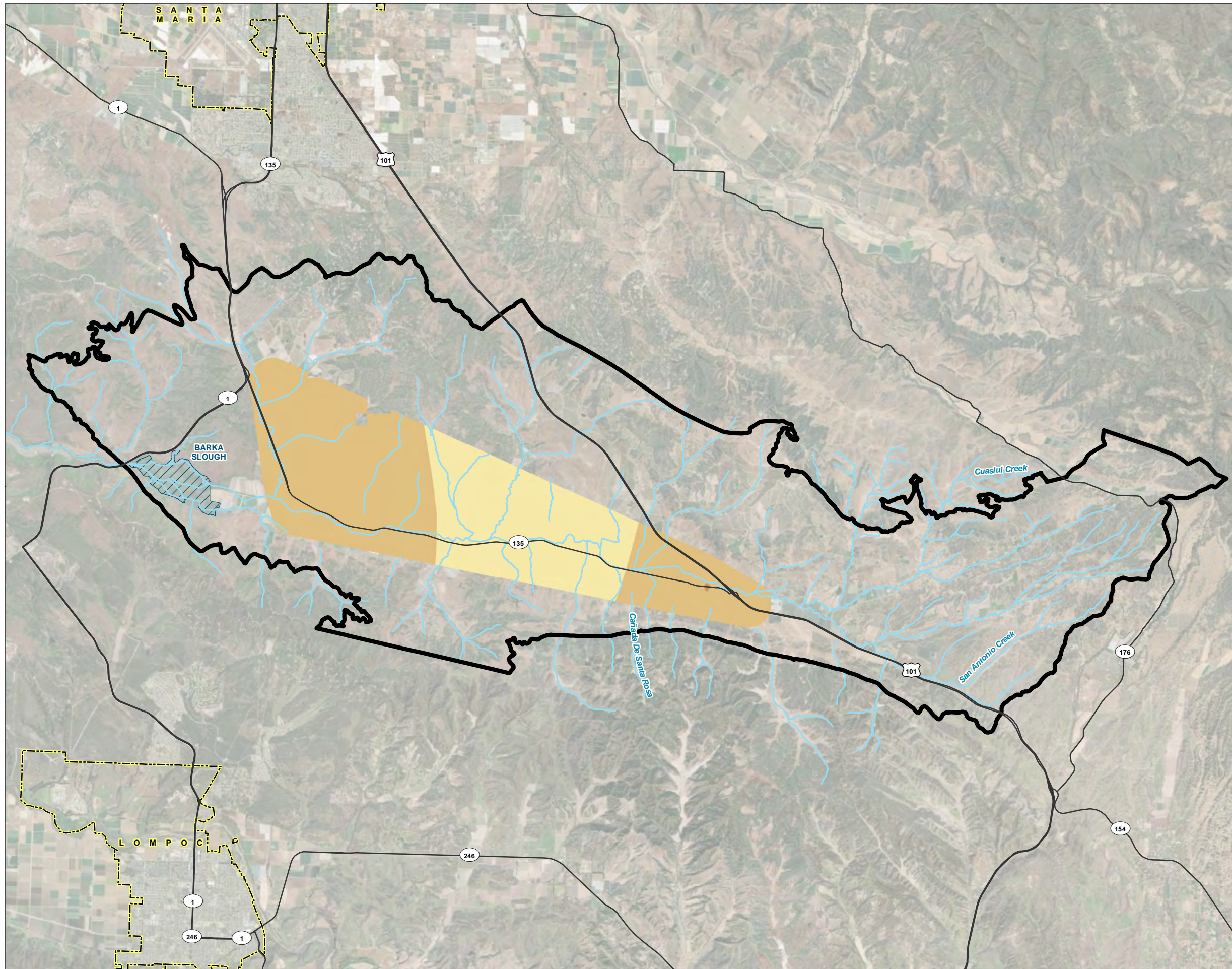


FIGURE ES-3

**Paso Robles Formation
Annual Change in
Groundwater Elevation
Fall 2020 to Fall 2021**
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin



LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

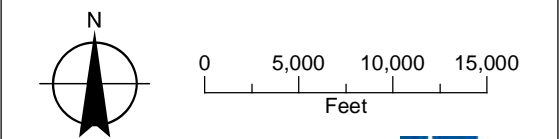
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

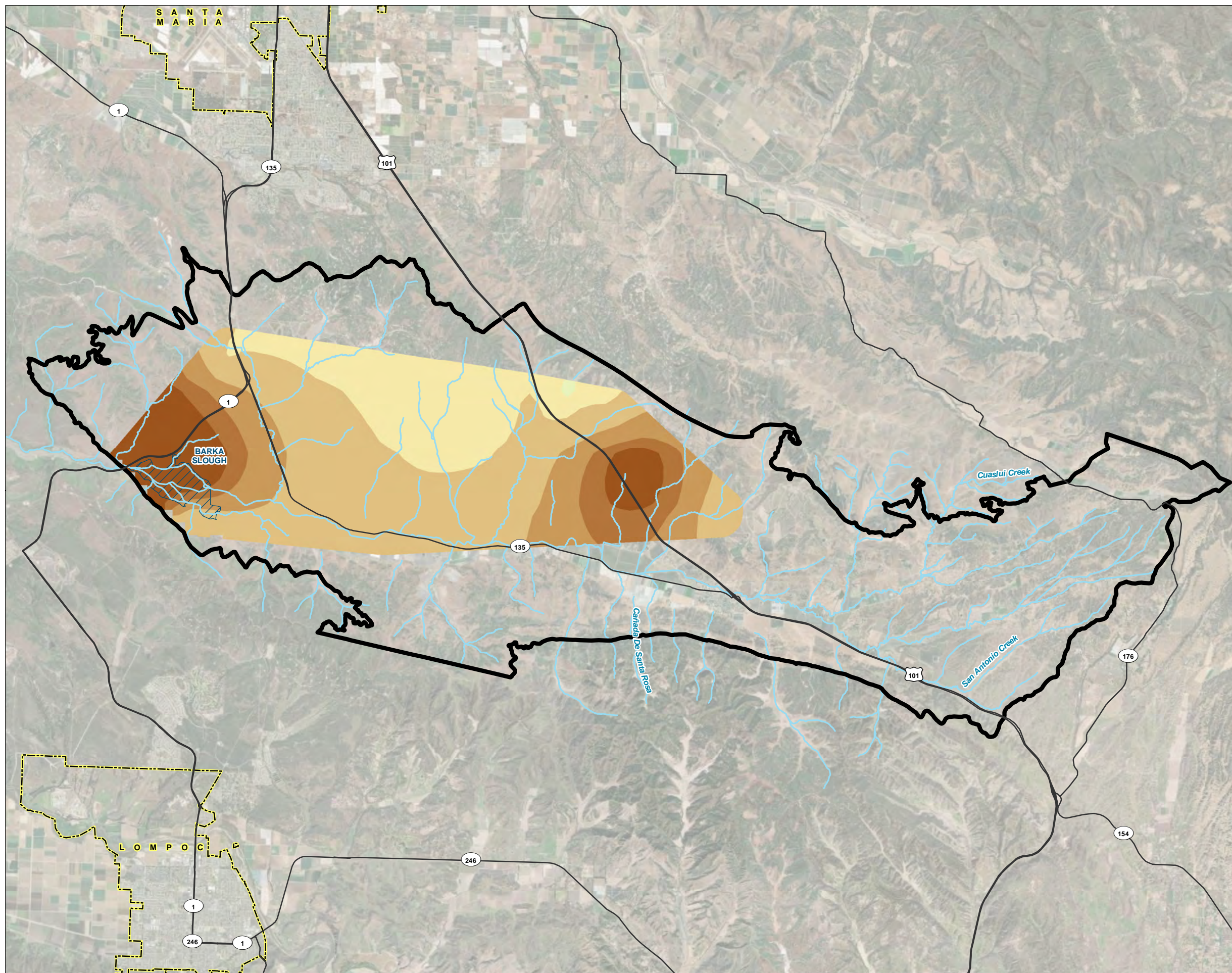
NAVD88: North American Vertical Datum of 1988



Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

FIGURE ES-4

**Careaga Sand
Annual Change in
Groundwater Elevation
Fall 2019 to Fall 2020**
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin



LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

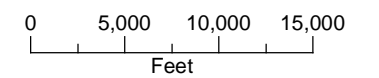
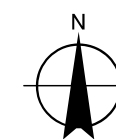
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

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Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018),
Maxar imagery (2020)



FIGURE ES-5

Careaga Sand Annual Change in Groundwater Elevation Fall 2020 to Fall 2021

Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin

LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

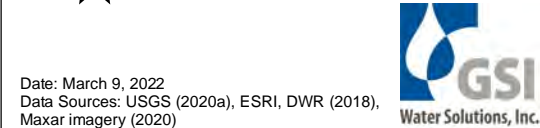
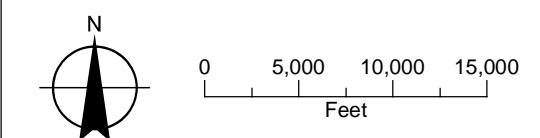
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

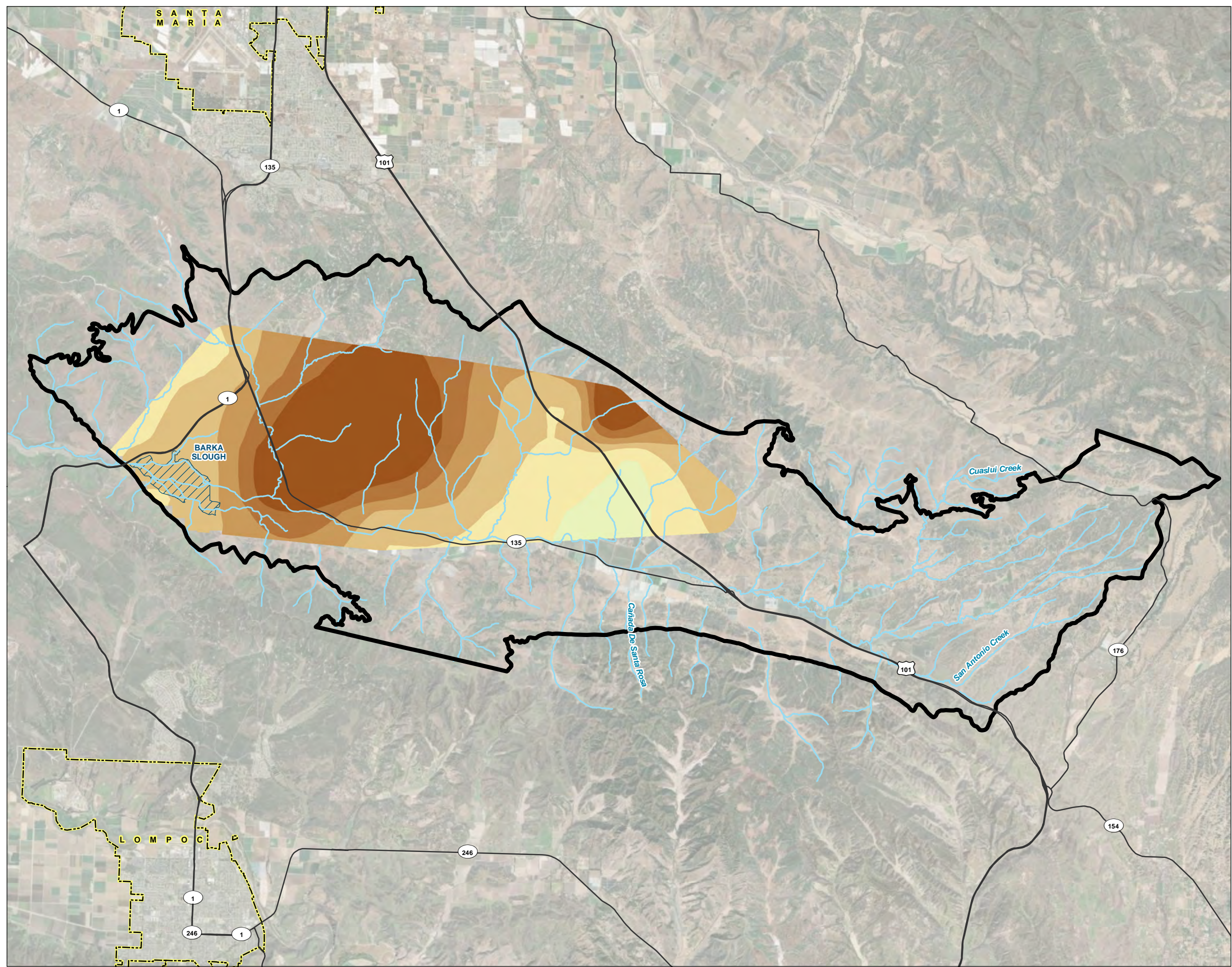
NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



ES-6 Progress toward Meeting Basin Sustainability

As stated in the GSP (GSI and GEI, 2021), tier 1 management actions are planned to be initiated within one year of GSP adoption (the GSP was adopted on December 7, 2021). These management actions are focused primarily on filling identified data gaps, developing funding for SABGSA operations and future basin monitoring, registering and metering wells, and developing new and expanding existing water use efficiency programs for implementation within the Basin. Tier 1 management actions include:

- Address Data Gaps
 - Expand Monitoring Well Network in the Basin to Increase Spatial Coverage and Well Density
 - Perform Reference Point Elevation and Video Surveys in Representative Wells That Currently Do Not Have Adequate Construction Records to Confirm Well Construction
 - Install Stream Gages and Shallow Piezometers at Barka Slough
 - Los Alamos Community Services District (LACSD) Wellfield Pumping Coordination/Offsite Well Impact Mitigation
 - Review/Update Water Usage Factors and Crop Acreages and Update Water Budget
 - Survey and Investigate Potential Groundwater-Dependent Ecosystems (GDEs) in the Basin
 - Review U.S. Geological Survey (USGS) Groundwater Model/Update Hydrogeologic Conceptual Model (HCM)
- Groundwater Pumping Fee Program
- Well Registration Program and Well Meter Installation Program
- Water Use Efficiency Programs

This 2021 Annual Report indicates that groundwater trends are consistent with conditions reported in the GSP. Groundwater elevations generally decreased or remained the same in all RMSs, resulting in an overall decrease in total groundwater in storage. Current basin conditions, comparison of current and historical groundwater elevation contour maps, and the basin historical water budget presented in the GSP, indicate groundwater pumping greater than the sustainable yield has created challenging conditions for sustainable groundwater management. Tier 1 management actions (as outlined in Section 6 of GSI and GEI, 2021, and summarized in the above bulleted list) are planned to address data gaps through improvement of the monitoring and data-collection networks, as well as program implementation (e.g., Well Registration Program and Well Meter Installation Program) for better measurement of groundwater pumping and to promote stakeholder accountability and sustainable groundwater use.

Although precipitation for water years 2019 and 2020 was above normal, groundwater elevation trends in RMSs generally indicate a declining trend. All 15 basin groundwater monitoring network RMSs were measured during this reporting period (water years 2019 to 2021); however, 4 of the 15 RMSs were last measured in June 2019 due to access issues.² None of the RMSs with an observed decrease in groundwater levels exhibit groundwater elevations at or below the minimum threshold established in the GSP.

² The SABGSA has secured land access agreements with well owners for 10 of the 15 groundwater level monitoring network RMSs. The SABGSA continues to request access agreements from well owners of the 5 outstanding RMSs, as described in Section 5.3 of the GSP (GSI and GEI, 2021).

Groundwater in storage in the Basin decreased more than 56,000 AF from the end of water year 2018 through the end of water year 2021. Groundwater pumping continues to exceed the Basin estimated sustainable yield (8,900 acre-feet per year). The planned projects and management actions, described in Section 6 of GSI and GEI, 2021, will be necessary to bring the Basin into sustainability.

Identified constituents of concern (COCs) for the degradation of groundwater quality sustainability indicator that have the potential to impact suitability of water for public supply or agricultural use in the Basin include total dissolved solids (TDS), sodium, chloride, sulfate, arsenic, nitrate, boron, and di(2-ethylhexyl)phthalate (DEHP). There are no known point source contaminant plumes in groundwater in the Basin.

Water quality data for water years 2019 to 2021 were obtained through the State Water Resources Control Board (SWRCB) Groundwater Ambient Monitoring and Assessment (GAMA) program online database and the SWRCB Division of Drinking Water (DDW) public water supply well water quality program. The table included in Appendix F summarizes average concentrations of COCs measured at groundwater wells included in the basin groundwater quality monitoring network. Average concentrations, by well and COC, are further categorized as pre-SGMA enactment (2015) and post-SGMA (2015 to last measured). DEHP is not included as a COC in the table in Appendix F because concentrations exceeding water quality regulatory standards have not been detected since 1990.

In comparison to pre-SGMA average concentrations of COCs exceeding their respective water quality regulatory standard, the number of wells with average concentrations of manganese, sodium, sulfate, and TDS increased. Similarly, the maximum reported average concentration for COCs increased for iron, manganese, sulfate, and TDS during the post-SGMA period compared to the pre-SGMA period. The minimum threshold for the degraded groundwater quality sustainability indicator (see Section 4.8 of GSI and GEI, 2021) was not exceeded during this reporting period.

Graphs comparing temporal concentrations of COCs from select wells included in the basin groundwater quality monitoring network are also included in Appendix F. Wells were selected based on period of record and location. Well groupings include East of Los Alamos, LACSD Wells, North of Los Alamos, Central Basin, and VSFB Wells. The graphs indicate concentrations of COCs (e.g., iron and manganese) exceeding SMCLs in the VSFB wells. Historical concentrations of COCs (e.g., nitrate, sodium, sulfate, and TDS) exceed the Basin's WQOs in multiple wells across the Basin. Historical concentrations of COCs, such as TDS, generally increase along the axis of the Basin. The LACSD well group indicates increasing TDS, nitrate, and sulfate concentrations over their period of record, including since 2015. Concentrations of TDS, nitrate, and sodium in the other four wells groups remained relatively stable over their period of record. Concentrations of sulfate also show increasing trends in the North of Los Alamos and Central Basin well groups over their period of record, including since 2015.

According to the California Department of Conservation, Geologic Energy Management Division online Well Finder, or WellSTAR, tool, nine named oil and gas fields are within or adjacent to the Basin: Cat Canyon, Zaca, Barham Ranch, Los Alamos, Lompoc, Harris Canyon (abandoned), Careaga, Orcutt, and Four Deer (abandoned) (see Figure 3-47 of GSI and GEI, 2021).³ The USGS, in cooperation with the SWRCB, initiated the California Oil, Gas, and Groundwater (COGG) Program in 2015.⁴ The objective of the COGG Program is to determine where and to what extent groundwater quality may be adversely impacted by proximal oil and gas development activities (Davis, et al., 2018). Results and interpretations from the COGG Program are not yet available for review, as of the writing of this report. If results and interpretations become available during the

³ Available at <https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx>. (Accessed January 12, 2022.)

⁴ Description available at <https://webapps.usgs.gov/cogg/>. (Accessed January 12, 2022.)

implementation period of the GSP, the SABGSA will consider these findings during GSP 5-year interim periods as part of the overall groundwater quality monitoring program.

Based on data available from the University NAVSTAR Consortium (UNAVCO) Continuous Global Positioning System (CGPS) Station ORES, no land subsidence in the Basin has occurred at rates exceeding the minimum threshold of 0.05 ft per year, described in the GSP, during water years 2019 to 2021. According to land surface elevation measurement collected at the CGPS station, the rate of subsidence has decreased during water years 2019 to 2021 when compared to historical water years 2016 to 2018. Available DWR Interferometric Synthetic Aperture Radar (InSAR) land subsidence data currently extends through the end of water year 2021 (available DWR InSAR land subsidence data ranges from June 2015 to October 2021). According to the DWR InSAR data, total land subsidence that occurred in the Basin ranged from -0.1 to +0.1 ft for water years 2019 to 2020 and 2020 to 2021. Although DWR InSAR data indicate a slight increase in annual rate of land subsidence (increase of 0.05 inches per year) during water years 2019 to 2020⁵ compared to water years 2015 to 2018, the increase in annual subsidence rate remains below the accuracy range (0.63 inches) of the methodology (Towill, Inc., 2020; see Section 3.2 of GSI and GEI, 2021).

The depletion of interconnected surface water sustainability indicator is measured by monitoring streamflow recorded at the Casmalia stream gage. The minimum threshold for the depletion of interconnected surface water sustainability indicator is an average streamflow of 0.15 cubic feet per second (cfs) measured at the Casmalia stream gage over three consecutive months between June to September. This minimum threshold was not reached. The lowest average measured stream flow recorded at the Casmalia stream gage between the months of June to September during water years 2019 and 2020 was 0.32 cfs (recorded in September 2020). As of this reporting, available stream flow data for water year 2021 is categorized as provisional by the USGS and could not be relied upon.

Due to the short duration of time between the adoption of the GSP and the submittal of this Annual Report, additional time is necessary to implement projects and managements actions and to evaluate their effectiveness and quantitative impacts. However, it is anticipated that the projects and management actions will enable the Basin to work toward sustainable management of groundwater and achievement of sustainability goals as defined in the GSP.

⁵ DWR InSAR vertical displacement point data was unavailable for water year 2021 at the time of review. Total annual vertical displacement was available as vertical displacement raster data.

SECTION 1: Introduction

The 2021 Annual Report for the San Antonio Creek Valley Groundwater Basin (Basin) has been prepared for the San Antonio Basin Groundwater Sustainability Agency (SABGSA) in accordance with the Sustainable Groundwater Management Act (SGMA) regulations (§ 356.2. Annual Reports) (see Appendix A). Pursuant to SGMA regulations, a Groundwater Sustainability Plan (GSP) Annual Report must be submitted to the California Department of Water Resources (DWR) by April 1 of each year following the adoption of the GSP. With adoption and submittal of the basin GSP by January 31, 2022, the Groundwater Sustainability Agencies are required to submit an Annual Report for the preceding water year (October 1 through September 30) to DWR by April 1, 2022. Because this is the first GSP Annual Report for the Basin, this report documents and updates data from October 1, 2018 through September 31, 2021.⁶

1.1 Setting and Background

The basin GSP was prepared by GSI Water Solutions, Inc. (GSI) and GEI Consultants, Inc. (GEI) (GSI and GEI, 2021), on behalf of and in cooperation with the SABGSA. The GSP, and this Annual Report, include the entire Basin (Figure 1). The Basin occupies approximately 130 square miles (DWR, 2003) in western Santa Barbara County. The Basin is bound on the north by the Solomon-Casmalia Hills and the Santa Maria Valley groundwater adjudication boundary and on the east by the San Rafael Mountains and a watershed divide separating the adjoining Santa Ynez River Valley groundwater basin. Average annual precipitation ranges from 15 to 19 inches. There are no natural lakes or water supply reservoirs in the Basin. San Antonio Creek and its tributaries are the major waterbodies. San Antonio Creek discharges into Barka Slough (Slough), an unmanaged 660-acre wetland (Martin, 1985) at the west edge of the Basin. The Basin is bound on the south by the Purisima Hills and on the west by the approximate western boundary of the Slough. The valley is drained by San Antonio Creek (DWR, 2018a; see Figure 1). The San Antonio Creek Basin has not been adjudicated. The town of Los Alamos is the largest community in the Basin. United States (U.S.) Highway (HWY) 101 is the most significant north-south highway in the Basin, with California State HWY 135 running east-west across the Basin.

1.2 Organization of This Report

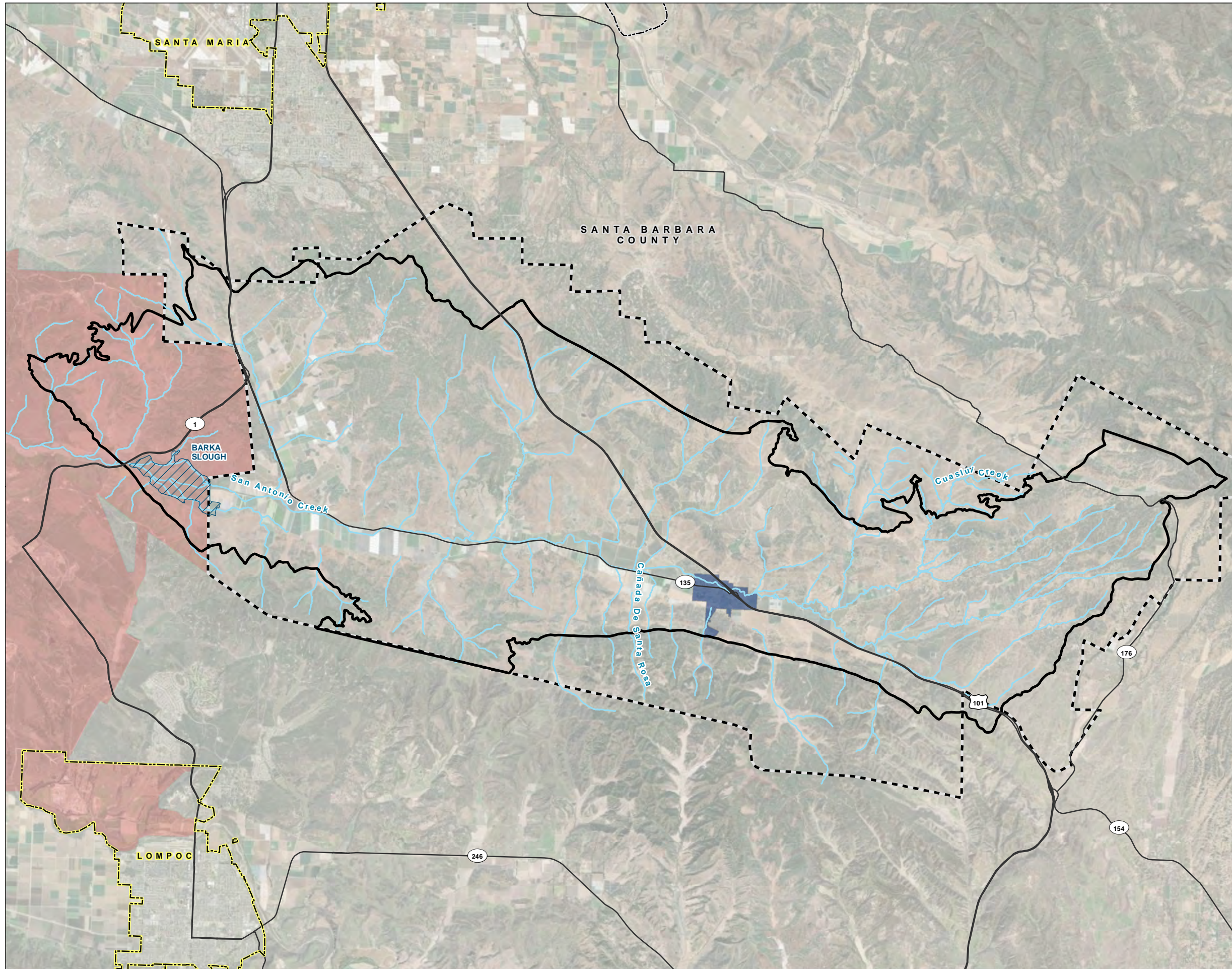
The required contents of an Annual Report are provided in the SGMA regulations (§ 356.2) (see Appendix A). Organization of the report is meant to follow the regulations where possible to assist in the review of the document. This Annual Report is organized as follows:

- **Section 1: Introduction.** A brief background of the formation and activities of the SABGSA and development and submittal of the GSP.
- **Section 2: Basin Setting and Monitoring Networks.** A summary of the basin setting, basin monitoring networks, and the ways in which data are used for groundwater management.
- **Section 3: Groundwater Elevations (§ 356.2[b][1]).** A description of recent monitoring data with groundwater elevation contours for seasonal high and low groundwater elevations and representative hydrographs.










⁶ The required timeframe of the Annual Reports, pursuant to the SGMA regulations, is by water year, which is October 1 through September 30 of any water year. However, because of the variability of monitoring schedules for each groundwater monitoring program, in some instances, fall groundwater levels for a particular water year may have been collected after the beginning of the subsequent water year.

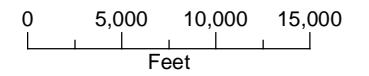
- **Section 4: Groundwater Extractions (§ 356.2[b][2][b][4]).** Compilation of metered and estimated groundwater extractions by land use sector and approximate locations of extraction.
- **Section 5: Surface Water Use (§ 356.2[b][3]).** No surface water use occurs in the Basin and therefore Section § 356.2[b][3] of DWR GSP Emergency Regulations is not applicable to the Basin.
- **Section 6: Change in Groundwater in Storage (§ 356.2[b][5]).** A description of the methodology and presentation of changes in groundwater in storage based on annual groundwater elevation differences.
- **Section 7: Progress toward Basin Sustainability (§ 356.2[c]).** A summary of management actions taken throughout the Basin by the SABGSA and individual entities toward sustainability of the Basin.
- **Section 8: References.**

FIGURE 1
San Antonio Creek Valley
Groundwater Basin Plan Area
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



LEGEND

-  Los Alamos Community Services District
-  Vandenberg Space Force Base
- All Other Features**
-  San Antonio Creek Valley Groundwater Basin
-  Barka Slough
-  San Antonio Basin Water District
-  County Boundary
-  City Boundary
-  Major Road
-  San Antonio Creek or Adjacent Tributary



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI,
 DWR (2018), Maxar imagery (2020)



SECTION 2: Basin Setting and Monitoring Networks

2.1 Introduction

This section provides a summary of the basin setting and the groundwater management monitoring programs described in detail in the GSP, as well as any notable events affecting monitoring activities or the quality of monitoring results in the reported water years 2019 to 2021. Much of the information in this Annual Report was taken from the GSP prepared by GSI and GEI (2021).

2.2 Basin Setting

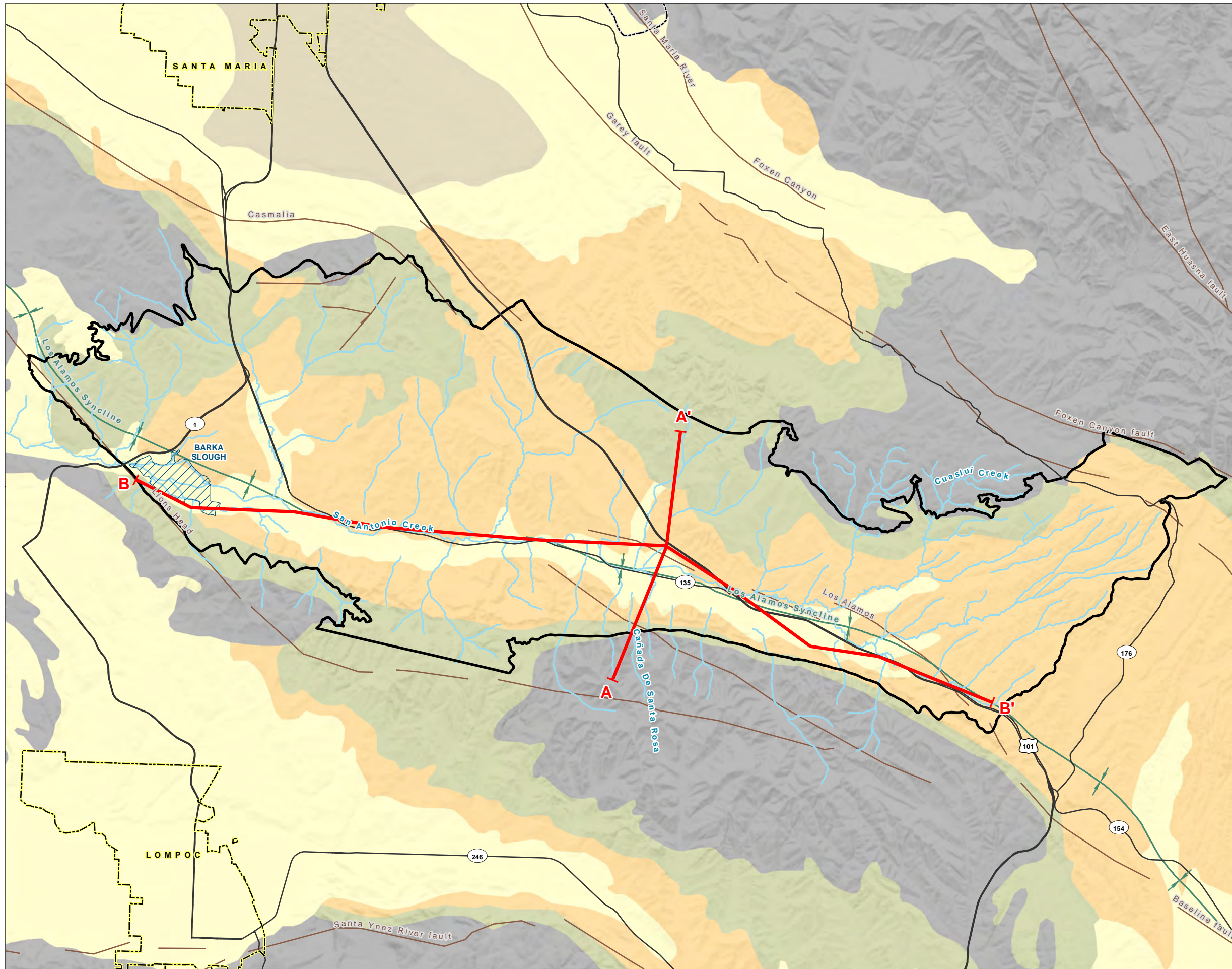
The Basin is long, narrow, and structurally controlled by the underlying Los Alamos Syncline (Hutchinson, 1980). Topographical highs within the Basin occur at an elevation of approximately 1,200 feet (ft) above mean sea level (amsl) along the ridges that define the northern (Casmalia Hills and Solomon Hills) and southern (Purisima Hills and Burton Mesa) basin boundaries. Topographical lows of the Basin occur along the relatively flat and narrow valley floor, coincident with the axis of the Los Alamos Syncline. Ground surface elevations along the valley floor occur at elevations ranging from approximately 800 ft amsl to the east to 250 ft amsl at the western edge of the Slough (an approximate 650-acre wetland [Martin, 1985]) (Hutchinson, 1980). No surface water or groundwater flow into the Basin. San Antonio Creek meanders along the valley floor and is fed by tributaries including Cuaslui Creek, Cañada De Santa Rosa, and Harris Canyon Creek. Groundwater and surface water discharge into the Slough at the western end of the Basin before discharging from the Slough into a leg of San Antonio Creek west of the basin boundary. There are no natural lakes or water supply reservoirs in the Basin.

Figure 1 shows the lateral boundaries of the Basin as defined by DWR in Bulletin 118. The bottom of the Basin is generally defined as the base of the Pliocene-age Careaga Sand. The basin bottom is considered a barrier to flow because the geologic units underlying the Careaga Sand are considered impermeable and produce limited quantities of water. In addition, groundwater is generally suspected to be of poor quality (Muir, 1964). Therefore, these units are not considered part of the Basin. Figures 2 and 3 include a geological map with cross section locations and geological cross sections, respectively, that illustrate the vertical boundaries of the Basin and the approximate depth to the bottom of the Careaga Sand.

The basin lateral boundaries are as follows:

- The western boundary of the Basin is defined by a bedrock ridge underlying the western edge of the Slough. The bedrock ridge forces virtually all groundwater to the surface as base flow in the San Antonio Creek or as vertical flux into the Slough (see Figure 4 for conceptualized surface and groundwater discharge into the Slough).
- The northern boundary of the Basin is defined by the outcropping of the impermeable consolidated bedrock underlying the Careaga Sand in the Casmalia and Solomon Hills.
- The eastern boundary of the Basin is defined by the outcropping of the impermeable consolidated bedrock underlying the Careaga Sand in the San Rafael Mountains.
- The southern boundary is defined by the outcropping of the impermeable consolidated bedrock underlying the Careaga Sand in the Purisima Hills.

FIGURE 2
Geologic Map of the
San Antonio Creek Valley
Groundwater Basin
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin

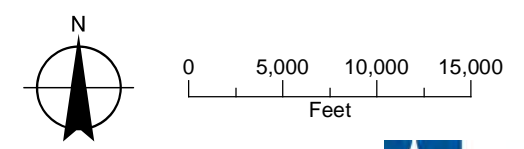


LEGEND

- Cross Section Line
- San Antonio Creek or Adjacent Tributary
- Barka Slough
- B118 San Antonio Creek Valley Groundwater Basin
- Geology**
- Fault
- Syncline
- Channel Alluvium
- Paso Robles Formation
- Lake Deposits
- Careaga Sand
- Bedrock
- All Other Features**
- County Boundary
- City Boundary
- Major Road

NOTES

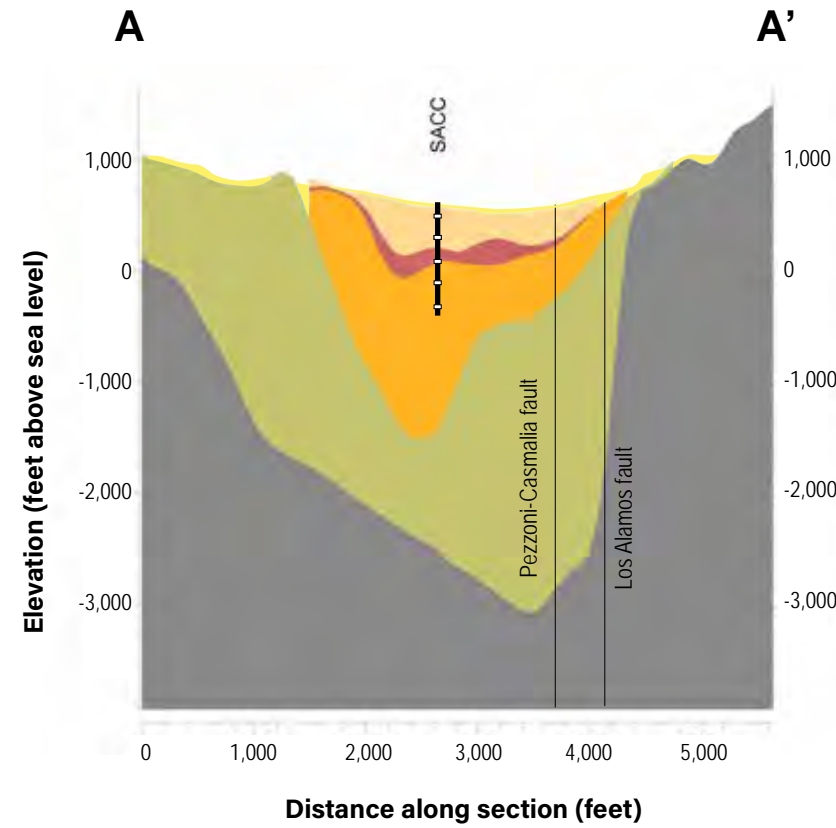
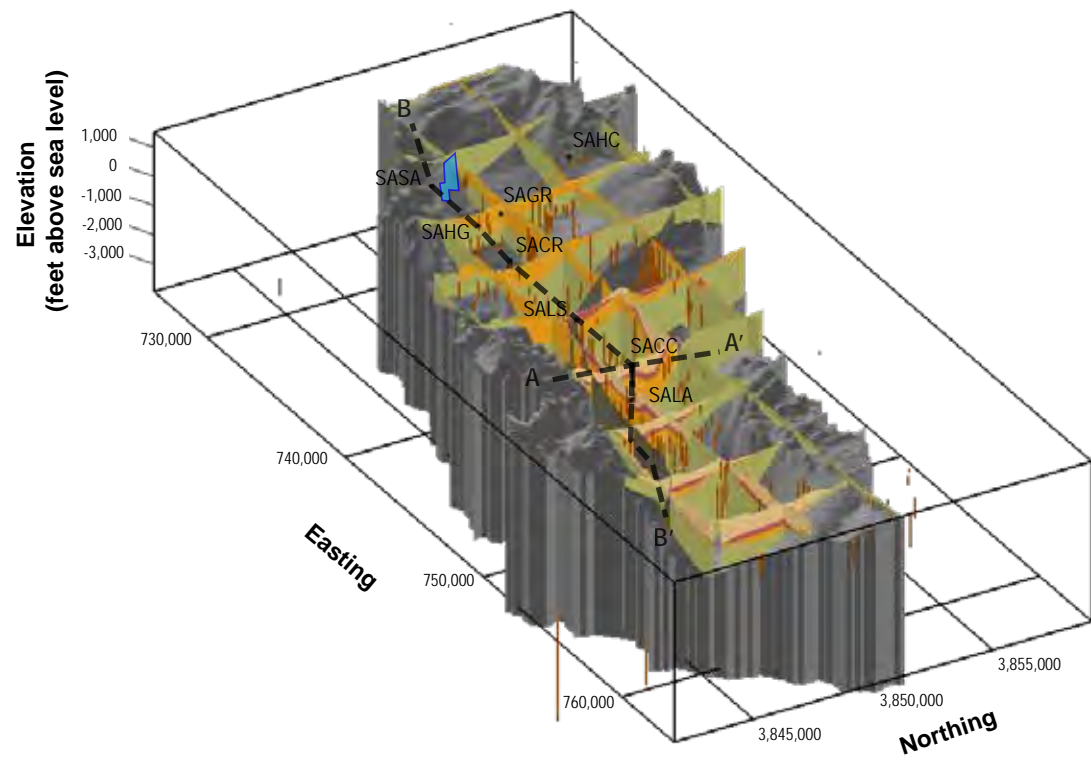
1. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.
2. Geologic cross sections shown on Figure 3.



Date: January 31, 2022
 Data Sources: USGS (2020b), ESRI, DWR (2018), Diblee & Ehrenspeck (1989, 1993a, 1993b, 1994)



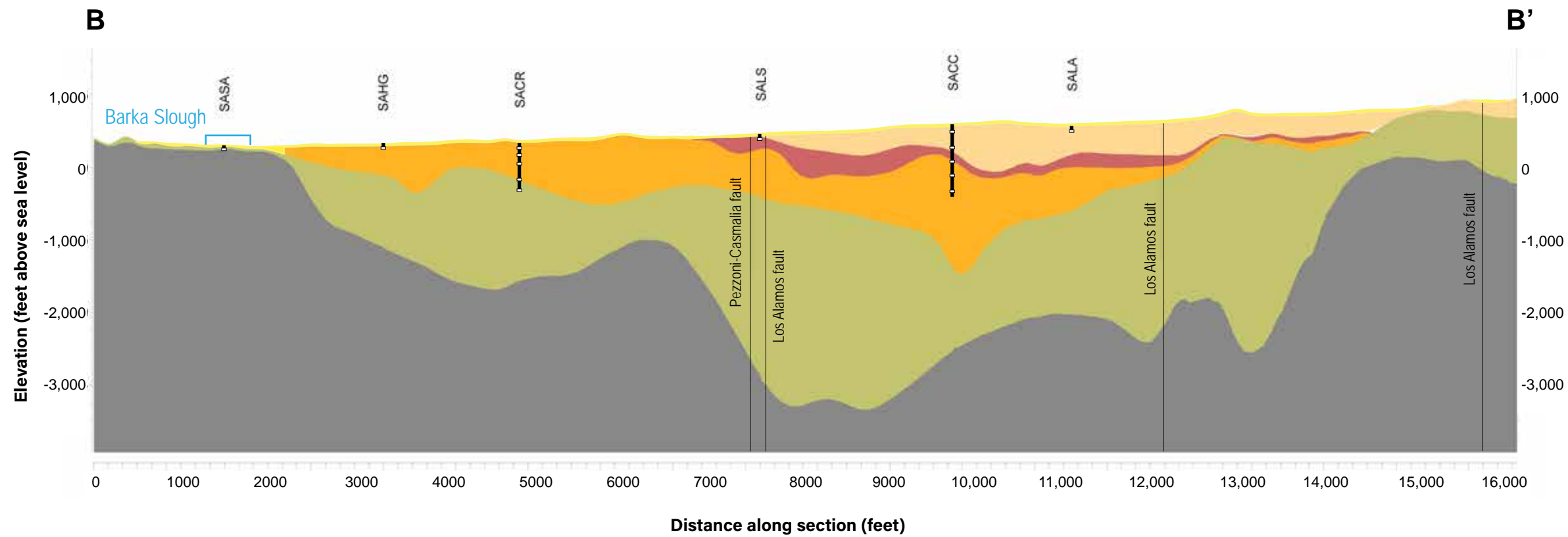
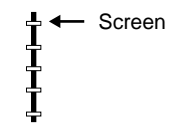
FIGURE 3
Geologic Cross Sections,
San Antonio Creek Valley
Groundwater Basin
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



LEGEND

- Channel Alluvium
- Upper member - Paso Robles Formation
- Middle member - Paso Robles Formation
- Lower member - Paso Robles Formation
- Careaga Sand
- Consolidated bedrock

WELL LEGEND

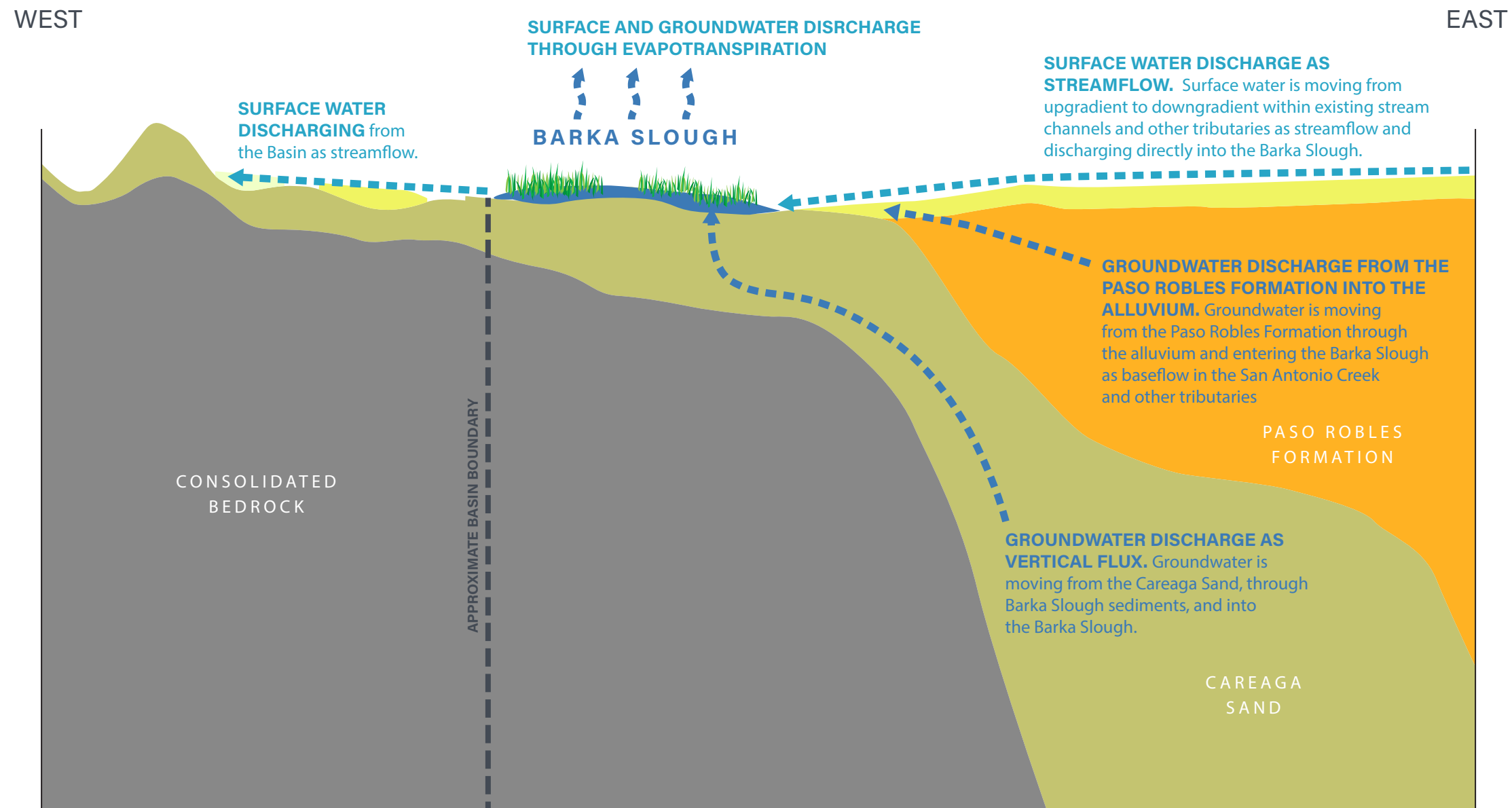


NOTE

Geologic cross section locations shown on Figure 2.
 Date: January 31, 2022
 Data Sources: USGS (2020b)



FIGURE 4
Conceptualized Surface Water and Groundwater Discharge into Barka Slough
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



LEGEND

- Channel Alluvium
- Paso Robles Formation
- Careaga Sand
- Consolidated Bedrock

NOTE

View looking north
 Date: January 31, 2022
 Data Sources: USGS (2020b)



Two principal aquifers have been identified in the Basin, the Paso Robles Formation and the Careaga Sand. The Paso Robles Formation is approximately 2,000 ft thick and much of it is saturated. Large exposures of the formation north and east of the valley receive direct infiltration of rainfall, particularly in upper elevations. The Paso Robles Formation is likely also recharged by seepage from the alluvium present beneath San Antonio Creek and its tributaries and from upward leakage from the underlying Careaga Sand in some areas of the Basin. Vertical heterogeneity in the water-bearing properties of the Paso Robles Formation is the result of coarse-grained beds that yield water freely to wells alternating with fine-grained beds that do not. Higher well yields are typically attributed to the wells that penetrate several of the coarse-grained lenses. Yields of 500 gallons per minute (gpm) and specific capacities of 5 gpm to 15 gallons per minute per foot (gpm/ft) of drawdown are common (see Appendix D). A storage coefficient of 0.15 was calculated for the Paso Robles Formation (Martin, 1985). Historically, artesian groundwater occurred locally in the Paso Robles Formation (Muir, 1964). Artesian conditions exist presently within the Paso Robles Formation (although, they are less frequently observed than in the past) and were observed in a completed agricultural well as recently as 2020. Dependent on location within the Basin, artesian conditions are due to localized confining layers created by the synclinal structure of the Basin, the presence of overlying fine-grained deposits, and or faults present within the Basin, such as the Los Alamos Fault and the Pezzoni-Casmalia Fault (Carlson, 2019; USGS, 2021).

The Careaga Sand is approximately 1,500 ft thick and much of the formation is saturated. There are large exposures of the formation in the Purisima Hills, Solomon Hills, and the Casmalia Hills that receive direct infiltration of rainfall at higher elevations. The formation passes below the valley at a depth of several thousand feet. The upper member of the Careaga Sand is coarse grained and uniformly graded. The Careaga Sand has a large storage capacity and transmits water readily to wells and to the overlying younger formations (Muir, 1964). Yields of less than 100 and exceeding 1,000 gpm and specific capacities of less than 10 to more than 30 gpm/ft of drawdown have been measured in wells completed in the Careaga Sand (see Appendix D). A storage coefficient of 0.001 for the confined portion (the Slough area) of the Careaga Sand was calculated (Martin, 1985).

The primary components of groundwater recharge to the basin aquifers are mountain front recharge, streamflow percolation, deep percolation of direct precipitation, and agricultural irrigation return flow. Natural groundwater discharge from the basin aquifers occurs through springs and seeps, evapotranspiration, and discharge to surface water bodies. The most significant component of groundwater discharge is pumping of groundwater from wells. The regional direction of groundwater flow is from east to west. Due to the synclinal structure of the Basin, there is no flow of groundwater between the Basin and adjacent groundwater basins. Virtually all natural groundwater discharge in the Basin occurs as discharge to San Antonio Creek (baseflow) or as vertical flux into the Slough due to the bedrock high underlying the western portion of the Slough.

2.3 Precipitation and Climatic Periods

Annual precipitation recorded at the Los Alamos Fire Station (LAFS) precipitation station (Santa Barbara County station 204), cumulative departure from mean annual precipitation, and water year type are presented in Figure 5. The long-term average annual precipitation for the period 1910 through 2021 at the LAFS is 15.23 inches per water year. Water year type were identified using DWR guidance (DWR, 2021). Water years are categorized according to the following designations: wet, above normal, below normal, dry, and critical (see Table 1). Climatic conditions (historical wet-dry cycles) were also identified by evaluating the cumulative departure from mean annual precipitation measured at the Los Alamos Fire Station. Climatic conditions are categorized as wet, neutral/variable, and dry (see Table 1). Historical precipitation records are provided in Appendix B.

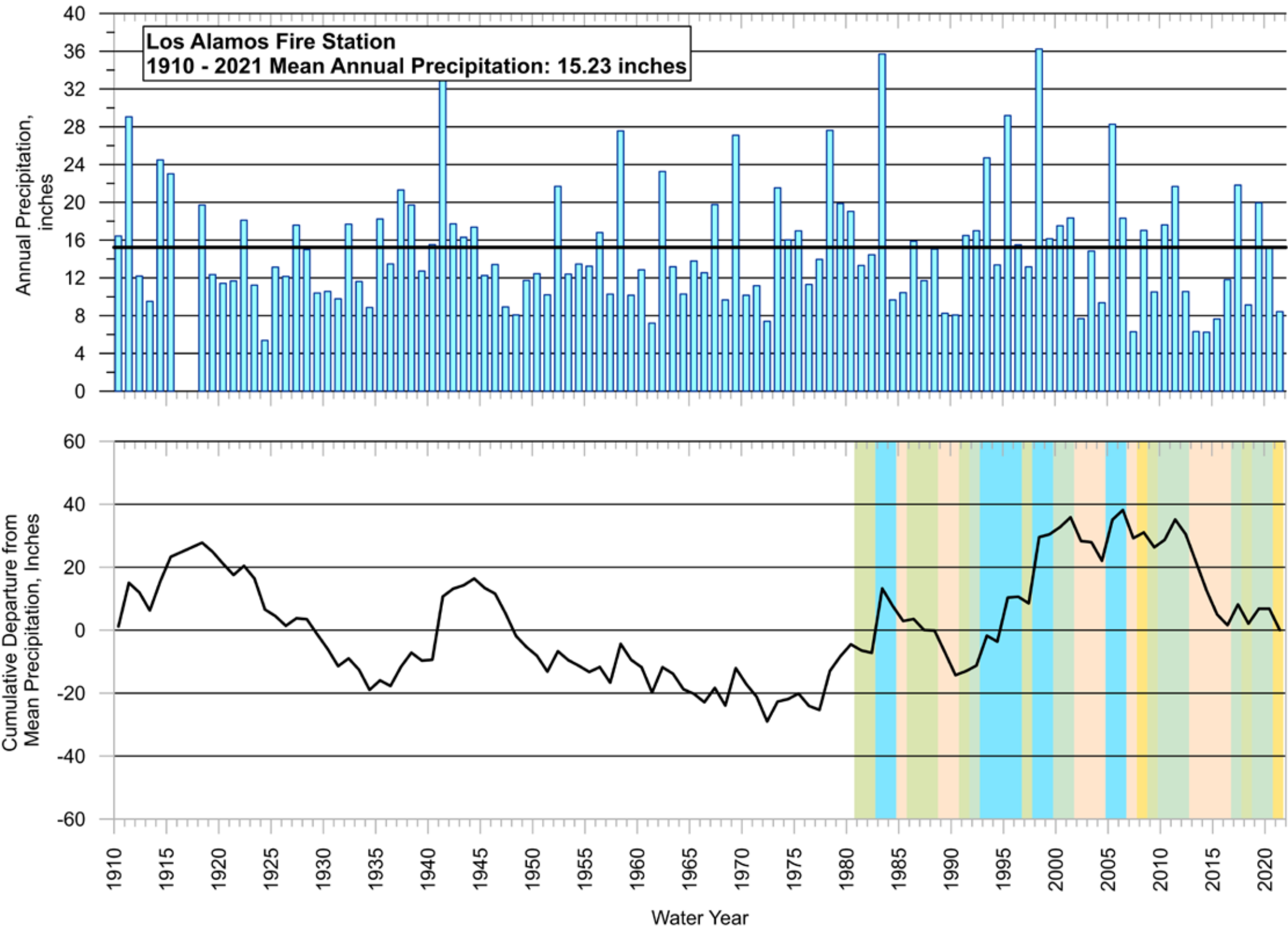


FIGURE 5
Los Alamos Fire Station
Annual Precipitation and
Cumulative Departure from
Mean Annual Precipitation
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin

- Legend**
- Cumulative Departure
 - Wet
 - Above Normal
 - Below Normal
 - Dry
 - Critical



Table 1. San Antonio Creek Valley Groundwater Basin Water Year Types

Water Year	Sum of Annual Precipitation (inches)	Water Year Index ¹	Water Year Type ¹	Climatic Condition ²
1981	13.3	15.6	Below Normal	Wet
1982	14.4	14.0	Below Normal	Wet
1983	35.7	27.2	Wet	Wet
1984	9.7	20.1	Wet	Dry
1985	10.4	10.1	Critical	Dry
1986	15.9	13.7	Below Normal	Dry
1987	11.7	13.4	Below Normal	Dry
1988	15.1	13.7	Below Normal	Dry
1989	8.2	11.0	Critical	Dry
1990	8.1	8.1	Critical	Dry
1991	16.5	13.1	Below Normal	Wet
1992	17.0	16.8	Above Normal	Wet
1993	24.7	21.6	Wet	Wet
1994	13.4	17.9	Wet	Wet
1995	29.2	22.9	Wet	Wet
1996	15.5	21.0	Wet	Wet
1997	13.2	14.1	Below Normal	Wet
1998	36.2	27.0	Wet	Wet
1999	16.2	24.2	Wet	Neutral/Variable
2000	17.5	17.0	Above Normal	Neutral/Variable
2001	18.3	18.0	Above Normal	Neutral/Variable
2002	7.7	11.9	Critical	Neutral/Variable
2003	14.8	12.0	Critical	Neutral/Variable
2004	9.4	11.5	Critical	Neutral/Variable
2005	28.3	20.7	Wet	Neutral/Variable
2006	18.3	22.3	Wet	Neutral/Variable
2007	6.3	11.1	Critical	Neutral/Variable
2008	17.0	12.7	Dry	Neutral/Variable
2009	10.5	13.1	Below Normal	Neutral/Variable
2010	17.6	14.8	Above Normal	Neutral/Variable
2011	21.7	20.1	Above Normal	Neutral/Variable
2012	10.6	15.0	Above Normal	Dry
2013	6.3	8.0	Critical	Dry
2014	6.2	6.3	Critical	Dry
2015	7.6	7.1	Critical	Dry

Water Year	Sum of Annual Precipitation (inches)	Water Year Index ¹	Water Year Type ¹	Climatic Condition ²
2016	11.8	10.1	Critical	Dry
2017	21.8	17.8	Above Normal	Dry
2018	9.1	14.2	Below Normal	Dry
2019	19.9	15.6	Above Normal	Dry
2020	15.2	17.1	Above Normal	Dry
2021	8.4	11.1	Dry	Dry

Notes

¹ As defined in DWR's SGMA Water Year Type Dataset Development Report (DWR, 2021) using precipitation measured at the Los Alamos Fire Station.

² The climatic conditions are defined using the cumulative departure from mean annual precipitation measured at the Los Alamos Fire Station, as presented in the GSP (see Section 3.3 of GSI and GEI, 2021).

DWR = California Department of Water Resources

GSP = Groundwater Sustainability Plan

2.4 Groundwater Elevation Monitoring (§ 356.2[b])

This section provides a brief description of the groundwater monitoring and management programs and notable events, if any, impacting monitoring activities or the quality of monitoring results.

2.4.1 Groundwater Elevation Monitoring Locations

The GSP provided a summary of existing groundwater monitoring efforts promulgated under various existing local, state, and federal programs. SGMA requires that monitoring networks be developed to provide sufficient data quality, frequency, and spatial distribution to characterize groundwater and surface water in the Basin, and to evaluate changing aquifer conditions in response to GSP implementation. The monitoring network developed in the GSP is intended to support efforts to do the following:

- Monitor changes in groundwater conditions and demonstrate progress toward achieving measurable objectives and minimum thresholds documented in the GSP
- Quantify annual changes in water use
- Monitor impacts to the beneficial uses and users of groundwater

Monitoring networks are developed for each of the five sustainability indicators applicable to the Basin:

- Chronic lowering of groundwater levels
- Reduction of groundwater in storage
- Degraded water quality
- Land subsidence
- Depletion of interconnected surface water

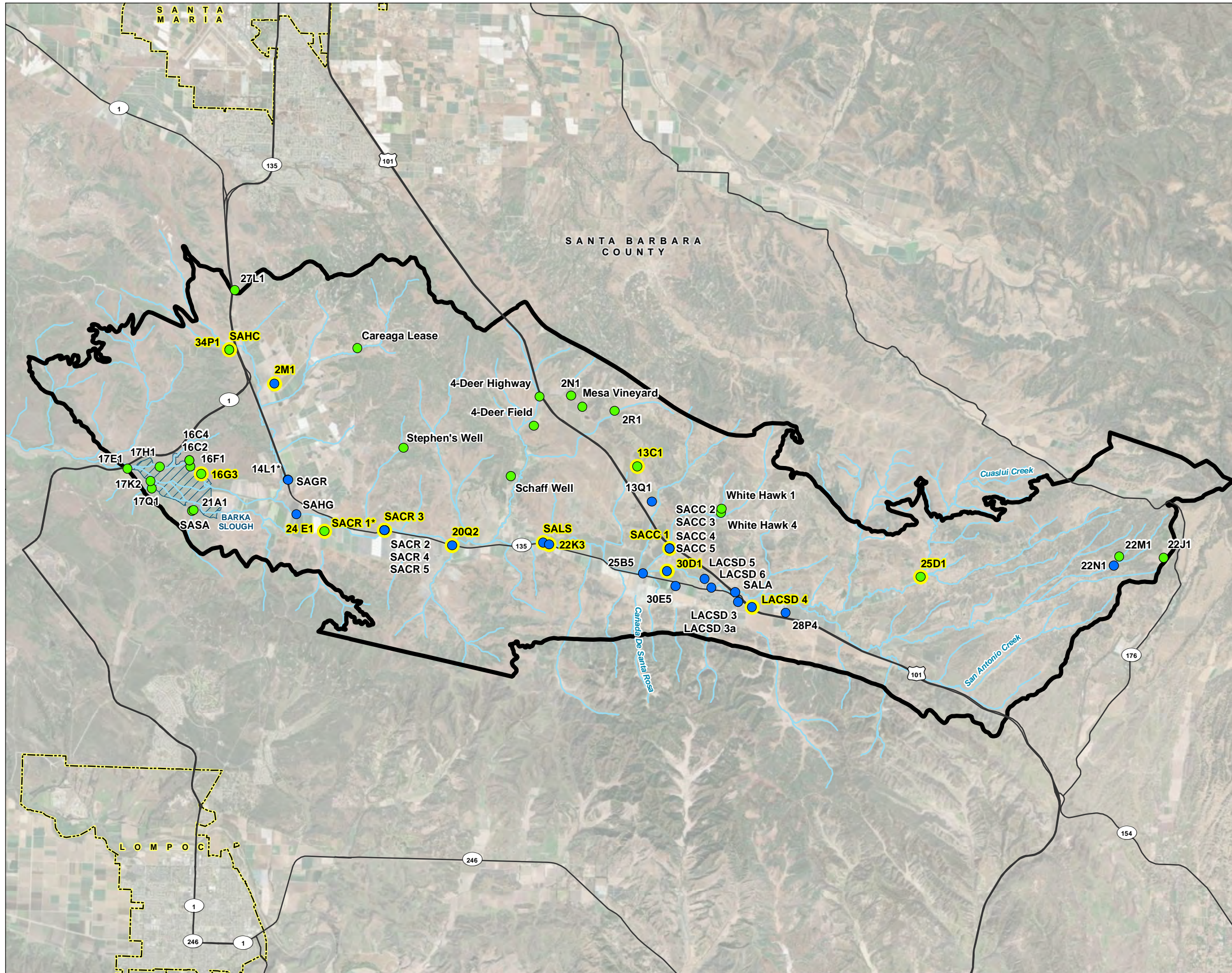
Monitoring for the first two sustainability indicators (chronic lowering of water levels and reduction of groundwater in storage) is implemented using the same representative monitoring sites (RMSs). The GSP identifies an existing network of 15 RMS wells for water level monitoring (GSI and GEI, 2021). Of these 15 wells, 8 wells are screened in the Paso Robles Formation, and 7 wells are screened in the Careaga Sand. The RMSs are displayed in Figure 6, and a summary of information for each of the wells is included in Appendix C.

2.4.2 Water Level Monitoring Data Gaps

Although the existing groundwater level monitoring network satisfies the well density guidance cited in the best management practice (BMP) guidance for monitoring networks developed by DWR (DWR, 2016a and 2016b), there are areas identified within the Basin (see Figure 5-3 in GSI and GEI, 2021) where the addition of monitoring wells would improve the hydrogeologic conceptual model (HCM) discussed in this section. Two areas with a low-density of wells in both principal aquifers were identified in the Basin: the eastern uplands and the central to northwestern uplands. The State Water Resources Control Board (SWRCB) Irrigated Lands Regulatory Program (ILRP) indicates that private agricultural supply wells have been identified in the eastern uplands area. An effort is being made during GSP implementation to contact owners of wells in the eastern uplands area to determine whether they can be included in the monitoring program. Including these additional wells in the groundwater level monitoring network would minimize the uncertainty of groundwater elevation trends and benefit sustainable management of the Basin. Two wells in the central to northwestern uplands area, completed in the Careaga Sand, were previously monitored by the USGS or the SABGSA. However, well access has been denied by the well owners. The SABGSA continues to negotiate access to these wells.

Well completion reports (WCRs) are available online through DWR's Online System for Well Completion Reports (OSWCR) database; however, the WCR identification numbers are unknown for many of the wells in the groundwater level monitoring network and therefore it is not possible to always identify the associated WCRs. These are data gaps that the SABGSA is working to address to improve the accuracy of the HCM and understanding of groundwater flow in the Basin.

FIGURE 6
Wells Included in the
San Antonio Creek Valley
Groundwater Basin
Groundwater Monitoring Network
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



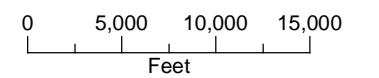
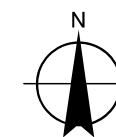
LEGEND

- Representative Well
- Wells (by screened aquifer)**
- Paso Robles Formation
- Careaga Sand
- All Other Features**
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

*SACR 1 and 14L1 are screened in the Careaga Sand.

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

2.5 Groundwater Quality Monitoring

Evaluation of the water quality sustainability indicator is achieved through existing groundwater quality monitoring networks including the SWRCB Division of Drinking Water (DDW) public supply well water quality program and the SWRCB ILRP. Constituents of concern (COCs) identified in the GSP are based on state and federal regulatory standards (maximum contaminant levels [MCLs] and secondary MCLs [SMCLs]) for drinking water established by the SWRCB DDW and the U.S. Environmental Protection Agency (EPA), respectively.⁷ For agricultural uses, constituents of concern are based on basin water quality objectives (WQOs) presented in the *Water Quality Control Plan for the Central Coastal Basin* (Basin Plan) (RWQCB, 2019). COCs that have the potential to impact suitability of water for public supply or agricultural use include total dissolved solids (TDS), sodium, chloride, sulfate, arsenic, nitrate, boron, and di(2-ethylhexyl)phthalate (DEHP). There are no known point source contaminant plumes in groundwater in the Basin.

The groundwater quality monitoring network includes eight municipal drinking water supply wells. Four of the municipal drinking water supply wells are completed in the Paso Robles Formation, and four are completed in the Careaga Sand. The wells completed in the Paso Robles Formation are owned and operated by the Los Alamos Community Services District (LACSD) and located near Los Alamos. The wells completed in the Careaga Sand are owned and operated by Vandenberg Space Force Base (VSFB) (formerly Vandenberg Air Force Base) and located on the north side of the Slough.

There is a total of 81 ILRP wells in the groundwater quality monitoring network; 21 wells were determined to be domestic supply wells based on their USGS Groundwater Ambient Monitoring and Assessment (GAMA) program identification number, and 60 wells were determined to be agricultural supply wells. Well construction information is unknown for the majority of ILRP wells. Some well construction information has been compiled for the domestic wells using DWRs OSWCR. A map and table including well location and well information, respectively, for wells included in the groundwater quality monitoring network are included in Appendix F.

In comparison to pre-SGMA average concentrations of COCs exceeding their respective water quality regulatory standard, the number of wells with average concentrations of manganese, sodium, sulfate, and TDS increased. Similarly, the maximum reported average concentration for COCs increased for iron, manganese, sulfate, and TDS during the post-SGMA period compared to the pre-SGMA period. The minimum threshold for the degraded groundwater quality sustainability indicator (see Section 4.8 of GSI and GEI, 2021) was not exceeded during this reporting period.

According to the California Department of Conservation, Geologic Energy Management Division online Well Finder, or WellSTAR, tool, nine named oil and gas fields are within or adjacent to the Basin: Cat Canyon, Zaca, Barham Ranch, Los Alamos, Lompoc, Harris Canyon (abandoned), Careaga, Orcutt, and Four Deer (abandoned) (see Figure 3-47 of GSI and GEI, 2021).⁸ The USGS, in cooperation with the SWRCB, initiated the California Oil, Gas, and Groundwater (COGG) Program in 2015.⁹ The objective of the COGG Program is to determine where and to what extent groundwater quality may be adversely impacted by proximal oil and gas development activities (Davis, et al., 2018). Results and interpretations from the COGG Program are not yet available for review, as of the writing of this report. If results and interpretations become available during the implementation period of the GSP, the SABGSA will consider these findings during GSP 5-year interim periods as part of the overall groundwater quality monitoring program.

⁷ The list of MCLs and SMCLs is available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.html. (Accessed January 12, 2022.)

⁸ The tool is available at <https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx>. (Accessed January 12, 2022.)

⁹ Description available at <https://webapps.usgs.gov/cogg/>. (Accessed January 12, 2022.)

2.6 Land Subsidence Monitoring

Land subsidence in the Basin is monitored at the University NAVSTAR Consortium (UNAVCO) Continuous Global Positioning System (CGPS) Station ORES in the town of Los Alamos, near Los Alamos Park. Land subsidence in the Basin is also measured using interferometric synthetic-aperture radar (InSAR) data collected using microwave satellite imagery provided by DWR. Available data to date indicate (1) land subsidence rates have not exceeded rates observed from 2000 through 2020 at the UNAVCO CGPS ORES; and (2) land subsidence has not occurred that causes significant and unreasonable damage to groundwater supply, land uses (including agricultural, residential, rural residential, and town buildings), infrastructure (including LACSD wells, WWTP, and associated infrastructure), and property interests. The SABGSA will annually assess subsidence using the UNAVCO CGPS and InSAR data provided by DWR. UNAVCO CGPS and InSAR data are included in Appendix G.

2.7 Interconnected Surface Water Monitoring

The interconnected surface water monitoring network includes monitoring stream flow recorded at the USGS operated Casmalia stream gage (11136100) located 2.5 miles west of the Slough and calculating groundwater vertical flux using continuously monitored nested well set 16C2 and 16C4 (included in the Groundwater Level Monitoring Network). The SABGSA intends to improve the monitoring network through installation of two surface water gages on San Antonio Creek: one upstream and one downstream of the Slough to measure surface water inflow and outflow to the Slough and assess surface water depletion and potential for impacts to the Slough. The SABGSA also plans to assess the feasibility of installing shallow piezometers within the sediments underlying the Slough. If achievable, the piezometers will provide important data regarding the elevation of the water table relative to the plant rooting depths in the Slough. Measured surface water flow at the Casmalia stream gage averaged above 0.15 cubic feet per second (cfs) over three consecutive months from June to September (Depletion of Interconnected Surface Water Minimum Threshold) during water years 2019 to 2021 (see Appendix H).

SECTION 3: Groundwater Elevations (§ 356.2[b][1])

3.1 Introduction

This section provides a description of groundwater elevations in the Basin since fall of 2018, which marked the end of the analyses completed for the GSP. In the future, the Annual Reports will present groundwater elevation updates for the previous water year. However, because of the gap between the end of the GSP analysis and this 2021 Annual Report, 12 groundwater elevation maps are presented—for spring 2019, fall 2019, spring 2020, fall 2020, spring 2021, and fall 2021 for each principal aquifer.

These maps present the most up-to-date seasonal conditions in the Basin. The data presented characterizes conditions in the Paso Robles Formation and the Careaga Sand. Monitoring data is reviewed for quality and an appropriate time frame is chosen to provide the highest consistency in the wells used for each reporting period. Data quality is often difficult to ascertain when measurements are taken by other agencies or private well owners, and well construction information may be incomplete or unavailable. Consequently, a careful review of the data is required prior to uploading to DWR's new Monitoring Network Module (replacing the current California Statewide Groundwater Elevation Monitoring [CASGEM] program) to verify whether measurements are trending consistent with trends of previous years and with the current year's hydrology and level of extractions.

Paso Robles Formation groundwater elevation contour maps were generated from a well set located primarily along the axis of the valley, between Los Alamos and the Slough. Similarly, Careaga Sand groundwater elevation contours were generated from a well set located sparsely within the northern uplands and more densely in the Slough. Therefore, the amount of uncertainty is proportionate to the lack of data points, as is the calculation of change in groundwater in storage. The SABGSA is working to implement planned management actions (see Section 6 of GSI and GEI, 2021) to address these identified data gaps.

As discussed in Section 2, two principal aquifers have been identified in the Basin. The Paso Robles Formation Aquifer is up to 2,000 ft thick and has been divided into three members (unofficial geologic units). The middle member has been identified by the USGS as a confining layer inhibiting vertical flow of groundwater within the Paso Robles Formation (Cromwell et al., 2022). The Careaga Sand Aquifer is up to 1,500 ft thick, underlies the Paso Robles Formation, and consists of two members as defined by the USGS (Cromwell et al., 2022). The upper member consists of coarse-grained sediments and is uniformly graded.

3.2 Seasonal High and Low (Spring and Fall) (§ 356.2[b][1][A])

The assessment of groundwater elevation conditions in the Basin as described in the GSP is largely based on data from the SABGSA's groundwater level monitoring network and the LACSD. To maintain consistency with the GSP and represent conditions that can be easily compared from year to year, this Annual Report attempts to use the same set of wells as was used in the GSP. Groundwater level data from approximately 40 to 45 wells are used to create the groundwater elevation contour maps. Of these 40 to 45 wells, 15 have been identified as RMSs for the purpose of monitoring sustainability indicators. As implementation of the GSP progresses, additional wells may be added or existing wells may be replaced based on access, location, well construction data, and representative hydrograph signatures.

In accordance with the SGMA regulations, the following information is presented based on available data:

- Groundwater elevation contour maps for the seasonal high and seasonal low groundwater conditions for the previous water year. Because the most recent presentation of groundwater conditions described in the GSP was fall 2018, groundwater elevation contour maps are presented for spring 2019, fall 2019, spring 2020, fall 2020, spring 2021, and fall 2021.
- A map depicting the change in groundwater elevation for the preceding water year. Because the most recent change in groundwater elevation in the GSP represented the period between 1981 and 2018, change in groundwater elevation maps are shown here for the periods fall 2019 to fall 2020, and fall 2020 to fall 2021 (Section 7.1).
- A map depicting the change in groundwater elevation for fall 2018 to fall 2019 is not included due to the difference in spatial distribution of groundwater elevation data points between the two water years and the consequent inability to generate an accurate map.
- Hydrographs for wells with publicly available data (Appendix C).

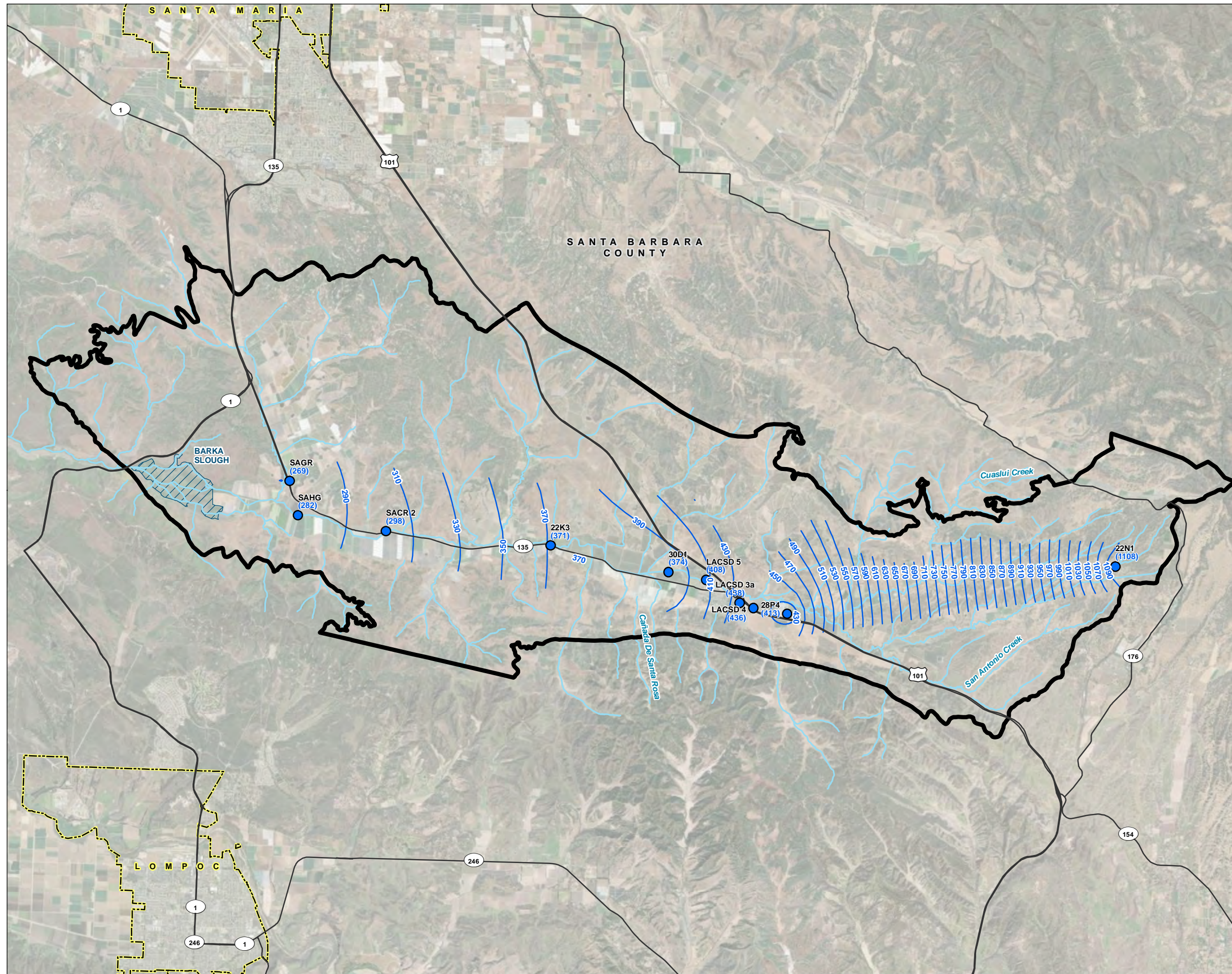
3.2.1 Paso Robles Formation Aquifer Groundwater Elevation Contours

Seasonal high and low groundwater elevation data for the Basin for spring 2019 through fall 2021 for the Paso Robles Formation were contoured to assess spatial variations, yearly fluctuations, trends in groundwater conditions, groundwater flow directions, and horizontal groundwater gradients. Change in groundwater gradients for wells completed above and below the Paso Robles Formation middle confining layer and wells that may reflect more unconfined conditions near the aquifer margins is currently not well understood due to a lack of available information (Cromwell et al., 2022; Woolfenden et al., 2022).¹⁰ Contour maps were prepared for the seasonal high groundwater levels, which typically occur in the spring, and the seasonal low groundwater levels, which typically occur in the fall. In general, the spring groundwater data are for late February through March and the fall groundwater data are for mid-September through early November. For consistency with the GSP, best attempts were made to use the same well data sets for contouring.

Figures 7 and 8 show contours of groundwater elevations in the Paso Robles Formation for spring 2019 and fall 2019, respectively. Overall, groundwater conditions in the Basin in the spring and fall of 2019 were similar, with groundwater elevations in the fall generally lower than in the spring, a typical seasonal trend for the Basin. Groundwater flow direction is to the west-southwest over most of the Basin. Groundwater flow in the Paso Robles Formation tends to converge toward San Antonio Creek, coincident with the axis of the valley and underlying synclinal structure, and ultimately the Slough before discharging from the Basin. Groundwater contours indicate steep gradients on the east end of the Basin, flatter gradients to the west, and possible groundwater depressions near Los Alamos, along San Antonio Creek between Los Alamos and the Slough, and along Harris Canyon. Groundwater level depressions near Los Alamos and along San Antonio Creek are suspected to be a result of groundwater pumping. The depression along Harris Canyon could be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. The horizontal groundwater gradients range from approximately 0.003 feet per foot (ft/ft) between Los Alamos and the Slough and approximately 0.02 ft/ft between Los Alamos and the eastern basin boundary.

¹⁰ The SABGSA plans to continue to analyze factors such as variable groundwater gradients and locations of more unconfined or confined aquifer conditions through implementation of management actions, review of recently available USGS publications for the Basin (USGS, 2022a and 2022b), and review and possible implementation of the USGS groundwater numerical model for the Basin.

FIGURE 7
Paso Robles Formation
Groundwater Elevation Contours
Spring 2019
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



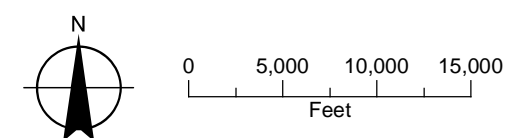
LEGEND

- Paso Robles Formation Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

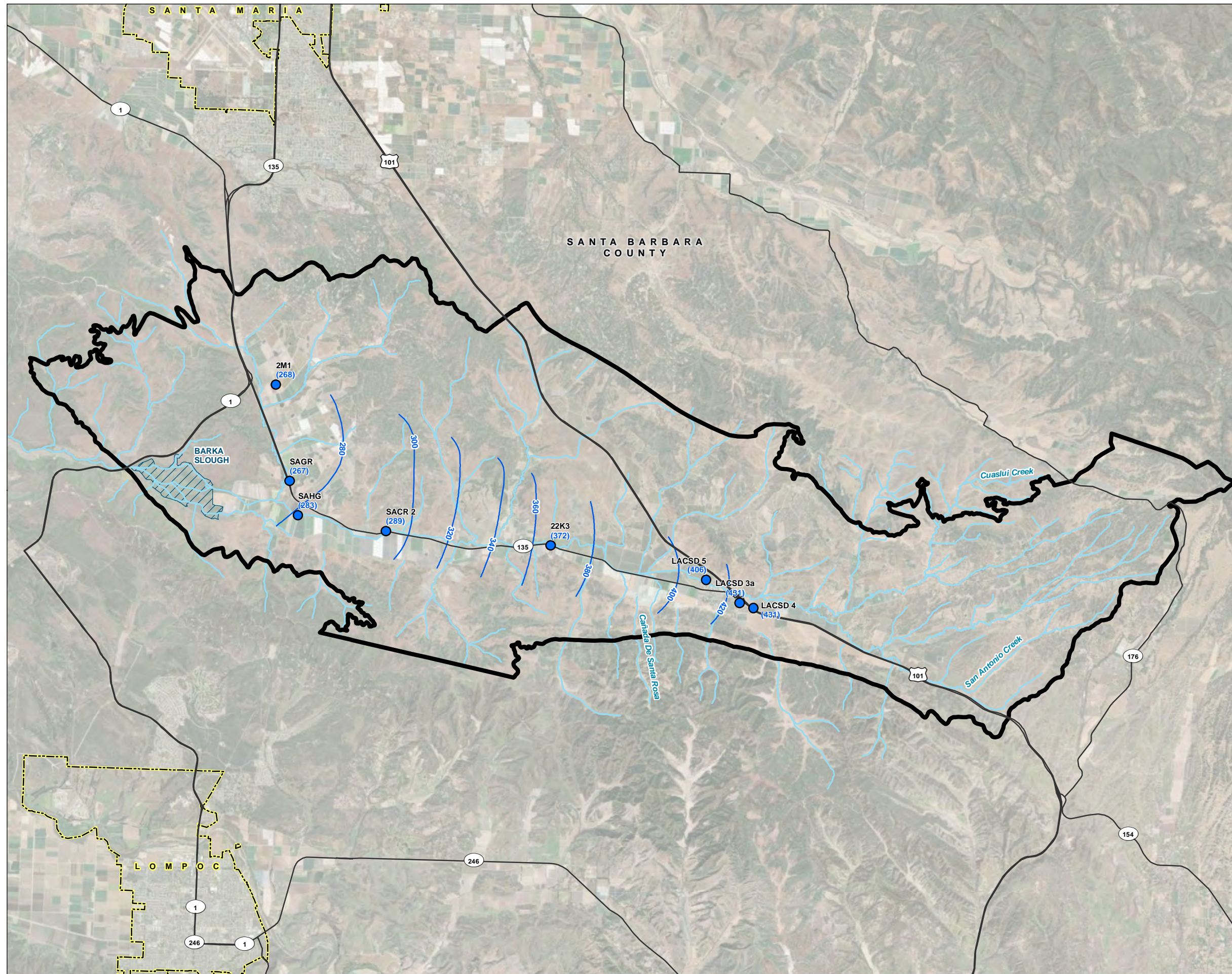
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

FIGURE 8
Paso Robles Formation
Groundwater Elevation Contours
Fall 2019
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin

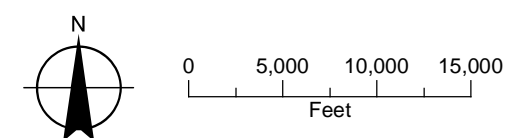


LEGEND

- Paso Robles Formation Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.
 NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



Figures 9 and 10 show contours of groundwater elevations in the Paso Robles Formation for spring 2020 and fall 2020, respectively. Groundwater flow direction and gradients for 2020 are similar to those observed in 2019. Groundwater contours indicate groundwater depressions near Los Alamos, along San Antonio Creek between Los Alamos and the Slough, and along Harris Canyon. The groundwater depressions near Los Alamos and along San Antonio Creek are suspected to be a result of groundwater pumping. The groundwater depression along Harris Canyon could be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. Horizontal groundwater gradients range from approximately 0.003 ft/ft between Los Alamos and the Slough.

Figures 11 and 12 show contours of groundwater elevations in the Paso Robles Formation for spring 2021 and fall 2021, respectively. Groundwater flow direction and gradients for 2021 are similar to those observed in 2020. Groundwater contours indicate groundwater depressions near Los Alamos, along San Antonio Creek between Los Alamos and the Slough, and along Harris Canyon. The groundwater depressions near Los Alamos and along San Antonio Creek are suspected to be a result of groundwater pumping. The groundwater depression along Harris Canyon could be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. Horizontal groundwater gradients range from approximately 0.003 ft/ft between Los Alamos and the Slough.

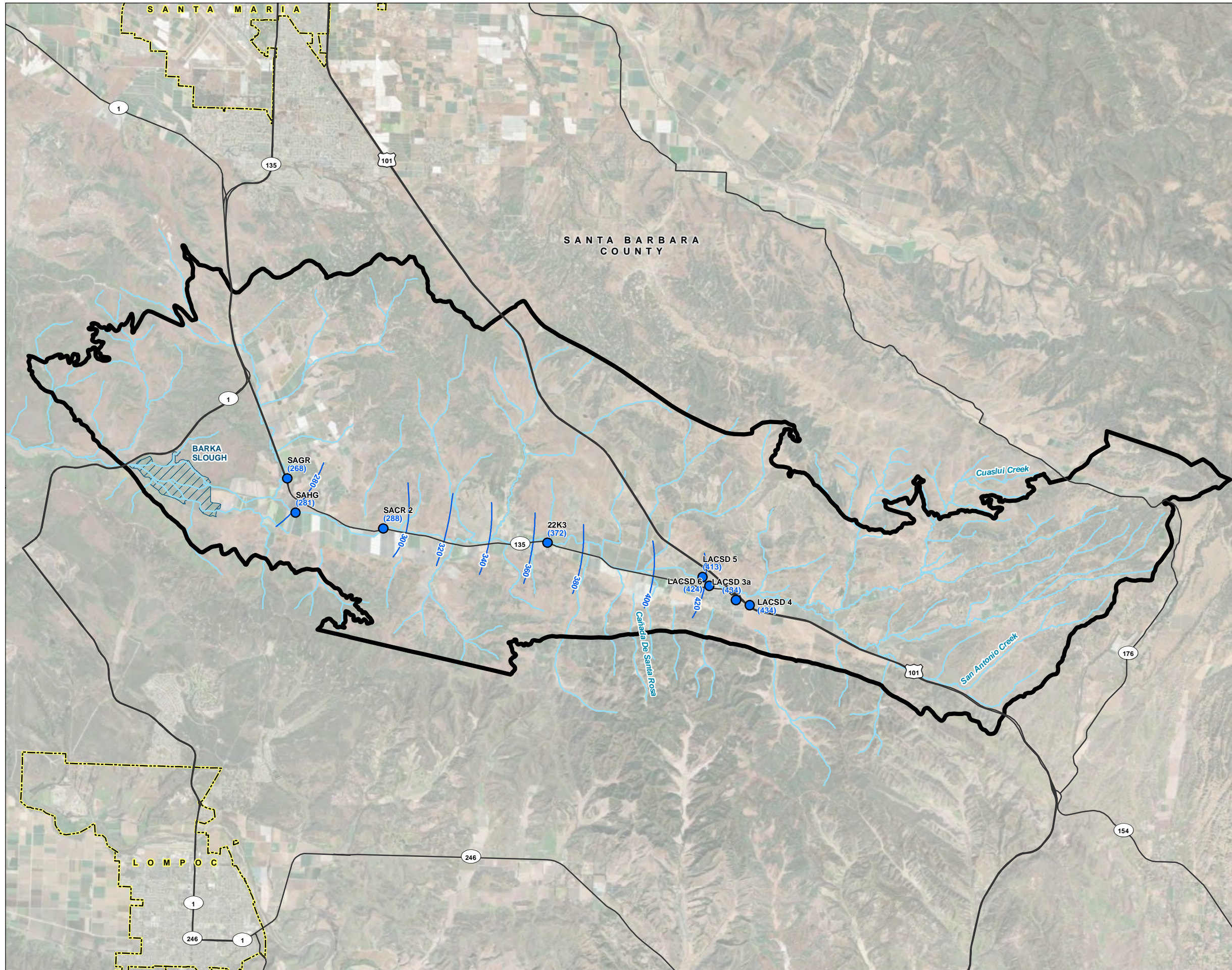
Groundwater elevations observed in the Basin from the Slough to Los Alamos were lower during water years 2019 through 2021. Although two of the three water years included above normal precipitation, decreasing groundwater elevations were likely due to continued over-pumping of groundwater as indicated in the GSP historical water budget. In addition, there is a time lag between recharge events and groundwater level response in some portions of the Basin. Seasonal trends of slightly higher spring groundwater elevations compared with fall levels continued in each of the water years.

3.2.2 Careaga Sand Aquifer Groundwater Elevation Contours

Seasonal high and low groundwater elevation data for the Basin for spring 2019 through fall 2021 for the Careaga Sand were contoured to assess spatial variations, yearly fluctuations, trends in groundwater conditions, groundwater flow directions, and horizontal groundwater gradients. Contour maps were prepared for the seasonal high groundwater levels, which typically occur in the spring, and the seasonal low groundwater levels, which typically occur in the fall. In general, the spring groundwater data are for late February through March and the fall groundwater data are for September. For consistency with the GSP, best attempts were made to use the same well data sets for contouring.

Figures 13 and 14 show contours of groundwater elevations in the Careaga Sand for spring 2019 and fall 2019, respectively. Overall, groundwater conditions in the Basin in the spring and fall of 2019 were similar, with groundwater elevations in the fall generally lower than in the spring, a typical seasonal trend for the Basin. Groundwater flow direction is to the west-southwest over most of the Basin. Groundwater flow in the Careaga Sand tends to converge toward San Antonio Creek, coincident with the axis of the valley and underlying synclinal structure, and ultimately the Slough before discharging from the Basin. Groundwater contours indicate steep groundwater gradients within Canada de Las Flores and well 25D1 to the eastern basin boundary. Groundwater contours indicate groundwater depressions between the Slough and well 14L1, near well 4-Deer Field, and east of Los Alamos to well 25D1. The steep groundwater gradients are suspected to be controlled by the Basin's geological structure. The groundwater depressions could be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. Horizontal groundwater gradients range from approximately 0.006 ft/ft between Los Alamos and the Slough and approximately 0.01 ft/ft between Los Alamos and the eastern basin boundary.

FIGURE 9
Paso Robles Formation
Groundwater Elevation Contours
Spring 2020
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



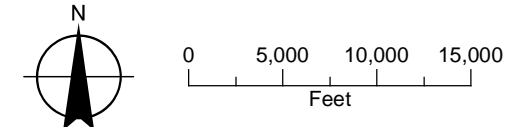
LEGEND

- Paso Robles Formation Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

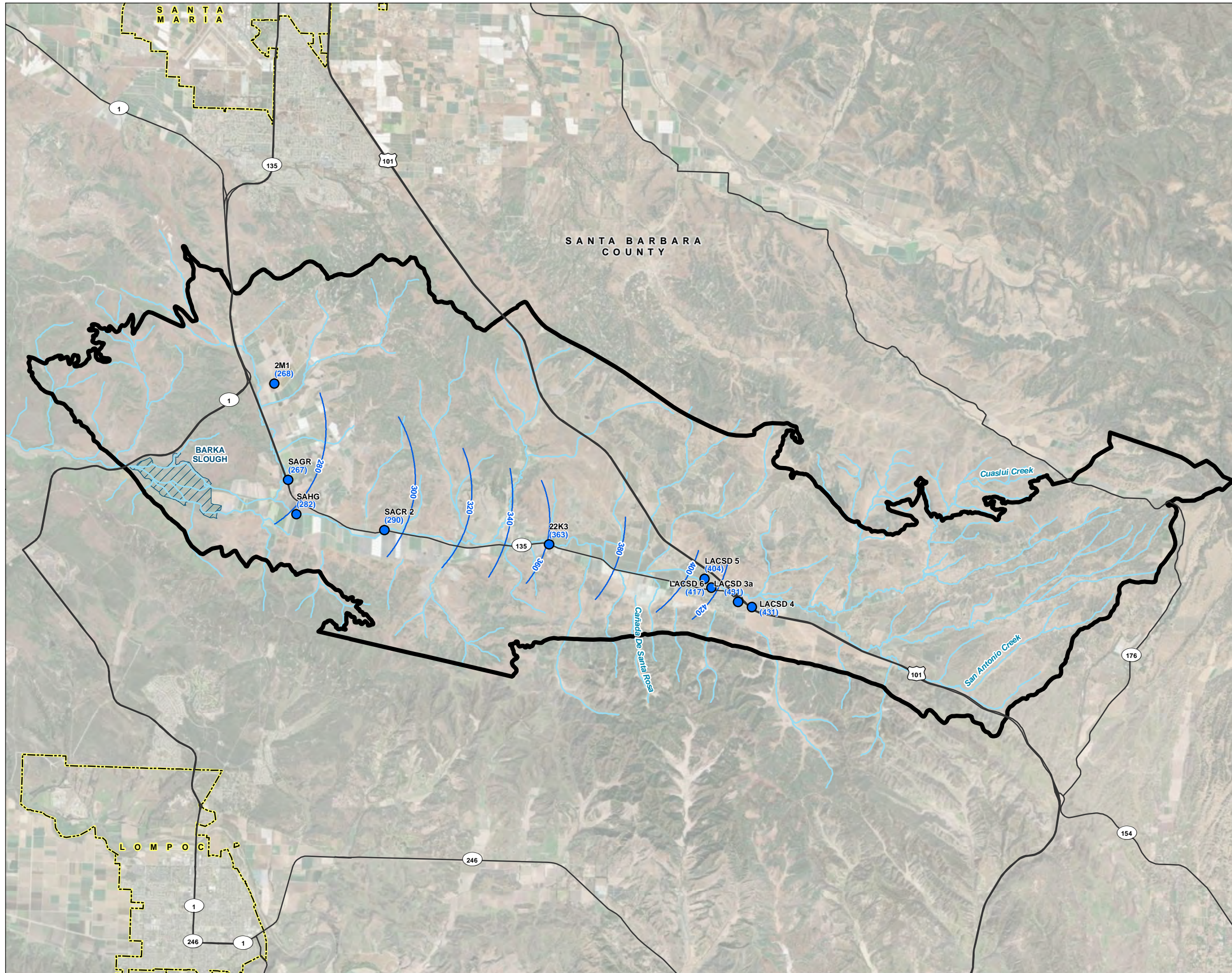
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

FIGURE 10
Paso Robles Formation
Groundwater Elevation Contours
Fall 2020
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



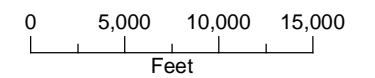
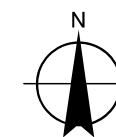
LEGEND

- Paso Robles Formation Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

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San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

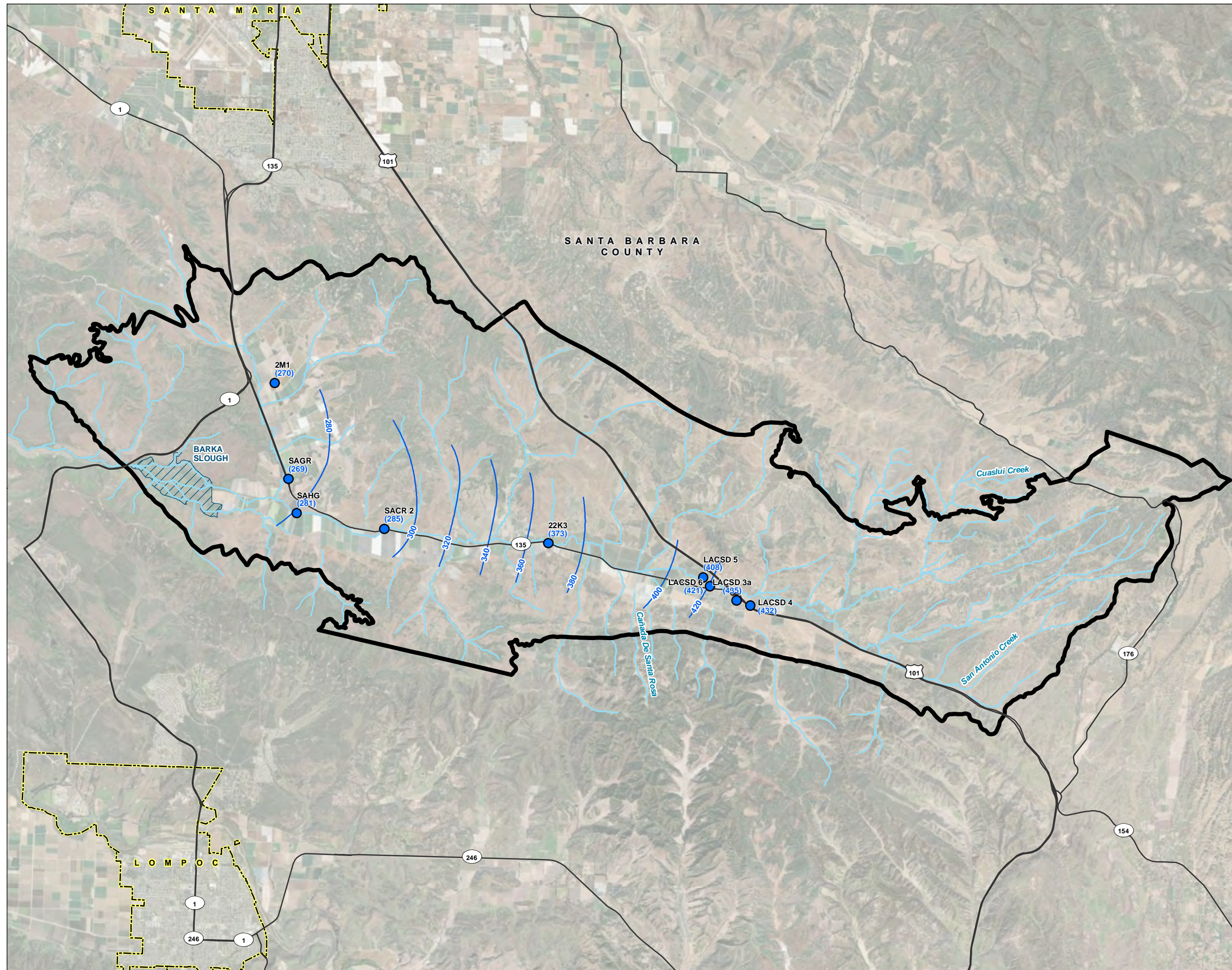
NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



FIGURE 11
Paso Robles Formation
Groundwater Elevation Contours
Spring 2021
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



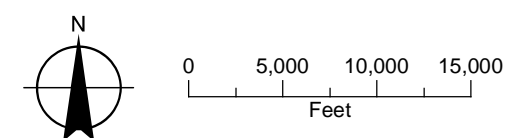
LEGEND

- Paso Robles Formation Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

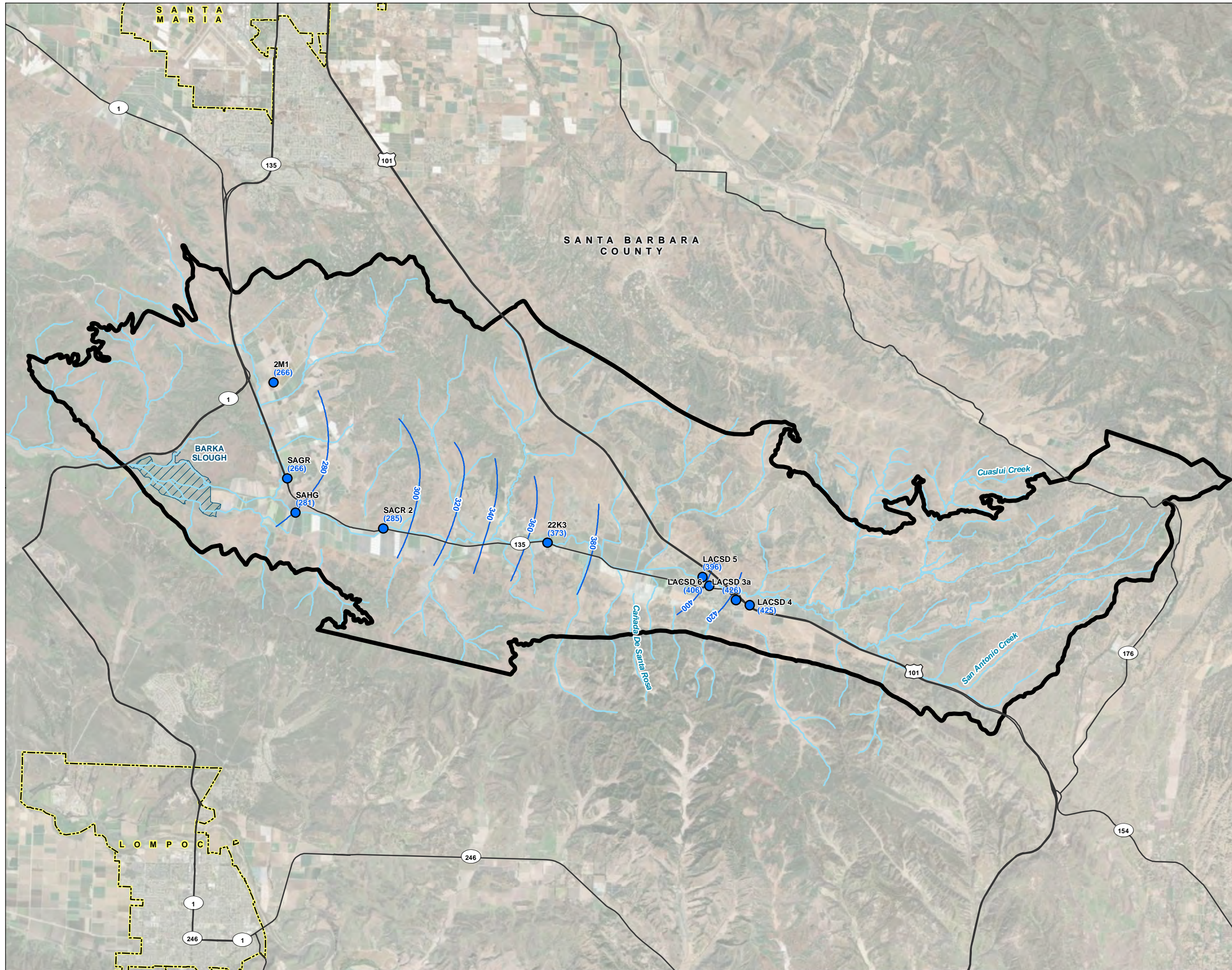
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

FIGURE 12
Paso Robles Formation
Groundwater Elevation Contours
Fall 2021
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



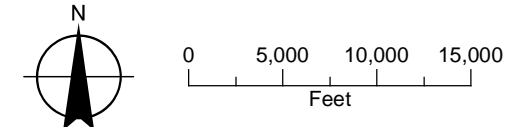
LEGEND

- Paso Robles Formation Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

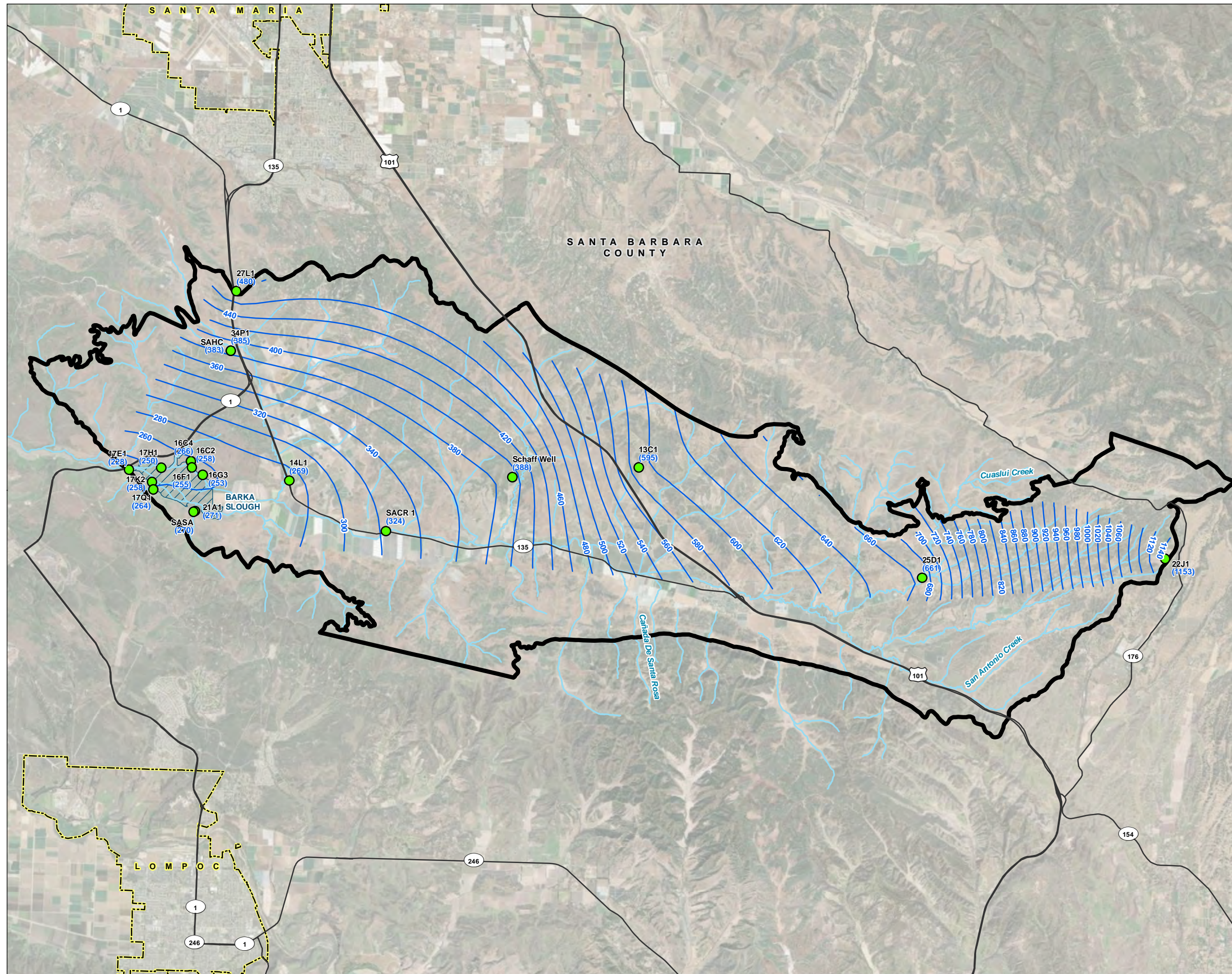
NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



FIGURE 13
Careaga Sand
Groundwater Elevation Contours
Spring 2019
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin

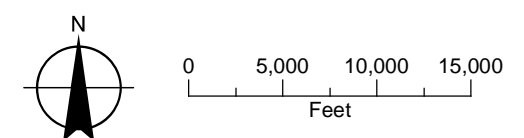


LEGEND

- Careaga Sand Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

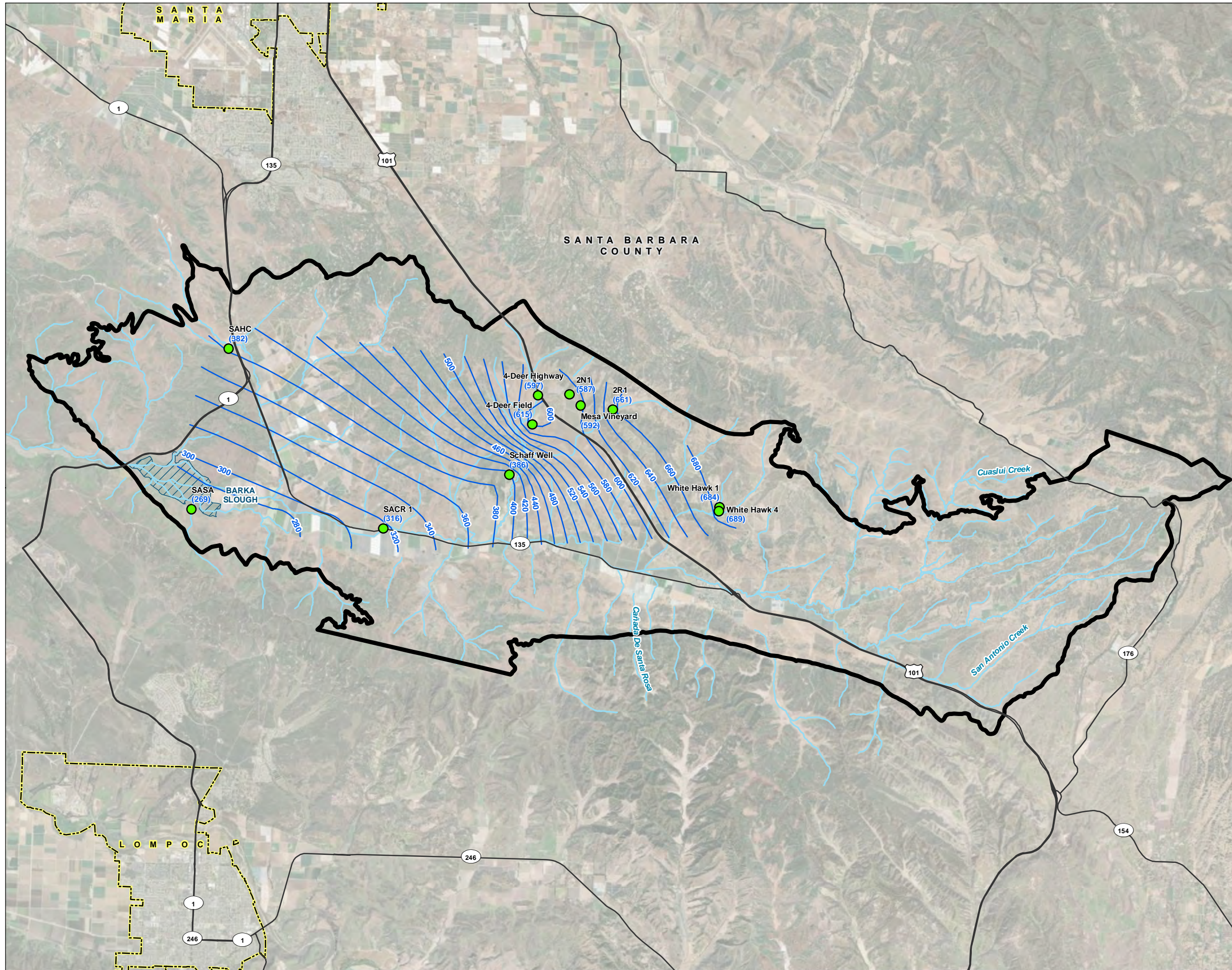
NOTES

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.
 NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

FIGURE 14
Careaga Sand
Groundwater Elevation Contours
Fall 2019
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



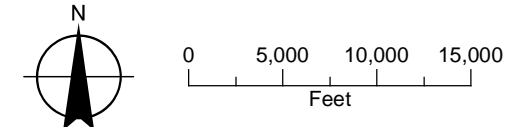
LEGEND

- Careaga Sand Well
- Groundwater Elevation (NAVD88)
- ~ Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

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San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



Figures 15 and 16 show contours of groundwater elevations in the Careaga Sand for spring 2020 and fall 2020, respectively. Groundwater flow direction and gradients for 2020 are similar to those observed in 2019. Groundwater contours indicate steep groundwater gradients within Canada de Las Flores. Groundwater contours indicate groundwater depressions between the Slough and well 14L1, and near well 4-Deer Field. The steep groundwater gradient is suspected to be controlled by the Basin's geological structure. The groundwater depressions could be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. The horizontal groundwater gradient between Los Alamos and the Slough is approximately 0.007 ft/ft.

Figures 17 and 18 show contours of groundwater elevations in the Careaga Sand for spring 2021 and fall 2021, respectively. Groundwater flow direction and gradients for 2021 are similar to those observed in 2020. Groundwater contours indicate steep groundwater gradients within Canada de Las Flores. Groundwater contours indicate groundwater depressions between the Slough and well 14L1, and well 4-Deer Field. The steep groundwater gradients are suspected to be controlled by the Basin's geological structure. The groundwater depressions could be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. The horizontal groundwater gradient between Los Alamos and the Slough is approximately 0.008 ft/ft.

Groundwater elevations observed in the Careaga Sand were lower during water years 2019 through 2021 from the Slough to Los Alamos and the northern upland areas in Basin. Although two of the three water years included above normal precipitation, decreasing groundwater elevations were likely due to continued over-pumping of groundwater as indicated in the GSP historical water budget. In addition, there is a time lag between recharge events and groundwater level response in some portions of the Basin. Seasonal trends of slightly higher spring groundwater elevations compared with fall levels continued in each of the water years.

3.3 Hydrographs (§ 356.2[b][1][B])

Groundwater elevation hydrographs are used to evaluate groundwater conditions over time and trends relative to sustainable management criteria. Changes in groundwater elevation in the Basin can result from many influencing factors. Factors can include changing hydrologic trends, seasonal variations in precipitation, varying basin groundwater extractions, changing inflows and outflows, and influence from localized pumping conditions. Climatic variation can be one of the most significant factors affecting groundwater elevations over time. For this reason, the hydrographs also display water year type categorized as wet, above normal, below normal, dry, or critical (see Figure 5).

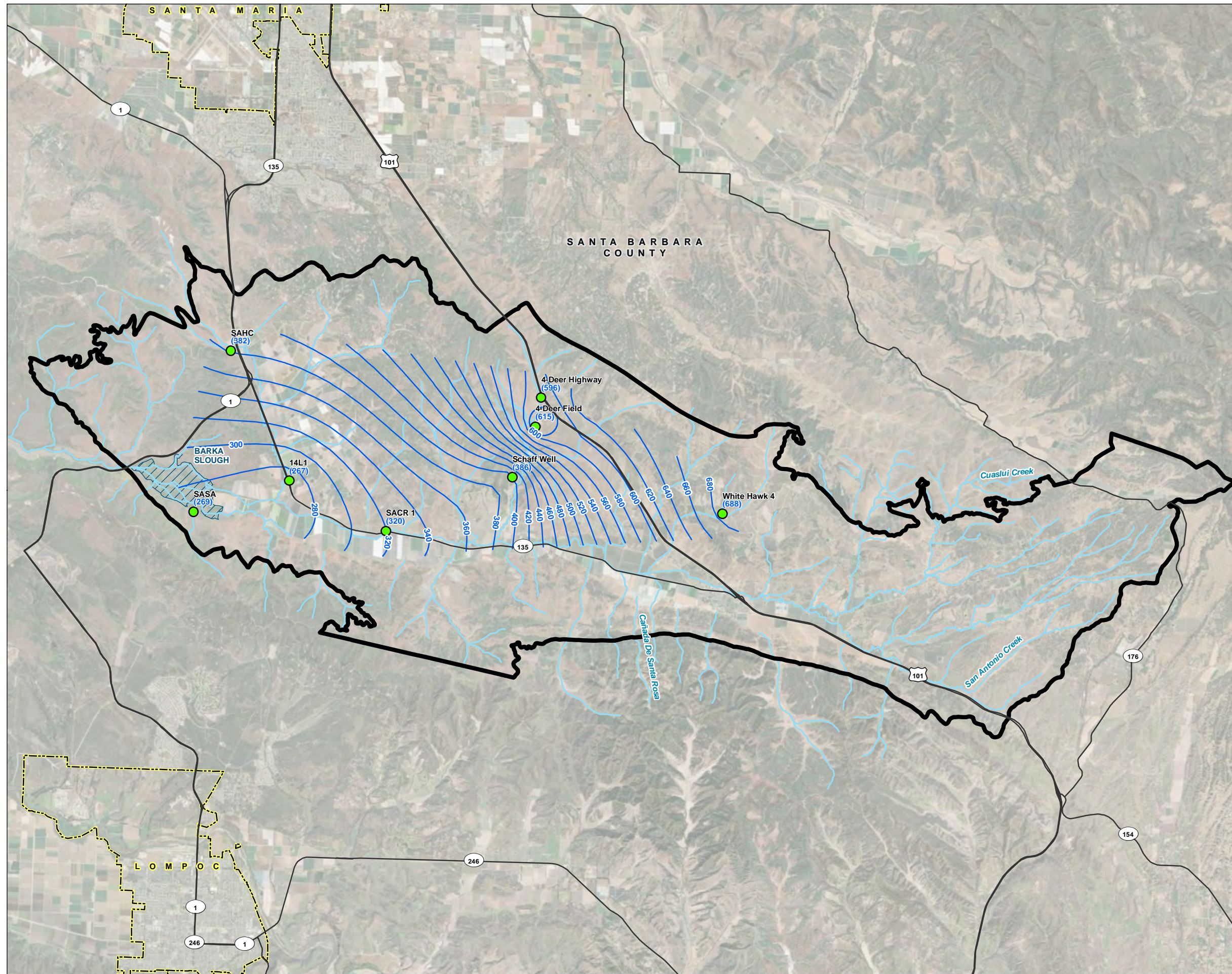
3.3.1 Hydrographs

Groundwater elevation hydrographs and associated location map for the 15 RMSs in the basin groundwater level monitoring network that are constructed in the Paso Robles Formation Aquifer and Careaga Sand are presented in Appendix C. These hydrographs also include available well construction data, as well as measurable objectives and minimum thresholds for each RMS that were developed during the preparation of the GSP. Many of the hydrographs illustrate a condition of declining water levels over the well's period of record, although some hydrographs indicate relative water level stability in the last 5 to 10 years.

As described in the GSP, spring 2015 groundwater levels measured at the RMSs were selected as the measurable objectives, and minimum thresholds are set 25 ft below fall 2018 groundwater levels measured at RMSs (GSI and GEI, 2021).

Water year types for 2019 and 2020 were both “above normal” while water year 2021 was “dry.” Although two of the three water years included above normal precipitation, groundwater elevations in some of the RMSs are continuing to trend downward. However, about an equal number of RMSs exhibit little change in groundwater elevations. Of the 15 RMS hydrographs presented in Appendix C, none of the RMSs exhibit groundwater elevations at or below the minimum threshold.

FIGURE 15
Careaga Sand
Groundwater Elevation Contours
Spring 2020
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



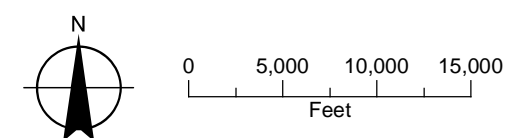
LEGEND

- Careaga Sand Well
- Groundwater Elevation (NAVD88)
- ~ Groundwater Elevaton Contours, ft NAVD88
- All Other Features**
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

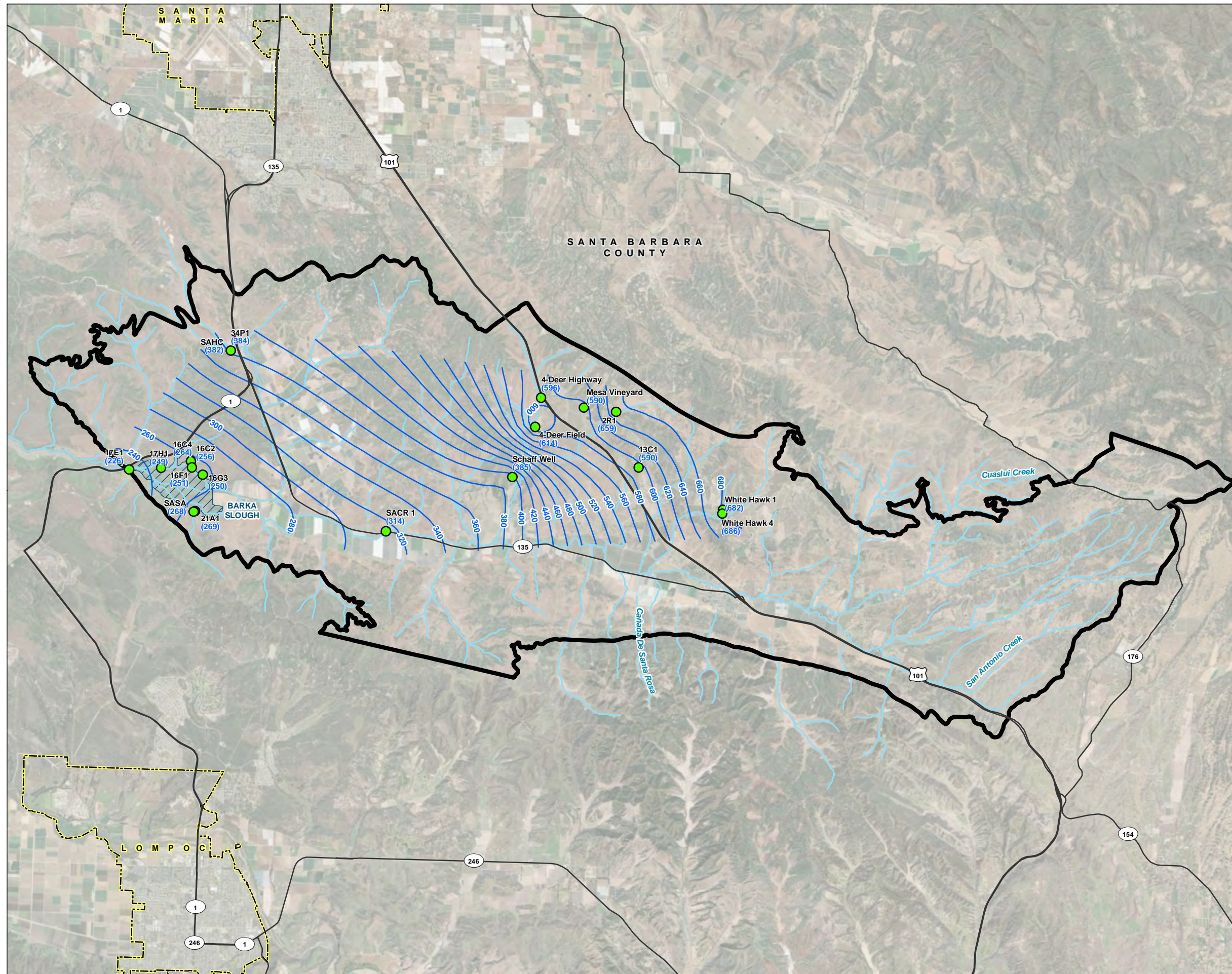
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

FIGURE 16
Careaga Sand
Groundwater Elevation Contours
Fall 2020
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin

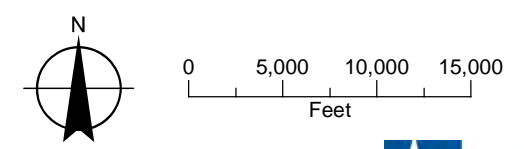


LEGEND

- Careaga Sand Well
- Groundwater Elevation (NAVD88)
- ~ Groundwater Elevaton Contours, ft NAVD88
- All Other Features**
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

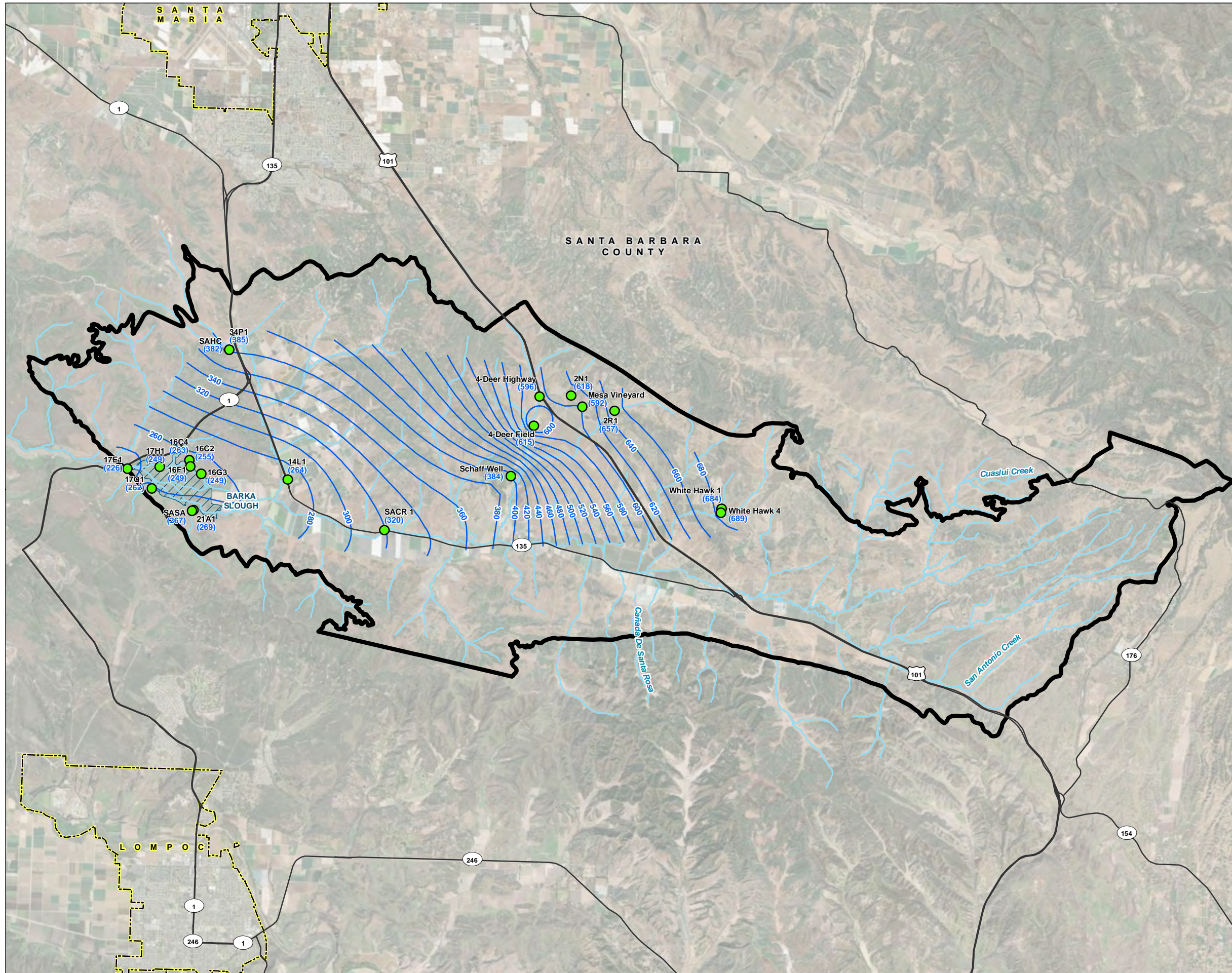
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.
 NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



FIGURE 17
Careaga Sand
Groundwater Elevation Contours
Spring 2021
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



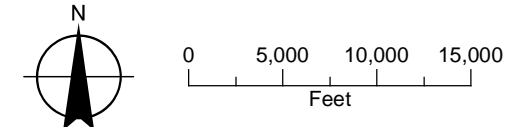
LEGEND

- Careaga Sand Well
Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

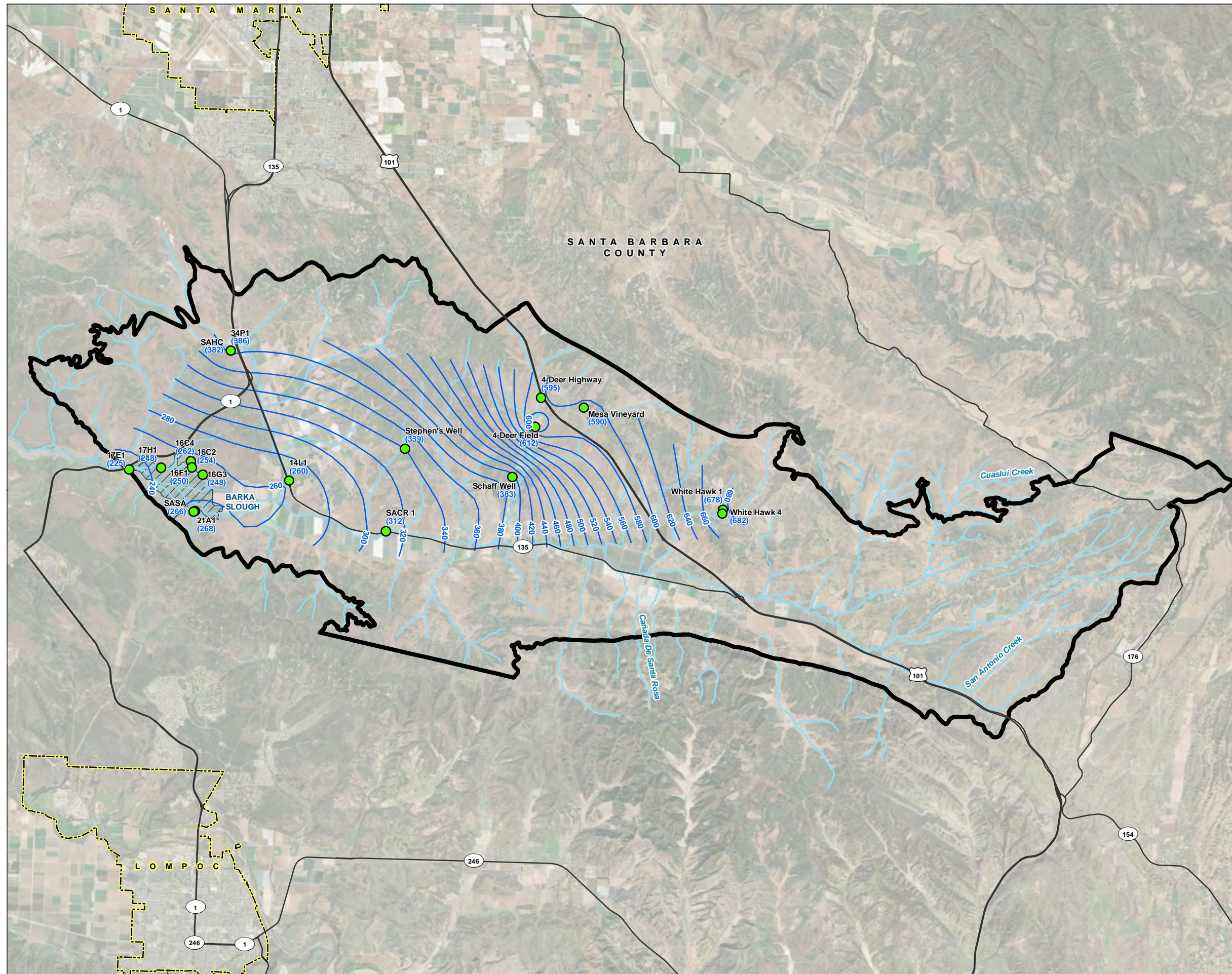
NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



FIGURE 18
Careaga Sand
Groundwater Elevation Contours
Fall 2021
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



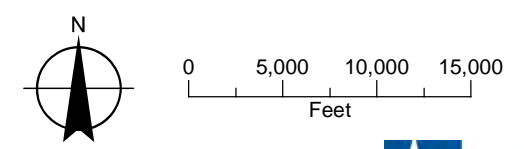
LEGEND

- Careaga Sand Well
- Groundwater Elevation (NAVD88)
- ~ Groundwater Elevation Contours, ft NAVD88
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: January 31, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

SECTION 4: Groundwater Extractions (§ 356.2[b][2])

4.1 Introduction

This section presents the metered and estimated groundwater extractions from the Basin for the 2019, 2020, and 2021 water years. Metered and estimated groundwater extractions from the Basin for the 2018 water year is also included for comparison. The types of groundwater extraction described in this section include municipal (Table 1), agricultural (Table 2), and rural domestic (Table 3). Each following subsection includes a description of the method of measurement and a qualitative level of accuracy for each estimate. The level of accuracy is rated on a qualitative scale of low, medium, and high. The annual groundwater extraction volumes for all water use sectors are shown in Table 5.

4.2 Municipal Metered Well Production Data

The municipal groundwater extractions documented in this report are metered data. Metered groundwater pumping extraction data are from the LACSD and the VSFB, providing service to the community of Los Alamos and the VSFB, respectively. The data shown in Table 2 reflect metered data reported by the respective agencies. The accuracy level rating of these metered data is high.

Table 2. Municipal Groundwater Extractions

Water Year	LACSD (AF)	VSFB (AF)	Total (AF)
2018	280	150	430
2019	260	240	500
2020	280	280	560
2021	290	710	1,000

Notes

Grey shading indicates a water year included in the historical water budget.

AF = acre-feet

LACSD = Los Alamos Community Services District

VSFB = Vandenberg Space Force Base (formerly Vandenberg Air Force Base)

4.3 Estimate of Agricultural Extraction

Agricultural water use constituted 96 percent of the total groundwater pumping in the Basin in water years 2019 to 2021. Agricultural water demand was calculated using the California Natural Resource Agency (CNRA) 2018 land use data (DWR, 2018b), San Antonio Basin Water District (SABWD) assessment data for irrigated acres (SABWD, 2021), DWR evapotranspiration zones (DWR, 2022), and Santa Ynez River Valley Water District (SYRWCD) crop-specific water use factors (SYRWCD, 2010; revised by growers in the Basin). CNRA land use spatial data for 2018 (most recent available data set) was used to determine the appropriate crop categories, distribution, and acreages.¹¹ Land use types were grouped within six crop categories, including vineyard, field crops, truck and berry crops, tree crops, pasture, and cannabis/hemp, each with a respective set of crop water use factors.¹² Using the planted acreage, crop types, and crop water duty

¹¹ The 2018 CNRA land use data set was determined to be more representative of basin conditions than the 2020 County of Santa Barbara spatial pesticide use permit data used in the GSP.

¹² Crop-specific water use factors were calculated by evapotranspiration zones 3 and 6 and are according to SYRWCD, 2010 and the basin stakeholders (except for cannabis/hemp, which are from Battany, 2019).

factors, an overall water demand of 1.66 AF/acre was calculated for 2018. Irrigated acres from the SABWD were available for 2020 to 2021 and 2021 to 2022 assessments. The water demand of 1.66 AF/acre, calculated using the 2018 CNRA data set, was multiplied by the SABWD irrigated acres to determine total agricultural groundwater demand for water years 2020 and 2021. Agricultural groundwater demand for water year 2019 was determined by interpolating total agricultural groundwater demand between water years 2018 and 2020.

While the accuracy of the land use mapping of irrigated crops for 2018 is high, uncertainty remains in the estimates of water use by specific crop types from these irrigated lands and hence the assumed amount of pumping needed to meet the crop water requirement. The uncertainty of these calculations is considered medium. Calculated agricultural groundwater demand for water years 2018 to 2021 is included in Table 3.

Table 3. Agricultural Irrigation Groundwater Extractions

Water Year	Agricultural (AF)
2018 ¹	21,200
2019	21,300
2020	21,900
2021	21,400

Notes

¹ Water year’s historical water budget agricultural pumping volume was revised based on updated data.

Grey shading indicates a water year included in the historical water budget.

AF = acre-feet

4.4 Rural Domestic Extraction

Rural domestic groundwater extractions in the Basin were estimated using the methods described below.

4.4.1 Rural Domestic Demand

Rural domestic pumping is all domestic pumping that occurs outside of LACSD. Rural domestic pumping was calculated by conducting an aerial survey to identify land parcels with home sites in the area outside the LACSD service area in 2018. The 2018 domestic demand for each of these land parcels was calculated using variable demand factors based on parcel acreage, as specified in Tetra Tech (2010) (see Table 4). The calculated 2018 rural domestic demand was then scaled through time using a compilation of census data for nearby communities.

Table 4. Rural Domestic Demand Factors Based on Lot Size

Lot Size (acres)	Annual Water Use (AFY per lot)
0.16	0.14
0.5	0.52
1	0.82
5	0.98
10	1.15

Notes

Source: Tetra Tech, 2010

AFY = acre-feet per year

These groundwater recharge components were estimated based on an aerial survey and published estimated water demand based on parcel size. Consequently, the uncertainty of this groundwater budget component is considered medium to low. Calculated rural domestic groundwater demand for water years 2018 to 2021 is included in Table 5.

Table 5. Rural Domestic Groundwater Extractions

Water Year	Rural Domestic (AF)
2018	170
2019	170
2020	170
2021	170

Notes

Grey shading indicates a water year included in the historical water budget.

AF = acre-feet

4.5 Total Groundwater Extraction Summary

Total groundwater extractions in the Basin for water years 2019, 2020, and 2021 are 22,000 AF, 22,600 AF, and 22,600 AF, respectively. Table 6 summarizes the total water use by sector and indicates the method of measure and associated level of accuracy. CNRA land use spatial data for 2018, estimated agricultural groundwater extractions (see Section 4.3), and metered pumping from the LACSD and VSFB were used to represent general location and volume of groundwater extractions across the Basin in terms of AFY by water year (see Figure 19).

Table 6. Total Groundwater Extractions

Water Year	LACSD (AF)	VSFB (AF)	Rural Domestic (AF)	Agricultural (AF)	Total (AF)
2018 ¹	280	150	170	21,200	21,800
2019	260	240	170	21,300	22,000
2020	280	280	170	21,900	22,600
2021	290	710	170	21,400	22,600
Method of Measure	Metered	Metered	Aerial Survey	Land Use Survey, Crop Water Use Factors, and Basin Water District Assessments	—
Level of Accuracy	High	High	Medium/Low	Medium	—

Notes

¹ Water year’s historical water budget agricultural pumping volume was revised based on updated data.

Grey shading indicates a water year included in the historical water budget.

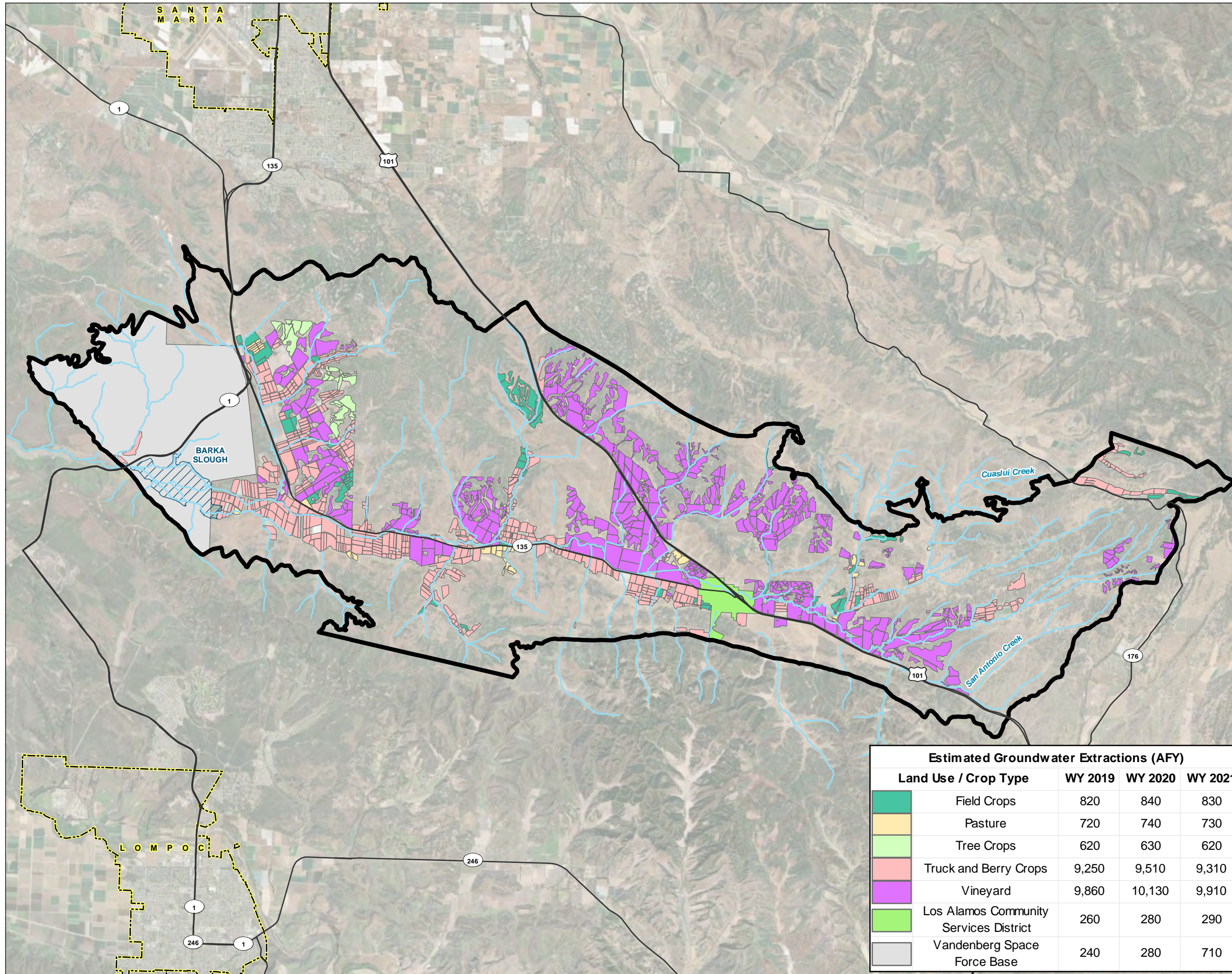
— = not applicable

AF = acre-feet

LACSD = Los Alamos Community Services District

VSFB = Vandenberg Space Force Base (formerly Vandenberg Air Force Base)

FIGURE 19
General Location and Volumes
of Groundwater Extractions
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



LEGEND

Land Use/Crop Type

- Field Crops
- Pasture
- Tree Crops
- Truck and Berry Crops
- Vineyard
- Los Alamos Community Services District
- Vandenberg Space Force Base

All Other Features

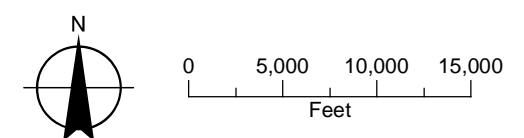
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

Land use data is from the California Natural Resource Agency (CNRA) 2018 land use data set (DWR, 2018b).

AFY: Acre-Feet Per Year
 WY: Water Year



Estimated Groundwater Extractions (AFY)				
Land Use / Crop Type	WY 2019	WY 2020	WY 2021	
 Field Crops	820	840	830	
 Pasture	720	740	730	
 Tree Crops	620	630	620	
 Truck and Berry Crops	9,250	9,510	9,310	
 Vineyard	9,860	10,130	9,910	
 Los Alamos Community Services District	260	280	290	
 Vandenberg Space Force Base	240	280	710	

Date: March 23, 2022
 Data Sources: USGS (2020a), ESRI, DWR (2018a) (2018b), Maxar imagery (2020)



SECTION 5: Surface Water Use (§ 356.2[b][3])

The Basin does not receive imported water from the California State Water Project (SWP), nor does it receive reservoir releases into streams and rivers that enter the Basin from the surrounding watershed. Consequently, surface water use is not applicable to the Basin.

SECTION 6: Change in Groundwater in Storage (§ 356.2[b][5])

6.1 Annual Changes in Groundwater Elevation (§ 356.2[b][5][A])

Annual changes in groundwater elevation in the Paso Robles Formation and Careaga Sand for water years 2019, 2020, and 2021 are derived from comparison of fall groundwater elevation contour maps from one year to the next. For example, the fall 2020 groundwater elevations for the Paso Robles Formation (see Figure 8) were subtracted from the fall 2019 groundwater elevations for the Paso Robles Formation (see Figure 10) resulting in a map depicting the changes in groundwater elevations in the Paso Robles Formation that occurred during the 2020 water year (see Figure 20). Similar calculations were made for water year 2021, resulting in groundwater elevation change maps in the Paso Robles Formation for water year 2021 (Figure 21). The same was completed for the Careaga Sand.

Paso Robles Formation groundwater elevation contour maps were generated from a well set located primarily along the axis of the valley, between Los Alamos and the Slough. Similarly, Careaga Sand groundwater elevation contours were generated from a well set located sparsely within the northern uplands and more densely in the Slough. Therefore, the amount of uncertainty is proportionate to the lack of data points, as is the calculation of change in groundwater in storage. The SABGSA is working to implement planned management actions (see Section 6 of GSI and GEI, 2021) to address these identified data gaps.

The Paso Robles Formation change in groundwater elevation map for water year 2020 (see Figure 20), an above normal precipitation year, shows that groundwater levels declined by 0 to 10 ft between Los Alamos, Barka Slough, and Harris Canyon. Groundwater elevations near Los Alamos and along California State HWY 135, east of Harris Canyon and the Barka Slough area, increased by 0 to 10 ft.

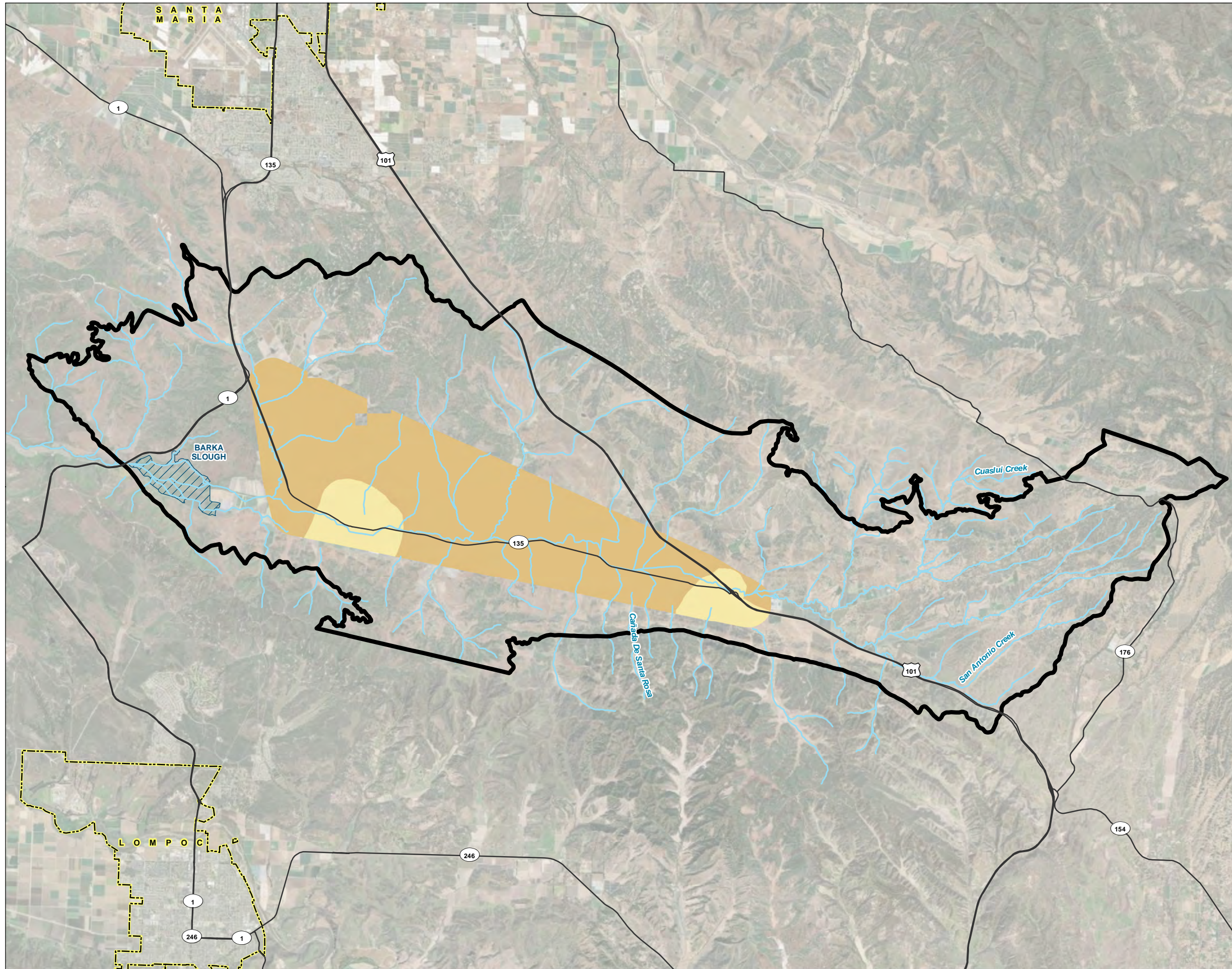
The Paso Robles Formation change in groundwater elevation map for water year 2021 (see Figure 21), a dry precipitation year, shows that groundwater levels declined by 0 to 10 ft near Los Alamos, Barka Slough, and Harris Canyon. Groundwater elevations along California State HWY 135 and Cañada De Las Flores increased by 0 to 10 ft.

The Careaga Sand change in groundwater elevation map for water year 2020 (see Figure 22), an above normal precipitation year, shows that groundwater levels declined by 0 to 10 ft along U.S. HWY 101 and California State HWY 135. Groundwater elevations near Barka Slough and northwest of Los Alamos along U.S. HWY 101, indicate a decrease of up to 30 ft. Groundwater elevations between U.S. HWY 101 and Harris Canyon increased by 0 to 10 ft.

The Careaga Sand change in groundwater elevation map for water year 2021 (see Figure 23), a dry precipitation year, shows a change in groundwater elevation ranging from an increase of 10 to 20 ft northwest of Los Alamos to a decrease of 30 ft or greater east of Barka Slough into the west-central uplands and east of U.S. HWY 101 near the north-central basin boundary. Groundwater elevations decreased by 0 to 10 ft near Barka Slough and north along California State HWY 1.

FIGURE 20

**Paso Robles Formation
Annual Change in
Groundwater Elevation
Fall 2019 to Fall 2020**
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin



LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

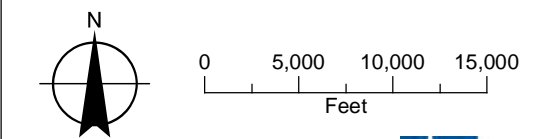
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



FIGURE 21

**Paso Robles Formation
Annual Change in
Groundwater Elevation
Fall 2020 to Fall 2021**
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin

LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

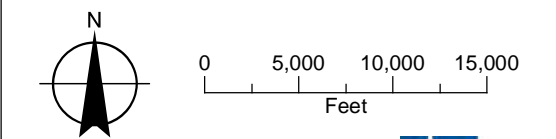
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

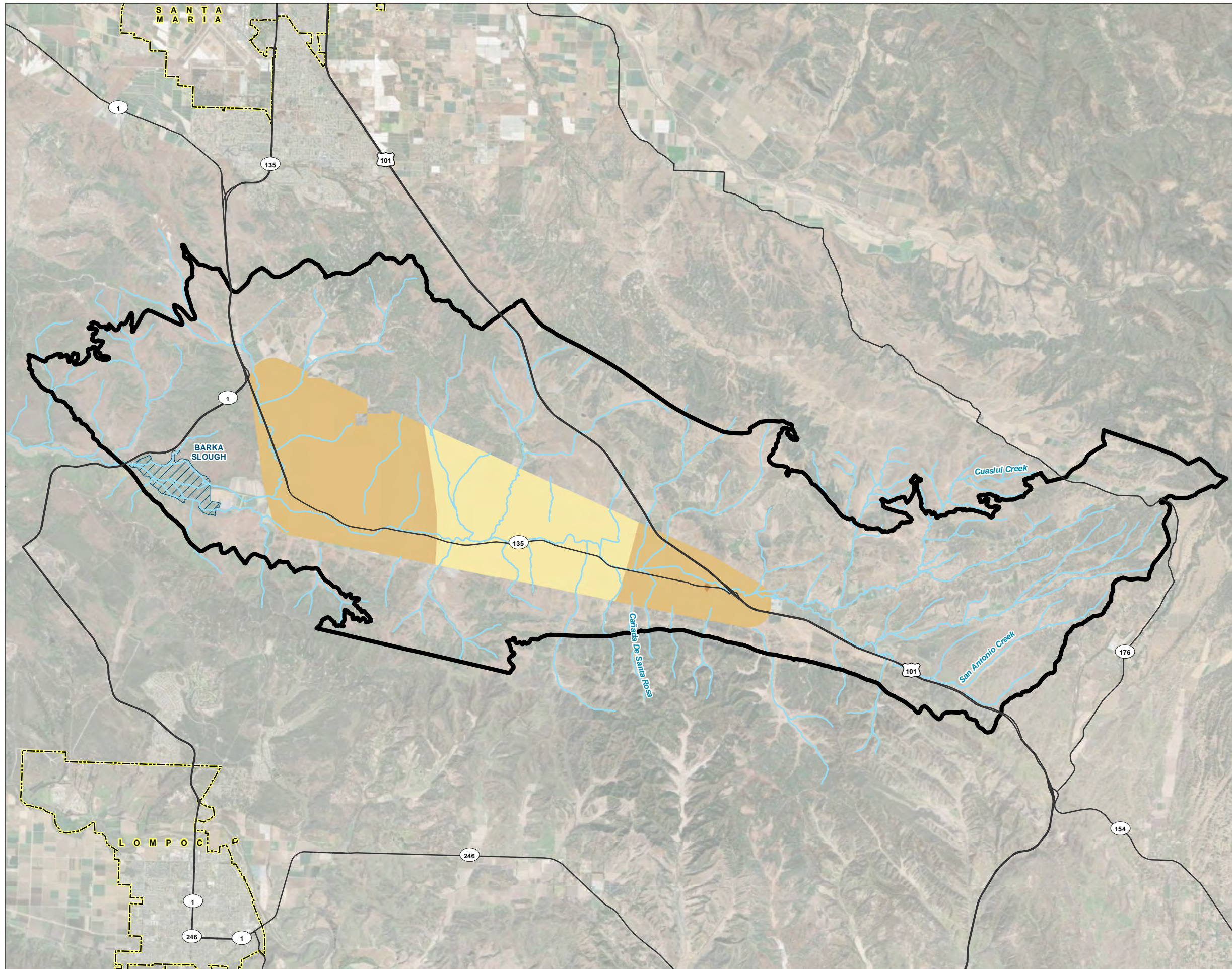
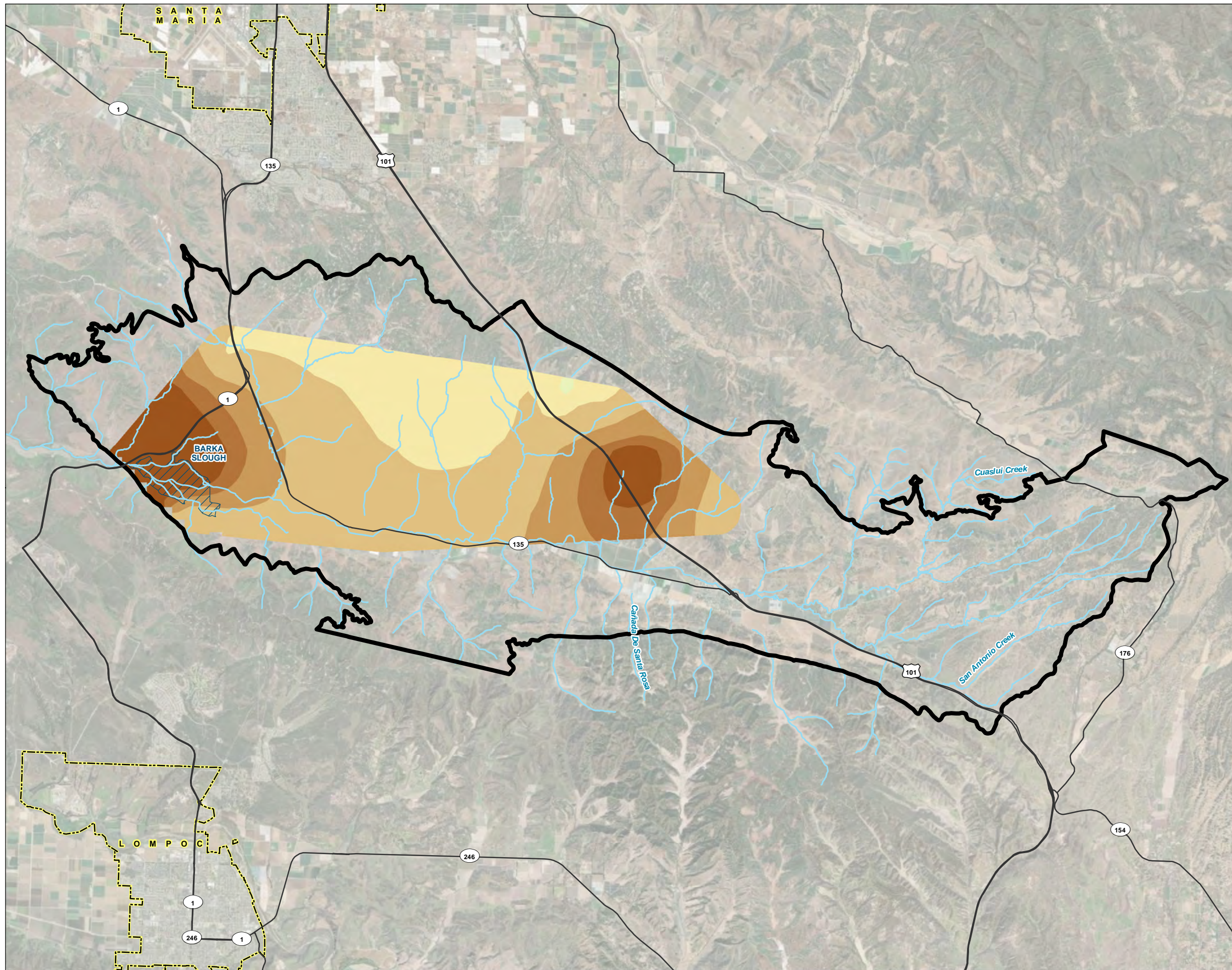


FIGURE 22

**Careaga Sand
Annual Change in
Groundwater Elevation
Fall 2019 to Fall 2020**
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin



LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

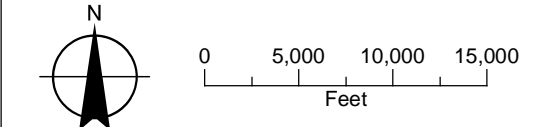
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988

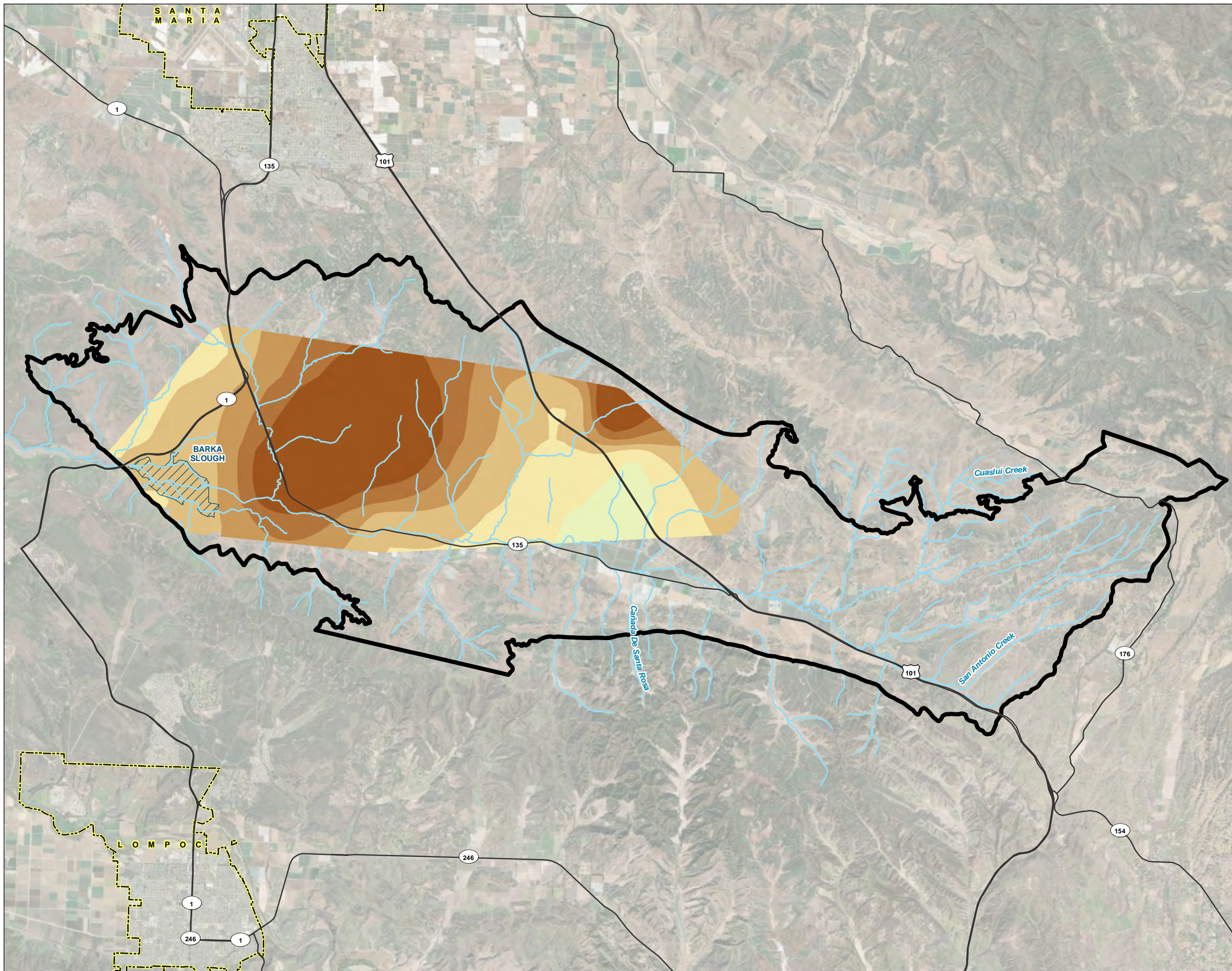


Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



FIGURE 23

**Careaga Sand
Annual Change in
Groundwater Elevation
Fall 2020 to Fall 2021**
Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin



LEGEND

Change in Groundwater Elevation (feet NAVD88)¹

- > 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10
- 10 - 0
- 20 - -10
- 30 - -20
- 30

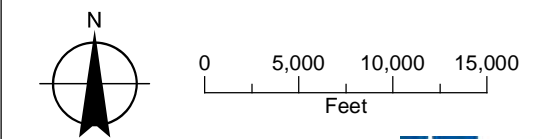
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin²
- Barka Slough
- City Boundary

NOTES

1. The change in groundwater elevation extents are bound by the lateral limits of the subject aquifer (see Figure 2) and available groundwater elevation data.
2. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: March 9, 2022
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



6.2 Annual and Cumulative Change in Groundwater in Storage Calculations (§ 356.2[b][5][B])

The groundwater elevation change maps (Figure 20 through Figure 23) represent a volume change within the Paso Robles Formation and Careaga Sand for each water year. The volume change depicted on each map represents a total volume, including the volume of the aquifer material and the volume of groundwater stored within the void space of the aquifer. The portion of void space in the aquifer that can be utilized for groundwater storage is represented by the aquifer storage coefficient (S). Storage coefficient is a term similar to porosity and is a unitless factor that is multiplied by the total volume change between water years to derive the change in groundwater in storage. Based on work completed for the GSP (GSI and GEI, 2021) and Martin, 1985, S is estimated to be 0.15 for the Paso Robles Formation and 0.001 for the confined portion (the Slough area) of the Careaga Sand. The annual changes of groundwater in storage calculated for water years 2019, 2020, and 2021 are presented in Table 7. Annual and cumulative change in groundwater in storage since 1981 are presented on Figure 24.

The well set used for contouring groundwater elevations for water year 2018 for the Paso Robles Formation and the Careaga Sand provided greater spatial coverage of the Basin compared to those used for water years 2019 through 2021; therefore, groundwater elevation contour maps for water years 2018 and 2019 were not able to be effectively compared and a change in groundwater in storage was unable to be calculated using that methodology. Change in groundwater in storage for water year 2019 was calculated by evaluating the relationship between precipitation, total pumping, and annual change in groundwater in storage during the historical water budget period. Measured annual precipitation and calculated groundwater pumping and annual change in groundwater in storage for water year 2019 were compared to water years with similar values and similar preceding water year. Annual precipitation and annual change in groundwater in storage were plotted and determined to have a direct relationship. An average ratio of annual precipitation and annual change in groundwater in storage was determined using water years with similar precipitation, groundwater pumping and preceding water year to water year 2019. The change in groundwater in storage for water year 2019 was calculated by dividing the measured annual precipitation during water year 2019 by the average ratio of annual precipitation and annual change in groundwater in storage for water years hydrologically similar to 2019.

Table 7. Annual Changes in Groundwater in Storage

Water Year	Paso Robles Formation (AF)	Careaga Sand (AF)	Total Annual Change in Groundwater in Storage ¹ (AF)
2015	—	—	-26,400
2016	—	—	-23,600
2017 ²	—	—	-2,900
2018 ²	—	—	-23,700
2019	-15,400	-370	-15,800
2020	-18,800	-410	-19,200
2021	-20,500	-540	-21,000
Cumulative Change in Groundwater in Storage ³	-54,700	-1,300	-132,600

Notes

¹ Due to rounding, totals do not correspond to the sum of all figures shown.

² The water year's historical water budget agricultural pumping volume was revised based on updated data.

Grey shading indicates a water year included in the historical water budget.

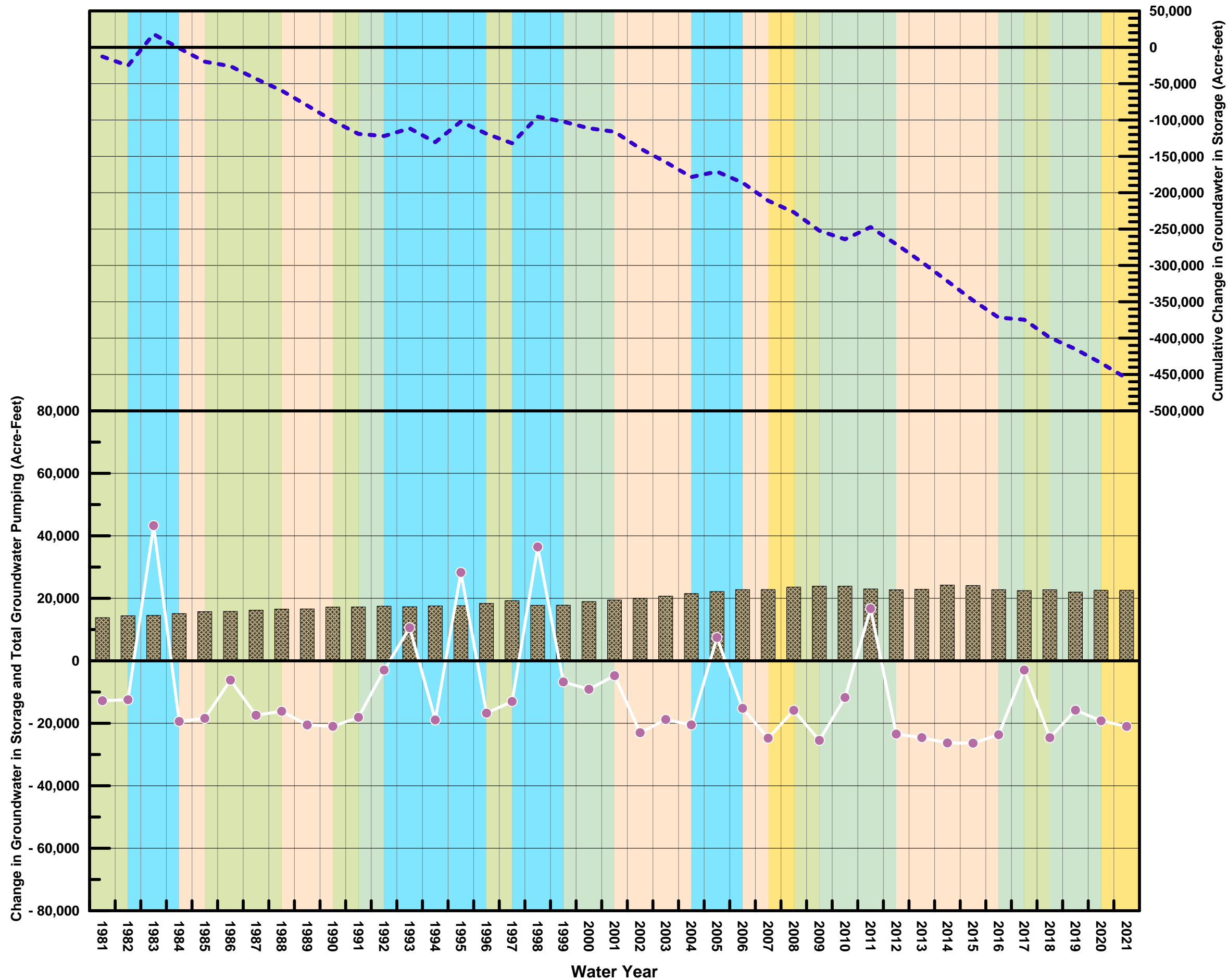
— = not calculated

AF = acre-feet

FIGURE 24

Cumulative Change in Groundwater in Storage

Groundwater Sustainability Plan
2021 Annual Report
San Antonio Creek Valley
Groundwater Basin



SECTION 7: Progress toward Basin Sustainability (§ 356.2[c])

7.1 Introduction

This section summarizes several management actions that are in process of being implemented in the Basin to avoid undesirable results and to attain sustainability. These management actions are focused primarily on filling identified data gaps, developing funding for SABGSA operations and future basin monitoring, registering and metering wells, and developing new and expanding existing water use efficiency programs for implementation within the Basin.

This section also provides a brief discussion of land subsidence, potential depletion of interconnected surface waters, and groundwater quality trends that have occurred during water years 2019, 2020, and 2021.

7.2 Tier 1 Management Actions

Tier 1 management actions are described in the GSP (GSI and GEI, 2021) and include:

- Address Data Gaps
 - Expand Monitoring Well Network in the Basin to Increase Spatial Coverage and Well Density
 - Perform Reference Point Elevation and Video Surveys in Representative Wells That Currently Do Not Have Adequate Construction Records to Confirm Well Construction
 - Install Stream Gages and Shallow Piezometers at Barka Slough
 - LACSD Wellfield Pumping Coordination/Offsite Well Impact Mitigation
 - Review/Update Water Usage Factors and Crop Acreages and Update Water Budget
 - Survey and Investigate Potential Groundwater Dependent Ecosystems (GDEs) in the Basin
 - Review U.S. Geological Survey (USGS) Groundwater Model/Update HCM
- Groundwater Pumping Fee Program
- Well Registration Program and Well Meter Installation Program
- Water Use Efficiency Programs

The SABGSA member agencies will initiate work on Tier 1 management actions within 1 year of GSP adoption. These management actions are focused primarily on filling identified data gaps, developing funding for SABGSA operations and future basin monitoring, registering and metering wells, and developing new and expanding existing water use efficiency programs for implementation within the Basin.

The SABGSA member agencies will monitor the effectiveness of these Tier 1 management actions on an annual basis to determine if they will be sufficient to achieve groundwater basin sustainability. The overall effectiveness of individual management actions will also be evaluated annually to determine if continued investment in those actions is warranted or if other actions should be considered.

7.3 Management Action Implementation Approach

Using authorities outlined in §§ 10725 to 10726.9 of the California Water Code, the SABGSA will ensure the maximum degree of local control and flexibility consistent with the GSP to commence management actions. The effect of the management actions will be reviewed annually, and additional higher tiered management actions and priority projects will be implemented as necessary to avoid undesirable results.

In general, basin-wide management actions will apply to all areas within the Basin and reflect basic GSP implementation requirements, such as extraction measurement, monitoring, reporting and outreach, necessary studies and early planning work, monitoring and filling data gaps, Annual Reports and GSP updates, and implementing an allocation program that includes limitations on groundwater pumping aimed at both keeping groundwater levels stable and avoiding undesirable results. The SABGSA anticipates that new policies, ordinances, and regulations will be required in advance of the implementation of some of the planned management actions. Public meetings and hearings will be held during the process of determining when and where in the basin management actions and priority projects are to be implemented to maximize benefits to the Basin. Some of these may require California Environmental Quality Act compliance and legal support and guidance. A proportional and equitable approach to funding implementation of the GSP and any optional actions will be developed in accordance with all State laws and applicable public process requirements. During these meetings and hearings, input from the public, interested stakeholders, and groundwater pumpers will be considered and incorporated into the decision-making process. The SABGSA will annually assess the effectiveness that management actions and priority projects have achieved in stabilizing groundwater levels and meeting the basin sustainability goals described in the GSP and will reassess the need for continuing and/or expanding these actions. At a minimum, the reassessment process will be done annually as part of the annual reporting process or as part of the required 5-year review and report to DWR.

The SABGSA has begun to develop a Well Registration and Well Meter Installation / Extraction Measurement Program. The SABGSA formed an Ad Hoc Committee—comprised of two SABGSA Board of Directors Members, two SABGSA Advisory Committee Members, and the Executive Directors of both the SABGSA and San Antonio Basin Water District—to establish a framework for the Well Registration and Well Meter Installation / Extraction Measurement Program. Once the framework is established, the SABGSA Advisory Committee plans to discuss and recommend specific policies and procedures to be considered and implemented by the SABGSA Board of Directors.

The proposed Well Registration and Well Meter Installation / Extraction Measurement Program may include a system for reporting and accounting for water conservation initiatives, voluntary irrigated land fallowing (temporary and permanent), storm water capture projects, or other activities that individual pumpers may elect to implement. The Well Registration and Well Meter Installation / Extraction Measurement Program will aid the SABGSAs effort to identify wells and landowners that could be included in the Basin’s groundwater level monitoring network, particularly in areas with a low-density of wells (see Section 2.4.2). The information collected would be used to account for pumping that would have otherwise occurred, to provide additional information to be used by the SABGSA for analyzing projected basin conditions, updating the HCM, and completing annual reports and 5-year GSP assessment reports as required by the DWR.

Santa Barbara County Public Works Department has implemented a Well Metering Assistance Program (WMAP)¹³ designed to provide funding to offset up to \$500 of the equipment cost of qualifying water meters. Rules of the WMAP include:

- The groundwater well installation must be located within DWR Bulletin 118 groundwater basin boundary in the following basins:
 - Carpinteria Groundwater Basin
 - Cuyama Valley Groundwater Basin
 - Montecito Groundwater Basin
 - San Antonio River Valley Groundwater Basin
 - Santa Ynez River Valley Groundwater Basin
- Eligibility is limited to 1 meter per applicant
- The program participant must agree to the terms and conditions summarized in the WMAP Application
- The well meter must meet guidelines, if any, established by the Basin's GSA. If no guideline is provided, the calibrated meter must meet a 2 percent accuracy standard.

7.4 Summary of Progress toward Meeting Basin Sustainability

This 2021 Annual Report indicates that groundwater trends are consistent with conditions reported in the GSP. Groundwater elevations decreased or remained the same in all RMSs, resulting in an overall decrease in total groundwater in storage. Current basin conditions, comparison of current and historical groundwater elevation contour maps, and the basin historical water budget presented in the GSP, indicate groundwater pumping in excess of the sustainable yield has created challenging conditions for sustainable management. Tier 1 management actions (as outlined in Section 6 of GSI and GEI, 2021 and summarized in the above bulleted list) are planned to address data gaps through improvement of the monitoring and data-collection networks, as well program implementation for better measurement of groundwater pumping and to promote stakeholder accountability and sustainable groundwater use.

7.4.1 Groundwater Quality

The sustainability indicator for groundwater quality takes into consideration protection of municipal drinking water supplies, domestic uses, and agricultural uses of groundwater in the Basin. For municipal wells and drinking water supplied by domestic wells, state and federal regulatory standards (MCLs and SMCLs) established by the SWRCB DDW and U.S. Environmental Protection Agency, respectively, were used to establish thresholds and identify COCs. For agricultural uses, thresholds and COCs were established using WQOs presented in the Basin Plan (RWQCB, 2019). The SABGSA has no responsibility to manage groundwater quality unless it can be shown that water quality degradation is caused by pumping in the Basin, or the SABGSA implements a project that degrades water quality. Potential degradation of groundwater quality caused by groundwater pumping will be monitored as part of the Basin's water quality monitoring network (see Section 5 of GSI and GEI, 2021). Likewise, potential degradation of water quality due to implementation of projects and management actions (see Section 6 of GSI and GEI, 2021) will be evaluated during the planning stage of the respective action and monitored at a minimum as part of the Basin's water quality monitoring network.

¹³ More information regarding the Santa Barbara County Public Works Department WMAP can be found at: <https://countyofsb.org/pwd/WellMeteringProgram.sbc#:~:text=The%20Well%20Metering%20Assistance%20Program,of%20our%20County's%20groundwater%20resources.>

Identified COCs that have the potential to impact suitability of water for public supply or agricultural use in the Basin include TDS, sodium, chloride, sulfate, arsenic, nitrate, boron, and DEHP. There are no known point source contaminant plumes in groundwater in the Basin.

Historically, groundwater in the Basin is of widely varying quality and generally decreases in quality from east to west. Concentrations of TDS generally increase from east to west along San Antonio Creek; and are greatest near the Slough, along western San Antonio Creek, and in Harris Canyon. Concentrations of boron, sodium, and chloride are also elevated near the Slough, along western San Antonio Creek, and in Harris Canyon. Historical chloride concentrations exceeding the WQO were collected from wells located in the western portion of the Basin along San Antonio Creek, near the Slough, or in Harris Canyon. Historical boron concentrations exceeding the WQO were collected from wells located in the western portion of the Basin along San Antonio Creek, near the Slough, or in Harris Canyon. Based on available information, the east to west trend of increasing TDS and salts concentrations is consistent between the Paso Robles Formation and the Careaga Sand. Historical analytical results from samples collected from a nested monitoring well (SACR) along San Antonio Creek, in the western portion of the Basin, indicate that concentrations of TDS decreased with depth.

Water quality data for water years 2019 to 2021 were obtained through the SWRCB GAMA program online database and the SWRCB DDW public water supply well water quality program. See table in Appendix F for summarized average concentrations of COCs measured at groundwater wells included in the Basin groundwater quality monitoring network. Average concentrations, by well and COC, are further categorized as pre-SGMA enactment (2015) and post-SGMA (2015 to last measured). DEHP is not included as a COC in the table in Appendix F because concentrations exceeding water quality regulatory standards have not been detected since 1990.

Based on data from the SWRCB ILRP, average nitrate concentrations were reported at concentrations exceeding the respective MCL (10 milligrams per liter) in one domestic supply well and one irrigation supply well since enactment of SGMA. Average concentrations of chloride (in 1 well), iron (in 3 wells), manganese (in 4 wells), sulfate (in 2 wells), and TDS (in 6 wells) exceeding their respective SMCLs were reported in wells included in both the SWRCB DDW public water supply well water quality program and SWRCB ILRP since enactment of SGMA. Average concentrations of sodium (in 13 wells), nitrate (in 6 wells), sulfate, (in 30 wells) and TDS (in 32 wells) exceeding their respective WQOs were reported in wells included in both the SWRCB DDW public water supply well water quality program and SWRCB ILRP since enactment of SGMA. In comparison to pre-SGMA average concentrations of COCs exceeding their respective water quality regulatory standard, the number of wells with average concentrations of manganese, sodium, sulfate, and TDS increased. Similarly, the maximum reported average concentration for COCs increased for iron, manganese, sulfate, and TDS during the post-SGMA period compared to the pre-SGMA period. The minimum threshold for the degraded groundwater quality sustainability indicator (see Section 4.8 of GSI and GEI, 2021) was not exceeded during this reporting period.

Graphs comparing temporal concentrations of COCs from select wells included in the Basin's Groundwater Quality Monitoring Network are also included in Appendix F. Wells were selected based on period of record and location. Well groupings include East of Los Alamos, LACSD Wells, North of Los Alamos, Central Basin, and VSFB Wells. The graphs indicate concentrations of COCs (e.g., iron and manganese) exceeding SMCLs in the VSFB wells. Historical concentrations of COCs (e.g., nitrate, sodium, sulfate, and TDS) exceed the Basin's WQOs in multiple wells across the Basin. Historical concentrations of COCs, such as TDS, generally increase along the axis of the Basin. The LACSD well group indicates increasing TDS, nitrate, and sulfate concentrations over their period of record, including since 2015. Concentrations of TDS, nitrate, and sodium in the other four wells groups remained relatively stable over their period of record. Concentrations of sulfate also show increasing trends in the North of Los Alamos and Central Basin well groups over their period of record, including since 2015.

According to the California Department of Conservation, Geologic Energy Management Division online Well Finder, or WellSTAR, tool, nine named oil and gas fields are within or adjacent to the Basin: Cat Canyon, Zaca, Barham Ranch, Los Alamos, Lompoc, Harris Canyon (abandoned), Careaga, Orcutt, and Four Deer (abandoned) (see Figure 3-47 of GSI and GEI, 2021).¹⁴ The USGS, in cooperation with the SWRCB, initiated the California Oil, Gas, and Groundwater (COGG) Program in 2015.¹⁵ The objective of the COGG Program is to determine where and to what extent groundwater quality may be adversely impacted by proximal oil and gas development activities (Davis, et al., 2018). Results and interpretations from the COGG Program are not yet available for review, as of the writing of this report. If results and interpretations become available during the implementation period of the GSP, the SABGSA will consider these findings during GSP 5-year interim periods as part of the overall groundwater quality monitoring program.

7.4.2 Land Subsidence

Land subsidence is the lowering of the land surface. Land subsidence can be caused by a number of factors, including (1) lowering of groundwater levels due to pumping if the subsurface geology is prone to subsidence (that is, contains substantial clay beds), (2) oil and gas production, and (3) tectonic activity. For subsidence to occur as a result of groundwater extraction, water levels would need to drop below historical levels for extended periods of time.

Based on data available from the UNAVCO CGPS Station ORES, located in Los Alamos, no land subsidence in the Basin has occurred at rates exceeding the minimum threshold of 0.05 feet per year, described in the GSP, during water years 2019 to 2021 (see Table 8). According to land surface elevation measurement collected at the CGPS station, the rate of subsidence has decreased during water years 2019 to 2021 when compared to historical water years 2016 to 2018. Available DWR InSAR land subsidence data currently extends through the end of water year 2021 (available DWR InSAR land subsidence data ranges from June 2015 to October 2021). According to the DWR InSAR data, total land subsidence that occurred in the Basin ranged from -0.1 to +0.1 ft for water years 2019 to 2020 and 2020 to 2021. Although DWR InSAR data indicate a slight decrease in annual rate of land subsidence (decrease of 0.01 feet per year) during water years 2019 to 2020¹⁶ compared to water years 2016 to 2018, the decrease in annual subsidence rate remains below the accuracy range (0.05 ft) of the methodology (Towill, Inc., 2020; see Table 8 of this Annual Report and Section 3.2 of GSI and GEI, 2021).

¹⁴ Available at <https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx>. (Accessed January 12, 2022.)

¹⁵ Description available at <https://webapps.usgs.gov/cogg/>. (Accessed January 12, 2022.)

¹⁶ DWR InSAR vertical displacement point data was unavailable for water year 2021 at the time of review. Total annual vertical displacement was available as vertical displacement raster data.

Table 8. Summary of UNAVCO CGPS Station ORES and DWR InSAR Land Subsidence Data

Water Year	Data Source	Vertical Displacement		Total and Annual Rate of Vertical Displacement (CGPS) ¹ (feet per year)	Total and Annual Rate of Vertical Displacement (InSAR) ¹ (feet per year)
		Start of Water Year (feet)	End of Water Year (feet)		
2016	CGPS	-0.475	-0.548		
	InSAR	0.009	-0.05		
2017	CGPS	-0.548	-0.588	0.15	0.16
	InSAR	-0.04	-0.104	0.05	0.47
2018	CGPS	-0.588	-0.625		
	InSAR	-0.095	-0.131		
2019	CGPS	-0.65	-0.647		
	InSAR	-0.148	-0.174		0.09
2020	CGPS	-0.655	-0.677	0.051	0.04
	InSAR	-0.197	-0.231	0.017	
2021	CGPS	-0.682	-0.701		
	InSAR	—	—		—

Notes

¹ Total and annual rate of vertical displacement is calculated using the measured displacement at the beginning and end of the respective period of water years.

— = not applicable or not available

CGPS = Continuous Global Positioning System

DWR = California Department of Water Resources

InSAR = Interferometric Synthetic Aperture Radar

UNAVCO = University NAVSTAR Consortium

7.4.3 Interconnected Surface Water

Lack of stream gauging data and the ephemeral nature of surface water flows in the Basin make it difficult to assess the interconnectivity of surface water and groundwater and to quantify the degree to which surface water depletion has occurred. According to the USGS National Hydrography Dataset, three springs or seeps were identified in the Basin (see Figure 3-9 of GSI and GEI, 2021). Based on location, the three springs or seeps are suspected to be overlying the Paso Robles Formation. Two additional springs or seeps were identified by basin stakeholders and are located northeast of Los Alamos on Price Ranch within a tributary to San Antonio Creek and in the Las Flores watershed, a tributary to San Antonio Creek, in the low-lying grassland areas immediately west of U.S. HWY 101 (CRCD, 2003) (see Figure 3-9 of GSI and GEI, 2021). Based on location, the spring or seep in the Las Flores watershed overlies the Paso Robles Formation and the Price Ranch spring or seep is located near the contact between the Paso Robles Formation and the Careaga Sand. Without additional analysis, it is unknown whether the groundwater source of these springs or seeps is from the underlying principal aquifer or from perched water within the channel alluvium. As discussed in Section 3.1.3.1 of GSI and GEI, 2021, artesian conditions exist in the Basin and are due to localized confining layers created by the synclinal structure of the Basin, the presence of overlying fine-grained deposits, and or faults present within the Basin (Carlson, 2019; USGS, 2021). Planned additional analysis of these areas are described in Section 6.

Interconnected surface water and groundwater within the Paso Robles Formation and Careaga Sand occurs where the groundwater in these units is forced upward by a subsurface bedrock groundwater barrier. See Figure 4 for a conceptual model of groundwater flow as it reaches the Slough. The depletion of interconnected surface water sustainability indicator is measured by monitoring streamflow recorded at the Casmalia stream gage. The minimum threshold for the depletion of interconnected surface water sustainability indicator is an average streamflow of 0.15 cfs measured at the Casmalia stream gage over three consecutive months between June to September. This minimum threshold was not reached. The lowest average measured stream flow recorded at the Casmalia stream gage between the months of June to September during water years 2019 and 2020 was 0.32 cfs (recorded in September 2020). As of this reporting, available stream flow data for water year 2021 is categorized as provisional by the USGS and so is not reported here. Summaries of stream flow measurements collected from the Casmalia stream gage for water years 2018 to 2020 are included in Appendix F.

7.4.4 Summary of Changes in Basin Conditions

Although precipitation for water years 2019 and 2020 was above normal, groundwater elevation trends in RMSs, generally indicate a decreasing trend. All 15 basin groundwater monitoring network RMSs were measured during this reporting period (water years 2019 to 2021); however, 4 of the 15 RMSs were last measured in June 2019 due to access issues.¹⁷ None of the RMSs with an observed decrease in groundwater levels exhibit groundwater elevations at or below the minimum threshold established in the GSP.

Calculated groundwater in storage in the Basin decreased by more than 56,000 AF from the end of water year 2018 through the end of water year 2021. The volume of groundwater extractions (by pumping) and the number of irrigated acres in the Basin has increased by approximately 800 AF and 150 acres since water year 2018, respectively. Groundwater pumping continues to exceed the Basin's estimated sustainable yield. The planned projects and management actions, described in Section 6 of GSI and GEI, 2021, will be necessary to bring the Basin into sustainability.

7.4.5 Summary of Impacts of Projects and Management Actions

Due to the short duration of time between the adoption of the GSP and the submittal of this Annual Report, additional time is necessary to implement projects and managements actions and to evaluate their effectiveness and quantitative impacts. However, it is anticipated that the projects and management actions will enable the Basin to work toward sustainable management of groundwater and achievement of sustainability goals as defined in the GSP.

¹⁷ The SABGSA has secured land access agreements with well owners for 10 of the 15 groundwater level monitoring network RMSs. The SABGSA continues to request access agreements from well owners of the 5 outstanding RMSs, as described in Section 5.3 of the GSP (GSI and GEI, 2021).

SECTION 8: References

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8.2 Figure References

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APPENDIX A

Sustainable Groundwater Management Act Groundwater
Sustainability Plan Regulations for Annual Reports

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§ 356.2. Annual Reports

Each Agency shall submit an annual report to the Department by April 1 of each year following the adoption of the Plan. The annual report shall include the following components for the preceding water year:

(a) General information, including an executive summary and a location map depicting the basin covered by the report.

(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:

(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:

(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.

(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.

(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.

(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.

(4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

(5) Change in groundwater in storage shall include the following:

(A) Change in groundwater in storage maps for each principal aquifer in the basin.

(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

(c) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.

Note: Authority cited: Section 10733.2, Water Code.

Reference: Sections 10727.2, 10728, and 10733.2, Water Code.

APPENDIX B

Precipitation Data

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County of Santa Barbara
 Daily Rainfall Record - through 11-01-2021

#204 - Los Alamos Fire Station
 Lat 34-44-43, Long 120-16-48, Elev 580 ft

Daily Rainfall (in inches) recorded as of 8am for the previous 24 hours (PST)
 Codes: PR = Preliminary data, E = Estimated from nearby gauge

station id	water year	year	month	day	daily rain	code
204	1910	1909	10	3	0.90	
204	1910	1909	10	29	0.05	
204	1910	1909	11	9	0.96	
204	1910	1909	11	11	0.13	
204	1910	1909	11	26	0.17	
204	1910	1909	11	27	0.43	
204	1910	1909	12	5	1.20	
204	1910	1909	12	7	0.37	
204	1910	1909	12	8	0.71	
204	1910	1909	12	9	2.35	
204	1910	1909	12	20	0.66	
204	1910	1909	12	21	0.31	
204	1910	1909	12	22	0.20	
204	1910	1910	1	1	1.47	
204	1910	1910	1	2	0.33	
204	1910	1910	1	12	0.06	
204	1910	1910	1	15	0.19	
204	1910	1910	1	16	1.05	
204	1910	1910	1	23	0.18	
204	1910	1910	1	24	0.30	
204	1910	1910	2	6	0.10	
204	1910	1910	2	19	0.08	
204	1910	1910	2	23	0.05	
204	1910	1910	3	14	0.70	
204	1910	1910	3	17	0.15	
204	1910	1910	3	21	1.03	
204	1910	1910	3	22	0.43	
204	1910	1910	3	23	0.10	
204	1910	1910	3	25	0.22	
204	1910	1910	3	27	1.45	
204	1910	1910	3	28	0.10	
204	1911	1910	9	14	0.14	
204	1911	1910	9	15	0.70	
204	1911	1910	10	11	0.12	
204	1911	1910	11	4	0.18	
204	1911	1910	11	25	0.40	
204	1911	1910	12	3	0.03	
204	1911	1910	12	10	0.10	
204	1911	1910	12	18	0.20	
204	1911	1910	12	19	0.13	
204	1911	1911	1	9	1.00	
204	1911	1911	1	10	0.45	

station id	water year	year	month	day	daily rain	code
204	1911	1911	1	11	0.03	
204	1911	1911	1	12	0.11	
204	1911	1911	1	13	0.15	
204	1911	1911	1	14	0.47	
204	1911	1911	1	15	0.18	
204	1911	1911	1	19	0.15	
204	1911	1911	1	24	0.84	
204	1911	1911	1	25	0.63	
204	1911	1911	1	28	0.60	
204	1911	1911	1	29	2.95	
204	1911	1911	1	30	1.10	
204	1911	1911	1	31	0.87	
204	1911	1911	2	3	0.72	
204	1911	1911	2	4	0.48	
204	1911	1911	2	11	0.84	
204	1911	1911	2	12	0.15	
204	1911	1911	2	14	0.38	
204	1911	1911	2	26	0.06	
204	1911	1911	2	27	0.26	
204	1911	1911	2	28	0.75	
204	1911	1911	3	1	2.66	
204	1911	1911	3	2	0.22	
204	1911	1911	3	3	0.61	
204	1911	1911	3	4	0.95	
204	1911	1911	3	5	0.92	
204	1911	1911	3	6	1.06	
204	1911	1911	3	7	3.10	
204	1911	1911	3	8	0.98	
204	1911	1911	3	9	1.16	
204	1911	1911	3	10	0.55	
204	1911	1911	3	21	0.20	
204	1911	1911	4	1	0.92	
204	1911	1911	4	5	0.23	
204	1911	1911	4	6	0.07	
204	1911	1911	4	26	0.25	
204	1912	1911	12	4	0.42	
204	1912	1911	12	6	0.70	
204	1912	1911	12	7	0.06	
204	1912	1911	12	17	0.15	
204	1912	1911	12	28	0.17	
204	1912	1911	12	29	0.35	
204	1912	1912	1	2	0.55	
204	1912	1912	1	10	0.41	
204	1912	1912	1	11	0.11	
204	1912	1912	1	16	0.22	
204	1912	1912	1	26	0.30	
204	1912	1912	3	1	0.09	
204	1912	1912	3	2	0.11	
204	1912	1912	3	3	0.15	
204	1912	1912	3	4	0.71	
204	1912	1912	3	5	1.11	

station id	water year	year	month	day	daily rain	code
204	1912	1912	3	6	0.27	
204	1912	1912	3	9	0.60	
204	1912	1912	3	10	1.00	
204	1912	1912	3	12	1.85	
204	1912	1912	3	13	0.25	
204	1912	1912	3	16	0.05	
204	1912	1912	3	21	0.42	
204	1912	1912	3	26	0.16	
204	1912	1912	4	8	0.12	
204	1912	1912	4	9	0.08	
204	1912	1912	4	10	0.11	
204	1912	1912	4	11	0.42	
204	1912	1912	4	29	0.12	
204	1912	1912	5	6	0.10	
204	1912	1912	5	7	0.17	
204	1912	1912	5	8	0.17	
204	1912	1912	5	25	0.68	
204	1913	1912	11	10	0.30	
204	1913	1912	12	15	0.16	
204	1913	1913	1	9	0.62	
204	1913	1913	1	10	0.30	
204	1913	1913	1	14	0.03	
204	1913	1913	1	15	1.44	
204	1913	1913	1	16	0.37	
204	1913	1913	1	17	0.10	
204	1913	1913	1	18	0.02	
204	1913	1913	2	8	0.53	
204	1913	1913	2	21	0.37	
204	1913	1913	2	22	0.27	
204	1913	1913	2	23	0.31	
204	1913	1913	2	24	1.32	
204	1913	1913	2	25	0.42	
204	1913	1913	3	18	0.25	
204	1913	1913	3	21	0.20	
204	1913	1913	3	22	0.05	
204	1913	1913	3	23	0.25	
204	1913	1913	4	14	0.14	
204	1913	1913	4	17	0.19	
204	1913	1913	4	18	0.09	
204	1913	1913	4	22	0.08	
204	1913	1913	5	28	0.15	
204	1913	1913	6	26	0.30	
204	1913	1913	6	27	0.05	
204	1913	1913	8	28	1.20	
204	1914	1913	11	1	0.10	
204	1914	1913	11	12	0.30	
204	1914	1913	11	13	0.95	
204	1914	1913	11	14	0.05	
204	1914	1913	11	18	0.75	
204	1914	1913	11	19	0.20	
204	1914	1913	11	29	0.10	

station id	water year	year	month	day	daily rain	code
204	1914	1913	12	14	0.40	
204	1914	1913	12	19	0.07	
204	1914	1913	12	23	0.60	
204	1914	1913	12	25	1.02	
204	1914	1913	12	30	0.85	
204	1914	1913	12	31	0.11	
204	1914	1914	1	1	0.10	
204	1914	1914	1	2	0.10	
204	1914	1914	1	15	1.20	
204	1914	1914	1	16	0.15	
204	1914	1914	1	18	1.25	
204	1914	1914	1	19	2.10	
204	1914	1914	1	22	0.23	
204	1914	1914	1	23	0.04	
204	1914	1914	1	24	1.93	
204	1914	1914	1	25	2.75	
204	1914	1914	1	26	0.35	
204	1914	1914	1	27	1.10	
204	1914	1914	2	18	2.36	
204	1914	1914	2	20	3.50	
204	1914	1914	2	21	0.40	
204	1914	1914	3	27	0.07	
204	1914	1914	3	29	0.90	
204	1914	1914	4	4	0.07	
204	1914	1914	4	5	0.03	
204	1914	1914	4	22	0.35	
204	1915	1914	12	1	1.20	
204	1915	1914	12	3	0.10	
204	1915	1914	12	4	0.13	
204	1915	1914	12	5	0.18	
204	1915	1914	12	6	0.15	
204	1915	1914	12	10	0.74	
204	1915	1914	12	11	0.58	
204	1915	1914	12	12	0.15	
204	1915	1914	12	17	1.27	
204	1915	1914	12	18	0.20	
204	1915	1914	12	20	0.19	
204	1915	1914	12	27	0.23	
204	1915	1915	1	4	0.25	
204	1915	1915	1	5	0.20	
204	1915	1915	1	8	0.38	
204	1915	1915	1	14	0.25	
204	1915	1915	1	20	0.06	
204	1915	1915	1	24	0.22	
204	1915	1915	1	27	0.07	
204	1915	1915	1	28	0.86	
204	1915	1915	1	29	2.15	
204	1915	1915	1	30	0.90	
204	1915	1915	2	2	1.36	
204	1915	1915	2	3	0.46	
204	1915	1915	2	8	0.95	

station id	water year	year	month	day	daily rain	code
204	1915	1915	2	9	2.08	
204	1915	1915	2	10	0.84	
204	1915	1915	2	11	0.12	
204	1915	1915	2	16	0.25	
204	1915	1915	2	17	0.48	
204	1915	1915	2	19	0.06	
204	1915	1915	2	20	0.69	
204	1915	1915	2	24	0.51	
204	1915	1915	2	28	0.36	
204	1915	1915	3	1	0.05	
204	1915	1915	3	7	0.16	
204	1915	1915	3	28	0.40	
204	1915	1915	4	7	0.05	
204	1915	1915	4	21	1.25	
204	1915	1915	4	22	0.05	
204	1915	1915	4	23	0.10	
204	1915	1915	4	26	0.25	
204	1915	1915	4	28	0.35	
204	1915	1915	4	29	0.09	
204	1915	1915	5	1	0.14	
204	1915	1915	5	2	0.46	
204	1915	1915	5	4	0.70	
204	1915	1915	5	5	0.03	
204	1915	1915	5	12	0.12	
204	1915	1915	5	17	0.20	
204	1918	1917	12	26	0.04	
204	1918	1918	1	13	0.30	
204	1918	1918	1	14	0.04	
204	1918	1918	1	26	0.07	
204	1918	1918	2	6	0.04	
204	1918	1918	2	7	0.30	
204	1918	1918	2	17	0.83	
204	1918	1918	2	18	0.12	
204	1918	1918	2	19	0.14	
204	1918	1918	2	20	5.81	
204	1918	1918	2	21	2.32	
204	1918	1918	2	22	1.12	
204	1918	1918	2	24	1.10	
204	1918	1918	2	26	0.10	
204	1918	1918	3	5	0.55	
204	1918	1918	3	6	0.39	
204	1918	1918	3	7	1.25	
204	1918	1918	3	8	0.10	
204	1918	1918	3	10	0.26	
204	1918	1918	3	11	0.76	
204	1918	1918	3	18	0.81	
204	1918	1918	3	19	3.01	
204	1918	1918	3	27	0.05	
204	1918	1918	8	13	0.03	
204	1918	1918	8	14	0.05	
204	1918	1918	8	27	0.12	

station id	water year	year	month	day	daily rain	code
204	1919	1918	9	13	0.03	
204	1919	1918	9	14	0.05	
204	1919	1918	9	27	0.12	
204	1919	1918	10	1	0.30	
204	1919	1918	11	4	0.17	
204	1919	1918	11	5	0.15	
204	1919	1918	11	14	0.31	
204	1919	1918	11	15	0.18	
204	1919	1918	11	18	0.98	
204	1919	1918	11	19	0.38	
204	1919	1918	11	23	0.77	
204	1919	1918	12	7	1.69	
204	1919	1918	12	8	0.28	
204	1919	1918	12	9	0.30	
204	1919	1918	12	20	0.06	
204	1919	1918	12	21	0.30	
204	1919	1919	1	19	0.46	
204	1919	1919	2	1	0.40	
204	1919	1919	2	2	0.04	
204	1919	1919	2	9	0.10	
204	1919	1919	2	10	0.43	
204	1919	1919	2	11	1.05	
204	1919	1919	2	15	0.04	
204	1919	1919	2	22	0.04	
204	1919	1919	2	23	0.19	
204	1919	1919	2	24	0.04	
204	1919	1919	2	26	0.36	
204	1919	1919	2	27	0.04	
204	1919	1919	2	28	0.02	
204	1919	1919	3	1	0.03	
204	1919	1919	3	2	0.13	
204	1919	1919	3	13	0.97	
204	1919	1919	3	14	0.52	
204	1919	1919	4	26	0.06	
204	1919	1919	5	28	1.11	
204	1919	1919	5	29	0.24	
204	1920	1919	9	1	0.02	
204	1920	1919	9	2	0.56	
204	1920	1919	10	24	0.16	
204	1920	1919	10	25	0.02	
204	1920	1919	11	26	0.03	
204	1920	1919	11	27	0.11	
204	1920	1919	11	30	0.03	
204	1920	1919	12	1	0.04	
204	1920	1919	12	2	0.17	
204	1920	1919	12	4	0.62	
204	1920	1919	12	5	0.97	
204	1920	1919	12	6	0.32	
204	1920	1919	12	8	0.05	
204	1920	1919	12	11	0.50	
204	1920	1920	1	4	0.14	

station id	water year	year	month	day	daily rain	code
204	1920	1920	1	22	0.07	
204	1920	1920	1	23	0.18	
204	1920	1920	2	1	0.40	
204	1920	1920	2	2	0.54	
204	1920	1920	2	9	0.02	
204	1920	1920	2	19	0.66	
204	1920	1920	2	22	0.84	
204	1920	1920	2	23	0.18	
204	1920	1920	2	27	0.18	
204	1920	1920	2	29	0.15	
204	1920	1920	3	1	0.46	
204	1920	1920	3	2	0.11	
204	1920	1920	3	9	0.06	
204	1920	1920	3	10	0.22	
204	1920	1920	3	16	0.44	
204	1920	1920	3	21	0.93	
204	1920	1920	3	22	0.94	
204	1920	1920	3	23	0.16	
204	1920	1920	3	25	0.06	
204	1920	1920	3	26	0.37	
204	1920	1920	4	9	0.26	
204	1920	1920	4	10	0.03	
204	1920	1920	4	15	0.36	
204	1920	1920	4	16	0.06	
204	1921	1920	9	24	0.03	
204	1921	1920	10	6	0.04	
204	1921	1920	10	9	0.29	
204	1921	1920	10	18	0.15	
204	1921	1920	10	19	0.10	
204	1921	1920	11	7	1.15	
204	1921	1920	11	15	0.18	
204	1921	1920	12	7	0.45	
204	1921	1920	12	8	0.02	
204	1921	1920	12	10	0.25	
204	1921	1920	12	11	0.06	
204	1921	1920	12	19	0.41	
204	1921	1920	12	24	0.10	
204	1921	1921	1	17	0.07	
204	1921	1921	1	18	1.39	
204	1921	1921	1	19	0.12	
204	1921	1921	1	20	0.71	
204	1921	1921	1	21	0.06	
204	1921	1921	1	22	0.14	
204	1921	1921	1	26	0.12	
204	1921	1921	1	27	0.58	
204	1921	1921	1	30	0.58	
204	1921	1921	2	5	0.07	
204	1921	1921	2	14	0.94	
204	1921	1921	2	15	0.02	
204	1921	1921	2	17	0.70	
204	1921	1921	2	21	0.07	

station id	water year	year	month	day	daily rain	code
204	1921	1921	3	6	0.04	
204	1921	1921	3	11	0.07	
204	1921	1921	3	12	0.28	
204	1921	1921	3	13	0.43	
204	1921	1921	3	14	0.17	
204	1921	1921	3	22	0.07	
204	1921	1921	4	11	0.32	
204	1921	1921	4	13	0.02	
204	1921	1921	5	5	0.43	
204	1921	1921	5	6	0.28	
204	1921	1921	5	20	0.31	
204	1921	1921	5	21	0.31	
204	1921	1921	5	22	0.14	
204	1922	1921	9	1	0.16	
204	1922	1921	9	17	0.34	
204	1922	1921	9	18	0.34	
204	1922	1921	10	23	0.32	
204	1922	1921	12	18	0.34	
204	1922	1921	12	19	0.84	
204	1922	1921	12	20	1.40	
204	1922	1921	12	21	0.45	
204	1922	1921	12	22	1.15	
204	1922	1921	12	23	0.17	
204	1922	1921	12	24	0.20	
204	1922	1921	12	25	0.59	
204	1922	1921	12	26	0.21	
204	1922	1921	12	27	0.22	
204	1922	1921	12	28	0.16	
204	1922	1921	12	29	0.04	
204	1922	1922	1	1	0.45	
204	1922	1922	1	2	0.29	
204	1922	1922	1	3	0.06	
204	1922	1922	1	4	0.08	
204	1922	1922	1	6	0.32	
204	1922	1922	1	7	0.13	
204	1922	1922	1	29	1.38	
204	1922	1922	1	30	1.28	
204	1922	1922	1	31	0.36	
204	1922	1922	2	8	0.22	
204	1922	1922	2	9	0.74	
204	1922	1922	2	10	0.21	
204	1922	1922	2	11	0.26	
204	1922	1922	2	20	1.79	
204	1922	1922	2	21	0.04	
204	1922	1922	2	22	0.06	
204	1922	1922	2	24	0.05	
204	1922	1922	2	27	0.23	
204	1922	1922	3	11	0.98	
204	1922	1922	3	16	1.36	
204	1922	1922	3	17	0.04	
204	1922	1922	3	23	0.11	

station id	water year	year	month	day	daily rain	code
204	1922	1922	3	27	0.06	
204	1922	1922	3	31	0.03	
204	1922	1922	4	5	0.13	
204	1922	1922	4	12	0.13	
204	1922	1922	5	9	0.39	
204	1923	1922	10	27	0.52	
204	1923	1922	10	28	0.03	
204	1923	1922	11	6	0.02	
204	1923	1922	11	7	0.06	
204	1923	1922	11	8	0.10	
204	1923	1922	11	9	1.08	
204	1923	1922	12	1	0.33	
204	1923	1922	12	2	0.31	
204	1923	1922	12	3	0.12	
204	1923	1922	12	6	0.25	
204	1923	1922	12	7	0.09	
204	1923	1922	12	10	0.25	
204	1923	1922	12	12	0.99	
204	1923	1922	12	13	0.95	
204	1923	1922	12	14	0.24	
204	1923	1922	12	15	0.09	
204	1923	1922	12	17	0.11	
204	1923	1922	12	27	0.42	
204	1923	1923	2	1	0.13	
204	1923	1923	2	8	0.05	
204	1923	1923	2	9	0.13	
204	1923	1923	2	11	0.82	
204	1923	1923	2	12	0.13	
204	1923	1923	3	3	0.35	
204	1923	1923	4	1	0.35	
204	1923	1923	4	2	0.19	
204	1923	1923	4	3	0.07	
204	1923	1923	4	4	0.01	
204	1923	1923	4	5	0.72	
204	1923	1923	4	6	0.92	
204	1923	1923	4	10	0.58	
204	1923	1923	4	18	0.76	
204	1923	1923	6	15	0.05	
204	1924	1923	9	25	0.12	
204	1924	1923	9	26	0.03	
204	1924	1923	10	7	0.05	
204	1924	1923	11	8	0.13	
204	1924	1923	11	9	0.03	
204	1924	1923	11	30	0.02	
204	1924	1923	12	14	0.22	
204	1924	1923	12	19	0.03	
204	1924	1923	12	30	0.02	
204	1924	1923	12	31	0.09	
204	1924	1924	1	1	0.03	
204	1924	1924	1	27	0.47	
204	1924	1924	1	28	0.07	

station id	water year	year	month	day	daily rain	code
204	1924	1924	1	29	0.02	
204	1924	1924	2	8	0.03	
204	1924	1924	2	9	0.16	
204	1924	1924	3	2	0.68	
204	1924	1924	3	3	0.27	
204	1924	1924	3	4	0.05	
204	1924	1924	3	17	0.43	
204	1924	1924	3	19	0.01	
204	1924	1924	3	20	0.01	
204	1924	1924	3	23	0.35	
204	1924	1924	3	24	0.02	
204	1924	1924	3	26	1.28	
204	1924	1924	3	28	0.05	
204	1924	1924	4	1	0.30	
204	1924	1924	4	3	0.03	
204	1924	1924	4	4	0.02	
204	1924	1924	4	23	0.36	
204	1925	1924	10	6	0.38	
204	1925	1924	10	10	0.10	
204	1925	1924	10	16	0.04	
204	1925	1924	10	28	0.06	
204	1925	1924	10	29	0.24	
204	1925	1924	11	8	0.07	
204	1925	1924	11	9	0.56	
204	1925	1924	11	10	0.22	
204	1925	1924	12	6	0.62	
204	1925	1924	12	7	0.07	
204	1925	1924	12	8	0.30	
204	1925	1924	12	16	0.24	
204	1925	1924	12	17	0.10	
204	1925	1924	12	22	0.09	
204	1925	1924	12	30	0.01	
204	1925	1925	1	14	0.15	
204	1925	1925	1	25	0.48	
204	1925	1925	1	26	0.21	
204	1925	1925	2	6	0.22	
204	1925	1925	2	8	0.44	
204	1925	1925	2	12	0.54	
204	1925	1925	2	13	0.04	
204	1925	1925	2	19	0.05	
204	1925	1925	2	20	0.05	
204	1925	1925	2	23	0.41	
204	1925	1925	3	6	0.40	
204	1925	1925	3	7	0.41	
204	1925	1925	3	8	0.04	
204	1925	1925	3	9	0.03	
204	1925	1925	3	10	0.06	
204	1925	1925	3	26	0.06	
204	1925	1925	3	27	0.10	
204	1925	1925	3	29	1.34	
204	1925	1925	3	31	1.08	

station id	water year	year	month	day	daily rain	code
204	1925	1925	4	1	0.03	
204	1925	1925	4	3	0.56	
204	1925	1925	4	4	1.62	
204	1925	1925	4	5	0.26	
204	1925	1925	4	20	0.06	
204	1925	1925	4	22	0.10	
204	1925	1925	5	10	0.04	
204	1925	1925	5	13	0.41	
204	1925	1925	5	16	0.03	
204	1925	1925	5	20	0.73	
204	1925	1925	6	3	0.08	
204	1926	1925	10	12	0.81	
204	1926	1925	10	13	0.01	
204	1926	1925	11	3	0.10	
204	1926	1925	11	5	0.10	
204	1926	1925	11	24	0.05	
204	1926	1925	12	1	0.25	
204	1926	1925	12	3	0.51	
204	1926	1925	12	19	0.86	
204	1926	1925	12	29	0.03	
204	1926	1926	1	17	0.05	
204	1926	1926	1	29	0.86	
204	1926	1926	1	31	0.96	
204	1926	1926	2	1	0.20	
204	1926	1926	2	2	0.90	
204	1926	1926	2	3	0.02	
204	1926	1926	2	4	0.01	
204	1926	1926	2	11	0.06	
204	1926	1926	2	12	0.86	
204	1926	1926	2	13	0.73	
204	1926	1926	2	14	0.19	
204	1926	1926	2	15	0.10	
204	1926	1926	2	16	0.05	
204	1926	1926	3	3	0.04	
204	1926	1926	3	4	0.16	
204	1926	1926	3	5	0.08	
204	1926	1926	3	6	0.02	
204	1926	1926	3	18	0.02	
204	1926	1926	4	2	0.04	
204	1926	1926	4	4	0.07	
204	1926	1926	4	5	1.57	
204	1926	1926	4	6	0.38	
204	1926	1926	4	7	0.98	
204	1926	1926	4	8	0.84	
204	1926	1926	4	9	0.04	
204	1926	1926	4	19	0.05	
204	1926	1926	4	29	0.12	
204	1926	1926	5	3	0.03	
204	1927	1926	10	2	0.49	
204	1927	1926	11	12	0.06	
204	1927	1926	11	24	2.12	

station id	water year	year	month	day	daily rain	code
204	1927	1926	11	25	0.16	
204	1927	1926	11	26	2.05	
204	1927	1926	11	27	0.29	
204	1927	1926	12	3	0.40	
204	1927	1926	12	6	0.05	
204	1927	1926	12	18	0.02	
204	1927	1926	12	21	0.20	
204	1927	1926	12	22	0.02	
204	1927	1926	12	23	0.12	
204	1927	1927	1	6	0.38	
204	1927	1927	1	10	0.33	
204	1927	1927	1	11	0.53	
204	1927	1927	1	12	0.27	
204	1927	1927	1	19	0.05	
204	1927	1927	1	20	0.27	
204	1927	1927	1	26	0.08	
204	1927	1927	2	4	1.06	
204	1927	1927	2	13	0.47	
204	1927	1927	2	14	1.55	
204	1927	1927	2	15	0.86	
204	1927	1927	2	16	1.42	
204	1927	1927	2	17	0.02	
204	1927	1927	2	18	0.40	
204	1927	1927	2	21	0.02	
204	1927	1927	2	22	0.06	
204	1927	1927	2	24	0.16	
204	1927	1927	3	3	1.41	
204	1927	1927	3	4	0.20	
204	1927	1927	3	8	0.03	
204	1927	1927	3	9	0.16	
204	1927	1927	3	28	0.20	
204	1927	1927	3	29	0.07	
204	1927	1927	3	30	0.09	
204	1927	1927	4	3	0.27	
204	1927	1927	4	10	1.08	
204	1927	1927	4	16	0.08	
204	1927	1927	5	7	0.08	
204	1928	1927	10	25	0.08	
204	1928	1927	10	26	0.34	
204	1928	1927	10	27	1.70	
204	1928	1927	10	31	1.29	
204	1928	1927	11	5	0.04	
204	1928	1927	11	13	0.20	
204	1928	1927	11	21	0.03	
204	1928	1927	12	9	0.15	
204	1928	1927	12	10	0.41	
204	1928	1927	12	14	0.25	
204	1928	1927	12	21	0.32	
204	1928	1927	12	25	2.92	
204	1928	1927	12	26	0.11	
204	1928	1927	12	29	0.20	

station id	water year	year	month	day	daily rain	code
204	1928	1927	12	30	0.14	
204	1928	1928	1	22	0.06	
204	1928	1928	1	23	0.06	
204	1928	1928	2	1	0.12	
204	1928	1928	2	2	0.06	
204	1928	1928	2	3	1.29	
204	1928	1928	2	4	1.26	
204	1928	1928	2	5	0.26	
204	1928	1928	3	3	0.89	
204	1928	1928	3	5	0.01	
204	1928	1928	3	6	0.02	
204	1928	1928	3	23	0.20	
204	1928	1928	3	24	1.11	
204	1928	1928	3	25	0.09	
204	1928	1928	3	27	0.22	
204	1928	1928	4	3	0.19	
204	1928	1928	4	4	0.04	
204	1928	1928	5	7	0.01	
204	1928	1928	5	8	0.89	
204	1928	1928	5	9	0.02	
204	1929	1928	10	12	0.23	
204	1929	1928	11	3	0.14	
204	1929	1928	11	13	1.16	
204	1929	1928	11	14	1.37	
204	1929	1928	11	15	0.12	
204	1929	1928	12	2	0.14	
204	1929	1928	12	3	0.92	
204	1929	1928	12	10	0.37	
204	1929	1928	12	11	0.12	
204	1929	1928	12	12	0.26	
204	1929	1928	12	13	0.37	
204	1929	1929	1	16	0.57	
204	1929	1929	1	19	0.34	
204	1929	1929	1	20	0.79	
204	1929	1929	2	3	0.50	
204	1929	1929	2	4	0.13	
204	1929	1929	2	6	0.03	
204	1929	1929	2	7	0.01	
204	1929	1929	2	18	0.35	
204	1929	1929	3	9	0.04	
204	1929	1929	3	10	0.55	
204	1929	1929	3	11	0.07	
204	1929	1929	3	13	0.10	
204	1929	1929	3	18	0.03	
204	1929	1929	3	24	0.36	
204	1929	1929	3	25	0.01	
204	1929	1929	4	4	0.85	
204	1929	1929	4	5	0.12	
204	1929	1929	4	6	0.12	
204	1929	1929	4	9	0.04	
204	1929	1929	4	19	0.08	

station id	water year	year	month	day	daily rain	code
204	1929	1929	6	8	0.03	
204	1929	1929	6	16	0.07	
204	1930	1929	12	12	0.06	
204	1930	1929	12	13	0.03	
204	1930	1929	12	14	0.02	
204	1930	1930	1	5	0.60	
204	1930	1930	1	6	0.56	
204	1930	1930	1	9	0.95	
204	1930	1930	1	10	0.19	
204	1930	1930	1	11	0.68	
204	1930	1930	1	12	0.66	
204	1930	1930	1	13	0.16	
204	1930	1930	1	14	0.28	
204	1930	1930	1	15	0.04	
204	1930	1930	1	18	0.08	
204	1930	1930	1	19	0.02	
204	1930	1930	2	20	0.22	
204	1930	1930	2	22	0.80	
204	1930	1930	2	23	0.12	
204	1930	1930	2	26	0.17	
204	1930	1930	2	27	0.14	
204	1930	1930	3	3	0.03	
204	1930	1930	3	4	0.37	
204	1930	1930	3	5	0.09	
204	1930	1930	3	6	0.22	
204	1930	1930	3	14	1.49	
204	1930	1930	3	15	0.65	
204	1930	1930	3	16	0.11	
204	1930	1930	3	17	0.22	
204	1930	1930	3	18	0.11	
204	1930	1930	3	19	0.02	
204	1930	1930	4	13	0.27	
204	1930	1930	4	14	0.18	
204	1930	1930	4	30	0.14	
204	1930	1930	5	1	0.17	
204	1930	1930	5	3	0.45	
204	1930	1930	5	4	0.13	
204	1930	1930	5	5	0.03	
204	1930	1930	5	8	0.01	
204	1930	1930	5	16	0.10	
204	1931	1930	9	30	0.29	
204	1931	1930	11	13	0.14	
204	1931	1930	11	15	0.09	
204	1931	1930	11	16	0.17	
204	1931	1930	11	17	0.30	
204	1931	1930	11	26	0.75	
204	1931	1930	11	27	0.19	
204	1931	1931	1	1	0.38	
204	1931	1931	1	2	0.73	
204	1931	1931	1	5	0.75	
204	1931	1931	1	6	0.04	

station id	water year	year	month	day	daily rain	code
204	1931	1931	1	7	0.72	
204	1931	1931	1	8	0.31	
204	1931	1931	1	13	0.45	
204	1931	1931	1	31	0.54	
204	1931	1931	2	3	0.71	
204	1931	1931	2	4	0.46	
204	1931	1931	2	8	0.10	
204	1931	1931	2	10	0.12	
204	1931	1931	2	12	0.36	
204	1931	1931	2	13	0.11	
204	1931	1931	2	14	0.04	
204	1931	1931	2	18	0.02	
204	1931	1931	3	11	0.12	
204	1931	1931	4	23	0.12	
204	1931	1931	4	26	0.39	
204	1931	1931	4	27	0.12	
204	1931	1931	4	28	0.02	
204	1931	1931	5	24	0.98	
204	1931	1931	5	25	0.12	
204	1931	1931	8	13	0.14	
204	1932	1931	11	15	0.78	
204	1932	1931	11	17	0.02	
204	1932	1931	11	27	1.92	
204	1932	1931	12	8	0.90	
204	1932	1931	12	11	0.35	
204	1932	1931	12	12	0.06	
204	1932	1931	12	14	1.02	
204	1932	1931	12	21	0.43	
204	1932	1931	12	22	0.03	
204	1932	1931	12	23	0.02	
204	1932	1931	12	24	0.44	
204	1932	1931	12	25	1.37	
204	1932	1931	12	27	0.41	
204	1932	1931	12	28	1.98	
204	1932	1931	12	31	0.29	
204	1932	1932	1	2	0.31	
204	1932	1932	1	12	0.14	
204	1932	1932	1	13	0.28	
204	1932	1932	1	15	1.45	
204	1932	1932	1	16	0.02	
204	1932	1932	1	26	0.07	
204	1932	1932	1	31	0.83	
204	1932	1932	2	1	0.33	
204	1932	1932	2	2	0.35	
204	1932	1932	2	6	0.15	
204	1932	1932	2	8	1.41	
204	1932	1932	2	9	0.72	
204	1932	1932	2	13	0.13	
204	1932	1932	2	14	0.06	
204	1932	1932	2	16	0.29	
204	1932	1932	2	17	0.07	

station id	water year	year	month	day	daily rain	code
204	1932	1932	3	14	0.06	
204	1932	1932	3	15	0.12	
204	1932	1932	4	26	0.59	
204	1932	1932	4	27	0.17	
204	1932	1932	5	5	0.12	
204	1933	1932	9	30	0.17	
204	1933	1932	10	1	0.04	
204	1933	1932	11	1	0.01	
204	1933	1932	12	9	0.08	
204	1933	1932	12	10	0.22	
204	1933	1932	12	11	0.34	
204	1933	1932	12	12	0.12	
204	1933	1932	12	19	0.22	
204	1933	1932	12	20	0.02	
204	1933	1932	12	22	0.03	
204	1933	1932	12	23	0.35	
204	1933	1933	1	16	0.61	
204	1933	1933	1	17	0.18	
204	1933	1933	1	19	2.12	
204	1933	1933	1	20	0.69	
204	1933	1933	1	22	0.59	
204	1933	1933	1	23	0.54	
204	1933	1933	1	24	0.02	
204	1933	1933	1	25	0.66	
204	1933	1933	1	26	0.10	
204	1933	1933	1	28	0.33	
204	1933	1933	1	29	0.42	
204	1933	1933	1	30	0.69	
204	1933	1933	2	12	0.15	
204	1933	1933	2	13	0.15	
204	1933	1933	3	13	0.07	
204	1933	1933	3	17	0.25	
204	1933	1933	3	24	0.23	
204	1933	1933	4	28	0.66	
204	1933	1933	5	2	0.13	
204	1933	1933	5	21	0.15	
204	1933	1933	6	5	1.26	
204	1934	1933	10	31	0.27	
204	1934	1933	11	29	0.02	
204	1934	1933	12	3	0.13	
204	1934	1933	12	4	0.03	
204	1934	1933	12	12	0.17	
204	1934	1933	12	13	1.45	
204	1934	1933	12	14	0.25	
204	1934	1933	12	15	0.27	
204	1934	1933	12	16	0.07	
204	1934	1933	12	30	0.48	
204	1934	1933	12	31	0.18	
204	1934	1934	1	1	1.53	
204	1934	1934	1	2	0.10	
204	1934	1934	2	5	0.02	

station id	water year	year	month	day	daily rain	code
204	1934	1934	2	6	0.03	
204	1934	1934	2	15	0.49	
204	1934	1934	2	16	0.25	
204	1934	1934	2	20	0.36	
204	1934	1934	2	23	0.43	
204	1934	1934	2	24	1.23	
204	1934	1934	2	26	0.13	
204	1934	1934	2	27	0.10	
204	1934	1934	5	26	0.34	
204	1934	1934	6	5	0.40	
204	1934	1934	6	6	0.13	
204	1935	1934	10	17	0.66	
204	1935	1934	10	18	0.76	
204	1935	1934	11	1	0.21	
204	1935	1934	11	15	0.37	
204	1935	1934	11	16	0.38	
204	1935	1934	11	17	0.40	
204	1935	1934	11	18	1.64	
204	1935	1934	12	8	0.05	
204	1935	1934	12	9	0.07	
204	1935	1934	12	12	0.09	
204	1935	1934	12	13	1.03	
204	1935	1934	12	28	0.41	
204	1935	1934	12	31	0.05	
204	1935	1935	1	4	0.27	
204	1935	1935	1	5	0.99	
204	1935	1935	1	6	0.05	
204	1935	1935	1	9	1.03	
204	1935	1935	1	10	0.28	
204	1935	1935	1	11	0.15	
204	1935	1935	1	15	0.98	
204	1935	1935	1	16	0.03	
204	1935	1935	1	17	0.04	
204	1935	1935	1	18	0.06	
204	1935	1935	1	19	0.30	
204	1935	1935	2	4	0.69	
204	1935	1935	2	5	0.45	
204	1935	1935	2	6	0.31	
204	1935	1935	2	7	0.05	
204	1935	1935	2	8	0.05	
204	1935	1935	2	14	0.11	
204	1935	1935	3	2	0.41	
204	1935	1935	3	3	0.56	
204	1935	1935	3	4	0.09	
204	1935	1935	3	7	0.89	
204	1935	1935	3	8	0.32	
204	1935	1935	3	9	0.05	
204	1935	1935	3	19	0.06	
204	1935	1935	3	23	0.05	
204	1935	1935	3	24	0.94	
204	1935	1935	4	3	0.10	

station id	water year	year	month	day	daily rain	code
204	1935	1935	4	4	0.57	
204	1935	1935	4	7	0.29	
204	1935	1935	4	8	0.93	
204	1935	1935	4	9	0.17	
204	1935	1935	4	14	0.06	
204	1935	1935	4	15	0.07	
204	1935	1935	4	16	0.13	
204	1935	1935	4	29	0.22	
204	1935	1935	4	30	0.04	
204	1935	1935	5	1	0.17	
204	1935	1935	8	26	0.15	
204	1936	1935	10	1	0.04	
204	1936	1935	10	11	0.07	
204	1936	1935	10	15	0.45	
204	1936	1935	11	2	0.29	
204	1936	1935	11	17	0.88	
204	1936	1935	11	18	0.04	
204	1936	1935	12	3	0.74	
204	1936	1935	12	12	0.14	
204	1936	1935	12	27	0.02	
204	1936	1935	12	29	0.69	
204	1936	1935	12	30	0.07	
204	1936	1936	1	10	0.11	
204	1936	1936	1	11	0.25	
204	1936	1936	1	12	0.15	
204	1936	1936	1	28	0.04	
204	1936	1936	2	1	0.44	
204	1936	1936	2	2	1.47	
204	1936	1936	2	11	0.29	
204	1936	1936	2	12	0.25	
204	1936	1936	2	13	0.90	
204	1936	1936	2	14	0.26	
204	1936	1936	2	15	0.99	
204	1936	1936	2	16	0.76	
204	1936	1936	2	18	0.48	
204	1936	1936	2	19	0.05	
204	1936	1936	2	20	0.04	
204	1936	1936	2	23	0.97	
204	1936	1936	2	24	0.30	
204	1936	1936	3	21	0.09	
204	1936	1936	3	24	0.57	
204	1936	1936	3	31	0.70	
204	1936	1936	4	3	0.22	
204	1936	1936	4	4	0.39	
204	1936	1936	5	29	0.08	
204	1936	1936	6	2	0.05	
204	1936	1936	8	9	0.02	
204	1936	1936	8	10	0.17	
204	1937	1936	9	3	0.03	
204	1937	1936	9	4	0.04	
204	1937	1936	10	17	0.86	

station id	water year	year	month	day	daily rain	code
204	1937	1936	10	18	0.94	
204	1937	1936	10	19	0.38	
204	1937	1936	10	31	0.55	
204	1937	1936	12	15	0.43	
204	1937	1936	12	16	0.08	
204	1937	1936	12	17	0.03	
204	1937	1936	12	24	0.34	
204	1937	1936	12	27	1.58	
204	1937	1936	12	28	0.44	
204	1937	1936	12	29	0.25	
204	1937	1936	12	30	0.13	
204	1937	1936	12	31	1.15	
204	1937	1937	1	1	0.19	
204	1937	1937	1	6	0.63	
204	1937	1937	1	7	0.04	
204	1937	1937	1	12	0.80	
204	1937	1937	1	13	0.39	
204	1937	1937	1	16	0.14	
204	1937	1937	1	19	0.04	
204	1937	1937	1	28	0.05	
204	1937	1937	1	29	0.29	
204	1937	1937	1	30	0.35	
204	1937	1937	1	31	0.74	
204	1937	1937	2	2	0.14	
204	1937	1937	2	5	0.54	
204	1937	1937	2	6	1.12	
204	1937	1937	2	7	0.92	
204	1937	1937	2	12	0.28	
204	1937	1937	2	13	0.02	
204	1937	1937	2	14	1.46	
204	1937	1937	2	15	0.07	
204	1937	1937	2	25	0.69	
204	1937	1937	2	26	0.10	
204	1937	1937	3	12	0.65	
204	1937	1937	3	13	0.93	
204	1937	1937	3	15	0.34	
204	1937	1937	3	18	0.28	
204	1937	1937	3	22	1.37	
204	1937	1937	3	23	0.24	
204	1937	1937	3	24	0.14	
204	1937	1937	3	25	0.73	
204	1937	1937	3	28	0.14	
204	1937	1937	4	6	0.07	
204	1937	1937	4	27	0.16	
204	1937	1937	4	28	0.02	
204	1938	1937	10	13	0.06	
204	1938	1937	12	10	0.35	
204	1938	1937	12	11	0.21	
204	1938	1937	12	12	1.39	
204	1938	1937	12	23	0.07	
204	1938	1937	12	26	0.16	

station id	water year	year	month	day	daily rain	code
204	1938	1938	1	15	1.52	
204	1938	1938	1	17	0.05	
204	1938	1938	1	18	0.04	
204	1938	1938	1	19	0.37	
204	1938	1938	1	20	0.09	
204	1938	1938	1	29	0.49	
204	1938	1938	2	1	1.78	
204	1938	1938	2	2	0.10	
204	1938	1938	2	3	0.95	
204	1938	1938	2	4	0.35	
204	1938	1938	2	5	0.06	
204	1938	1938	2	9	0.22	
204	1938	1938	2	10	0.21	
204	1938	1938	2	11	2.15	
204	1938	1938	2	12	1.13	
204	1938	1938	2	14	0.27	
204	1938	1938	2	15	0.06	
204	1938	1938	2	18	0.03	
204	1938	1938	2	19	0.19	
204	1938	1938	2	28	0.17	
204	1938	1938	3	1	1.18	
204	1938	1938	3	2	0.52	
204	1938	1938	3	3	1.98	
204	1938	1938	3	4	0.13	
204	1938	1938	3	6	0.05	
204	1938	1938	3	7	0.27	
204	1938	1938	3	8	0.26	
204	1938	1938	3	12	0.79	
204	1938	1938	3	13	0.44	
204	1938	1938	3	14	0.06	
204	1938	1938	3	17	0.05	
204	1938	1938	3	24	0.06	
204	1938	1938	4	5	0.07	
204	1938	1938	4	13	0.14	
204	1938	1938	4	25	0.80	
204	1938	1938	4	26	0.07	
204	1938	1938	4	29	0.10	
204	1938	1938	4	30	0.25	
204	1938	1938	5	1	0.02	
204	1939	1938	9	27	0.56	
204	1939	1938	9	28	0.33	
204	1939	1938	10	13	0.02	
204	1939	1938	10	15	0.03	
204	1939	1938	10	31	0.11	
204	1939	1938	11	30	0.13	
204	1939	1938	12	14	0.05	
204	1939	1938	12	15	0.33	
204	1939	1938	12	16	0.94	
204	1939	1938	12	18	0.08	
204	1939	1938	12	19	0.15	
204	1939	1938	12	20	1.12	

station id	water year	year	month	day	daily rain	code
204	1939	1938	12	21	0.87	
204	1939	1939	1	3	0.11	
204	1939	1939	1	5	0.76	
204	1939	1939	1	6	0.39	
204	1939	1939	1	21	0.76	
204	1939	1939	1	22	0.18	
204	1939	1939	1	28	0.03	
204	1939	1939	1	30	0.82	
204	1939	1939	2	1	0.16	
204	1939	1939	2	3	0.52	
204	1939	1939	2	4	0.49	
204	1939	1939	2	7	0.06	
204	1939	1939	2	8	0.22	
204	1939	1939	2	9	0.20	
204	1939	1939	2	10	0.31	
204	1939	1939	3	9	0.35	
204	1939	1939	3	10	1.47	
204	1939	1939	3	20	0.07	
204	1939	1939	3	26	0.63	
204	1939	1939	3	27	0.32	
204	1939	1939	4	1	0.07	
204	1939	1939	4	13	0.03	
204	1939	1939	5	11	0.05	
204	1940	1939	9	25	1.85	
204	1940	1939	9	26	0.10	
204	1940	1939	10	1	0.06	
204	1940	1939	10	7	0.50	
204	1940	1939	11	26	1.05	
204	1940	1939	12	11	0.48	
204	1940	1939	12	24	0.97	
204	1940	1940	1	2	0.25	
204	1940	1940	1	3	0.12	
204	1940	1940	1	4	0.35	
204	1940	1940	1	6	0.15	
204	1940	1940	1	7	0.10	
204	1940	1940	1	8	0.44	
204	1940	1940	1	9	0.22	
204	1940	1940	1	10	0.41	
204	1940	1940	1	11	1.49	
204	1940	1940	1	12	0.35	
204	1940	1940	1	23	0.20	
204	1940	1940	1	24	0.66	
204	1940	1940	1	26	0.03	
204	1940	1940	2	1	0.10	
204	1940	1940	2	2	0.18	
204	1940	1940	2	3	0.10	
204	1940	1940	2	4	0.73	
204	1940	1940	2	7	0.09	
204	1940	1940	2	14	0.54	
204	1940	1940	2	15	0.17	
204	1940	1940	2	18	0.03	

station id	water year	year	month	day	daily rain	code
204	1940	1940	2	26	0.56	
204	1940	1940	2	29	0.25	
204	1940	1940	3	27	0.16	
204	1940	1940	3	30	0.03	
204	1940	1940	3	31	0.87	
204	1940	1940	4	1	0.81	
204	1940	1940	4	26	0.41	
204	1940	1940	4	27	0.71	
204	1941	1940	10	8	0.03	
204	1941	1940	10	25	0.40	
204	1941	1940	10	26	0.03	
204	1941	1940	11	18	0.10	
204	1941	1940	12	16	0.64	
204	1941	1940	12	17	0.97	
204	1941	1940	12	18	0.09	
204	1941	1940	12	19	0.29	
204	1941	1940	12	22	0.95	
204	1941	1940	12	23	1.90	
204	1941	1940	12	24	0.25	
204	1941	1940	12	25	0.39	
204	1941	1940	12	27	0.17	
204	1941	1940	12	29	0.25	
204	1941	1940	12	30	0.10	
204	1941	1940	12	31	0.04	
204	1941	1941	1	4	0.10	
204	1941	1941	1	5	0.19	
204	1941	1941	1	7	0.68	
204	1941	1941	1	8	0.53	
204	1941	1941	1	9	2.10	
204	1941	1941	1	10	0.21	
204	1941	1941	1	11	0.03	
204	1941	1941	1	14	0.28	
204	1941	1941	1	16	0.03	
204	1941	1941	1	20	0.33	
204	1941	1941	1	22	0.81	
204	1941	1941	1	23	0.03	
204	1941	1941	1	24	0.57	
204	1941	1941	1	26	0.55	
204	1941	1941	2	6	1.10	
204	1941	1941	2	8	0.55	
204	1941	1941	2	9	0.03	
204	1941	1941	2	10	0.45	
204	1941	1941	2	11	0.72	
204	1941	1941	2	12	0.60	
204	1941	1941	2	15	0.92	
204	1941	1941	2	16	0.06	
204	1941	1941	2	17	2.12	
204	1941	1941	2	18	0.03	
204	1941	1941	2	20	0.12	
204	1941	1941	2	21	0.28	
204	1941	1941	2	22	0.60	

station id	water year	year	month	day	daily rain	code
204	1941	1941	2	24	0.52	
204	1941	1941	2	25	0.05	
204	1941	1941	3	1	1.79	
204	1941	1941	3	2	0.38	
204	1941	1941	3	3	0.12	
204	1941	1941	3	4	1.56	
204	1941	1941	3	5	0.63	
204	1941	1941	3	12	0.32	
204	1941	1941	3	13	2.21	
204	1941	1941	3	14	0.35	
204	1941	1941	3	15	0.17	
204	1941	1941	3	29	1.66	
204	1941	1941	3	31	0.94	
204	1941	1941	4	1	0.81	
204	1941	1941	4	2	0.32	
204	1941	1941	4	5	0.92	
204	1941	1941	4	10	0.11	
204	1941	1941	4	11	1.12	
204	1941	1941	4	30	0.55	
204	1941	1941	5	12	0.06	
204	1941	1941	7	26	0.05	
204	1941	1941	8	15	0.03	
204	1942	1941	10	20	0.19	
204	1942	1941	10	22	0.36	
204	1942	1941	10	27	0.50	
204	1942	1941	11	30	0.32	
204	1942	1941	12	3	0.61	
204	1942	1941	12	4	0.22	
204	1942	1941	12	9	0.03	
204	1942	1941	12	10	0.08	
204	1942	1941	12	11	0.75	
204	1942	1941	12	13	0.05	
204	1942	1941	12	15	0.37	
204	1942	1941	12	17	0.15	
204	1942	1941	12	21	0.04	
204	1942	1941	12	26	0.31	
204	1942	1941	12	27	0.02	
204	1942	1941	12	28	3.87	
204	1942	1941	12	29	0.55	
204	1942	1941	12	30	0.35	
204	1942	1941	12	31	0.51	
204	1942	1942	1	1	0.51	
204	1942	1942	1	22	0.74	
204	1942	1942	1	23	0.02	
204	1942	1942	1	25	0.27	
204	1942	1942	1	26	0.07	
204	1942	1942	1	28	0.24	
204	1942	1942	1	29	0.01	
204	1942	1942	2	3	0.10	
204	1942	1942	2	7	0.03	
204	1942	1942	2	22	0.55	

station id	water year	year	month	day	daily rain	code
204	1942	1942	2	24	0.02	
204	1942	1942	3	11	0.50	
204	1942	1942	3	12	0.03	
204	1942	1942	3	15	1.42	
204	1942	1942	4	4	0.35	
204	1942	1942	4	5	0.05	
204	1942	1942	4	6	0.55	
204	1942	1942	4	10	0.08	
204	1942	1942	4	11	0.06	
204	1942	1942	4	13	0.03	
204	1942	1942	4	14	0.54	
204	1942	1942	4	17	0.48	
204	1942	1942	4	21	0.06	
204	1942	1942	4	22	1.35	
204	1942	1942	4	28	0.08	
204	1942	1942	5	1	0.07	
204	1942	1942	5	11	0.06	
204	1942	1942	5	26	0.10	
204	1942	1942	8	10	0.07	
204	1943	1942	10	28	0.11	
204	1943	1942	10	29	0.69	
204	1943	1942	11	4	0.01	
204	1943	1942	11	15	0.11	
204	1943	1942	11	18	0.04	
204	1943	1942	11	19	0.48	
204	1943	1942	11	20	0.08	
204	1943	1942	12	7	0.02	
204	1943	1942	12	24	1.53	
204	1943	1942	12	25	0.38	
204	1943	1943	1	21	0.30	
204	1943	1943	1	22	2.83	
204	1943	1943	1	23	2.14	
204	1943	1943	1	24	0.23	
204	1943	1943	1	25	0.10	
204	1943	1943	1	26	0.30	
204	1943	1943	1	27	0.50	
204	1943	1943	1	30	0.12	
204	1943	1943	1	31	0.31	
204	1943	1943	2	8	0.09	
204	1943	1943	2	9	0.15	
204	1943	1943	2	17	0.12	
204	1943	1943	2	21	0.35	
204	1943	1943	2	22	0.97	
204	1943	1943	2	23	0.25	
204	1943	1943	2	24	0.25	
204	1943	1943	3	3	0.14	
204	1943	1943	3	4	0.95	
204	1943	1943	3	5	0.45	
204	1943	1943	3	6	0.03	
204	1943	1943	3	7	0.05	
204	1943	1943	3	8	0.15	

station id	water year	year	month	day	daily rain	code
204	1943	1943	3	9	0.35	
204	1943	1943	3	10	0.24	
204	1943	1943	3	11	0.07	
204	1943	1943	3	18	0.30	
204	1943	1943	3	30	0.11	
204	1943	1943	4	6	0.87	
204	1943	1943	4	8	0.12	
204	1943	1943	4	15	0.01	
204	1944	1943	10	19	0.37	
204	1944	1943	10	20	0.07	
204	1944	1943	10	21	0.03	
204	1944	1943	10	27	0.37	
204	1944	1943	10	28	0.09	
204	1944	1943	11	18	0.04	
204	1944	1943	11	20	0.13	
204	1944	1943	12	6	0.74	
204	1944	1943	12	10	0.09	
204	1944	1943	12	11	0.93	
204	1944	1943	12	12	0.03	
204	1944	1943	12	18	0.02	
204	1944	1943	12	20	0.06	
204	1944	1943	12	21	0.58	
204	1944	1943	12	28	0.58	
204	1944	1943	12	29	0.87	
204	1944	1943	12	30	0.32	
204	1944	1944	1	2	0.10	
204	1944	1944	1	3	0.22	
204	1944	1944	1	4	0.04	
204	1944	1944	1	6	0.22	
204	1944	1944	1	24	0.55	
204	1944	1944	1	25	0.03	
204	1944	1944	1	27	0.03	
204	1944	1944	1	30	0.74	
204	1944	1944	2	3	0.13	
204	1944	1944	2	4	1.02	
204	1944	1944	2	9	0.43	
204	1944	1944	2	15	0.15	
204	1944	1944	2	17	0.03	
204	1944	1944	2	20	1.57	
204	1944	1944	2	21	0.91	
204	1944	1944	2	22	2.13	
204	1944	1944	2	23	0.33	
204	1944	1944	2	24	0.12	
204	1944	1944	2	26	0.09	
204	1944	1944	2	27	0.25	
204	1944	1944	2	29	0.20	
204	1944	1944	3	1	0.23	
204	1944	1944	3	2	0.29	
204	1944	1944	3	4	0.14	
204	1944	1944	3	5	0.35	
204	1944	1944	3	14	0.03	

station id	water year	year	month	day	daily rain	code
204	1944	1944	4	9	0.03	
204	1944	1944	4	12	0.05	
204	1944	1944	4	27	1.51	
204	1944	1944	4	28	0.06	
204	1944	1944	5	15	0.04	
204	1944	1944	5	18	0.02	
204	1945	1944	11	1	0.17	
204	1945	1944	11	5	0.28	
204	1945	1944	11	10	0.28	
204	1945	1944	11	11	0.74	
204	1945	1944	11	12	0.77	
204	1945	1944	11	13	0.10	
204	1945	1944	11	14	0.48	
204	1945	1944	11	15	0.35	
204	1945	1944	12	2	0.25	
204	1945	1944	12	22	0.22	
204	1945	1944	12	23	0.50	
204	1945	1944	12	28	0.28	
204	1945	1944	12	29	0.30	
204	1945	1945	1	31	0.10	
204	1945	1945	2	1	1.25	
204	1945	1945	2	2	1.75	
204	1945	1945	2	3	0.69	
204	1945	1945	2	4	0.05	
204	1945	1945	2	5	0.02	
204	1945	1945	2	15	0.04	
204	1945	1945	2	28	0.15	
204	1945	1945	3	2	0.31	
204	1945	1945	3	4	0.25	
204	1945	1945	3	15	0.42	
204	1945	1945	3	17	0.95	
204	1945	1945	3	21	0.14	
204	1945	1945	3	22	0.02	
204	1945	1945	3	23	0.69	
204	1945	1945	3	26	0.45	
204	1945	1945	3	27	0.03	
204	1945	1945	4	9	0.09	
204	1945	1945	5	13	0.02	
204	1945	1945	6	4	0.02	
204	1945	1945	8	2	0.09	
204	1946	1945	10	15	0.02	
204	1946	1945	10	30	0.44	
204	1946	1945	10	31	0.06	
204	1946	1945	11	6	0.09	
204	1946	1945	11	7	0.10	
204	1946	1945	11	11	0.14	
204	1946	1945	11	15	0.04	
204	1946	1945	11	25	0.22	
204	1946	1945	11	29	0.31	
204	1946	1945	12	5	0.41	
204	1946	1945	12	6	0.33	

station id	water year	year	month	day	daily rain	code
204	1946	1945	12	22	2.02	
204	1946	1945	12	23	0.70	
204	1946	1945	12	25	0.40	
204	1946	1945	12	26	0.02	
204	1946	1946	1	3	0.33	
204	1946	1946	1	5	0.31	
204	1946	1946	2	3	0.85	
204	1946	1946	2	4	0.30	
204	1946	1946	2	11	0.07	
204	1946	1946	2	16	0.15	
204	1946	1946	2	20	0.03	
204	1946	1946	3	13	0.06	
204	1946	1946	3	14	0.12	
204	1946	1946	3	19	0.92	
204	1946	1946	3	20	0.31	
204	1946	1946	3	28	0.32	
204	1946	1946	3	29	0.63	
204	1946	1946	3	30	2.14	
204	1946	1946	3	31	0.27	
204	1946	1946	4	1	1.18	
204	1946	1946	4	7	0.01	
204	1946	1946	5	22	0.03	
204	1946	1946	5	26	0.05	
204	1946	1946	5	27	0.03	
204	1947	1946	10	1	0.08	
204	1947	1946	10	16	0.22	
204	1947	1946	11	8	0.04	
204	1947	1946	11	12	0.70	
204	1947	1946	11	13	1.20	
204	1947	1946	11	14	0.47	
204	1947	1946	11	20	1.73	
204	1947	1946	11	21	0.12	
204	1947	1946	11	23	0.54	
204	1947	1946	11	24	0.04	
204	1947	1946	12	5	0.14	
204	1947	1946	12	6	0.08	
204	1947	1946	12	7	0.15	
204	1947	1946	12	24	0.05	
204	1947	1946	12	25	0.23	
204	1947	1946	12	26	0.34	
204	1947	1946	12	27	0.29	
204	1947	1946	12	28	0.05	
204	1947	1947	1	13	0.01	
204	1947	1947	1	28	0.42	
204	1947	1947	1	29	0.10	
204	1947	1947	2	9	0.13	
204	1947	1947	2	10	0.46	
204	1947	1947	2	12	0.02	
204	1947	1947	2	13	0.02	
204	1947	1947	2	17	0.07	
204	1947	1947	3	2	0.05	

station id	water year	year	month	day	daily rain	code
204	1947	1947	3	4	0.35	
204	1947	1947	3	20	0.05	
204	1947	1947	3	21	0.02	
204	1947	1947	3	28	0.39	
204	1947	1947	3	29	0.01	
204	1947	1947	3	30	0.04	
204	1947	1947	4	3	0.04	
204	1947	1947	4	4	0.05	
204	1947	1947	4	25	0.03	
204	1947	1947	5	27	0.11	
204	1947	1947	6	7	0.03	
204	1947	1947	8	9	0.05	
204	1948	1947	10	11	0.14	
204	1948	1947	10	17	0.08	
204	1948	1947	10	29	0.02	
204	1948	1947	10	30	0.10	
204	1948	1947	11	2	0.01	
204	1948	1947	12	4	0.04	
204	1948	1947	12	5	0.14	
204	1948	1947	12	6	0.02	
204	1948	1947	12	18	0.03	
204	1948	1947	12	21	0.33	
204	1948	1948	1	3	0.01	
204	1948	1948	2	2	0.02	
204	1948	1948	2	5	0.70	
204	1948	1948	2	6	0.29	
204	1948	1948	2	7	0.14	
204	1948	1948	2	28	0.20	
204	1948	1948	2	29	0.01	
204	1948	1948	3	9	0.11	
204	1948	1948	3	14	1.10	
204	1948	1948	3	15	0.22	
204	1948	1948	3	17	0.62	
204	1948	1948	3	19	0.05	
204	1948	1948	3	20	0.04	
204	1948	1948	3	24	0.71	
204	1948	1948	3	25	0.34	
204	1948	1948	3	29	0.07	
204	1948	1948	4	3	0.36	
204	1948	1948	4	4	0.02	
204	1948	1948	4	6	0.04	
204	1948	1948	4	9	0.15	
204	1948	1948	4	10	0.26	
204	1948	1948	4	11	0.06	
204	1948	1948	4	22	0.05	
204	1948	1948	4	29	0.78	
204	1948	1948	5	19	0.05	
204	1948	1948	5	30	0.20	
204	1948	1948	5	31	0.51	
204	1948	1948	6	4	0.06	
204	1949	1948	10	12	0.15	

station id	water year	year	month	day	daily rain	code
204	1949	1948	12	4	0.25	
204	1949	1948	12	6	0.05	
204	1949	1948	12	14	0.09	
204	1949	1948	12	15	0.09	
204	1949	1948	12	17	1.41	
204	1949	1948	12	18	0.05	
204	1949	1948	12	23	0.05	
204	1949	1948	12	25	0.03	
204	1949	1948	12	26	0.39	
204	1949	1948	12	27	1.05	
204	1949	1948	12	28	0.12	
204	1949	1949	1	1	0.02	
204	1949	1949	1	2	0.11	
204	1949	1949	1	12	0.24	
204	1949	1949	1	19	0.02	
204	1949	1949	1	20	0.34	
204	1949	1949	1	22	0.19	
204	1949	1949	1	23	0.34	
204	1949	1949	1	24	0.02	
204	1949	1949	2	3	0.12	
204	1949	1949	2	5	0.14	
204	1949	1949	2	7	0.37	
204	1949	1949	2	8	0.01	
204	1949	1949	2	12	0.21	
204	1949	1949	2	24	0.22	
204	1949	1949	2	25	0.25	
204	1949	1949	2	26	0.08	
204	1949	1949	2	27	0.21	
204	1949	1949	3	2	0.21	
204	1949	1949	3	3	0.07	
204	1949	1949	3	4	1.19	
204	1949	1949	3	5	0.52	
204	1949	1949	3	6	0.06	
204	1949	1949	3	8	0.06	
204	1949	1949	3	10	0.11	
204	1949	1949	3	11	0.52	
204	1949	1949	3	12	0.20	
204	1949	1949	3	16	0.05	
204	1949	1949	3	20	0.71	
204	1949	1949	3	23	0.34	
204	1949	1949	3	24	0.08	
204	1949	1949	4	17	0.24	
204	1949	1949	5	18	0.16	
204	1949	1949	5	19	0.56	
204	1949	1949	5	20	0.03	
204	1950	1949	10	19	0.02	
204	1950	1949	11	8	0.13	
204	1950	1949	11	10	1.50	
204	1950	1949	12	8	2.33	
204	1950	1949	12	9	0.11	
204	1950	1949	12	15	0.43	

station id	water year	year	month	day	daily rain	code
204	1950	1949	12	18	0.21	
204	1950	1949	12	19	0.55	
204	1950	1950	1	2	0.06	
204	1950	1950	1	8	0.10	
204	1950	1950	1	9	0.66	
204	1950	1950	1	11	0.48	
204	1950	1950	1	12	0.15	
204	1950	1950	1	14	0.20	
204	1950	1950	1	15	0.26	
204	1950	1950	1	17	0.15	
204	1950	1950	1	24	0.02	
204	1950	1950	1	28	0.19	
204	1950	1950	1	29	0.25	
204	1950	1950	2	5	0.22	
204	1950	1950	2	6	0.99	
204	1950	1950	2	10	0.23	
204	1950	1950	2	11	0.02	
204	1950	1950	3	2	0.10	
204	1950	1950	3	25	1.39	
204	1950	1950	3	26	0.02	
204	1950	1950	4	8	0.62	
204	1950	1950	5	3	0.15	
204	1950	1950	7	10	0.90	
204	1951	1950	10	27	0.77	
204	1951	1950	10	31	0.09	
204	1951	1950	11	13	0.09	
204	1951	1950	11	14	0.30	
204	1951	1950	11	15	0.05	
204	1951	1950	11	17	0.06	
204	1951	1950	11	18	0.52	
204	1951	1950	11	19	0.25	
204	1951	1950	11	20	0.56	
204	1951	1950	12	1	0.06	
204	1951	1950	12	4	0.40	
204	1951	1950	12	7	0.02	
204	1951	1950	12	14	0.04	
204	1951	1950	12	15	0.13	
204	1951	1950	12	26	0.03	
204	1951	1951	1	5	0.19	
204	1951	1951	1	10	0.50	
204	1951	1951	1	11	0.02	
204	1951	1951	1	12	0.41	
204	1951	1951	1	16	0.16	
204	1951	1951	1	18	0.05	
204	1951	1951	1	19	0.34	
204	1951	1951	1	29	0.42	
204	1951	1951	2	5	0.02	
204	1951	1951	2	12	0.09	
204	1951	1951	2	23	0.10	
204	1951	1951	2	25	0.20	
204	1951	1951	2	27	1.20	

station id	water year	year	month	day	daily rain	code
204	1951	1951	3	1	1.14	
204	1951	1951	3	2	0.17	
204	1951	1951	3	5	0.05	
204	1951	1951	3	6	0.06	
204	1951	1951	4	4	0.10	
204	1951	1951	4	19	0.19	
204	1951	1951	4	25	0.65	
204	1951	1951	4	26	0.01	
204	1951	1951	4	28	0.74	
204	1951	1951	5	4	0.02	
204	1952	1951	10	25	0.59	
204	1952	1951	10	26	0.21	
204	1952	1951	11	20	0.95	
204	1952	1951	11	21	0.24	
204	1952	1951	11	22	0.02	
204	1952	1951	12	1	0.05	
204	1952	1951	12	2	0.54	
204	1952	1951	12	4	0.70	
204	1952	1951	12	5	0.83	
204	1952	1951	12	12	0.29	
204	1952	1951	12	13	0.10	
204	1952	1951	12	19	0.43	
204	1952	1951	12	29	0.28	
204	1952	1951	12	30	0.80	
204	1952	1951	12	31	0.29	
204	1952	1952	1	7	0.74	
204	1952	1952	1	8	0.10	
204	1952	1952	1	11	0.05	
204	1952	1952	1	12	0.44	
204	1952	1952	1	13	0.64	
204	1952	1952	1	14	0.05	
204	1952	1952	1	15	1.36	
204	1952	1952	1	16	1.44	
204	1952	1952	1	17	0.30	
204	1952	1952	1	18	0.48	
204	1952	1952	1	21	0.08	
204	1952	1952	1	24	0.04	
204	1952	1952	1	27	0.87	
204	1952	1952	2	2	0.03	
204	1952	1952	2	12	0.18	
204	1952	1952	2	17	0.11	
204	1952	1952	2	21	0.04	
204	1952	1952	3	1	0.47	
204	1952	1952	3	2	0.06	
204	1952	1952	3	4	0.17	
204	1952	1952	3	7	1.97	
204	1952	1952	3	8	0.02	
204	1952	1952	3	9	0.30	
204	1952	1952	3	10	0.07	
204	1952	1952	3	11	0.18	
204	1952	1952	3	13	0.18	

station id	water year	year	month	day	daily rain	code
204	1952	1952	3	15	3.58	
204	1952	1952	3	16	0.55	
204	1952	1952	3	19	0.20	
204	1952	1952	3	20	0.03	
204	1952	1952	4	7	0.09	
204	1952	1952	4	8	0.20	
204	1952	1952	4	10	0.19	
204	1952	1952	4	11	0.04	
204	1952	1952	4	14	0.01	
204	1952	1952	4	26	0.04	
204	1952	1952	5	12	0.02	
204	1952	1952	6	6	0.03	
204	1952	1952	7	30	0.02	
204	1953	1952	11	14	0.65	
204	1953	1952	11	15	1.31	
204	1953	1952	11	16	0.66	
204	1953	1952	11	23	0.04	
204	1953	1952	11	30	0.74	
204	1953	1952	12	2	1.13	
204	1953	1952	12	6	0.16	
204	1953	1952	12	7	0.15	
204	1953	1952	12	8	0.15	
204	1953	1952	12	20	1.41	
204	1953	1952	12	27	0.29	
204	1953	1952	12	28	1.01	
204	1953	1952	12	31	1.09	
204	1953	1953	1	6	0.10	
204	1953	1953	1	7	0.07	
204	1953	1953	1	8	0.09	
204	1953	1953	1	13	0.17	
204	1953	1953	1	14	0.75	
204	1953	1953	1	15	0.07	
204	1953	1953	1	20	0.01	
204	1953	1953	3	2	0.39	
204	1953	1953	3	10	0.10	
204	1953	1953	3	20	0.59	
204	1953	1953	4	8	0.03	
204	1953	1953	4	20	0.16	
204	1953	1953	4	27	0.13	
204	1953	1953	4	28	0.95	
204	1954	1953	11	5	0.24	
204	1954	1953	11	14	2.05	
204	1954	1953	11	15	0.07	
204	1954	1953	11	20	0.15	
204	1954	1953	12	4	0.25	
204	1954	1954	1	11	0.43	
204	1954	1954	1	12	0.52	
204	1954	1954	1	13	0.14	
204	1954	1954	1	17	0.02	
204	1954	1954	1	18	0.12	
204	1954	1954	1	19	0.22	

station id	water year	year	month	day	daily rain	code
204	1954	1954	1	20	1.24	
204	1954	1954	1	23	0.03	
204	1954	1954	1	24	0.50	
204	1954	1954	1	25	1.42	
204	1954	1954	2	13	0.82	
204	1954	1954	2	14	0.39	
204	1954	1954	2	15	0.05	
204	1954	1954	2	17	0.03	
204	1954	1954	2	18	0.18	
204	1954	1954	3	9	0.15	
204	1954	1954	3	10	0.07	
204	1954	1954	3	16	0.02	
204	1954	1954	3	17	1.39	
204	1954	1954	3	18	0.03	
204	1954	1954	3	20	1.02	
204	1954	1954	3	21	0.34	
204	1954	1954	3	24	0.11	
204	1954	1954	3	25	0.39	
204	1954	1954	3	30	0.79	
204	1954	1954	4	28	0.26	
204	1954	1954	5	15	0.02	
204	1955	1954	11	11	0.31	
204	1955	1954	11	12	0.10	
204	1955	1954	11	16	0.88	
204	1955	1954	12	3	0.32	
204	1955	1954	12	4	1.53	
204	1955	1954	12	10	0.82	
204	1955	1954	12	15	0.01	
204	1955	1955	1	1	0.10	
204	1955	1955	1	2	0.72	
204	1955	1955	1	5	0.02	
204	1955	1955	1	10	1.06	
204	1955	1955	1	11	0.22	
204	1955	1955	1	16	0.62	
204	1955	1955	1	17	0.08	
204	1955	1955	1	18	1.06	
204	1955	1955	1	19	0.47	
204	1955	1955	1	20	0.02	
204	1955	1955	1	31	0.05	
204	1955	1955	2	1	0.01	
204	1955	1955	2	17	0.76	
204	1955	1955	2	18	0.06	
204	1955	1955	2	26	0.12	
204	1955	1955	2	27	0.33	
204	1955	1955	2	28	0.14	
204	1955	1955	3	9	0.01	
204	1955	1955	3	10	0.09	
204	1955	1955	3	11	0.23	
204	1955	1955	4	18	0.06	
204	1955	1955	4	21	0.05	
204	1955	1955	4	22	1.06	

station id	water year	year	month	day	daily rain	code
204	1955	1955	4	23	0.02	
204	1955	1955	4	26	0.14	
204	1955	1955	4	30	0.53	
204	1955	1955	5	1	0.10	
204	1955	1955	5	2	0.09	
204	1955	1955	5	7	0.21	
204	1955	1955	5	8	0.79	
204	1955	1955	5	30	0.02	
204	1955	1955	6	14	0.02	
204	1955	1955	8	5	0.01	
204	1956	1955	11	14	1.40	
204	1956	1955	11	17	0.25	
204	1956	1955	11	18	0.11	
204	1956	1955	11	21	0.20	
204	1956	1955	12	1	0.01	
204	1956	1955	12	2	0.13	
204	1956	1955	12	4	0.34	
204	1956	1955	12	5	0.02	
204	1956	1955	12	6	0.12	
204	1956	1955	12	7	0.18	
204	1956	1955	12	9	0.02	
204	1956	1955	12	20	0.04	
204	1956	1955	12	23	0.17	
204	1956	1955	12	24	1.25	
204	1956	1955	12	25	3.15	
204	1956	1955	12	26	0.12	
204	1956	1955	12	27	0.74	
204	1956	1955	12	31	0.18	
204	1956	1956	1	2	0.02	
204	1956	1956	1	16	0.04	
204	1956	1956	1	20	0.02	
204	1956	1956	1	21	0.02	
204	1956	1956	1	23	0.16	
204	1956	1956	1	25	1.17	
204	1956	1956	1	26	2.24	
204	1956	1956	1	27	0.76	
204	1956	1956	1	31	0.27	
204	1956	1956	2	18	0.04	
204	1956	1956	2	23	0.30	
204	1956	1956	2	24	0.18	
204	1956	1956	2	26	0.07	
204	1956	1956	4	1	0.06	
204	1956	1956	4	2	0.02	
204	1956	1956	4	11	0.06	
204	1956	1956	4	12	0.94	
204	1956	1956	4	14	0.04	
204	1956	1956	4	15	0.01	
204	1956	1956	4	27	0.36	
204	1956	1956	4	28	0.39	
204	1956	1956	5	4	0.04	
204	1956	1956	5	9	0.73	

station id	water year	year	month	day	daily rain	code
204	1956	1956	5	10	0.42	
204	1957	1956	10	2	0.01	
204	1957	1956	10	4	0.53	
204	1957	1956	10	6	0.04	
204	1957	1956	10	7	0.02	
204	1957	1956	10	31	0.04	
204	1957	1956	12	5	0.06	
204	1957	1956	12	6	0.30	
204	1957	1957	1	4	0.40	
204	1957	1957	1	7	0.04	
204	1957	1957	1	12	0.01	
204	1957	1957	1	13	1.23	
204	1957	1957	1	14	0.02	
204	1957	1957	1	20	0.10	
204	1957	1957	1	21	0.58	
204	1957	1957	1	23	0.03	
204	1957	1957	1	24	0.23	
204	1957	1957	1	26	0.39	
204	1957	1957	1	27	0.01	
204	1957	1957	1	29	0.13	
204	1957	1957	2	8	0.41	
204	1957	1957	2	9	0.47	
204	1957	1957	2	10	0.02	
204	1957	1957	2	17	0.01	
204	1957	1957	2	18	0.03	
204	1957	1957	2	20	0.01	
204	1957	1957	2	23	0.91	
204	1957	1957	2	24	0.04	
204	1957	1957	2	28	0.30	
204	1957	1957	3	1	0.76	
204	1957	1957	3	9	0.05	
204	1957	1957	3	10	0.15	
204	1957	1957	3	16	0.17	
204	1957	1957	3	19	0.11	
204	1957	1957	4	14	0.06	
204	1957	1957	4	17	0.01	
204	1957	1957	4	18	0.97	
204	1957	1957	4	20	0.13	
204	1957	1957	4	21	0.13	
204	1957	1957	5	11	0.02	
204	1957	1957	5	12	0.25	
204	1957	1957	5	15	0.09	
204	1957	1957	5	19	0.60	
204	1957	1957	5	20	0.05	
204	1957	1957	5	21	0.27	
204	1957	1957	6	10	0.08	
204	1958	1957	10	11	0.18	
204	1958	1957	10	12	0.01	
204	1958	1957	10	13	0.06	
204	1958	1957	10	14	0.34	
204	1958	1957	10	20	0.01	

station id	water year	year	month	day	daily rain	code
204	1958	1957	10	21	0.22	
204	1958	1957	11	3	0.20	
204	1958	1957	11	14	0.11	
204	1958	1957	11	15	0.09	
204	1958	1957	11	17	0.03	
204	1958	1957	12	5	1.06	
204	1958	1957	12	6	0.54	
204	1958	1957	12	15	0.25	
204	1958	1957	12	16	0.65	
204	1958	1957	12	17	0.91	
204	1958	1957	12	18	0.01	
204	1958	1957	12	19	0.07	
204	1958	1957	12	22	0.02	
204	1958	1958	1	2	0.09	
204	1958	1958	1	10	0.18	
204	1958	1958	1	24	0.01	
204	1958	1958	1	25	0.67	
204	1958	1958	1	26	1.62	
204	1958	1958	1	27	0.29	
204	1958	1958	1	30	0.17	
204	1958	1958	2	3	1.43	
204	1958	1958	2	4	0.79	
204	1958	1958	2	5	0.34	
204	1958	1958	2	7	0.10	
204	1958	1958	2	8	0.26	
204	1958	1958	2	13	0.52	
204	1958	1958	2	19	1.73	
204	1958	1958	2	25	1.84	
204	1958	1958	2	26	0.18	
204	1958	1958	3	1	0.12	
204	1958	1958	3	2	0.01	
204	1958	1958	3	6	0.32	
204	1958	1958	3	7	0.02	
204	1958	1958	3	9	0.02	
204	1958	1958	3	11	0.15	
204	1958	1958	3	12	0.01	
204	1958	1958	3	13	0.11	
204	1958	1958	3	14	0.07	
204	1958	1958	3	15	0.69	
204	1958	1958	3	16	0.81	
204	1958	1958	3	17	0.14	
204	1958	1958	3	20	0.06	
204	1958	1958	3	21	0.63	
204	1958	1958	3	22	0.76	
204	1958	1958	3	24	0.07	
204	1958	1958	3	27	0.97	
204	1958	1958	3	28	0.39	
204	1958	1958	3	30	0.31	
204	1958	1958	3	31	0.19	
204	1958	1958	4	1	1.11	
204	1958	1958	4	2	0.58	

station id	water year	year	month	day	daily rain	code
204	1958	1958	4	3	1.61	
204	1958	1958	4	4	0.52	
204	1958	1958	4	5	1.26	
204	1958	1958	4	6	1.31	
204	1958	1958	5	1	0.05	
204	1958	1958	5	11	0.01	
204	1958	1958	5	12	0.02	
204	1958	1958	5	22	0.25	
204	1959	1958	9	7	0.59	
204	1959	1958	9	8	0.32	
204	1959	1958	9	23	0.56	
204	1959	1958	9	24	0.15	
204	1959	1958	11	10	0.10	
204	1959	1958	11	11	0.03	
204	1959	1958	11	15	0.04	
204	1959	1958	12	28	0.10	
204	1959	1958	12	29	0.11	
204	1959	1959	1	6	2.05	
204	1959	1959	1	7	0.07	
204	1959	1959	1	10	0.08	
204	1959	1959	1	13	0.30	
204	1959	1959	2	7	0.02	
204	1959	1959	2	8	0.18	
204	1959	1959	2	10	0.21	
204	1959	1959	2	11	1.57	
204	1959	1959	2	12	0.45	
204	1959	1959	2	16	0.58	
204	1959	1959	2	17	0.34	
204	1959	1959	2	18	0.03	
204	1959	1959	2	19	0.09	
204	1959	1959	2	21	1.32	
204	1959	1959	2	22	0.19	
204	1959	1959	4	25	0.31	
204	1959	1959	4	26	0.19	
204	1959	1959	4	27	0.18	
204	1960	1959	9	17	0.01	
204	1960	1959	9	19	0.04	
204	1960	1959	12	10	0.06	
204	1960	1959	12	24	0.36	
204	1960	1959	12	25	0.47	
204	1960	1960	1	1	0.02	
204	1960	1960	1	10	2.30	
204	1960	1960	1	11	0.12	
204	1960	1960	1	12	0.78	
204	1960	1960	1	14	0.20	
204	1960	1960	1	15	0.53	
204	1960	1960	1	23	0.39	
204	1960	1960	1	25	0.16	
204	1960	1960	2	2	2.02	
204	1960	1960	2	3	0.04	
204	1960	1960	2	4	0.13	

station id	water year	year	month	day	daily rain	code
204	1960	1960	2	6	0.13	
204	1960	1960	2	9	0.40	
204	1960	1960	2	10	0.41	
204	1960	1960	2	11	0.05	
204	1960	1960	2	19	0.04	
204	1960	1960	2	29	0.75	
204	1960	1960	3	13	0.29	
204	1960	1960	3	23	0.01	
204	1960	1960	3	28	0.49	
204	1960	1960	4	23	0.17	
204	1960	1960	4	24	0.12	
204	1960	1960	4	27	1.47	
204	1960	1960	4	28	0.89	
204	1961	1960	10	6	0.64	
204	1961	1960	11	4	0.38	
204	1961	1960	11	6	0.67	
204	1961	1960	11	12	0.24	
204	1961	1960	11	13	0.44	
204	1961	1960	11	14	0.08	
204	1961	1960	11	26	0.77	
204	1961	1960	11	27	0.65	
204	1961	1960	12	2	0.95	
204	1961	1960	12	11	0.07	
204	1961	1961	1	26	0.89	
204	1961	1961	1	27	0.01	
204	1961	1961	2	1	0.11	
204	1961	1961	2	12	0.01	
204	1961	1961	3	6	0.08	
204	1961	1961	3	15	0.58	
204	1961	1961	3	17	0.10	
204	1961	1961	3	25	0.09	
204	1961	1961	3	27	0.02	
204	1961	1961	3	28	0.01	
204	1961	1961	4	22	0.25	
204	1961	1961	5	7	0.16	
204	1962	1961	11	20	2.16	
204	1962	1961	11	21	0.47	
204	1962	1961	11	25	0.02	
204	1962	1961	11	26	0.64	
204	1962	1961	11	30	0.06	
204	1962	1961	12	2	2.13	
204	1962	1961	12	3	0.16	
204	1962	1961	12	14	0.04	
204	1962	1961	12	15	0.01	
204	1962	1961	12	16	0.01	
204	1962	1961	12	17	0.01	
204	1962	1962	1	13	0.10	
204	1962	1962	1	20	2.00	
204	1962	1962	1	21	0.34	
204	1962	1962	1	22	0.38	
204	1962	1962	1	23	0.12	

station id	water year	year	month	day	daily rain	code
204	1962	1962	2	7	0.32	
204	1962	1962	2	8	1.24	
204	1962	1962	2	9	0.89	
204	1962	1962	2	10	2.61	
204	1962	1962	2	11	2.27	
204	1962	1962	2	12	0.76	
204	1962	1962	2	14	0.17	
204	1962	1962	2	15	1.02	
204	1962	1962	2	16	0.36	
204	1962	1962	2	17	0.04	
204	1962	1962	2	19	1.76	
204	1962	1962	2	20	0.13	
204	1962	1962	2	21	0.40	
204	1962	1962	2	24	0.02	
204	1962	1962	2	25	0.10	
204	1962	1962	2	26	0.42	
204	1962	1962	3	2	0.08	
204	1962	1962	3	3	0.08	
204	1962	1962	3	5	0.05	
204	1962	1962	3	6	0.75	
204	1962	1962	3	7	0.34	
204	1962	1962	3	8	0.02	
204	1962	1962	3	15	0.06	
204	1962	1962	3	19	0.21	
204	1962	1962	3	20	0.02	
204	1962	1962	3	21	0.02	
204	1962	1962	3	23	0.32	
204	1962	1962	3	28	0.02	
204	1962	1962	4	28	0.04	
204	1962	1962	5	12	0.01	
204	1962	1962	5	17	0.08	
204	1962	1962	5	27	0.01	
204	1963	1962	10	14	0.46	
204	1963	1962	11	2	0.01	
204	1963	1962	12	16	0.28	
204	1963	1962	12	17	0.16	
204	1963	1963	1	30	0.06	
204	1963	1963	1	31	0.42	
204	1963	1963	2	1	0.52	
204	1963	1963	2	2	0.32	
204	1963	1963	2	9	0.16	
204	1963	1963	2	10	2.65	
204	1963	1963	2	11	0.86	
204	1963	1963	2	13	0.20	
204	1963	1963	2	14	0.05	
204	1963	1963	3	7	0.02	
204	1963	1963	3	9	0.18	
204	1963	1963	3	10	0.07	
204	1963	1963	3	15	0.16	
204	1963	1963	3	16	0.06	
204	1963	1963	3	17	1.52	

station id	water year	year	month	day	daily rain	code
204	1963	1963	3	23	0.46	
204	1963	1963	3	28	1.16	
204	1963	1963	4	7	0.05	
204	1963	1963	4	8	0.12	
204	1963	1963	4	9	0.02	
204	1963	1963	4	10	0.03	
204	1963	1963	4	14	0.68	
204	1963	1963	4	15	0.21	
204	1963	1963	4	17	0.02	
204	1963	1963	4	18	0.02	
204	1963	1963	4	19	0.02	
204	1963	1963	4	20	0.04	
204	1963	1963	4	21	0.43	
204	1963	1963	4	26	0.97	
204	1963	1963	5	9	0.23	
204	1963	1963	5	11	0.01	
204	1963	1963	5	25	0.01	
204	1963	1963	5	28	0.05	
204	1963	1963	6	11	0.14	
204	1963	1963	6	12	0.03	
204	1963	1963	8	8	0.27	
204	1963	1963	8	9	0.04	
204	1964	1963	9	5	0.28	
204	1964	1963	9	18	0.29	
204	1964	1963	9	19	0.44	
204	1964	1963	10	10	0.12	
204	1964	1963	10	11	0.13	
204	1964	1963	10	16	0.89	
204	1964	1963	11	3	0.09	
204	1964	1963	11	6	0.57	
204	1964	1963	11	7	0.04	
204	1964	1963	11	15	0.27	
204	1964	1963	11	20	0.93	
204	1964	1963	11	21	0.05	
204	1964	1963	11	24	0.08	
204	1964	1963	12	9	0.14	
204	1964	1963	12	10	0.02	
204	1964	1964	1	18	0.05	
204	1964	1964	1	20	0.05	
204	1964	1964	1	21	0.68	
204	1964	1964	1	22	0.83	
204	1964	1964	1	23	0.10	
204	1964	1964	1	26	0.10	
204	1964	1964	2	16	0.03	
204	1964	1964	2	29	0.09	
204	1964	1964	3	2	0.17	
204	1964	1964	3	8	0.04	
204	1964	1964	3	12	0.02	
204	1964	1964	3	13	0.12	
204	1964	1964	3	22	0.03	
204	1964	1964	3	23	1.20	

station id	water year	year	month	day	daily rain	code
204	1964	1964	3	24	0.30	
204	1964	1964	3	25	0.11	
204	1964	1964	4	1	1.34	
204	1964	1964	4	23	0.02	
204	1964	1964	4	24	0.04	
204	1964	1964	4	28	0.02	
204	1964	1964	4	29	0.07	
204	1964	1964	5	5	0.03	
204	1964	1964	5	6	0.24	
204	1964	1964	5	7	0.14	
204	1964	1964	5	17	0.03	
204	1964	1964	6	9	0.07	
204	1964	1964	7	27	0.02	
204	1965	1964	10	27	0.01	
204	1965	1964	10	28	0.47	
204	1965	1964	10	29	0.98	
204	1965	1964	10	30	0.01	
204	1965	1964	11	1	0.10	
204	1965	1964	11	8	0.16	
204	1965	1964	11	9	0.64	
204	1965	1964	11	10	0.84	
204	1965	1964	11	11	0.06	
204	1965	1964	11	12	0.59	
204	1965	1964	11	13	0.01	
204	1965	1964	11	14	0.01	
204	1965	1964	12	18	0.01	
204	1965	1964	12	19	0.18	
204	1965	1964	12	20	0.18	
204	1965	1964	12	21	0.01	
204	1965	1964	12	23	0.17	
204	1965	1964	12	24	0.11	
204	1965	1964	12	27	0.38	
204	1965	1964	12	28	0.45	
204	1965	1964	12	29	0.03	
204	1965	1964	12	30	0.08	
204	1965	1964	12	31	0.51	
204	1965	1965	1	4	0.14	
204	1965	1965	1	5	0.03	
204	1965	1965	1	6	0.12	
204	1965	1965	1	7	0.23	
204	1965	1965	1	24	0.18	
204	1965	1965	1	25	0.02	
204	1965	1965	2	5	0.40	
204	1965	1965	2	6	0.10	
204	1965	1965	2	7	0.01	
204	1965	1965	3	5	0.50	
204	1965	1965	3	6	0.09	
204	1965	1965	3	7	0.22	
204	1965	1965	3	8	0.21	
204	1965	1965	3	9	0.05	
204	1965	1965	3	10	0.25	

station id	water year	year	month	day	daily rain	code
204	1965	1965	3	11	0.02	
204	1965	1965	3	31	1.03	
204	1965	1965	4	1	0.01	
204	1965	1965	4	2	0.19	
204	1965	1965	4	3	0.49	
204	1965	1965	4	4	0.33	
204	1965	1965	4	5	0.07	
204	1965	1965	4	6	0.09	
204	1965	1965	4	7	0.26	
204	1965	1965	4	8	1.43	
204	1965	1965	4	9	0.14	
204	1965	1965	4	10	1.03	
204	1965	1965	4	11	0.12	
204	1965	1965	4	12	0.01	
204	1965	1965	4	13	0.03	
204	1966	1965	10	15	0.01	
204	1966	1965	11	13	0.31	
204	1966	1965	11	14	0.21	
204	1966	1965	11	15	0.63	
204	1966	1965	11	16	1.35	
204	1966	1965	11	17	0.58	
204	1966	1965	11	18	0.03	
204	1966	1965	11	22	0.01	
204	1966	1965	11	23	0.35	
204	1966	1965	11	24	1.98	
204	1966	1965	11	25	0.32	
204	1966	1965	11	26	0.02	
204	1966	1965	12	10	0.02	
204	1966	1965	12	12	0.38	
204	1966	1965	12	13	0.07	
204	1966	1965	12	14	0.13	
204	1966	1965	12	25	0.04	
204	1966	1965	12	29	1.90	
204	1966	1965	12	30	0.49	
204	1966	1965	12	31	0.40	
204	1966	1966	1	1	0.23	
204	1966	1966	1	20	0.12	
204	1966	1966	1	26	0.09	
204	1966	1966	1	30	1.39	
204	1966	1966	1	31	0.20	
204	1966	1966	2	2	0.15	
204	1966	1966	2	5	0.03	
204	1966	1966	2	6	0.59	
204	1966	1966	2	8	0.01	
204	1966	1966	2	10	0.02	
204	1966	1966	2	26	0.07	
204	1966	1966	3	2	0.25	
204	1966	1966	3	3	0.03	
204	1966	1966	4	10	0.09	
204	1966	1966	5	5	0.03	
204	1966	1966	6	16	0.02	

station id	water year	year	month	day	daily rain	code
204	1967	1966	9	29	0.09	
204	1967	1966	11	7	0.68	
204	1967	1966	11	8	0.64	
204	1967	1966	11	16	0.03	
204	1967	1966	11	20	0.35	
204	1967	1966	11	21	0.03	
204	1967	1966	11	22	0.09	
204	1967	1966	11	29	0.20	
204	1967	1967	1	22	1.43	
204	1967	1967	1	24	1.05	
204	1967	1967	1	25	1.89	
204	1967	1967	1	30	0.04	
204	1967	1967	1	31	0.26	
204	1967	1967	2	25	0.31	
204	1967	1967	3	4	0.17	
204	1967	1967	3	11	0.12	
204	1967	1967	3	12	0.65	
204	1967	1967	3	13	0.41	
204	1967	1967	3	14	0.23	
204	1967	1967	3	17	0.11	
204	1967	1967	3	31	0.61	
204	1967	1967	4	1	0.21	
204	1967	1967	4	2	0.26	
204	1967	1967	4	4	0.10	
204	1967	1967	4	5	0.40	
204	1967	1967	4	7	0.56	
204	1967	1967	4	8	0.02	
204	1967	1967	4	11	0.84	
204	1967	1967	4	12	0.03	
204	1967	1967	4	15	0.10	
204	1967	1967	4	16	0.10	
204	1967	1967	4	18	0.63	
204	1967	1967	4	19	0.52	
204	1967	1967	4	20	0.21	
204	1967	1967	4	21	0.15	
204	1967	1967	4	22	0.56	
204	1967	1967	4	23	0.01	
204	1967	1967	4	24	0.22	
204	1967	1967	4	29	0.06	
204	1968	1967	9	21	0.05	
204	1968	1967	9	28	0.10	
204	1968	1967	9	29	0.13	
204	1967	1966	12	3	1.70	E415
204	1967	1966	12	5	0.34	E415
204	1967	1966	12	6	2.00	E415
204	1967	1966	12	7	1.35	E415
204	1968	1967	11	19	0.37	
204	1968	1967	11	20	0.35	
204	1968	1967	11	21	0.44	
204	1968	1967	11	22	0.27	
204	1968	1967	11	27	0.02	

station id	water year	year	month	day	daily rain	code
204	1968	1967	11	30	0.61	
204	1968	1967	12	1	0.05	
204	1968	1967	12	4	0.02	
204	1968	1967	12	5	0.05	
204	1968	1967	12	7	0.08	
204	1968	1967	12	19	0.57	
204	1968	1967	12	20	0.23	
204	1968	1967	12	21	0.03	
204	1968	1968	1	10	0.06	
204	1968	1968	1	11	0.18	
204	1968	1968	1	16	0.03	
204	1968	1968	1	27	0.01	
204	1968	1968	1	28	0.82	
204	1968	1968	1	30	0.35	
204	1968	1968	2	13	0.16	
204	1968	1968	2	17	0.62	
204	1968	1968	2	18	0.08	
204	1968	1968	2	21	0.02	
204	1968	1968	3	7	0.09	
204	1968	1968	3	8	1.44	
204	1968	1968	3	9	0.02	
204	1968	1968	3	13	0.91	
204	1968	1968	3	14	0.02	
204	1968	1968	3	17	0.35	
204	1968	1968	4	2	0.97	
204	1968	1968	5	12	0.02	
204	1968	1968	5	13	0.14	
204	1969	1968	10	13	0.20	
204	1969	1968	10	14	1.36	
204	1969	1968	10	30	0.37	
204	1969	1968	11	3	0.16	
204	1969	1968	11	4	0.05	
204	1969	1968	11	15	0.90	
204	1969	1968	11	16	0.05	
204	1969	1968	11	30	0.02	
204	1969	1968	12	10	0.29	
204	1969	1968	12	14	0.14	
204	1969	1968	12	15	0.11	
204	1969	1968	12	16	0.34	
204	1969	1968	12	20	0.10	
204	1969	1968	12	25	0.10	
204	1969	1968	12	26	0.60	
204	1969	1968	12	27	0.01	
204	1969	1968	12	29	0.11	
204	1969	1969	1	14	0.67	
204	1969	1969	1	19	1.19	
204	1969	1969	1	20	1.47	
204	1969	1969	1	21	1.20	
204	1969	1969	1	22	0.36	
204	1969	1969	1	24	0.40	
204	1969	1969	1	25	2.44	

station id	water year	year	month	day	daily rain	code
204	1969	1969	1	26	1.07	
204	1969	1969	1	27	0.05	
204	1969	1969	1	28	0.17	
204	1969	1969	1	29	0.35	
204	1969	1969	1	31	0.02	
204	1969	1969	2	5	0.56	
204	1969	1969	2	6	1.00	
204	1969	1969	2	7	0.30	
204	1969	1969	2	12	0.37	
204	1969	1969	2	15	0.37	
204	1969	1969	2	16	0.12	
204	1969	1969	2	18	0.41	
204	1969	1969	2	19	0.50	
204	1969	1969	2	20	0.48	
204	1969	1969	2	21	0.01	
204	1969	1969	2	22	0.80	
204	1969	1969	2	23	0.85	
204	1969	1969	2	24	0.46	
204	1969	1969	2	25	2.46	
204	1969	1969	2	26	0.32	
204	1969	1969	2	28	0.46	
204	1969	1969	3	1	0.58	
204	1969	1969	3	10	0.30	
204	1969	1969	3	13	0.08	
204	1969	1969	3	21	0.17	
204	1969	1969	3	22	0.20	
204	1969	1969	4	3	0.78	
204	1969	1969	4	5	1.08	
204	1969	1969	4	6	0.02	
204	1969	1969	4	10	0.02	
204	1969	1969	5	4	0.10	
204	1970	1969	9	6	0.03	
204	1970	1969	9	7	0.05	
204	1970	1969	9	16	0.03	
204	1970	1969	10	16	0.08	
204	1970	1969	10	17	0.05	
204	1970	1969	11	6	0.86	
204	1970	1969	11	7	0.64	
204	1970	1969	11	8	0.04	
204	1970	1969	12	9	0.15	
204	1970	1969	12	20	0.10	
204	1970	1969	12	21	0.05	
204	1970	1969	12	22	0.08	
204	1970	1969	12	25	0.04	
204	1970	1969	12	26	0.11	
204	1970	1970	1	9	0.11	
204	1970	1970	1	10	1.05	
204	1970	1970	1	11	0.07	
204	1970	1970	1	12	0.14	
204	1970	1970	1	15	0.07	
204	1970	1970	1	16	1.02	

station id	water year	year	month	day	daily rain	code
204	1970	1970	1	17	0.40	
204	1970	1970	1	20	0.08	
204	1970	1970	1	24	0.12	
204	1970	1970	2	10	0.10	
204	1970	1970	2	11	0.32	
204	1970	1970	2	13	0.12	
204	1970	1970	2	17	0.06	
204	1970	1970	2	28	0.75	
204	1970	1970	3	1	1.60	
204	1970	1970	3	2	0.50	
204	1970	1970	3	5	1.05	
204	1970	1970	3	10	0.05	
204	1970	1970	3	11	0.05	
204	1970	1970	4	14	0.09	
204	1970	1970	4	27	0.10	
204	1971	1970	10	21	0.03	
204	1971	1970	11	4	0.02	
204	1971	1970	11	5	0.13	
204	1971	1970	11	6	0.14	
204	1971	1970	11	7	0.03	
204	1971	1970	11	26	1.38	
204	1971	1970	11	28	0.15	
204	1971	1970	11	29	0.60	
204	1971	1970	11	30	0.48	
204	1971	1970	12	1	0.04	
204	1971	1970	12	2	0.56	
204	1971	1970	12	3	0.02	
204	1971	1970	12	9	0.11	
204	1971	1970	12	14	0.10	
204	1971	1970	12	16	0.13	
204	1971	1970	12	17	0.51	
204	1971	1970	12	18	0.30	
204	1971	1970	12	19	1.03	
204	1971	1970	12	21	1.03	
204	1971	1970	12	22	0.53	
204	1971	1970	12	26	0.08	
204	1971	1971	1	2	0.23	
204	1971	1971	1	12	0.16	
204	1971	1971	1	13	0.24	
204	1971	1971	1	14	0.16	
204	1971	1971	1	20	0.01	
204	1971	1971	2	17	0.57	
204	1971	1971	2	19	0.05	
204	1971	1971	3	13	0.62	
204	1971	1971	3	26	0.03	
204	1971	1971	3	27	0.01	
204	1971	1971	4	14	0.60	
204	1971	1971	4	18	0.14	
204	1971	1971	5	3	0.05	
204	1971	1971	5	6	0.03	
204	1971	1971	5	7	0.08	

station id	water year	year	month	day	daily rain	code
204	1971	1971	5	27	0.10	
204	1971	1971	5	28	0.69	
204	1972	1971	9	30	0.04	
204	1972	1971	10	15	0.09	
204	1972	1971	10	16	0.12	
204	1972	1971	10	25	0.06	
204	1972	1971	11	11	0.01	
204	1972	1971	11	12	0.25	
204	1972	1971	11	14	0.01	
204	1972	1971	11	29	0.09	
204	1972	1971	12	3	0.40	
204	1972	1971	12	4	0.05	
204	1972	1971	12	13	0.23	
204	1972	1971	12	22	0.63	
204	1972	1971	12	23	0.58	
204	1972	1971	12	24	0.26	
204	1972	1971	12	25	0.32	
204	1972	1971	12	26	0.65	
204	1972	1971	12	27	2.75	
204	1972	1971	12	28	0.15	
204	1972	1972	1	27	0.07	
204	1972	1972	1	28	0.02	
204	1972	1972	2	5	0.15	
204	1972	1972	2	22	0.13	
204	1972	1972	4	11	0.10	
204	1972	1972	4	12	0.05	
204	1972	1972	4	13	0.04	
204	1972	1972	5	20	0.10	
204	1972	1972	7	30	0.05	
204	1973	1972	10	12	0.23	
204	1973	1972	10	13	0.08	
204	1973	1972	10	15	0.09	
204	1973	1972	10	16	0.03	
204	1973	1972	10	18	0.10	
204	1973	1972	10	19	0.02	
204	1973	1972	11	4	0.52	
204	1973	1972	11	10	0.34	
204	1973	1972	11	11	0.30	
204	1973	1972	11	13	0.07	
204	1973	1972	11	14	1.07	
204	1973	1972	11	15	0.83	
204	1973	1972	11	16	0.71	
204	1973	1972	12	4	0.53	
204	1973	1972	12	5	0.06	
204	1973	1972	12	6	0.35	
204	1973	1972	12	7	0.25	
204	1973	1972	12	8	0.03	
204	1973	1973	1	4	0.05	
204	1973	1973	1	5	0.14	
204	1973	1973	1	8	0.03	
204	1973	1973	1	9	0.54	

station id	water year	year	month	day	daily rain	code
204	1973	1973	1	10	0.35	
204	1973	1973	1	16	0.10	
204	1973	1973	1	17	1.21	
204	1973	1973	1	18	0.17	
204	1973	1973	1	19	2.12	
204	1973	1973	1	20	0.09	
204	1973	1973	1	26	0.02	
204	1973	1973	1	29	0.17	
204	1973	1973	2	3	0.12	
204	1973	1973	2	4	0.67	
204	1973	1973	2	5	0.02	
204	1973	1973	2	6	0.56	
204	1973	1973	2	7	0.61	
204	1973	1973	2	8	0.03	
204	1973	1973	2	10	0.32	
204	1973	1973	2	11	1.94	
204	1973	1973	2	12	0.14	
204	1973	1973	2	13	0.60	
204	1973	1973	2	15	0.13	
204	1973	1973	2	24	0.46	
204	1973	1973	2	27	0.10	
204	1973	1973	2	28	1.51	
204	1973	1973	3	4	0.24	
204	1973	1973	3	7	0.34	
204	1973	1973	3	8	0.35	
204	1973	1973	3	9	0.10	
204	1973	1973	3	11	0.38	
204	1973	1973	3	12	0.17	
204	1973	1973	3	13	0.01	
204	1973	1973	3	20	1.48	
204	1973	1973	3	21	0.03	
204	1973	1973	3	22	0.38	
204	1973	1973	4	13	0.05	
204	1973	1973	5	31	0.19	
204	1974	1973	9	5	0.05	
204	1974	1973	10	8	0.12	
204	1974	1973	10	22	0.05	
204	1974	1973	10	23	0.15	
204	1974	1973	11	12	0.51	
204	1974	1973	11	14	0.04	
204	1974	1973	11	17	0.25	
204	1974	1973	11	18	0.85	
204	1974	1973	11	23	0.74	
204	1974	1973	11	26	0.03	
204	1974	1973	12	1	1.03	
204	1974	1973	12	14	0.07	
204	1974	1973	12	22	0.37	
204	1974	1973	12	27	0.15	
204	1974	1973	12	28	0.61	
204	1974	1974	1	1	0.10	
204	1974	1974	1	2	0.07	

station id	water year	year	month	day	daily rain	code
204	1974	1974	1	4	1.51	
204	1974	1974	1	5	0.42	
204	1974	1974	1	6	0.43	
204	1974	1974	1	7	1.38	
204	1974	1974	1	8	0.88	
204	1974	1974	1	12	0.13	
204	1974	1974	1	13	0.02	
204	1974	1974	1	17	0.84	
204	1974	1974	1	19	0.02	
204	1974	1974	1	20	0.03	
204	1974	1974	1	21	0.09	
204	1974	1974	2	13	0.05	
204	1974	1974	2	20	0.08	
204	1974	1974	3	1	0.10	
204	1974	1974	3	2	0.90	
204	1974	1974	3	3	0.27	
204	1974	1974	3	4	0.10	
204	1974	1974	3	7	0.03	
204	1974	1974	3	8	0.98	
204	1974	1974	3	26	0.38	
204	1974	1974	3	27	0.43	
204	1974	1974	3	28	0.06	
204	1974	1974	3	29	0.10	
204	1974	1974	3	30	0.50	
204	1974	1974	3	31	0.15	
204	1974	1974	4	2	0.85	
204	1974	1974	4	9	0.05	
204	1974	1974	4	24	0.06	
204	1975	1974	10	8	0.04	
204	1975	1974	10	28	0.54	
204	1975	1974	10	29	0.43	
204	1975	1974	11	1	0.03	
204	1975	1974	11	22	0.23	
204	1975	1974	12	4	3.14	
204	1975	1974	12	28	1.40	
204	1975	1974	12	29	0.56	
204	1975	1974	12	31	0.02	
204	1975	1975	1	7	0.05	
204	1975	1975	1	8	0.04	
204	1975	1975	1	9	0.07	
204	1975	1975	1	31	0.05	
204	1975	1975	2	1	0.18	
204	1975	1975	2	2	0.65	
204	1975	1975	2	3	2.28	
204	1975	1975	2	4	0.15	
204	1975	1975	2	5	0.45	
204	1975	1975	2	9	0.22	
204	1975	1975	2	10	0.20	
204	1975	1975	2	13	0.05	
204	1975	1975	2	14	0.05	
204	1975	1975	3	5	0.04	

station id	water year	year	month	day	daily rain	code
204	1975	1975	3	6	1.35	
204	1975	1975	3	7	0.86	
204	1975	1975	3	8	1.18	
204	1975	1975	3	9	0.03	
204	1975	1975	3	10	0.08	
204	1975	1975	3	11	0.64	
204	1975	1975	3	14	0.40	
204	1975	1975	3	16	0.13	
204	1975	1975	3	22	0.50	
204	1975	1975	3	25	0.06	
204	1975	1975	3	26	0.02	
204	1975	1975	4	5	0.39	
204	1975	1975	4	6	0.35	
204	1975	1975	4	25	0.12	
204	1976	1975	10	7	0.05	
204	1976	1975	10	11	0.50	
204	1976	1975	10	27	0.07	
204	1976	1975	10	30	0.17	
204	1976	1975	10	31	0.05	
204	1976	1975	12	12	0.03	
204	1976	1975	12	13	0.11	
204	1976	1975	12	14	0.03	
204	1976	1976	1	11	0.01	
204	1976	1976	2	6	0.24	
204	1976	1976	2	7	0.53	
204	1976	1976	2	8	0.65	
204	1976	1976	2	9	1.89	
204	1976	1976	2	10	1.05	
204	1976	1976	2	11	2.00	
204	1976	1976	2	14	0.12	
204	1976	1976	2	15	0.03	
204	1976	1976	2	19	0.01	
204	1976	1976	2	20	0.02	
204	1976	1976	2	24	0.14	
204	1976	1976	3	2	0.82	
204	1976	1976	3	3	0.09	
204	1976	1976	3	4	0.76	
204	1976	1976	4	5	0.15	
204	1976	1976	4	6	0.10	
204	1976	1976	4	7	0.03	
204	1976	1976	4	9	0.38	
204	1976	1976	4	10	0.10	
204	1976	1976	4	12	0.08	
204	1976	1976	4	14	0.40	
204	1976	1976	4	16	0.07	
204	1976	1976	5	8	0.03	
204	1976	1976	6	11	0.13	
204	1976	1976	7	16	0.02	
204	1976	1976	8	16	0.07	
204	1976	1976	8	19	0.20	
204	1976	1976	8	20	0.17	

station id	water year	year	month	day	daily rain	code
204	1977	1976	9	10	0.14	
204	1977	1976	9	11	2.32	
204	1977	1976	9	20	0.03	
204	1977	1976	9	29	2.18	
204	1977	1976	9	30	0.15	
204	1977	1976	10	1	0.27	
204	1977	1976	10	21	0.06	
204	1977	1976	10	23	0.05	
204	1977	1976	11	11	0.01	
204	1977	1976	11	12	0.26	
204	1977	1976	11	13	0.05	
204	1977	1976	11	14	0.07	
204	1977	1976	12	30	0.48	
204	1977	1976	12	31	0.29	
204	1977	1977	1	1	0.02	
204	1977	1977	1	3	0.84	
204	1977	1977	1	5	0.83	
204	1977	1977	1	6	0.73	
204	1977	1977	1	21	0.08	
204	1977	1977	1	28	0.10	
204	1977	1977	2	21	0.03	
204	1977	1977	2	23	0.05	
204	1977	1977	2	24	0.05	
204	1977	1977	3	16	1.28	
204	1977	1977	3	17	0.09	
204	1977	1977	3	25	0.47	
204	1977	1977	3	30	0.06	
204	1977	1977	3	31	0.12	
204	1977	1977	4	9	0.01	
204	1977	1977	5	1	0.03	
204	1977	1977	5	8	0.66	
204	1977	1977	5	9	1.72	
204	1977	1977	5	10	0.10	
204	1977	1977	5	12	0.07	
204	1977	1977	5	13	0.24	
204	1977	1977	5	23	0.02	
204	1978	1977	11	5	0.14	
204	1978	1977	12	15	0.12	
204	1978	1977	12	16	0.02	
204	1978	1977	12	17	0.03	
204	1978	1977	12	18	0.46	
204	1978	1977	12	19	0.28	
204	1978	1977	12	22	0.19	
204	1978	1977	12	23	0.51	
204	1978	1977	12	24	0.03	
204	1978	1977	12	26	0.12	
204	1978	1977	12	27	0.05	
204	1978	1977	12	28	1.25	
204	1978	1977	12	29	0.04	
204	1978	1978	1	3	0.40	
204	1978	1978	1	4	0.12	

station id	water year	year	month	day	daily rain	code
204	1978	1978	1	5	0.52	
204	1978	1978	1	6	0.29	
204	1978	1978	1	9	0.10	
204	1978	1978	1	10	1.01	
204	1978	1978	1	11	0.15	
204	1978	1978	1	13	0.01	
204	1978	1978	1	15	1.23	
204	1978	1978	1	16	0.05	
204	1978	1978	1	17	1.27	
204	1978	1978	1	18	0.13	
204	1978	1978	1	19	0.29	
204	1978	1978	1	20	0.05	
204	1978	1978	2	5	0.10	
204	1978	1978	2	6	0.05	
204	1978	1978	2	7	0.02	
204	1978	1978	2	8	1.18	
204	1978	1978	2	9	1.76	
204	1978	1978	2	10	3.07	
204	1978	1978	2	11	0.45	
204	1978	1978	2	13	1.44	
204	1978	1978	2	14	0.10	
204	1978	1978	2	28	0.05	
204	1978	1978	3	1	0.80	
204	1978	1978	3	2	0.58	
204	1978	1978	3	3	0.33	
204	1978	1978	3	4	1.90	
204	1978	1978	3	5	1.10	
204	1978	1978	3	6	0.07	
204	1978	1978	3	9	0.43	
204	1978	1978	3	10	0.25	
204	1978	1978	3	12	0.26	
204	1978	1978	3	22	0.82	
204	1978	1978	3	23	0.09	
204	1978	1978	3	30	0.04	
204	1978	1978	3	31	0.99	
204	1978	1978	4	4	0.50	
204	1978	1978	4	7	0.49	
204	1978	1978	4	8	0.34	
204	1978	1978	4	15	0.20	
204	1978	1978	4	16	0.95	
204	1978	1978	4	17	0.05	
204	1978	1978	4	25	0.35	
204	1979	1978	9	4	1.89	
204	1979	1978	9	5	0.28	
204	1979	1978	11	11	0.33	
204	1979	1978	11	13	0.60	
204	1979	1978	11	14	0.05	
204	1979	1978	11	20	0.17	
204	1979	1978	11	21	0.47	
204	1979	1978	11	22	0.46	
204	1979	1978	12	2	0.15	

station id	water year	year	month	day	daily rain	code
204	1979	1978	12	17	0.70	
204	1979	1978	12	18	0.37	
204	1979	1978	12	19	0.74	
204	1979	1979	1	5	0.27	
204	1979	1979	1	6	0.48	
204	1979	1979	1	9	0.15	
204	1979	1979	1	12	0.04	
204	1979	1979	1	14	1.29	
204	1979	1979	1	15	0.95	
204	1979	1979	1	16	0.18	
204	1979	1979	1	17	0.53	
204	1979	1979	1	18	0.05	
204	1979	1979	1	31	0.65	
204	1979	1979	2	1	0.70	
204	1979	1979	2	2	0.30	
204	1979	1979	2	3	0.29	
204	1979	1979	2	14	0.49	
204	1979	1979	2	15	0.29	
204	1979	1979	2	19	0.09	
204	1979	1979	2	21	1.18	
204	1979	1979	2	22	0.23	
204	1979	1979	2	23	0.20	
204	1979	1979	2	25	0.03	
204	1979	1979	3	1	0.43	
204	1979	1979	3	14	0.04	
204	1979	1979	3	16	0.14	
204	1979	1979	3	17	0.44	
204	1979	1979	3	19	0.45	
204	1979	1979	3	20	0.71	
204	1979	1979	3	27	1.53	
204	1979	1979	3	28	0.79	
204	1979	1979	3	29	0.67	
204	1979	1979	3	30	0.02	
204	1979	1979	5	7	0.04	
204	1980	1979	9	29	0.20	
204	1980	1979	10	14	0.10	
204	1980	1979	10	20	0.63	
204	1980	1979	10	26	0.19	
204	1980	1979	11	4	0.15	
204	1980	1979	11	8	0.52	
204	1980	1979	11	26	0.02	
204	1980	1979	12	21	0.11	
204	1980	1979	12	22	0.03	
204	1980	1979	12	24	0.38	
204	1980	1979	12	25	1.28	
204	1980	1980	1	8	0.08	
204	1980	1980	1	9	0.13	
204	1980	1980	1	10	1.08	
204	1980	1980	1	11	0.53	
204	1980	1980	1	12	0.53	
204	1980	1980	1	13	0.20	

station id	water year	year	month	day	daily rain	code
204	1980	1980	1	14	0.80	
204	1980	1980	1	15	0.35	
204	1980	1980	1	16	0.11	
204	1980	1980	1	17	0.14	
204	1980	1980	1	18	0.10	
204	1980	1980	1	29	0.20	
204	1980	1980	2	14	0.05	
204	1980	1980	2	15	0.52	
204	1980	1980	2	16	1.01	
204	1980	1980	2	17	1.84	
204	1980	1980	2	18	0.95	
204	1980	1980	2	19	0.97	
204	1980	1980	2	20	0.83	
204	1980	1980	2	21	0.61	
204	1980	1980	2	28	0.13	
204	1980	1980	3	3	0.45	
204	1980	1980	3	5	0.45	
204	1980	1980	3	6	1.22	
204	1980	1980	3	7	0.05	
204	1980	1980	3	22	0.02	
204	1980	1980	3	26	0.23	
204	1980	1980	4	5	0.01	
204	1980	1980	4	6	0.18	
204	1980	1980	4	22	0.66	
204	1980	1980	4	23	0.35	
204	1980	1980	4	24	0.02	
204	1980	1980	4	28	0.33	
204	1980	1980	5	11	0.27	
204	1980	1980	5	20	0.01	
204	1980	1980	7	3	0.01	
204	1981	1980	12	4	0.70	
204	1981	1980	12	5	0.16	
204	1981	1981	1	3	0.05	
204	1981	1981	1	4	0.02	
204	1981	1981	1	23	1.11	
204	1981	1981	1	27	0.02	
204	1981	1981	1	28	1.08	
204	1981	1981	1	29	0.57	
204	1981	1981	1	30	0.02	
204	1981	1981	2	8	0.04	
204	1981	1981	2	9	1.61	
204	1981	1981	2	11	0.03	
204	1981	1981	2	12	0.02	
204	1981	1981	2	13	0.02	
204	1981	1981	2	26	1.01	
204	1981	1981	2	28	0.02	
204	1981	1981	3	1	1.85	
204	1981	1981	3	2	0.40	
204	1981	1981	3	5	2.45	
204	1981	1981	3	14	0.13	
204	1981	1981	3	19	0.14	

station id	water year	year	month	day	daily rain	code
204	1981	1981	3	20	0.54	
204	1981	1981	3	21	0.05	
204	1981	1981	3	22	0.60	
204	1981	1981	3	26	0.08	
204	1981	1981	3	27	0.10	
204	1981	1981	4	19	0.42	
204	1981	1981	4	20	0.06	
204	1982	1981	10	1	0.02	
204	1982	1981	10	28	0.24	
204	1982	1981	10	29	0.31	
204	1982	1981	11	14	0.14	
204	1982	1981	11	17	0.12	
204	1982	1981	11	27	0.41	
204	1982	1981	11	28	0.19	
204	1982	1981	11	29	0.06	
204	1982	1981	12	13	0.01	
204	1982	1981	12	21	0.26	
204	1982	1981	12	30	0.55	
204	1982	1981	12	31	0.04	
204	1982	1982	1	1	0.19	
204	1982	1982	1	2	0.29	
204	1982	1982	1	3	0.08	
204	1982	1982	1	5	0.35	
204	1982	1982	1	6	0.03	
204	1982	1982	1	11	0.02	
204	1982	1982	1	19	0.04	
204	1982	1982	1	20	0.65	
204	1982	1982	1	21	0.96	
204	1982	1982	1	27	0.04	
204	1982	1982	1	28	0.03	
204	1982	1982	1	29	0.22	
204	1982	1982	2	8	0.02	
204	1982	1982	2	10	0.07	
204	1982	1982	2	11	0.33	
204	1982	1982	2	14	0.05	
204	1982	1982	2	15	0.05	
204	1982	1982	2	16	0.27	
204	1982	1982	3	1	0.07	
204	1982	1982	3	2	0.66	
204	1982	1982	3	3	0.04	
204	1982	1982	3	11	0.20	
204	1982	1982	3	12	0.55	
204	1982	1982	3	14	0.14	
204	1982	1982	3	15	0.37	
204	1982	1982	3	16	0.32	
204	1982	1982	3	17	1.14	
204	1982	1982	3	18	0.65	
204	1982	1982	3	19	0.28	
204	1982	1982	3	26	0.35	
204	1982	1982	3	29	0.30	
204	1982	1982	3	30	0.43	

station id	water year	year	month	day	daily rain	code
204	1982	1982	4	1	1.30	
204	1982	1982	4	2	0.21	
204	1982	1982	4	10	0.10	
204	1982	1982	4	11	1.01	
204	1982	1982	4	12	0.28	
204	1983	1982	9	16	0.06	
204	1983	1982	9	24	0.04	
204	1983	1982	9	26	0.21	
204	1983	1982	10	24	0.29	
204	1983	1982	10	26	0.34	
204	1983	1982	10	29	0.52	
204	1983	1982	10	30	0.33	
204	1983	1982	11	9	0.73	
204	1983	1982	11	10	0.65	
204	1983	1982	11	11	0.11	
204	1983	1982	11	19	0.68	
204	1983	1982	11	23	0.35	
204	1983	1982	11	24	0.06	
204	1983	1982	11	28	0.13	
204	1983	1982	11	29	0.50	
204	1983	1982	11	30	1.43	
204	1983	1982	12	1	0.59	
204	1983	1982	12	2	0.09	
204	1983	1982	12	22	0.25	
204	1983	1982	12	23	1.53	
204	1983	1983	1	19	0.90	
204	1983	1983	1	22	0.26	
204	1983	1983	1	23	2.35	
204	1983	1983	1	24	0.67	
204	1983	1983	1	27	2.20	
204	1983	1983	1	28	0.38	
204	1983	1983	1	29	1.40	
204	1983	1983	2	3	0.29	
204	1983	1983	2	6	0.54	
204	1983	1983	2	7	0.21	
204	1983	1983	2	8	1.03	
204	1983	1983	2	13	0.75	
204	1983	1983	2	24	0.14	
204	1983	1983	2	26	1.30	
204	1983	1983	2	27	0.77	
204	1983	1983	2	28	0.20	
204	1983	1983	3	1	2.03	
204	1983	1983	3	2	1.40	
204	1983	1983	3	3	0.52	
204	1983	1983	3	4	0.25	
204	1983	1983	3	5	0.40	
204	1983	1983	3	6	0.05	
204	1983	1983	3	7	0.10	
204	1983	1983	3	14	0.45	
204	1983	1983	3	17	0.36	
204	1983	1983	3	18	0.47	

station id	water year	year	month	day	daily rain	code
204	1983	1983	3	19	0.19	
204	1983	1983	3	21	1.10	
204	1983	1983	3	23	0.36	
204	1983	1983	3	24	0.79	
204	1983	1983	3	25	0.12	
204	1983	1983	3	28	0.08	
204	1983	1983	4	6	0.02	
204	1983	1983	4	12	0.36	
204	1983	1983	4	18	1.01	
204	1983	1983	4	19	0.63	
204	1983	1983	4	20	1.08	
204	1983	1983	4	21	0.32	
204	1983	1983	4	28	0.28	
204	1983	1983	4	29	0.03	
204	1983	1983	4	30	0.45	
204	1983	1983	5	1	0.15	
204	1983	1983	5	2	0.09	
204	1983	1983	5	6	0.02	
204	1983	1983	8	19	0.31	
204	1984	1983	9	30	0.05	
204	1984	1983	10	1	1.22	
204	1984	1983	11	1	0.22	
204	1984	1983	11	2	0.44	
204	1984	1983	11	11	0.22	
204	1984	1983	11	12	0.29	
204	1984	1983	11	13	0.15	
204	1984	1983	11	14	0.04	
204	1984	1983	11	17	0.07	
204	1984	1983	11	18	0.17	
204	1984	1983	11	20	0.42	
204	1984	1983	11	21	0.36	
204	1984	1983	11	25	0.82	
204	1984	1983	12	1	0.04	
204	1984	1983	12	4	0.86	
204	1984	1983	12	9	0.11	
204	1984	1983	12	10	0.72	
204	1984	1983	12	11	0.01	
204	1984	1983	12	12	0.17	
204	1984	1983	12	25	1.30	
204	1984	1983	12	26	0.25	
204	1984	1983	12	27	0.15	
204	1984	1984	1	17	0.01	
204	1984	1984	2	2	0.08	
204	1984	1984	2	10	0.15	
204	1984	1984	2	14	0.04	
204	1984	1984	2	16	0.14	
204	1984	1984	3	14	0.54	
204	1984	1984	3	31	0.03	
204	1984	1984	4	6	0.35	
204	1984	1984	4	19	0.24	
204	1985	1984	10	12	0.20	

station id	water year	year	month	day	daily rain	code
204	1985	1984	10	15	0.50	
204	1985	1984	11	8	0.42	
204	1985	1984	11	13	1.19	
204	1985	1984	11	16	0.62	
204	1985	1984	11	17	0.04	
204	1985	1984	11	25	0.57	
204	1985	1984	11	28	0.30	
204	1985	1984	12	3	0.10	
204	1985	1984	12	8	0.32	
204	1985	1984	12	10	0.33	
204	1985	1984	12	16	0.54	
204	1985	1984	12	18	0.08	
204	1985	1984	12	19	1.44	
204	1985	1984	12	20	0.82	
204	1985	1985	1	7	0.28	
204	1985	1985	1	10	0.12	
204	1985	1985	1	29	0.18	
204	1985	1985	2	2	0.24	
204	1985	1985	2	8	0.03	
204	1985	1985	2	9	0.70	
204	1985	1985	3	3	0.08	
204	1985	1985	3	6	0.20	
204	1985	1985	3	7	0.33	
204	1985	1985	3	11	0.11	
204	1985	1985	3	18	0.04	
204	1985	1985	3	19	0.04	
204	1985	1985	3	27	0.39	
204	1985	1985	3	28	0.21	
204	1985	1985	8	17	0.02	
204	1986	1985	10	22	0.41	
204	1986	1985	11	11	0.80	
204	1986	1985	11	12	0.15	
204	1986	1985	11	24	0.01	
204	1986	1985	11	25	0.70	
204	1986	1985	11	26	0.42	
204	1986	1985	11	29	0.96	
204	1986	1985	11	30	0.45	
204	1986	1985	12	2	0.37	
204	1986	1985	12	3	0.02	
204	1986	1985	12	29	0.03	
204	1986	1985	12	30	0.02	
204	1986	1986	1	5	0.60	
204	1986	1986	1	15	0.02	
204	1986	1986	1	30	0.23	
204	1986	1986	1	31	0.34	
204	1986	1986	2	1	0.25	
204	1986	1986	2	3	0.10	
204	1986	1986	2	12	0.06	
204	1986	1986	2	13	1.33	
204	1986	1986	2	14	0.42	
204	1986	1986	2	15	1.69	

station id	water year	year	month	day	daily rain	code
204	1986	1986	2	18	0.47	
204	1986	1986	2	19	0.38	
204	1986	1986	3	8	0.27	
204	1986	1986	3	9	0.80	
204	1986	1986	3	10	0.72	
204	1986	1986	3	11	0.32	
204	1986	1986	3	12	0.27	
204	1986	1986	3	13	0.85	
204	1986	1986	3	16	1.49	
204	1986	1986	3	17	0.65	
204	1986	1986	4	6	0.15	
204	1986	1986	4	7	0.03	
204	1986	1986	4	8	0.09	
204	1987	1986	9	24	0.25	
204	1987	1986	9	25	0.52	
204	1987	1986	9	26	0.01	
204	1987	1986	11	18	1.25	
204	1987	1986	12	6	0.68	
204	1987	1986	12	16	0.30	
204	1987	1986	12	20	0.27	
204	1987	1987	1	4	0.74	
204	1987	1987	1	5	0.10	
204	1987	1987	1	7	0.55	
204	1987	1987	1	23	0.03	
204	1987	1987	1	28	0.12	
204	1987	1987	1	30	0.01	
204	1987	1987	2	9	0.02	
204	1987	1987	2	10	0.08	
204	1987	1987	2	12	0.71	
204	1987	1987	2	13	0.17	
204	1987	1987	2	22	0.38	
204	1987	1987	2	24	0.15	
204	1987	1987	2	25	0.28	
204	1987	1987	2	26	0.05	
204	1987	1987	3	5	1.36	
204	1987	1987	3	6	1.49	
204	1987	1987	3	9	0.40	
204	1987	1987	3	13	0.08	
204	1987	1987	3	16	0.22	
204	1987	1987	3	21	0.41	
204	1987	1987	3	22	0.28	
204	1987	1987	4	4	0.30	
204	1987	1987	6	6	0.50	
204	1988	1987	10	23	0.56	
204	1988	1987	10	24	0.05	
204	1988	1987	10	27	0.28	
204	1988	1987	10	28	0.03	
204	1988	1987	10	29	0.05	
204	1988	1987	10	31	0.35	
204	1988	1987	11	1	0.06	
204	1988	1987	11	4	0.07	

station id	water year	year	month	day	daily rain	code
204	1988	1987	11	5	0.65	
204	1988	1987	11	14	0.19	
204	1988	1987	11	17	0.32	
204	1988	1987	11	20	0.09	
204	1988	1987	12	5	0.99	
204	1988	1987	12	7	0.10	
204	1988	1987	12	9	0.05	
204	1988	1987	12	16	0.80	
204	1988	1987	12	17	0.26	
204	1988	1987	12	28	0.30	
204	1988	1987	12	29	0.60	
204	1988	1987	12	30	0.58	
204	1988	1988	1	6	0.82	
204	1988	1988	1	9	0.03	
204	1988	1988	1	17	0.47	
204	1988	1988	1	18	0.62	
204	1988	1988	2	27	0.10	
204	1988	1988	2	28	0.98	
204	1988	1988	2	29	1.34	
204	1988	1988	3	1	0.88	
204	1988	1988	3	2	0.15	
204	1988	1988	4	15	1.40	
204	1988	1988	4	20	1.06	
204	1988	1988	4	21	0.12	
204	1988	1988	4	23	0.41	
204	1988	1988	5	6	0.02	
204	1988	1988	5	29	0.09	
204	1988	1988	6	24	0.19	
204	1989	1988	11	14	0.22	
204	1989	1988	11	17	0.08	
204	1989	1988	11	24	0.25	
204	1989	1988	11	25	0.51	
204	1989	1988	12	16	0.82	
204	1989	1988	12	17	1.23	
204	1989	1988	12	18	0.38	
204	1989	1988	12	20	0.08	
204	1989	1988	12	21	0.65	
204	1989	1988	12	23	0.25	
204	1989	1988	12	25	0.74	
204	1989	1988	12	30	0.12	
204	1989	1989	1	5	0.03	
204	1989	1989	1	6	0.21	
204	1989	1989	1	7	0.09	
204	1989	1989	1	24	0.06	
204	1989	1989	2	3	0.03	
204	1989	1989	2	4	0.28	
204	1989	1989	2	5	0.12	
204	1989	1989	2	8	0.36	
204	1989	1989	2	9	0.32	
204	1989	1989	2	20	0.05	
204	1989	1989	3	2	0.42	

station id	water year	year	month	day	daily rain	code
204	1989	1989	3	3	0.10	
204	1989	1989	3	11	0.02	
204	1989	1989	3	25	0.12	
204	1989	1989	3	26	0.04	
204	1989	1989	4	24	0.07	
204	1989	1989	4	25	0.11	
204	1989	1989	4	26	0.04	
204	1989	1989	5	8	0.08	
204	1989	1989	5	9	0.36	
204	1990	1989	9	16	0.16	
204	1990	1989	9	17	0.08	
204	1990	1989	9	19	0.08	
204	1990	1989	9	29	0.30	
204	1990	1989	10	22	0.03	
204	1990	1989	10	24	0.44	
204	1990	1989	10	25	0.01	
204	1990	1989	11	27	0.27	
204	1990	1990	1	2	0.42	
204	1990	1990	1	13	1.30	
204	1990	1990	1	14	0.54	
204	1990	1990	1	15	0.64	
204	1990	1990	1	16	0.01	
204	1990	1990	1	17	0.39	
204	1990	1990	1	31	0.11	
204	1990	1990	2	1	0.07	
204	1990	1990	2	4	0.69	
204	1990	1990	2	17	1.00	
204	1990	1990	2	18	0.30	
204	1990	1990	3	5	0.25	
204	1990	1990	3	12	0.18	
204	1990	1990	4	16	0.28	
204	1990	1990	4	24	0.13	
204	1990	1990	5	24	0.02	
204	1990	1990	5	28	0.37	
204	1991	1990	9	21	0.02	
204	1991	1990	9	22	0.16	
204	1991	1990	9	23	0.05	
204	1991	1990	11	20	0.09	
204	1991	1990	11	26	0.20	
204	1991	1990	12	16	0.15	
204	1991	1990	12	20	0.39	
204	1991	1991	1	3	0.12	
204	1991	1991	1	4	0.39	
204	1991	1991	1	5	0.08	
204	1991	1991	1	9	0.39	
204	1991	1991	1	10	0.22	
204	1991	1991	2	5	0.15	
204	1991	1991	2	28	1.54	
204	1991	1991	3	1	1.77	
204	1991	1991	3	2	0.25	
204	1991	1991	3	5	0.78	

station id	water year	year	month	day	daily rain	code
204	1991	1991	3	11	0.21	
204	1991	1991	3	13	0.32	
204	1991	1991	3	14	0.23	
204	1991	1991	3	16	0.20	
204	1991	1991	3	18	1.86	
204	1991	1991	3	19	3.69	
204	1991	1991	3	20	0.77	
204	1991	1991	3	21	0.17	
204	1991	1991	3	25	0.79	
204	1991	1991	3	26	0.35	
204	1991	1991	3	27	0.94	
204	1991	1991	4	1	0.07	
204	1991	1991	4	21	0.13	
204	1992	1991	10	27	0.38	
204	1992	1991	11	18	0.19	
204	1992	1991	12	8	0.16	
204	1992	1991	12	28	1.55	
204	1992	1991	12	29	0.91	
204	1992	1991	12	30	1.31	
204	1992	1992	1	3	0.18	
204	1992	1992	1	4	0.07	
204	1992	1992	1	5	1.27	
204	1992	1992	1	6	0.71	
204	1992	1992	1	7	0.20	
204	1992	1992	1	8	0.14	
204	1992	1992	2	6	0.30	
204	1992	1992	2	7	0.23	
204	1992	1992	2	8	0.01	
204	1992	1992	2	10	1.21	
204	1992	1992	2	11	0.74	
204	1992	1992	2	12	2.01	
204	1992	1992	2	13	0.88	
204	1992	1992	2	15	1.25	
204	1992	1992	2	16	0.25	
204	1992	1992	2	17	0.03	
204	1992	1992	2	20	0.04	
204	1992	1992	3	2	0.36	
204	1992	1992	3	3	0.31	
204	1992	1992	3	4	0.05	
204	1992	1992	3	6	0.72	
204	1992	1992	3	7	0.10	
204	1992	1992	3	15	0.02	
204	1992	1992	3	20	0.11	
204	1992	1992	3	21	0.22	
204	1992	1992	3	22	0.02	
204	1992	1992	3	23	0.60	
204	1992	1992	3	26	0.01	
204	1992	1992	3	27	0.19	
204	1992	1992	3	31	0.19	
204	1992	1992	7	9	0.04	
204	1992	1992	7	13	0.04	

station id	water year	year	month	day	daily rain	code
204	1993	1992	10	21	0.07	
204	1993	1992	10	22	0.02	
204	1993	1992	10	27	0.09	
204	1993	1992	10	30	0.70	
204	1993	1992	10	31	0.19	
204	1993	1992	12	4	0.13	
204	1993	1992	12	7	2.14	
204	1993	1992	12	8	0.07	
204	1993	1992	12	9	0.02	
204	1993	1992	12	11	0.30	
204	1993	1992	12	12	0.11	
204	1993	1992	12	18	0.23	
204	1993	1992	12	29	0.78	
204	1993	1992	12	30	0.34	
204	1993	1993	1	2	0.65	
204	1993	1993	1	6	0.03	
204	1993	1993	1	7	1.31	
204	1993	1993	1	8	0.27	
204	1993	1993	1	9	0.22	
204	1993	1993	1	10	0.05	
204	1993	1993	1	11	0.45	
204	1993	1993	1	13	0.81	
204	1993	1993	1	14	1.51	
204	1993	1993	1	16	0.14	
204	1993	1993	1	17	0.02	
204	1993	1993	1	18	1.52	
204	1993	1993	1	19	0.12	
204	1993	1993	1	22	0.05	
204	1993	1993	2	5	0.07	
204	1993	1993	2	8	1.58	
204	1993	1993	2	9	0.83	
204	1993	1993	2	10	0.08	
204	1993	1993	2	18	0.33	
204	1993	1993	2	19	1.98	
204	1993	1993	2	20	0.30	
204	1993	1993	2	21	0.05	
204	1993	1993	2	23	1.21	
204	1993	1993	2	24	0.17	
204	1993	1993	2	26	0.54	
204	1993	1993	3	1	0.33	
204	1993	1993	3	17	0.03	
204	1993	1993	3	18	0.01	
204	1993	1993	3	24	0.10	
204	1993	1993	3	25	1.76	
204	1993	1993	3	26	1.66	
204	1993	1993	3	29	0.85	
204	1993	1993	4	18	0.10	
204	1993	1993	5	25	0.28	
204	1993	1993	6	5	0.11	
204	1994	1993	10	11	0.16	
204	1994	1993	10	18	0.10	

station id	water year	year	month	day	daily rain	code
204	1994	1993	11	11	0.28	
204	1994	1993	11	12	0.05	
204	1994	1993	11	13	0.14	
204	1994	1993	11	22	0.03	
204	1994	1993	11	30	0.52	
204	1994	1993	12	12	1.04	
204	1994	1993	12	15	0.52	
204	1994	1993	12	19	0.01	
204	1994	1994	1	24	0.57	
204	1994	1994	1	25	1.11	
204	1994	1994	1	26	0.08	
204	1994	1994	2	4	0.80	
204	1994	1994	2	7	0.50	
204	1994	1994	2	8	0.79	
204	1994	1994	2	9	0.04	
204	1994	1994	2	11	0.03	
204	1994	1994	2	17	0.94	
204	1994	1994	2	18	0.22	
204	1994	1994	2	19	0.07	
204	1994	1994	2	20	1.04	
204	1994	1994	3	6	0.97	
204	1994	1994	3	7	0.18	
204	1994	1994	3	19	0.23	
204	1994	1994	3	25	1.05	
204	1994	1994	4	9	0.15	
204	1994	1994	4	25	0.07	
204	1994	1994	4	26	0.52	
204	1994	1994	4	27	0.05	
204	1994	1994	5	8	0.59	
204	1994	1994	5	17	0.13	
204	1994	1994	5	18	0.35	
204	1994	1994	5	19	0.04	
204	1995	1994	9	23	0.04	
204	1995	1994	9	28	0.03	
204	1995	1994	9	29	0.02	
204	1995	1994	10	4	0.44	
204	1995	1994	10	5	0.20	
204	1995	1994	11	8	0.13	
204	1995	1994	11	10	1.09	
204	1995	1994	11	16	0.27	
204	1995	1994	11	26	0.24	
204	1995	1994	12	13	0.28	
204	1995	1994	12	14	0.06	
204	1995	1994	12	15	0.12	
204	1995	1994	12	25	0.73	
204	1995	1995	1	3	1.23	
204	1995	1995	1	4	0.85	
204	1995	1995	1	5	1.65	
204	1995	1995	1	6	0.04	
204	1995	1995	1	7	0.80	
204	1995	1995	1	9	0.55	

station id	water year	year	month	day	daily rain	code
204	1995	1995	1	10	2.50	
204	1995	1995	1	11	1.12	
204	1995	1995	1	12	0.34	
204	1995	1995	1	13	0.02	
204	1995	1995	1	14	0.04	
204	1995	1995	1	15	0.48	
204	1995	1995	1	16	0.48	
204	1995	1995	1	17	0.01	
204	1995	1995	1	21	0.47	
204	1995	1995	1	23	0.24	
204	1995	1995	1	24	0.98	
204	1995	1995	1	25	2.20	
204	1995	1995	1	26	0.92	
204	1995	1995	2	8	0.22	
204	1995	1995	2	9	0.08	
204	1995	1995	2	14	1.55	
204	1995	1995	3	2	0.02	
204	1995	1995	3	3	0.10	
204	1995	1995	3	5	0.43	
204	1995	1995	3	6	1.00	
204	1995	1995	3	10	0.25	
204	1995	1995	3	11	2.15	
204	1995	1995	3	12	0.58	
204	1995	1995	3	21	0.62	
204	1995	1995	3	22	0.13	
204	1995	1995	3	23	1.41	
204	1995	1995	3	24	0.05	
204	1995	1995	4	14	0.07	
204	1995	1995	4	16	0.27	
204	1995	1995	4	21	0.11	
204	1995	1995	5	2	0.04	
204	1995	1995	5	7	0.10	
204	1995	1995	5	14	0.10	
204	1995	1995	5	15	0.50	
204	1995	1995	5	16	0.05	
204	1995	1995	6	15	0.25	
204	1995	1995	6	16	0.54	
204	1996	1995	11	1	0.25	
204	1996	1995	12	13	0.73	
204	1996	1995	12	14	0.08	
204	1996	1995	12	21	0.02	
204	1996	1995	12	23	0.30	
204	1996	1995	12	25	0.04	
204	1996	1996	1	17	0.57	
204	1996	1996	1	19	0.15	
204	1996	1996	1	22	0.10	
204	1996	1996	1	25	0.47	
204	1996	1996	1	28	0.19	
204	1996	1996	1	31	0.20	
204	1996	1996	2	1	0.75	
204	1996	1996	2	3	0.50	

station id	water year	year	month	day	daily rain	code
204	1996	1996	2	4	0.47	
204	1996	1996	2	5	0.42	
204	1996	1996	2	6	1.10	
204	1996	1996	2	16	0.16	
204	1996	1996	2	19	0.29	
204	1996	1996	2	20	2.47	
204	1996	1996	2	21	1.13	
204	1996	1996	2	22	0.33	
204	1996	1996	2	25	0.46	
204	1996	1996	2	26	0.27	
204	1996	1996	2	27	0.62	
204	1996	1996	3	1	0.04	
204	1996	1996	3	4	0.30	
204	1996	1996	3	5	0.26	
204	1996	1996	3	6	0.02	
204	1996	1996	3	13	0.85	
204	1996	1996	3	14	0.80	
204	1996	1996	3	28	0.06	
204	1996	1996	4	2	0.41	
204	1996	1996	4	16	0.13	
204	1996	1996	4	17	0.16	
204	1996	1996	4	18	0.15	
204	1996	1996	5	16	0.20	
204	1996	1996	5	17	0.02	
204	1996	1996	6	26	0.03	
204	1997	1996	10	25	0.03	
204	1997	1996	10	26	0.04	
204	1997	1996	10	30	2.18	
204	1997	1996	11	17	0.07	
204	1997	1996	11	18	0.16	
204	1997	1996	11	20	0.16	
204	1997	1996	11	21	0.65	
204	1997	1996	11	22	0.71	
204	1997	1996	11	23	0.09	
204	1997	1996	12	7	0.33	
204	1997	1996	12	10	0.78	
204	1997	1996	12	11	1.72	
204	1997	1996	12	12	0.35	
204	1997	1996	12	13	0.05	
204	1997	1996	12	22	0.85	
204	1997	1996	12	27	0.26	
204	1997	1996	12	30	0.11	
204	1997	1996	12	31	0.17	
204	1997	1997	1	2	0.72	
204	1997	1997	1	3	0.36	
204	1997	1997	1	5	0.08	
204	1997	1997	1	14	0.52	
204	1997	1997	1	15	0.04	
204	1997	1997	1	16	0.43	
204	1997	1997	1	17	0.12	
204	1997	1997	1	20	0.51	

station id	water year	year	month	day	daily rain	code
204	1997	1997	1	21	0.04	
204	1997	1997	1	22	0.29	
204	1997	1997	1	23	0.53	
204	1997	1997	1	24	0.01	
204	1997	1997	1	25	0.02	
204	1997	1997	1	26	0.36	
204	1997	1997	1	27	0.21	
204	1997	1997	2	11	0.08	
204	1997	1997	7	23	0.13	
204	1998	1997	9	3	0.54	
204	1998	1997	11	10	0.07	
204	1998	1997	11	11	0.30	
204	1998	1997	11	12	0.02	
204	1998	1997	11	13	0.11	
204	1998	1997	11	14	0.23	
204	1998	1997	11	16	0.49	
204	1998	1997	11	19	0.07	
204	1998	1997	11	20	0.16	
204	1998	1997	11	26	0.93	
204	1998	1997	11	27	0.53	
204	1998	1997	11	30	0.75	
204	1998	1997	12	1	0.23	
204	1998	1997	12	5	0.86	
204	1998	1997	12	6	1.68	
204	1998	1997	12	9	0.39	
204	1998	1997	12	10	0.11	
204	1998	1997	12	15	0.11	
204	1998	1997	12	19	0.70	
204	1998	1998	1	3	0.05	
204	1998	1998	1	4	0.10	
204	1998	1998	1	5	0.28	
204	1998	1998	1	9	0.03	
204	1998	1998	1	10	0.90	
204	1998	1998	1	11	0.14	
204	1998	1998	1	13	0.21	
204	1998	1998	1	15	0.10	
204	1998	1998	1	16	0.82	
204	1998	1998	1	19	0.53	
204	1998	1998	1	29	0.64	
204	1998	1998	1	30	0.20	
204	1998	1998	1	31	0.19	
204	1998	1998	2	1	0.03	
204	1998	1998	2	2	3.22	
204	1998	1998	2	3	2.75	
204	1998	1998	2	4	0.54	
204	1998	1998	2	5	0.02	
204	1998	1998	2	6	0.86	
204	1998	1998	2	7	0.61	
204	1998	1998	2	8	1.13	
204	1998	1998	2	9	0.31	
204	1998	1998	2	11	0.03	

station id	water year	year	month	day	daily rain	code
204	1998	1998	2	13	0.12	
204	1998	1998	2	14	0.41	
204	1998	1998	2	15	1.15	
204	1998	1998	2	17	0.80	
204	1998	1998	2	20	0.62	
204	1998	1998	2	22	1.01	
204	1998	1998	2	23	0.69	
204	1998	1998	2	24	0.64	
204	1998	1998	3	6	0.37	
204	1998	1998	3	14	0.14	
204	1998	1998	3	25	1.47	
204	1998	1998	3	26	0.42	
204	1998	1998	3	28	0.46	
204	1998	1998	3	29	0.19	
204	1998	1998	4	1	1.20	
204	1998	1998	4	2	0.30	
204	1998	1998	4	4	0.62	
204	1998	1998	4	6	0.06	
204	1998	1998	4	7	0.03	
204	1998	1998	4	11	0.01	
204	1998	1998	4	12	0.93	
204	1998	1998	4	13	0.09	
204	1998	1998	4	23	0.07	
204	1998	1998	4	24	0.03	
204	1998	1998	5	2	0.12	
204	1998	1998	5	3	0.54	
204	1998	1998	5	4	0.03	
204	1998	1998	5	5	0.32	
204	1998	1998	5	6	0.15	
204	1998	1998	5	12	0.21	
204	1998	1998	5	13	0.75	
204	1998	1998	5	29	0.26	
204	1998	1998	6	7	0.03	
204	1998	1998	6	11	0.02	
204	1999	1998	9	4	0.08	
204	1999	1998	9	5	0.42	
204	1999	1998	10	25	0.14	
204	1999	1998	11	8	0.45	
204	1999	1998	11	11	0.07	
204	1999	1998	11	24	0.04	
204	1999	1998	11	28	1.37	
204	1999	1998	11	29	0.06	
204	1999	1998	12	1	0.69	
204	1999	1998	12	2	0.05	
204	1999	1998	12	4	0.16	
204	1999	1998	12	6	0.17	
204	1999	1998	12	21	0.05	
204	1999	1999	1	20	0.34	
204	1999	1999	1	21	0.26	
204	1999	1999	1	24	0.27	
204	1999	1999	1	25	0.04	

station id	water year	year	month	day	daily rain	code
204	1999	1999	1	26	0.34	
204	1999	1999	1	27	0.40	
204	1999	1999	1	31	0.97	
204	1999	1999	2	1	0.13	
204	1999	1999	2	6	0.01	
204	1999	1999	2	7	0.07	
204	1999	1999	2	8	0.10	
204	1999	1999	2	9	0.14	
204	1999	1999	2	10	0.64	
204	1999	1999	2	21	0.07	
204	1999	1999	2	25	0.02	
204	1999	1999	2	26	0.03	
204	1999	1999	3	9	0.23	
204	1999	1999	3	11	0.24	
204	1999	1999	3	15	1.31	
204	1999	1999	3	16	1.13	
204	1999	1999	3	20	1.04	
204	1999	1999	3	21	0.15	
204	1999	1999	3	23	0.05	
204	1999	1999	3	25	1.17	
204	1999	1999	3	26	0.86	
204	1999	1999	3	31	0.13	
204	1999	1999	4	4	0.02	
204	1999	1999	4	6	0.25	
204	1999	1999	4	7	0.04	
204	1999	1999	4	9	0.29	
204	1999	1999	4	11	0.12	
204	1999	1999	4	12	1.41	
204	1999	1999	4	30	0.00	
204	1999	1999	6	3	0.00	
204	1999	1999	7	13	0.00	
204	1999	1999	8	27	0.13	
204	2000	1999	9	22	0.00	
204	2000	1999	11	8	1.48	
204	2000	1999	11	17	0.08	
204	2000	1999	11	20	0.10	
204	2000	1999	12	10	0.03	
204	2000	2000	1	17	0.02	
204	2000	2000	1	18	0.20	
204	2000	2000	1	19	0.05	
204	2000	2000	1	21	0.04	
204	2000	2000	1	23	0.14	
204	2000	2000	1	24	0.31	
204	2000	2000	1	25	0.47	
204	2000	2000	1	26	0.21	
204	2000	2000	1	30	0.02	
204	2000	2000	1	31	0.07	
204	2000	2000	2	4	0.28	
204	2000	2000	2	10	0.26	
204	2000	2000	2	11	0.33	
204	2000	2000	2	12	0.98	

station id	water year	year	month	day	daily rain	code
204	2000	2000	2	13	0.23	
204	2000	2000	2	14	0.71	
204	2000	2000	2	15	0.34	
204	2000	2000	2	16	0.11	
204	2000	2000	2	17	0.16	
204	2000	2000	2	20	0.45	
204	2000	2000	2	21	1.48	
204	2000	2000	2	22	1.10	
204	2000	2000	2	23	1.33	
204	2000	2000	2	24	0.16	
204	2000	2000	2	27	0.52	
204	2000	2000	2	28	0.32	
204	2000	2000	2	29	0.02	
204	2000	2000	3	1	0.05	
204	2000	2000	3	3	0.11	
204	2000	2000	3	4	0.05	
204	2000	2000	3	5	0.60	
204	2000	2000	3	6	0.71	
204	2000	2000	3	7	0.01	
204	2000	2000	3	8	0.35	
204	2000	2000	3	9	0.00	
204	2000	2000	4	15	0.39	
204	2000	2000	4	17	1.47	
204	2000	2000	4	18	1.56	
204	2000	2000	4	19	0.03	
204	2000	2000	6	8	0.08	
204	2000	2000	6	9	0.10	
204	2001	2000	10	8	0.01	
204	2001	2000	10	11	0.59	
204	2001	2000	10	12	0.08	
204	2001	2000	10	26	0.04	
204	2001	2000	10	27	0.82	
204	2001	2000	10	28	0.00	
204	2001	2000	10	29	0.73	
204	2001	2000	10	30	0.03	
204	2001	2000	12	12	0.03	
204	2001	2000	12	14	0.00	
204	2001	2001	1	8	0.52	
204	2001	2001	1	9	0.17	
204	2001	2001	1	11	2.20	
204	2001	2001	1	12	0.79	
204	2001	2001	1	13	0.05	
204	2001	2001	1	24	0.58	
204	2001	2001	1	25	0.18	
204	2001	2001	1	26	0.60	
204	2001	2001	1	27	0.04	E527
204	2001	2001	2	10	0.76	
204	2001	2001	2	11	0.12	
204	2001	2001	2	12	0.77	
204	2001	2001	2	13	1.10	
204	2001	2001	2	14	0.30	

station id	water year	year	month	day	daily rain	code
204	2001	2001	2	18	0.05	
204	2001	2001	2	19	0.24	
204	2001	2001	2	20	0.64	
204	2001	2001	2	21	0.00	
204	2001	2001	2	23	0.20	
204	2001	2001	2	24	0.17	
204	2001	2001	2	25	0.40	
204	2001	2001	2	26	0.22	
204	2001	2001	2	27	0.10	
204	2001	2001	2	28	0.15	
204	2001	2001	3	1	0.16	
204	2001	2001	3	4	0.16	
204	2001	2001	3	5	2.20	
204	2001	2001	3	6	1.42	
204	2001	2001	3	7	0.05	
204	2001	2001	4	5	0.02	
204	2001	2001	4	7	0.85	
204	2001	2001	4	8	0.12	
204	2001	2001	4	10	0.03	
204	2001	2001	4	21	0.64	
204	2002	2001	9	1	0.00	
204	2002	2001	10	30	0.22	
204	2002	2001	10	31	0.32	
204	2002	2001	11	6	0.01	
204	2002	2001	11	11	0.36	
204	2002	2001	11	12	0.01	
204	2002	2001	11	13	1.16	
204	2002	2001	11	24	0.04	
204	2002	2001	11	25	0.92	
204	2002	2001	11	29	0.51	
204	2002	2001	11	30	0.02	
204	2002	2001	12	2	0.01	
204	2002	2001	12	3	0.01	
204	2002	2001	12	10	0.04	
204	2002	2001	12	14	0.08	
204	2002	2001	12	15	0.01	
204	2002	2001	12	20	0.08	
204	2002	2001	12	21	1.19	
204	2002	2001	12	23	0.02	
204	2002	2001	12	29	0.21	
204	2002	2001	12	30	0.04	
204	2002	2001	12	31	0.21	
204	2002	2002	1	3	0.21	
204	2002	2002	1	12	0.01	
204	2002	2002	1	27	0.18	
204	2002	2002	1	28	0.44	
204	2002	2002	1	29	0.09	
204	2002	2002	1	30	0.01	
204	2002	2002	2	7	0.01	
204	2002	2002	2	17	0.25	
204	2002	2002	3	7	0.26	

station id	water year	year	month	day	daily rain	code
204	2002	2002	3	8	0.06	
204	2002	2002	3	18	0.10	
204	2002	2002	3	23	0.02	
204	2002	2002	3	24	0.22	
204	2002	2002	4	17	0.01	
204	2002	2002	4	26	0.10	
204	2002	2002	4	27	0.08	
204	2002	2002	5	20	0.00	
204	2002	2002	5	21	0.15	
204	2002	2002	8	22	0.01	
204	2003	2002	9	6	0.00	
204	2003	2002	9	29	0.01	
204	2003	2002	11	7	0.14	
204	2003	2002	11	8	1.31	
204	2003	2002	11	9	1.01	
204	2003	2002	11	10	0.14	
204	2003	2002	11	27	0.01	
204	2003	2002	12	5	0.01	
204	2003	2002	12	7	0.03	
204	2003	2002	12	15	0.35	
204	2003	2002	12	17	1.70	
204	2003	2002	12	18	0.23	
204	2003	2002	12	20	1.43	
204	2003	2002	12	21	0.06	
204	2003	2002	12	22	0.65	
204	2003	2002	12	23	0.01	
204	2003	2002	12	29	0.47	
204	2003	2002	12	30	0.02	
204	2003	2002	12	31	0.04	
204	2003	2003	1	11	0.04	
204	2003	2003	2	11	0.50	
204	2003	2003	2	12	0.49	
204	2003	2003	2	13	0.48	
204	2003	2003	2	14	0.15	
204	2003	2003	2	25	0.50	
204	2003	2003	2	26	0.03	
204	2003	2003	2	27	0.31	
204	2003	2003	3	5	0.05	
204	2003	2003	3	15	1.45	
204	2003	2003	3	16	0.20	
204	2003	2003	4	13	0.50	
204	2003	2003	4	14	0.93	
204	2003	2003	4	15	0.07	
204	2003	2003	4	28	0.15	
204	2003	2003	4	29	0.02	
204	2003	2003	5	3	0.90	
204	2003	2003	5	4	0.35	
204	2003	2003	5	7	0.05	
204	2003	2003	5	8	0.01	
204	2003	2003	6	5	0.01	
204	2003	2003	6	6	0.01	

station id	water year	year	month	day	daily rain	code
204	2003	2003	6	10	0.01	
204	2004	2003	9	26	0.01	
204	2004	2003	11	1	0.33	
204	2004	2003	11	3	0.15	
204	2004	2003	11	4	0.05	
204	2004	2003	11	9	0.70	
204	2004	2003	11	10	0.05	
204	2004	2003	11	12	0.01	
204	2004	2003	11	16	0.03	
204	2004	2003	12	7	0.01	
204	2004	2003	12	8	0.05	
204	2004	2003	12	11	0.23	
204	2004	2003	12	12	0.01	
204	2004	2003	12	15	0.30	
204	2004	2003	12	16	0.01	
204	2004	2003	12	20	0.02	
204	2004	2003	12	21	0.11	
204	2004	2003	12	23	0.07	
204	2004	2003	12	24	0.05	
204	2004	2003	12	25	0.13	
204	2004	2003	12	26	0.91	
204	2004	2004	1	2	0.29	
204	2004	2004	1	3	0.06	
204	2004	2004	1	25	0.14	
204	2004	2004	1	28	0.20	
204	2004	2004	2	3	0.98	
204	2004	2004	2	18	0.41	
204	2004	2004	2	19	0.46	
204	2004	2004	2	21	0.12	
204	2004	2004	2	22	0.27	
204	2004	2004	2	23	1.03	
204	2004	2004	2	26	1.65	
204	2004	2004	2	27	0.03	
204	2004	2004	3	2	0.30	
204	2004	2004	3	26	0.19	
204	2005	2004	10	17	0.93	
204	2005	2004	10	18	0.08	
204	2005	2004	10	20	1.88	
204	2005	2004	10	25	0.01	
204	2005	2004	10	27	1.61	
204	2005	2004	10	28	0.01	
204	2005	2004	11	4	0.04	
204	2005	2004	11	5	0.41	
204	2005	2004	11	8	0.48	
204	2005	2004	11	11	0.01	
204	2005	2004	11	28	0.03	
204	2005	2004	12	7	0.09	
204	2005	2004	12	8	0.14	
204	2005	2004	12	9	0.01	
204	2005	2004	12	10	0.01	
204	2005	2004	12	14	0.01	

station id	water year	year	month	day	daily rain	code
204	2005	2004	12	27	0.18	
204	2005	2004	12	28	3.33	
204	2005	2004	12	29	0.61	
204	2005	2004	12	30	0.05	
204	2005	2004	12	31	1.51	
204	2005	2005	1	1	0.02	
204	2005	2005	1	2	0.15	
204	2005	2005	1	3	0.79	
204	2005	2005	1	4	0.09	
204	2005	2005	1	7	0.43	
204	2005	2005	1	8	0.80	
204	2005	2005	1	9	2.05	
204	2005	2005	1	10	0.87	
204	2005	2005	1	11	0.58	
204	2005	2005	1	12	0.18	
204	2005	2005	1	26	0.01	
204	2005	2005	1	27	0.05	
204	2005	2005	1	28	0.04	
204	2005	2005	1	29	0.04	
204	2005	2005	2	11	0.21	
204	2005	2005	2	12	0.04	
204	2005	2005	2	18	1.05	
204	2005	2005	2	19	0.86	
204	2005	2005	2	20	0.29	
204	2005	2005	2	21	0.91	
204	2005	2005	2	22	0.63	
204	2005	2005	2	23	0.98	
204	2005	2005	2	28	0.28	
204	2005	2005	3	3	0.02	
204	2005	2005	3	4	0.31	
204	2005	2005	3	5	1.09	
204	2005	2005	3	9	0.01	
204	2005	2005	3	14	0.03	
204	2005	2005	3	19	0.29	
204	2005	2005	3	20	0.14	
204	2005	2005	3	22	0.15	
204	2005	2005	3	23	1.61	
204	2005	2005	3	24	0.08	
204	2005	2005	3	28	0.10	
204	2005	2005	4	4	0.08	
204	2005	2005	4	8	0.04	
204	2005	2005	4	9	0.05	
204	2005	2005	4	28	0.45	
204	2005	2005	4	29	0.18	
204	2005	2005	4	30	0.01	
204	2005	2005	5	5	0.11	
204	2005	2005	5	6	0.46	
204	2005	2005	5	9	0.23	
204	2005	2005	5	10	0.03	
204	2005	2005	6	18	0.01	
204	2006	2005	9	17	0.04	

station id	water year	year	month	day	daily rain	code
204	2006	2005	9	26	0.05	
204	2006	2005	9	28	0.01	
204	2006	2005	10	18	0.60	
204	2006	2005	10	20	0.01	
204	2006	2005	10	24	0.02	
204	2006	2005	10	26	0.01	
204	2006	2005	10	27	0.05	
204	2006	2005	10	28	0.01	
204	2006	2005	11	9	1.19	
204	2006	2005	11	10	0.47	
204	2006	2005	11	11	0.03	
204	2006	2005	11	12	0.01	
204	2006	2005	12	2	0.63	
204	2006	2005	12	3	0.15	
204	2006	2005	12	15	0.08	
204	2006	2005	12	20	0.01	
204	2006	2005	12	26	0.16	
204	2006	2005	12	29	0.01	
204	2006	2005	12	30	0.01	
204	2006	2005	12	31	0.04	
204	2006	2006	1	1	0.97	
204	2006	2006	1	2	3.11	
204	2006	2006	1	3	0.17	
204	2006	2006	1	13	0.01	
204	2006	2006	1	14	0.10	
204	2006	2006	1	15	0.04	
204	2006	2006	1	18	0.09	
204	2006	2006	1	19	0.01	
204	2006	2006	1	21	0.01	
204	2006	2006	2	18	0.15	
204	2006	2006	2	19	0.13	
204	2006	2006	2	22	0.01	
204	2006	2006	2	28	0.78	
204	2006	2006	3	1	0.01	
204	2006	2006	3	3	0.67	
204	2006	2006	3	4	0.07	
204	2006	2006	3	5	0.01	
204	2006	2006	3	6	0.25	
204	2006	2006	3	7	0.48	
204	2006	2006	3	10	0.33	
204	2006	2006	3	11	0.32	
204	2006	2006	3	12	0.21	
204	2006	2006	3	13	0.28	
204	2006	2006	3	15	0.03	
204	2006	2006	3	17	0.23	
204	2006	2006	3	18	0.22	
204	2006	2006	3	19	0.01	
204	2006	2006	3	21	0.32	
204	2006	2006	3	22	0.01	
204	2006	2006	3	26	0.07	
204	2006	2006	3	28	0.41	

station id	water year	year	month	day	daily rain	code
204	2006	2006	3	29	0.21	
204	2006	2006	3	30	0.03	
204	2006	2006	3	31	0.04	
204	2006	2006	4	1	0.10	
204	2006	2006	4	3	0.43	
204	2006	2006	4	4	1.54	
204	2006	2006	4	5	0.81	
204	2006	2006	4	6	0.19	
204	2006	2006	4	11	0.05	
204	2006	2006	4	14	0.04	
204	2006	2006	4	15	0.19	
204	2006	2006	4	17	0.01	
204	2006	2006	4	18	0.01	
204	2006	2006	4	22	0.03	
204	2006	2006	4	23	0.04	
204	2006	2006	4	26	0.21	
204	2006	2006	4	27	0.42	
204	2006	2006	4	30	0.01	
204	2006	2006	5	4	0.01	
204	2006	2006	5	21	0.02	
204	2006	2006	5	22	0.81	
204	2006	2006	5	23	0.01	
204	2007	2006	10	5	0.01	
204	2007	2006	10	13	0.08	
204	2007	2006	10	14	0.59	
204	2007	2006	10	18	0.01	
204	2007	2006	11	14	0.04	
204	2007	2006	11	27	0.17	
204	2007	2006	12	9	0.09	
204	2007	2006	12	10	0.57	
204	2007	2006	12	11	0.13	
204	2007	2006	12	12	0.01	
204	2007	2006	12	17	0.06	
204	2007	2006	12	22	0.16	
204	2007	2006	12	27	0.11	
204	2007	2006	12	28	0.10	
204	2007	2007	1	5	0.03	
204	2007	2007	1	17	0.04	
204	2007	2007	1	18	0.01	
204	2007	2007	1	27	0.08	
204	2007	2007	1	28	0.39	
204	2007	2007	1	29	0.66	
204	2007	2007	2	11	0.59	
204	2007	2007	2	12	0.08	
204	2007	2007	2	13	0.01	
204	2007	2007	2	21	0.01	
204	2007	2007	2	22	0.02	
204	2007	2007	2	23	0.74	
204	2007	2007	2	25	0.09	
204	2007	2007	2	27	0.42	
204	2007	2007	2	28	0.24	

station id	water year	year	month	day	daily rain	code
204	2007	2007	3	21	0.03	
204	2007	2007	3	27	0.10	
204	2007	2007	3	28	0.01	
204	2007	2007	4	20	0.40	
204	2007	2007	4	21	0.04	
204	2007	2007	4	22	0.01	
204	2007	2007	4	23	0.09	
204	2007	2007	5	4	0.03	
204	2007	2007	5	5	0.01	
204	2007	2007	8	30	0.03	
204	2008	2007	9	1	0.01	
204	2008	2007	9	23	0.69	
204	2008	2007	10	13	0.20	
204	2008	2007	10	15	0.01	
204	2008	2007	10	17	0.18	
204	2008	2007	10	19	0.02	
204	2008	2007	10	28	0.11	
204	2008	2007	11	10	0.01	
204	2008	2007	11	11	0.01	
204	2008	2007	12	7	0.33	
204	2008	2007	12	8	0.03	
204	2008	2007	12	18	0.36	
204	2008	2007	12	19	1.82	
204	2008	2007	12	21	0.06	
204	2008	2008	1	5	1.96	
204	2008	2008	1	6	0.41	
204	2008	2008	1	7	0.49	
204	2008	2008	1	8	0.01	
204	2008	2008	1	9	0.06	
204	2008	2008	1	17	0.01	
204	2008	2008	1	22	0.13	
204	2008	2008	1	23	1.95	
204	2008	2008	1	24	1.72	
204	2008	2008	1	25	1.22	
204	2008	2008	1	26	0.73	
204	2008	2008	1	27	1.02	
204	2008	2008	1	28	1.64	
204	2008	2008	1	29	0.04	
204	2008	2008	1	31	0.01	
204	2008	2008	2	3	1.00	
204	2008	2008	2	4	0.07	
204	2008	2008	2	20	0.16	
204	2008	2008	2	22	0.02	
204	2008	2008	2	23	0.01	
204	2008	2008	2	24	0.44	
204	2008	2008	2	25	0.02	
204	2008	2008	3	2	0.01	
204	2008	2008	3	16	0.01	
204	2008	2008	4	3	0.04	
204	2008	2008	4	25	0.01	
204	2009	2008	10	5	0.02	

station id	water year	year	month	day	daily rain	code
204	2009	2008	11	1	0.01	
204	2009	2008	11	2	0.25	
204	2009	2008	11	4	0.31	
204	2009	2008	11	9	0.03	
204	2009	2008	11	26	1.39	
204	2009	2008	11	27	0.17	
204	2009	2008	12	1	0.01	
204	2009	2008	12	13	0.07	
204	2009	2008	12	15	1.00	
204	2009	2008	12	16	0.21	
204	2009	2008	12	17	0.27	
204	2009	2008	12	20	0.01	
204	2009	2008	12	22	0.17	
204	2009	2008	12	23	0.09	
204	2009	2008	12	25	0.03	
204	2009	2008	12	26	0.16	
204	2009	2009	1	3	0.03	
204	2009	2009	1	22	0.06	
204	2009	2009	1	23	0.04	
204	2009	2009	1	24	0.09	
204	2009	2009	1	25	0.01	
204	2009	2009	2	5	0.28	
204	2009	2009	2	6	0.29	
204	2009	2009	2	7	0.72	
204	2009	2009	2	8	0.10	
204	2009	2009	2	9	0.42	
204	2009	2009	2	10	0.20	
204	2009	2009	2	12	0.11	
204	2009	2009	2	14	0.43	
204	2009	2009	2	16	1.21	
204	2009	2009	2	17	0.89	
204	2009	2009	2	18	0.12	
204	2009	2009	2	22	0.21	
204	2009	2009	2	23	0.18	
204	2009	2009	3	4	0.32	
204	2009	2009	3	5	0.05	
204	2009	2009	3	22	0.26	
204	2009	2009	3	23	0.01	
204	2009	2009	4	8	0.07	
204	2009	2009	4	9	0.06	
204	2009	2009	5	2	0.05	
204	2009	2009	6	5	0.10	
204	2010	2009	9	16	0.01	
204	2010	2009	10	13	0.03	
204	2010	2009	10	14	1.25	
204	2010	2009	10	15	0.13	
204	2010	2009	12	7	0.53	
204	2010	2009	12	8	0.37	
204	2010	2009	12	11	0.93	
204	2010	2009	12	12	0.16	
204	2010	2009	12	13	0.63	

station id	water year	year	month	day	daily rain	code
204	2010	2009	12	22	0.16	
204	2010	2009	12	30	0.06	
204	2010	2009	12	31	0.01	
204	2010	2010	1	13	0.94	
204	2010	2010	1	18	0.66	
204	2010	2010	1	19	0.76	
204	2010	2010	1	20	1.05	
204	2010	2010	1	21	1.32	
204	2010	2010	1	22	1.18	
204	2010	2010	1	23	0.21	
204	2010	2010	1	27	0.56	
204	2010	2010	1	30	0.01	
204	2010	2010	2	2	0.01	
204	2010	2010	2	5	0.20	
204	2010	2010	2	6	0.54	
204	2010	2010	2	7	0.51	
204	2010	2010	2	9	0.20	
204	2010	2010	2	10	0.27	
204	2010	2010	2	20	0.07	
204	2010	2010	2	21	0.17	
204	2010	2010	2	22	0.05	
204	2010	2010	2	24	0.10	
204	2010	2010	2	25	0.12	
204	2010	2010	2	27	1.32	
204	2010	2010	2	28	0.04	
204	2010	2010	3	3	0.07	
204	2010	2010	3	4	0.26	
204	2010	2010	3	7	0.04	
204	2010	2010	3	9	0.02	
204	2010	2010	3	10	0.01	
204	2010	2010	3	13	0.01	
204	2010	2010	4	1	0.07	
204	2010	2010	4	5	0.45	
204	2010	2010	4	6	0.01	
204	2010	2010	4	12	0.89	
204	2010	2010	4	13	0.18	
204	2010	2010	4	20	0.30	
204	2010	2010	4	21	0.48	
204	2010	2010	4	22	0.07	
204	2010	2010	4	23	0.01	
204	2010	2010	4	25	0.01	
204	2010	2010	4	28	0.11	
204	2010	2010	5	18	0.06	
204	2011	2010	10	1	0.01	
204	2011	2010	10	6	0.45	
204	2011	2010	10	7	0.01	
204	2011	2010	10	8	0.01	
204	2011	2010	10	17	0.02	
204	2011	2010	10	18	0.06	
204	2011	2010	10	19	0.15	
204	2011	2010	10	20	0.01	

station id	water year	year	month	day	daily rain	code
204	2011	2010	10	23	0.02	
204	2011	2010	10	25	0.12	
204	2011	2010	10	30	0.64	
204	2011	2010	11	8	0.18	
204	2011	2010	11	20	0.13	
204	2011	2010	11	21	0.48	
204	2011	2010	11	22	0.01	
204	2011	2010	11	24	0.08	
204	2011	2010	11	28	0.10	
204	2011	2010	12	4	0.09	
204	2011	2010	12	5	0.07	
204	2011	2010	12	6	0.43	
204	2011	2010	12	7	0.01	
204	2011	2010	12	15	0.03	
204	2011	2010	12	16	0.01	
204	2011	2010	12	17	0.05	
204	2011	2010	12	18	0.53	
204	2011	2010	12	19	2.03	
204	2011	2010	12	20	2.48	
204	2011	2010	12	21	0.63	
204	2011	2010	12	22	0.54	
204	2011	2010	12	23	0.14	
204	2011	2010	12	26	0.62	
204	2011	2010	12	29	1.02	
204	2011	2011	1	2	0.61	
204	2011	2011	1	3	0.28	
204	2011	2011	1	4	0.01	
204	2011	2011	1	30	0.12	
204	2011	2011	1	31	0.44	
204	2011	2011	2	1	0.01	
204	2011	2011	2	16	0.17	
204	2011	2011	2	17	0.17	
204	2011	2011	2	18	0.01	
204	2011	2011	2	19	2.23	
204	2011	2011	2	20	0.38	
204	2011	2011	2	26	0.77	
204	2011	2011	3	2	0.07	
204	2011	2011	3	3	0.02	
204	2011	2011	3	4	0.01	
204	2011	2011	3	7	0.13	
204	2011	2011	3	19	0.37	
204	2011	2011	3	20	2.78	
204	2011	2011	3	21	0.80	
204	2011	2011	3	23	0.01	
204	2011	2011	3	24	0.17	
204	2011	2011	3	25	0.28	
204	2011	2011	3	27	0.07	
204	2011	2011	3	28	0.01	
204	2011	2011	4	8	0.02	
204	2011	2011	4	9	0.08	
204	2011	2011	4	10	0.01	

station id	water year	year	month	day	daily rain	code
204	2011	2011	4	21	0.02	
204	2011	2011	4	22	0.01	
204	2011	2011	5	15	0.02	
204	2011	2011	5	17	0.08	
204	2011	2011	5	18	0.09	
204	2011	2011	5	19	0.01	
204	2011	2011	6	5	0.03	
204	2011	2011	6	6	0.22	
204	2011	2011	6	7	0.01	
204	2012	2011	9	11	0.03	
204	2012	2011	9	12	0.01	
204	2012	2011	10	4	0.06	
204	2012	2011	10	5	0.31	
204	2012	2011	10	6	0.27	
204	2012	2011	11	4	0.11	
204	2012	2011	11	6	0.19	
204	2012	2011	11	12	0.47	
204	2012	2011	11	20	0.91	
204	2012	2011	11	21	0.44	
204	2012	2011	12	12	0.02	
204	2012	2011	12	13	0.16	
204	2012	2012	1	21	0.74	
204	2012	2012	1	23	0.42	
204	2012	2012	1	24	0.38	
204	2012	2012	2	7	0.02	
204	2012	2012	2	11	0.03	
204	2012	2012	2	12	0.01	
204	2012	2012	2	13	0.01	
204	2012	2012	2	14	0.18	
204	2012	2012	2	15	0.05	
204	2012	2012	3	11	0.03	
204	2012	2012	3	12	0.01	
204	2012	2012	3	17	0.96	
204	2012	2012	3	18	0.88	
204	2012	2012	3	19	0.09	
204	2012	2012	3	25	0.51	
204	2012	2012	3	26	0.30	
204	2012	2012	3	29	0.01	
204	2012	2012	4	1	0.17	
204	2012	2012	4	11	0.82	
204	2012	2012	4	12	0.01	
204	2012	2012	4	13	1.27	
204	2012	2012	4	14	0.37	
204	2012	2012	4	25	0.04	
204	2012	2012	4	26	0.24	
204	2012	2012	4	27	0.03	
204	2013	2012	10	23	0.07	
204	2013	2012	11	9	0.01	
204	2013	2012	11	10	0.06	
204	2013	2012	11	16	0.01	
204	2013	2012	11	17	0.47	

station id	water year	year	month	day	daily rain	code
204	2013	2012	11	18	0.14	
204	2013	2012	11	19	0.02	
204	2013	2012	11	30	0.02	
204	2013	2012	12	1	0.14	
204	2013	2012	12	2	0.10	
204	2013	2012	12	3	0.61	
204	2013	2012	12	6	0.01	
204	2013	2012	12	13	0.13	
204	2013	2012	12	15	0.02	
204	2013	2012	12	16	0.11	
204	2013	2012	12	18	0.18	
204	2013	2012	12	22	0.05	
204	2013	2012	12	23	0.14	
204	2013	2012	12	24	0.60	
204	2013	2012	12	26	0.22	
204	2013	2012	12	27	0.01	
204	2013	2012	12	29	0.35	
204	2013	2012	12	30	0.27	
204	2013	2012	12	31	0.01	
204	2013	2013	1	6	0.39	
204	2013	2013	1	7	0.18	
204	2013	2013	1	25	0.10	
204	2013	2013	1	26	0.13	
204	2013	2013	1	28	0.03	
204	2013	2013	2	8	0.27	
204	2013	2013	2	9	0.23	
204	2013	2013	2	13	0.01	
204	2013	2013	2	16	0.01	
204	2013	2013	2	20	0.14	
204	2013	2013	3	6	0.02	
204	2013	2013	3	7	0.15	
204	2013	2013	3	8	0.74	
204	2013	2013	3	9	0.01	
204	2013	2013	3	31	0.06	
204	2013	2013	4	1	0.03	
204	2013	2013	4	2	0.02	
204	2013	2013	4	4	0.01	
204	2013	2013	4	8	0.02	
204	2013	2013	5	6	0.01	
204	2014	2013	10	28	0.08	
204	2014	2013	10	29	0.20	
204	2014	2013	10	31	0.01	
204	2014	2013	11	20	0.01	
204	2014	2013	11	21	0.22	
204	2014	2013	11	29	0.24	
204	2014	2013	11	30	0.01	
204	2014	2013	12	7	0.20	
204	2014	2013	12	20	0.01	
204	2014	2014	2	3	0.48	
204	2014	2014	2	4	0.01	

station id	water year	year	month	day	daily rain	code
204	2014	2014	2	7	0.36	
204	2014	2014	2	8	0.01	
204	2014	2014	2	9	0.03	
204	2014	2014	2	10	0.01	
204	2014	2014	2	11	0.01	
204	2014	2014	2	27	0.35	
204	2014	2014	2	28	1.25	
204	2014	2014	3	1	1.20	
204	2014	2014	3	2	0.46	
204	2014	2014	3	4	0.01	
204	2014	2014	3	26	0.09	
204	2014	2014	3	27	0.09	
204	2014	2014	3	30	0.13	
204	2014	2014	4	1	0.43	
204	2014	2014	4	2	0.20	
204	2014	2014	4	3	0.02	
204	2014	2014	4	10	0.01	
204	2014	2014	4	26	0.11	
204	2014	2014	4	27	0.01	
204	2015	2014	10	13	0.01	
204	2015	2014	11	1	0.94	
204	2015	2014	11	2	0.11	
204	2015	2014	11	14	0.01	
204	2015	2014	11	15	0.01	
204	2015	2014	11	21	0.01	
204	2015	2014	11	22	0.01	
204	2015	2014	12	2	0.24	
204	2015	2014	12	3	0.56	
204	2015	2014	12	7	0.01	
204	2015	2014	12	9	0.02	
204	2015	2014	12	12	1.95	
204	2015	2014	12	13	0.02	
204	2015	2014	12	16	0.26	
204	2015	2014	12	17	0.51	
204	2015	2014	12	18	0.01	
204	2015	2014	12	19	0.01	
204	2015	2014	12	25	0.01	
204	2015	2015	1	11	0.79	
204	2015	2015	1	12	0.01	
204	2015	2015	1	14	0.01	
204	2015	2015	1	20	0.01	
204	2015	2015	1	21	0.01	
204	2015	2015	1	27	0.20	
204	2015	2015	1	31	0.01	
204	2015	2015	2	6	0.01	
204	2015	2015	2	7	0.04	
204	2015	2015	2	8	0.27	

station id	water year	year	month	day	daily rain	code
204	2015	2015	2	9	0.23	
204	2015	2015	2	23	0.41	
204	2015	2015	2	24	0.01	
204	2015	2015	3	1	0.02	
204	2015	2015	3	2	0.04	
204	2015	2015	3	3	0.33	
204	2015	2015	3	5	0.01	
204	2015	2015	4	8	0.17	
204	2015	2015	4	26	0.15	
204	2015	2015	5	15	0.06	
204	2015	2015	6	10	0.08	
204	2015	2015	7	19	0.05	
204	2015	2015	7	20	0.02	
204	2015	2015	8	1	0.01	
204	2016	2015	9	15	0.05	
204	2016	2015	10	5	0.03	
204	2016	2015	10	15	0.08	
204	2016	2015	10	16	0.01	
204	2016	2015	11	3	0.26	
204	2016	2015	11	9	0.10	
204	2016	2015	11	10	0.14	
204	2016	2015	11	16	0.20	
204	2016	2015	11	25	0.05	
204	2016	2015	12	11	0.30	
204	2016	2015	12	12	0.12	
204	2016	2015	12	14	0.18	
204	2016	2015	12	20	0.45	
204	2016	2015	12	21	0.01	
204	2016	2015	12	22	0.51	
204	2016	2015	12	23	0.07	
204	2016	2015	12	25	0.04	
204	2016	2015	12	28	0.03	
204	2016	2016	1	5	0.49	
204	2016	2016	1	6	0.68	
204	2016	2016	1	7	1.13	
204	2016	2016	1	8	0.02	
204	2016	2016	1	10	0.02	
204	2016	2016	1	11	0.15	
204	2016	2016	1	13	0.01	
204	2016	2016	1	14	0.05	
204	2016	2016	1	15	0.01	
204	2016	2016	1	16	0.02	
204	2016	2016	1	17	0.01	
204	2016	2016	1	18	0.04	
204	2016	2016	1	19	0.02	
204	2016	2016	1	20	0.57	
204	2016	2016	1	22	0.01	

station id	water year	year	month	day	daily rain	code
204	2016	2016	1	23	0.08	
204	2016	2016	1	25	0.01	
204	2016	2016	1	30	0.01	
204	2016	2016	1	31	0.18	
204	2016	2016	2	1	0.74	
204	2016	2016	2	2	0.01	
204	2016	2016	2	18	0.49	
204	2016	2016	2	19	0.01	
204	2016	2016	2	22	0.01	
204	2016	2016	3	5	0.04	
204	2016	2016	3	6	0.78	
204	2016	2016	3	7	0.85	
204	2016	2016	3	8	0.62	
204	2016	2016	3	11	0.01	
204	2016	2016	3	12	0.65	
204	2016	2016	3	14	0.18	
204	2016	2016	3	16	0.01	
204	2016	2016	3	20	0.01	
204	2016	2016	4	8	0.12	
204	2016	2016	4	9	0.20	
204	2016	2016	4	10	0.79	
204	2016	2016	4	23	0.02	
204	2016	2016	5	6	0.02	
204	2016	2016	5	7	0.09	
204	2017	2016	10	16	0.19	
204	2017	2016	10	17	0.30	
204	2017	2016	10	28	0.66	
204	2017	2016	10	29	0.16	
204	2017	2016	10	30	0.03	
204	2017	2016	10	31	0.11	
204	2017	2016	11	1	0.01	
204	2017	2016	11	17	0.01	
204	2017	2016	11	21	1.02	
204	2017	2016	11	22	0.01	
204	2017	2016	11	24	0.01	
204	2017	2016	11	27	0.64	
204	2017	2016	11	28	0.14	
204	2017	2016	11	29	0.01	
204	2017	2016	12	8	0.01	
204	2017	2016	12	9	0.43	
204	2017	2016	12	10	0.01	
204	2017	2016	12	11	0.02	
204	2017	2016	12	15	0.01	
204	2017	2016	12	16	1.11	
204	2017	2016	12	24	1.00	
204	2017	2016	12	27	0.01	
204	2017	2016	12	30	0.02	

station id	water year	year	month	day	daily rain	code
204	2017	2016	12	31	0.06	
204	2017	2017	1	1	0.09	
204	2017	2017	1	5	0.29	
204	2017	2017	1	6	0.01	
204	2017	2017	1	7	0.21	
204	2017	2017	1	8	0.49	
204	2017	2017	1	9	1.65	
204	2017	2017	1	10	0.09	
204	2017	2017	1	11	0.51	
204	2017	2017	1	12	0.17	
204	2017	2017	1	13	0.12	
204	2017	2017	1	14	0.01	
204	2017	2017	1	16	0.01	
204	2017	2017	1	19	0.77	
204	2017	2017	1	20	0.33	
204	2017	2017	1	21	1.03	
204	2017	2017	1	22	0.39	
204	2017	2017	1	23	0.66	
204	2017	2017	1	24	0.30	
204	2017	2017	1	26	0.01	
204	2017	2017	1	29	0.01	
204	2017	2017	2	2	0.02	
204	2017	2017	2	3	0.12	
204	2017	2017	2	4	0.16	
204	2017	2017	2	5	0.01	
204	2017	2017	2	6	0.91	
204	2017	2017	2	7	0.06	
204	2017	2017	2	8	0.47	
204	2017	2017	2	9	0.01	
204	2017	2017	2	10	0.12	
204	2017	2017	2	11	0.51	
204	2017	2017	2	12	0.16	
204	2017	2017	2	14	0.01	
204	2017	2017	2	17	0.97	
204	2017	2017	2	18	2.22	
204	2017	2017	2	19	0.21	
204	2017	2017	2	20	0.55	
204	2017	2017	2	21	0.08	
204	2017	2017	2	22	0.01	
204	2017	2017	2	26	0.11	
204	2017	2017	2	27	0.02	
204	2017	2017	2	28	0.10	
204	2017	2017	3	1	0.01	
204	2017	2017	3	5	0.02	
204	2017	2017	3	6	0.20	
204	2017	2017	3	21	0.19	
204	2017	2017	3	22	0.19	

station id	water year	year	month	day	daily rain	code
204	2017	2017	3	23	0.08	
204	2017	2017	3	25	0.15	
204	2017	2017	3	26	0.01	
204	2017	2017	3	27	0.01	
204	2017	2017	4	8	0.14	
204	2017	2017	4	14	0.04	
204	2017	2017	4	17	0.07	
204	2017	2017	4	18	0.22	
204	2017	2017	4	19	0.12	
204	2017	2017	4	20	0.01	
204	2017	2017	5	7	0.34	
204	2017	2017	5	8	0.05	
204	2017	2017	5	9	0.01	
204	2018	2017	9	4	0.33	
204	2018	2017	9	11	0.33	
204	2018	2017	9	12	0.01	
204	2018	2017	11	3	0.02	
204	2018	2017	11	6	0.01	
204	2018	2017	11	17	0.01	
204	2018	2017	11	18	0.01	
204	2018	2017	11	27	0.06	
204	2018	2017	12	21	0.02	
204	2018	2018	1	4	0.09	
204	2018	2018	1	5	0.01	
204	2018	2018	1	6	0.01	
204	2018	2018	1	8	0.02	
204	2018	2018	1	9	2.05	
204	2018	2018	1	10	0.05	
204	2018	2018	1	12	0.01	
204	2018	2018	1	19	0.02	
204	2018	2018	1	23	0.01	
204	2018	2018	1	25	0.03	
204	2018	2018	1	27	0.01	
204	2018	2018	2	27	0.17	
204	2018	2018	2	28	0.01	
204	2018	2018	3	2	0.45	
204	2018	2018	3	3	0.14	
204	2018	2018	3	4	0.13	
204	2018	2018	3	11	0.63	
204	2018	2018	3	13	0.01	
204	2018	2018	3	14	0.20	
204	2018	2018	3	15	0.18	
204	2018	2018	3	17	0.20	
204	2018	2018	3	20	0.01	
204	2018	2018	3	21	0.99	
204	2018	2018	3	22	1.69	
204	2018	2018	3	23	0.90	

station id	water year	year	month	day	daily rain	code
204	2018	2018	4	8	0.09	
204	2018	2018	4	16	0.02	
204	2018	2018	4	17	0.04	
204	2018	2018	4	19	0.16	
204	2019	2018	10	3	0.23	
204	2019	2018	10	4	0.11	
204	2019	2018	11	22	0.50	
204	2019	2018	11	23	0.01	
204	2019	2018	11	24	0.08	
204	2019	2018	11	25	0.01	
204	2019	2018	11	29	0.76	
204	2019	2018	11	30	0.71	
204	2019	2018	12	1	0.01	
204	2019	2018	12	2	0.04	
204	2019	2018	12	5	0.08	
204	2019	2018	12	6	0.01	
204	2019	2018	12	7	0.12	
204	2019	2018	12	9	0.01	
204	2019	2018	12	12	0.01	
204	2019	2018	12	17	0.20	
204	2019	2018	12	19	0.01	
204	2019	2018	12	25	0.38	
204	2019	2018	12	26	0.01	
204	2019	2019	1	6	1.02	
204	2019	2019	1	7	0.74	
204	2019	2019	1	9	0.01	
204	2019	2019	1	10	0.24	
204	2019	2019	1	11	0.01	
204	2019	2019	1	12	1.32	
204	2019	2019	1	14	0.04	
204	2019	2019	1	15	0.33	
204	2019	2019	1	16	0.34	
204	2019	2019	1	17	1.28	
204	2019	2019	1	18	0.03	
204	2019	2019	1	20	0.01	
204	2019	2019	1	21	0.12	
204	2019	2019	1	31	0.94	
204	2019	2019	2	1	0.08	
204	2019	2019	2	2	1.51	
204	2019	2019	2	3	1.17	
204	2019	2019	2	4	0.59	
204	2019	2019	2	5	0.44	
204	2019	2019	2	6	0.01	
204	2019	2019	2	7	0.01	
204	2019	2019	2	9	0.24	
204	2019	2019	2	10	0.07	
204	2019	2019	2	11	0.18	

station id	water year	year	month	day	daily rain	code
204	2019	2019	2	13	0.01	
204	2019	2019	2	14	0.41	
204	2019	2019	2	15	0.35	
204	2019	2019	2	16	0.35	
204	2019	2019	2	17	0.19	
204	2019	2019	2	18	0.29	
204	2019	2019	2	21	0.04	
204	2019	2019	2	22	0.12	
204	2019	2019	2	23	0.01	
204	2019	2019	2	27	0.08	
204	2019	2019	2	28	0.15	
204	2019	2019	3	2	0.95	
204	2019	2019	3	3	0.10	
204	2019	2019	3	4	0.08	
204	2019	2019	3	5	0.01	
204	2019	2019	3	6	1.09	
204	2019	2019	3	7	0.09	
204	2019	2019	3	8	0.06	
204	2019	2019	3	10	0.01	
204	2019	2019	3	11	0.01	
204	2019	2019	3	20	0.10	
204	2019	2019	3	21	0.09	
204	2019	2019	3	23	0.01	
204	2019	2019	3	24	0.03	
204	2019	2019	3	25	0.01	
204	2019	2019	3	27	0.03	
204	2019	2019	3	28	0.01	
204	2019	2019	4	3	0.01	
204	2019	2019	4	4	0.01	
204	2019	2019	4	16	0.02	
204	2019	2019	4	17	0.01	
204	2019	2019	4	29	0.09	
204	2019	2019	5	7	0.04	
204	2019	2019	5	11	0.03	
204	2019	2019	5	16	0.33	
204	2019	2019	5	17	0.05	
204	2019	2019	5	19	0.47	
204	2019	2019	5	20	0.06	
204	2019	2019	5	21	0.02	
204	2019	2019	5	22	0.01	
204	2019	2019	5	26	0.02	
204	2019	2019	5	27	0.04	
204	2019	2019	6	21	0.02	
204	2019	2019	8	11	0.01	
204	2019	2019	8	24	0.01	
204	2020	2019	11	9	0.01	
204	2020	2019	11	12	0.01	

station id	water year	year	month	day	daily rain	code
204	2020	2019	11	20	0.05	
204	2020	2019	11	23	0.01	
204	2020	2019	11	27	0.78	
204	2020	2019	11	28	0.40	
204	2020	2019	11	29	0.11	
204	2020	2019	12	1	0.50	
204	2020	2019	12	4	0.42	
204	2020	2019	12	5	0.05	
204	2020	2019	12	7	0.01	
204	2020	2019	12	8	0.19	
204	2020	2019	12	9	0.11	
204	2020	2019	12	11	0.01	
204	2020	2019	12	14	0.01	
204	2020	2019	12	23	1.33	
204	2020	2019	12	24	0.50	
204	2020	2019	12	26	1.12	
204	2020	2019	12	28	0.01	
204	2020	2019	12	30	0.36	
204	2020	2020	1	1	0.01	
204	2020	2020	1	10	0.08	
204	2020	2020	1	12	0.01	
204	2020	2020	1	16	0.01	
204	2020	2020	1	17	0.42	
204	2020	2020	1	21	0.04	
204	2020	2020	1	24	0.01	
204	2020	2020	1	28	0.01	
204	2020	2020	2	9	0.01	
204	2020	2020	2	18	0.01	
204	2020	2020	3	2	0.08	
204	2020	2020	3	10	0.05	
204	2020	2020	3	11	1.29	
204	2020	2020	3	12	0.60	
204	2020	2020	3	14	0.02	
204	2020	2020	3	15	0.10	
204	2020	2020	3	16	1.16	
204	2020	2020	3	17	1.21	
204	2020	2020	3	18	0.01	
204	2020	2020	3	19	0.01	
204	2020	2020	3	20	0.17	
204	2020	2020	3	23	0.70	
204	2020	2020	3	24	0.02	
204	2020	2020	3	25	0.03	
204	2020	2020	3	26	0.05	
204	2020	2020	3	27	0.08	
204	2020	2020	4	6	1.97	
204	2020	2020	4	8	0.33	
204	2020	2020	4	9	0.32	

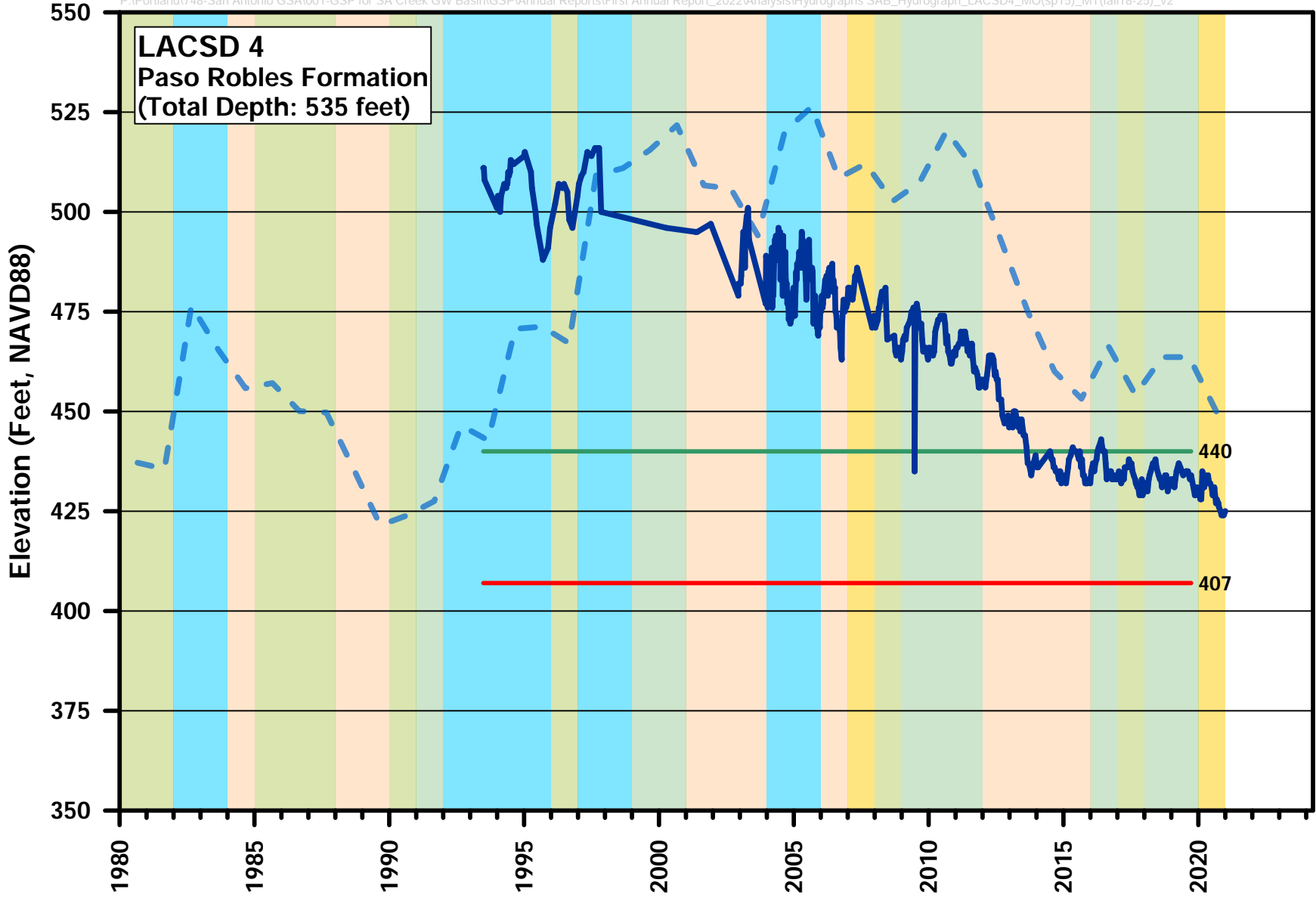
station id	water year	year	month	day	daily rain	code
204	2020	2020	4	10	0.18	
204	2020	2020	4	11	0.01	
204	2020	2020	4	17	0.01	
204	2020	2020	5	12	0.03	
204	2020	2020	5	13	0.01	
204	2020	2020	5	18	0.03	
204	2020	2020	5	19	0.02	
204	2020	2020	5	31	0.01	
204	2020	2020	6	5	0.03	
204	2020	2020	6	6	0.02	
204	2020	2020	8	14	0.01	
204	2020	2020	8	16	0.07	
204	2021	2020	9	14	0.01	
204	2021	2020	9	22	0.01	
204	2021	2020	10	21	0.01	
204	2021	2020	10	22	0.01	
204	2021	2020	11	7	0.27	
204	2021	2020	11	8	0.22	
204	2021	2020	11	9	0.04	
204	2021	2020	12	12	0.04	
204	2021	2020	12	14	0.02	
204	2021	2020	12	26	0.01	
204	2021	2020	12	27	0.03	
204	2021	2020	12	28	0.84	
204	2021	2020	12	29	1.06	
204	2021	2020	12	31	0.01	
204	2021	2021	1	8	0.01	
204	2021	2021	1	23	0.28	
204	2021	2021	1	24	0.01	
204	2021	2021	1	25	0.30	
204	2021	2021	1	26	0.07	
204	2021	2021	1	27	0.51	
204	2021	2021	1	28	1.29	
204	2021	2021	1	29	2.24	
204	2021	2021	1	30	0.09	
204	2021	2021	2	1	0.01	
204	2021	2021	2	4	0.01	
204	2021	2021	2	9	0.01	
204	2021	2021	2	12	0.11	
204	2021	2021	2	13	0.01	
204	2021	2021	2	17	0.01	
204	2021	2021	2	21	0.01	
204	2021	2021	3	5	0.01	
204	2021	2021	3	10	0.39	
204	2021	2021	3	11	0.22	
204	2021	2021	3	12	0.01	
204	2021	2021	3	15	0.16	

station id	water year	year	month	day	daily rain	code
204	2021	2021	3	17	0.01	
204	2021	2021	3	20	0.05	
204	2021	2021	3	21	0.01	
204	2021	2021	3	26	0.01	
204	2022	2021	10	8	0.02	PR
204	2022	2021	10	9	0.01	PR
204	2022	2021	10	23	0.01	PR
204	2022	2021	10	25	0.37	PR
204	2022	2021	10	26	0.65	PR
204	2022	2021	10	27	0.01	PR
204	2022	2021	11	1	0.00	PR

APPENDIX C

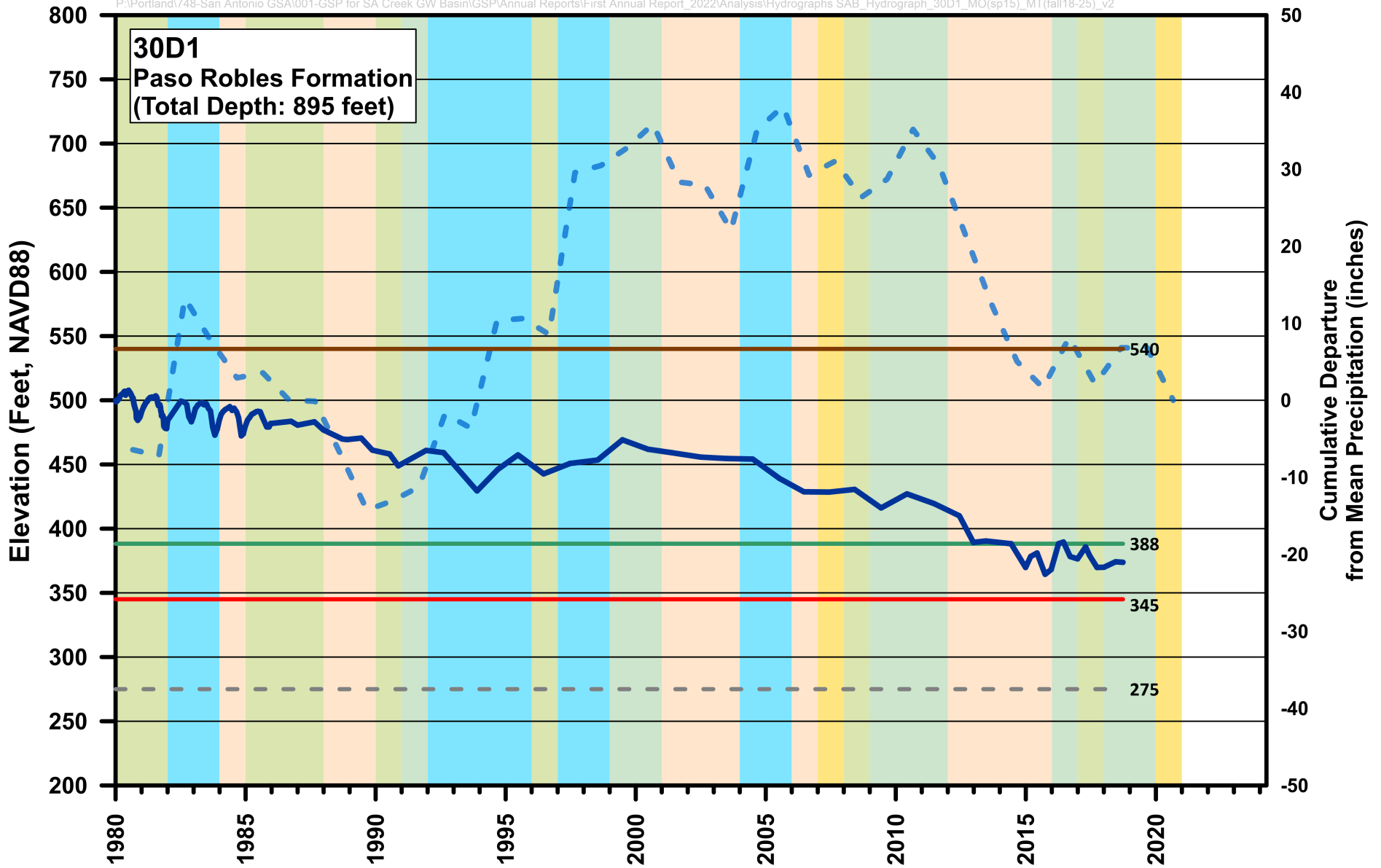
Representative Monitoring Site Hydrographs and Well Data

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- Groundwater Elevation
- Measureable Objective
- Minimum Threshold
- Cumulative Departure from Mean Precipitation
- Wet
- Above Normal
- Below Normal
- Dry
- Critical

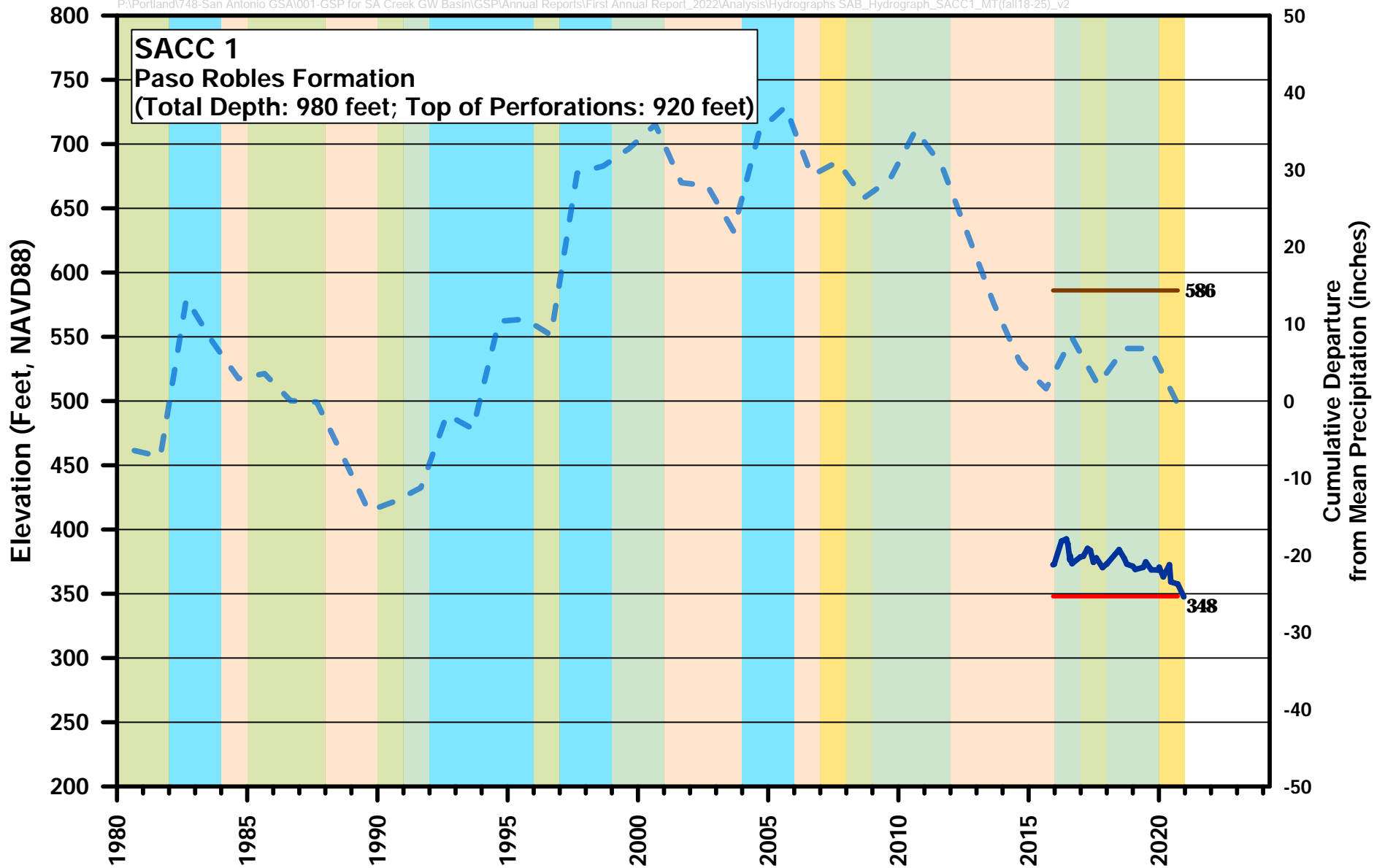
Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin



EXPLANATION AND WATER YEAR TYPE

- | | | |
|--------------------------|--|--------------|
| Ground Surface Elevation | Top of Perforated Interval | Below Normal |
| Groundwater Elevation | Cumulative Departure from Mean Precipitation | Dry |
| Measureable Objective | Wet | Critical |
| Minimum Threshold | Above Normal | |



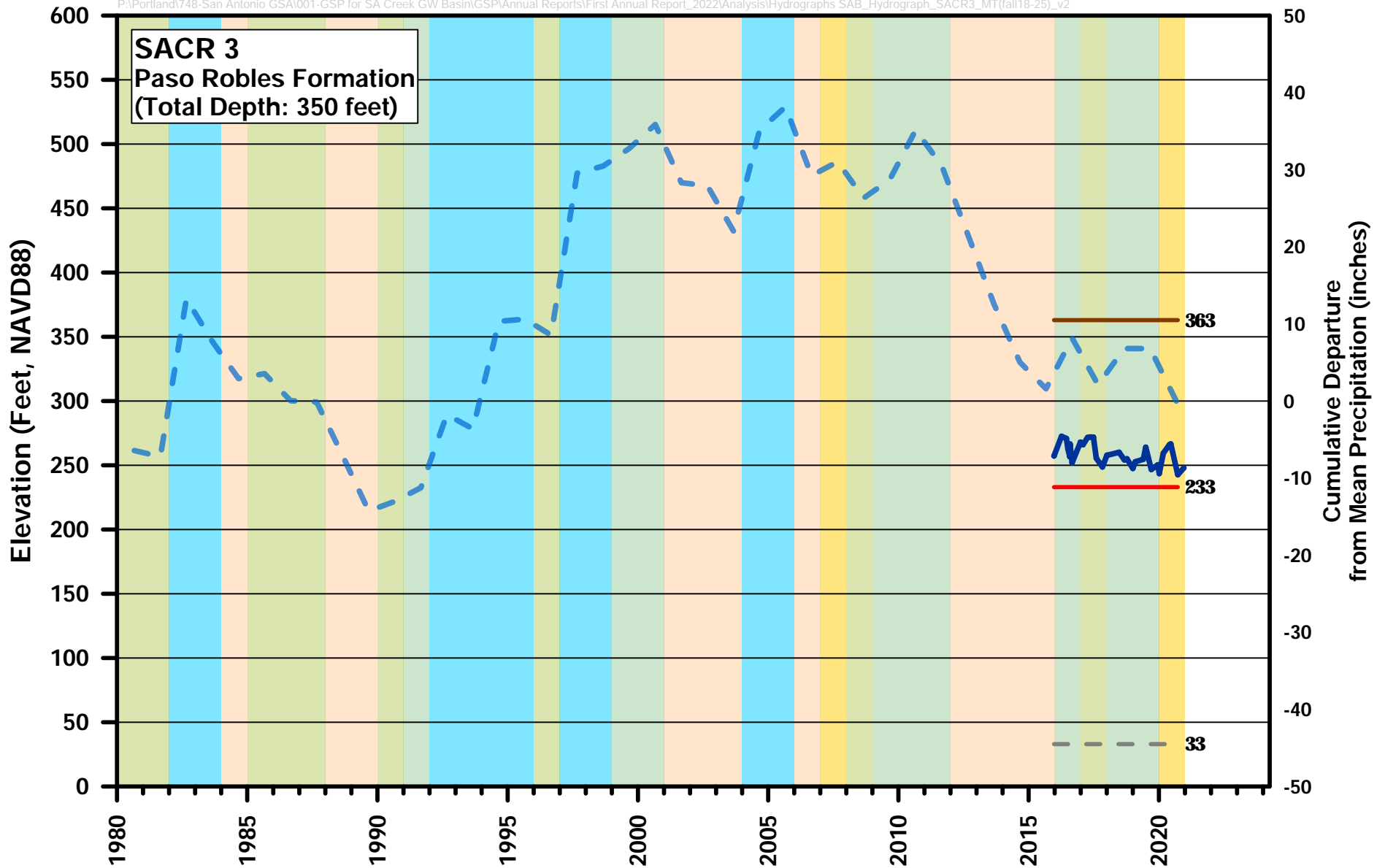


EXPLANATION AND WATER YEAR TYPE

- Ground Surface Elevation
- Above Normal
- Groundwater Elevation
- Below Normal
- Minimum Threshold
- Dry
- Cumulative Departure from Mean Precipitation
- Critical
- Wet



Groundwater Elevation Hydrograph
 San Antonio Creek Valley Groundwater Basin



SACR 3
Paso Robles Formation
(Total Depth: 350 feet)

EXPLANATION

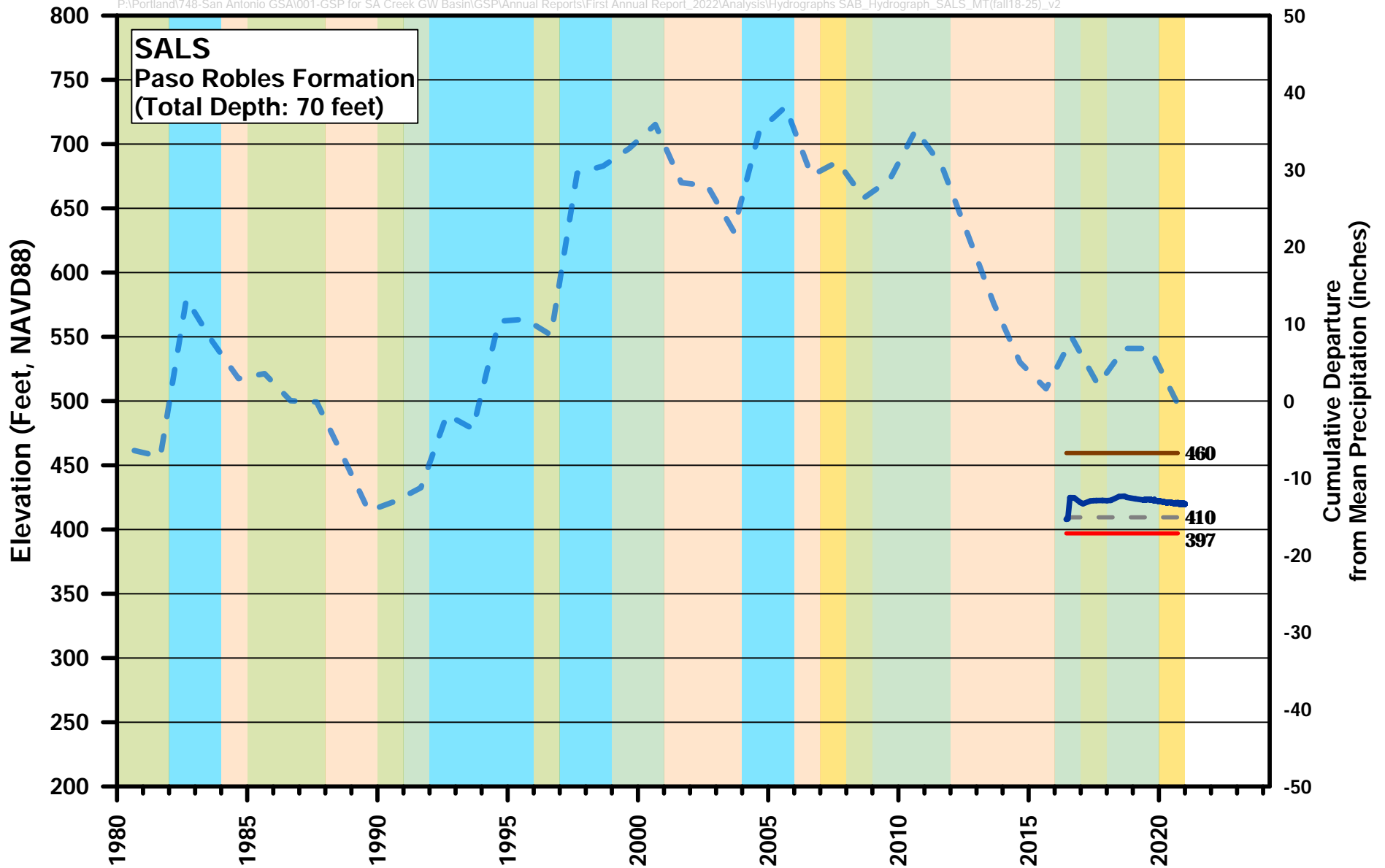
- Ground Surface Elevation
- Groundwater Elevation
- Minimum Threshold
- - - Top of Perforated Interval
- - - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical



Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin



EXPLANATION

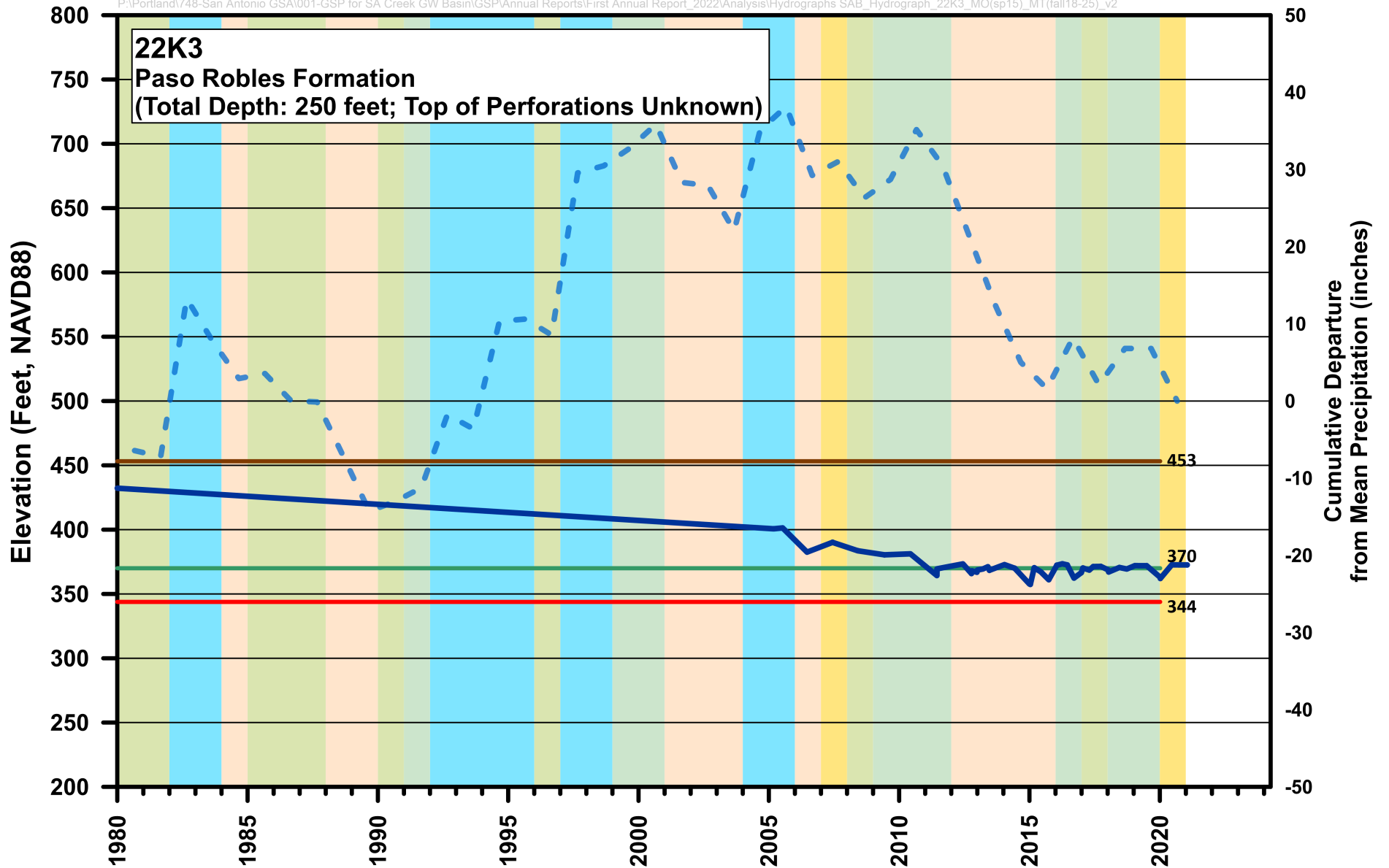
- Ground Surface Elevation
- Groundwater Elevation
- Minimum Threshold
- - Top of Perforated Interval
- - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical



**Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin**



EXPLANATION

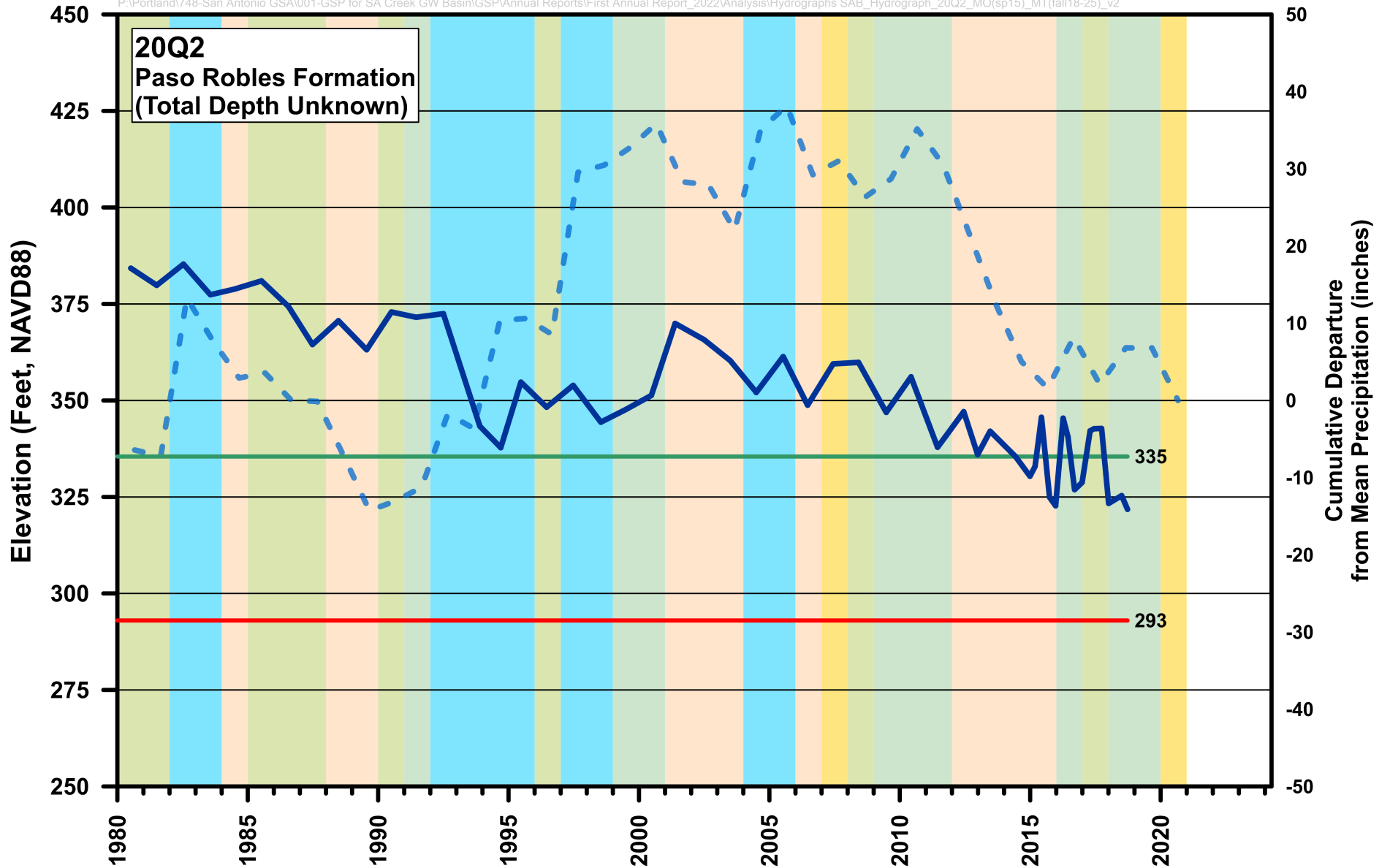
- Ground Surface Elevation
- Groundwater Elevation
- Measureable Objective
- Minimum Threshold
- - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical



**Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin**



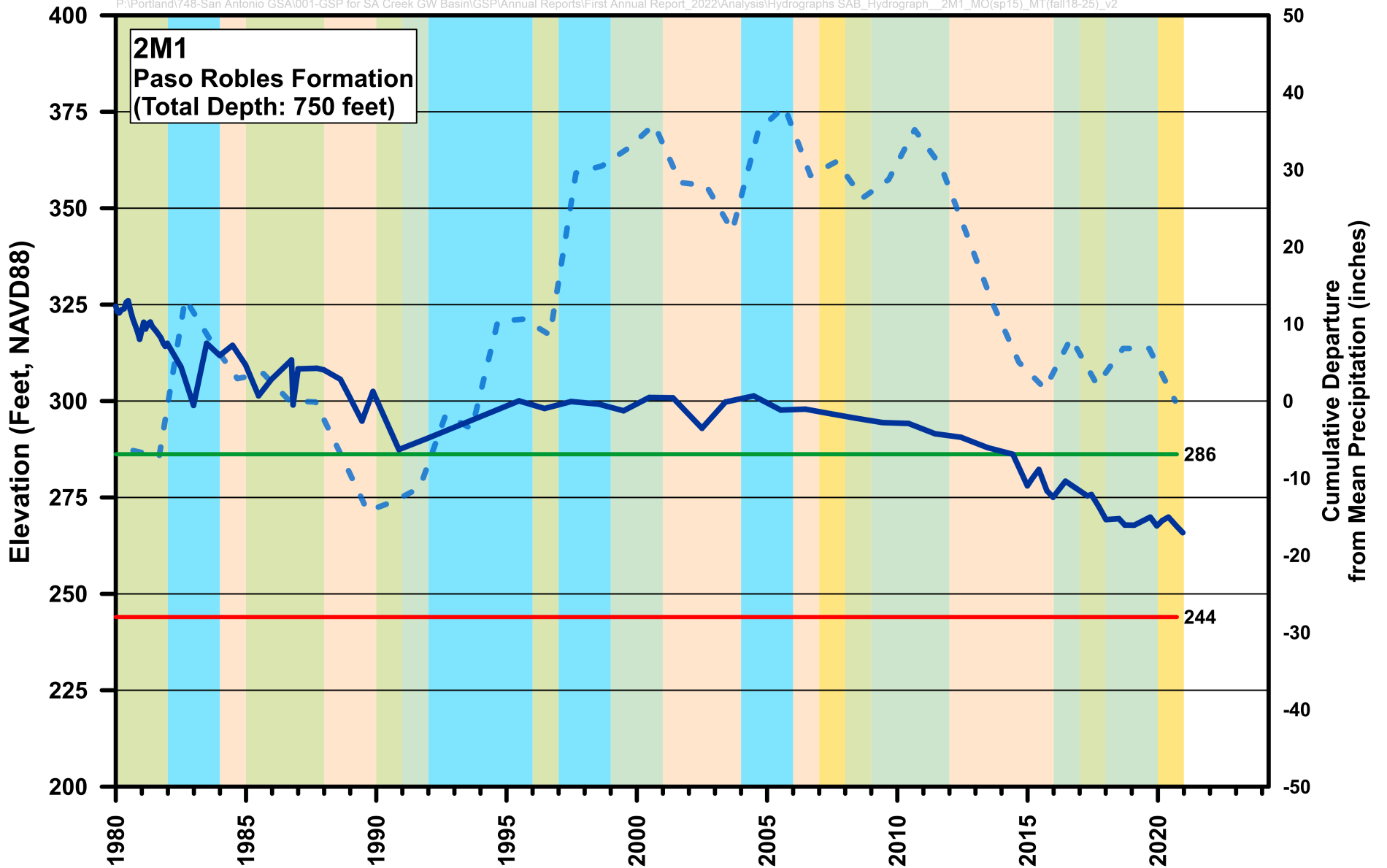
EXPLANATION

- Groundwater Elevation
- Measureable Objective
- Minimum Threshold
- - - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical





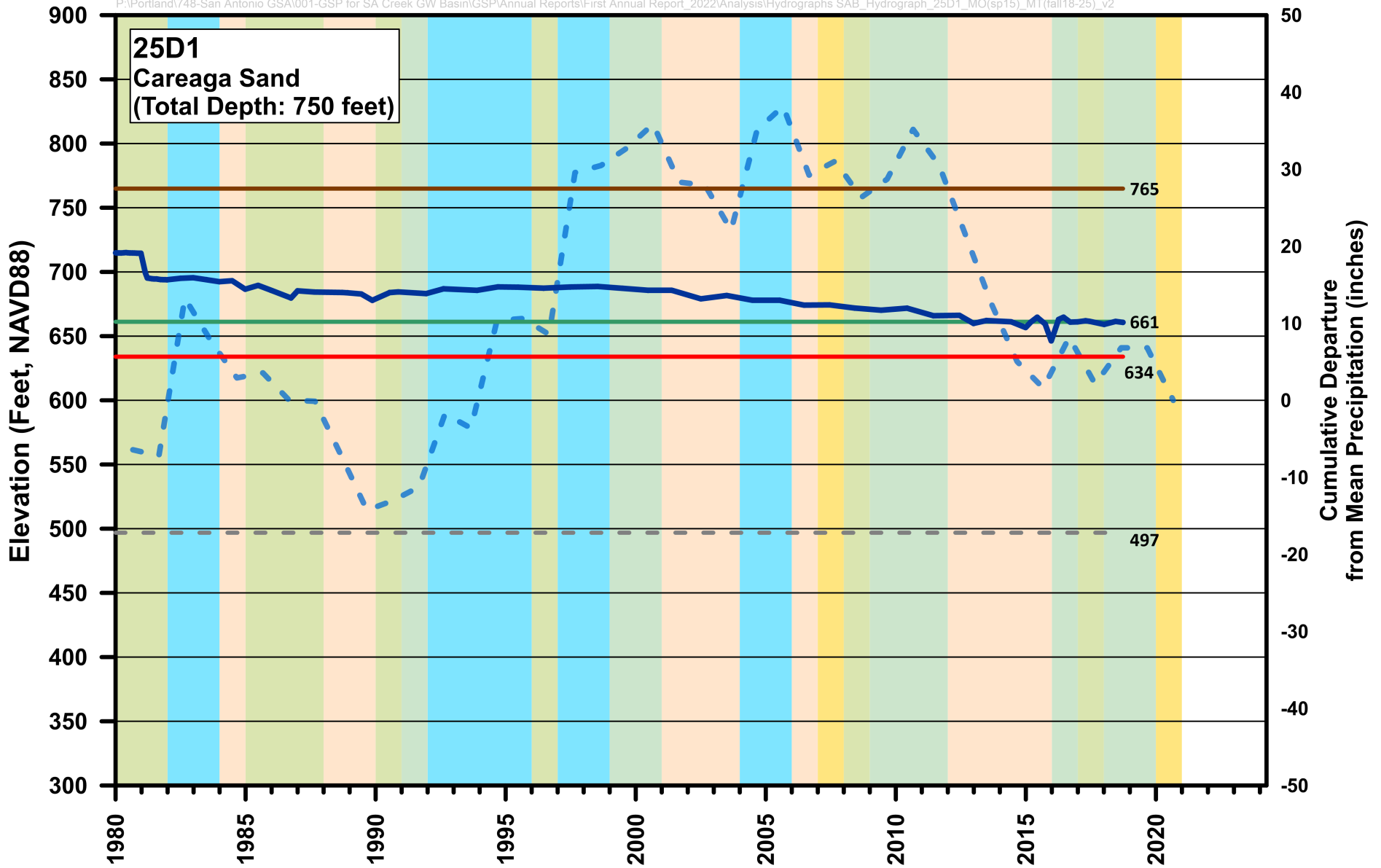
EXPLANATION

- Groundwater Elevation
- Measureable Objective
- Minimum Threshold
- - - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical

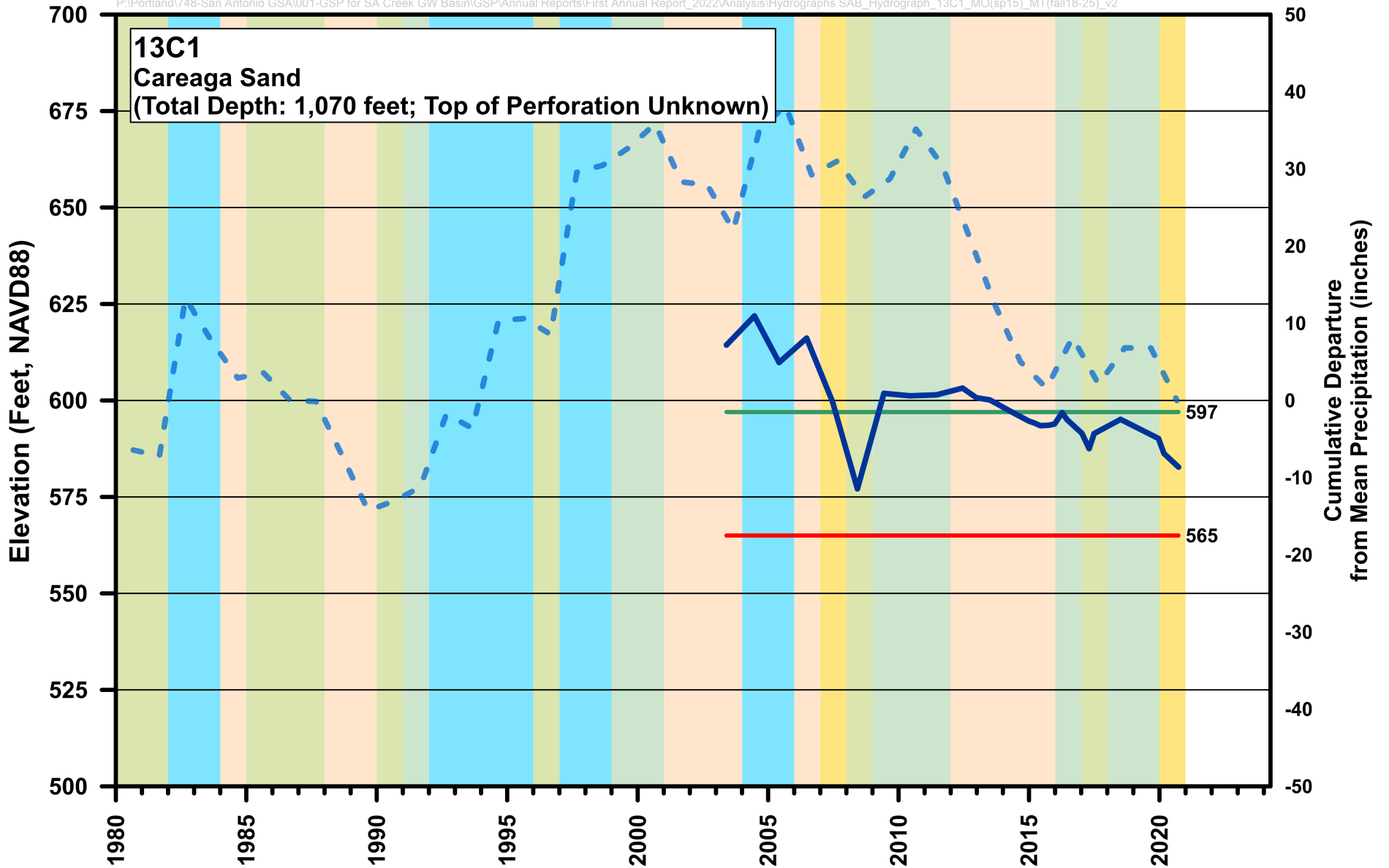




EXPLANATION AND WATER YEAR TYPE

- | | | |
|--------------------------|--|--------------|
| Ground Surface Elevation | Top of Perforated Interval | Below Normal |
| Groundwater Elevation | Cumulative Departure from Mean Precipitation | Dry |
| Measureable Objective | Wet | Critical |
| Minimum Threshold | Above Normal | |





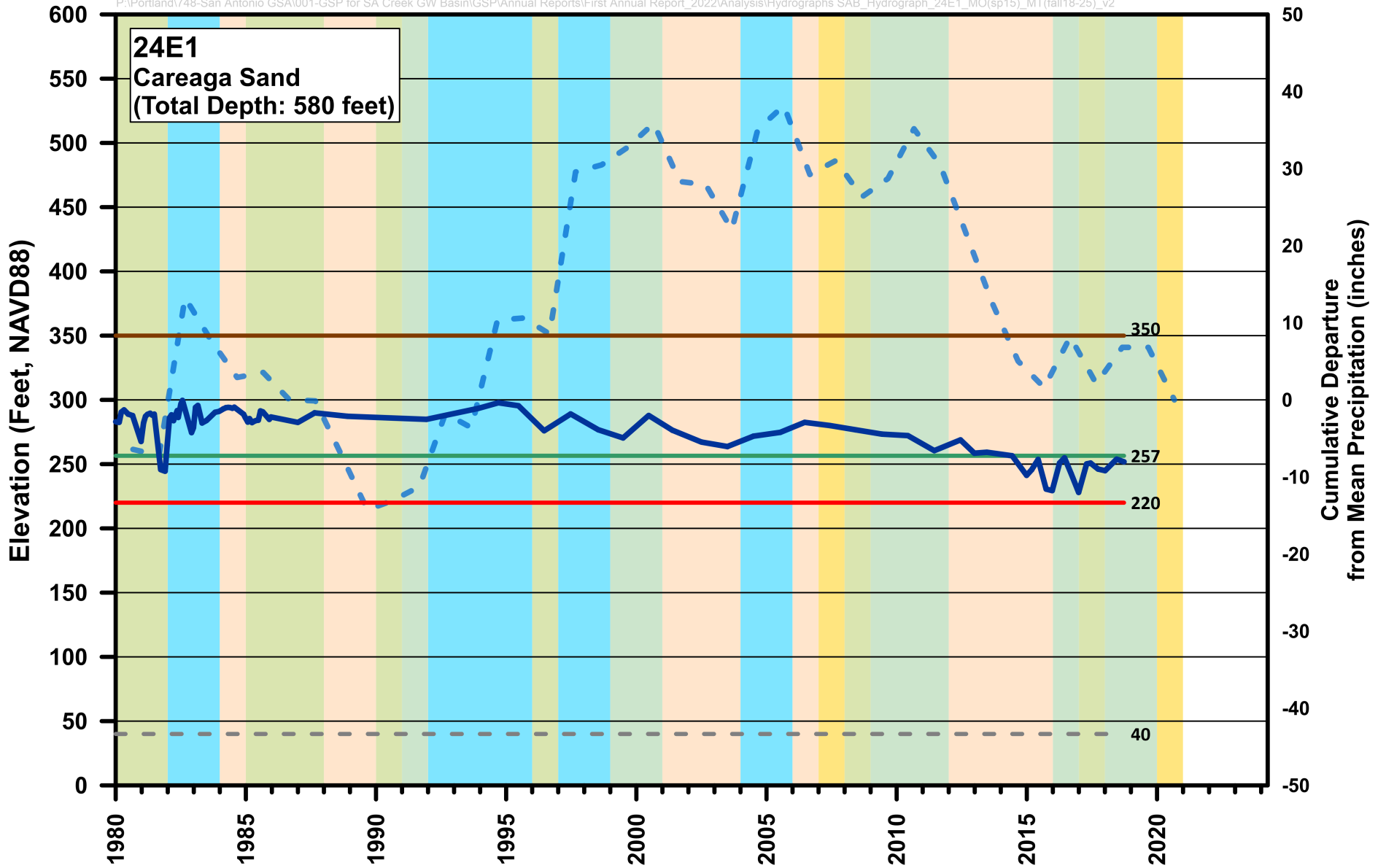
EXPLANATION

- Groundwater Elevation
- Measureable Objective
- Minimum Threshold
- - - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Dry
- Above Normal
- Critical
- Below Normal





EXPLANATION AND WATER YEAR TYPE

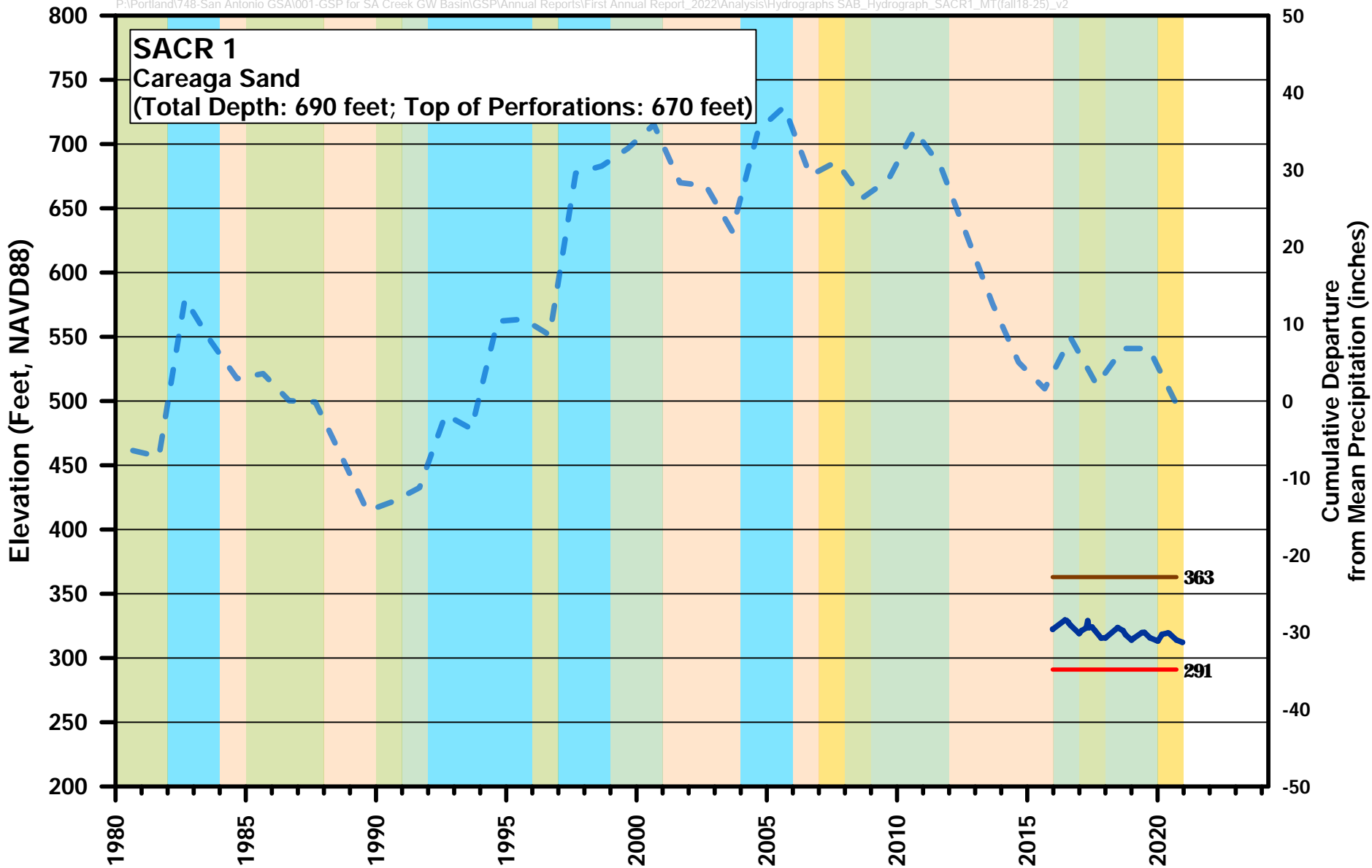
- Ground Surface Elevation
- Groundwater Elevation
- Measureable Objective
- Minimum Threshold

- - - Top of Perforated Interval
- - - Cumulative Departure from Mean Precipitation
- Wet
- Above Normal

- Below Normal
- Dry
- Critical



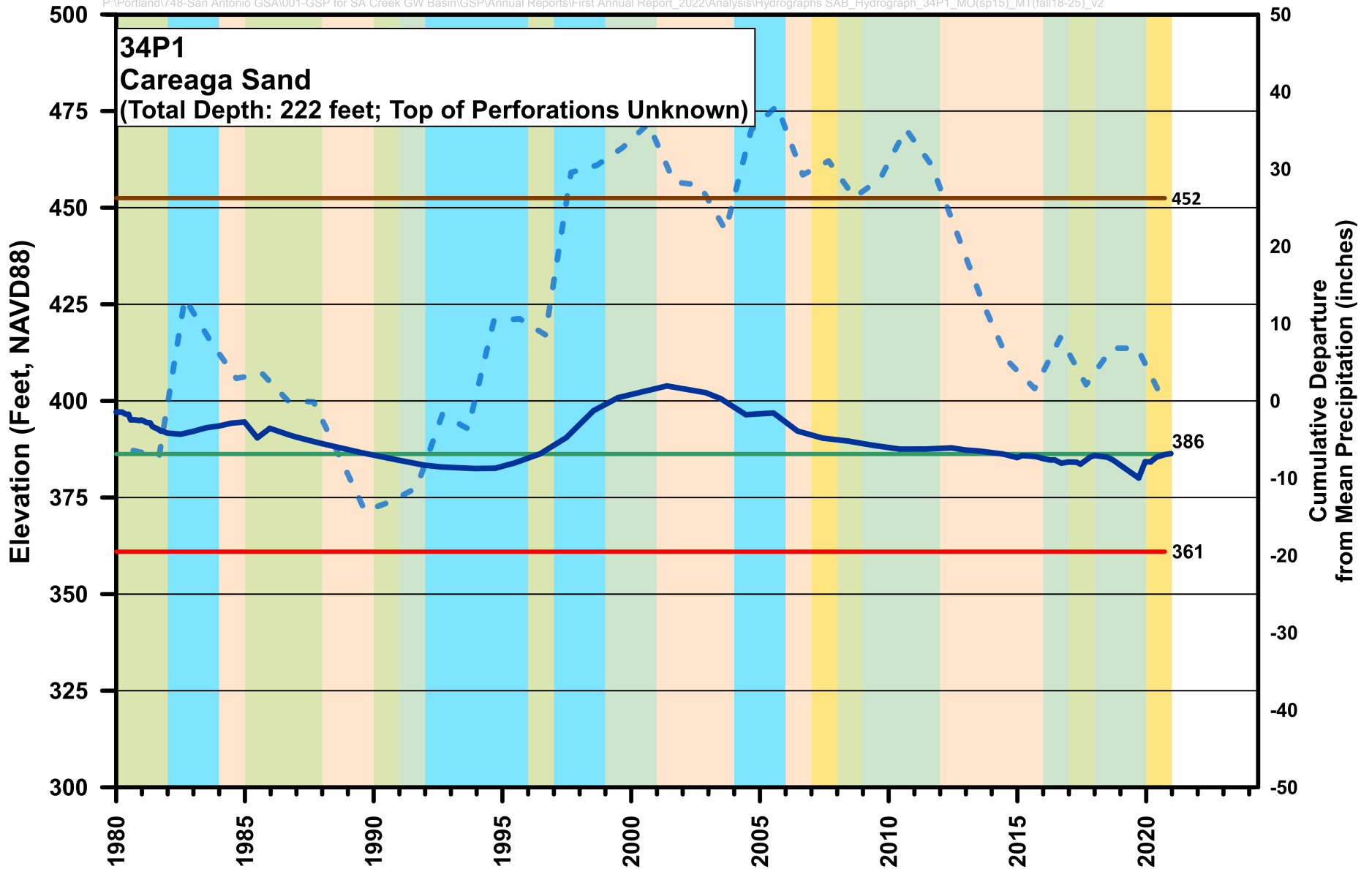
**Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin**



EXPLANATION AND WATER YEAR TYPE

- Ground Surface Elevation
- Groundwater Elevation
- Minimum Threshold
- Cumulative Departure from Mean Precipitation
- Wet
- Above Normal
- Below Normal
- Dry
- Critical





EXPLANATION

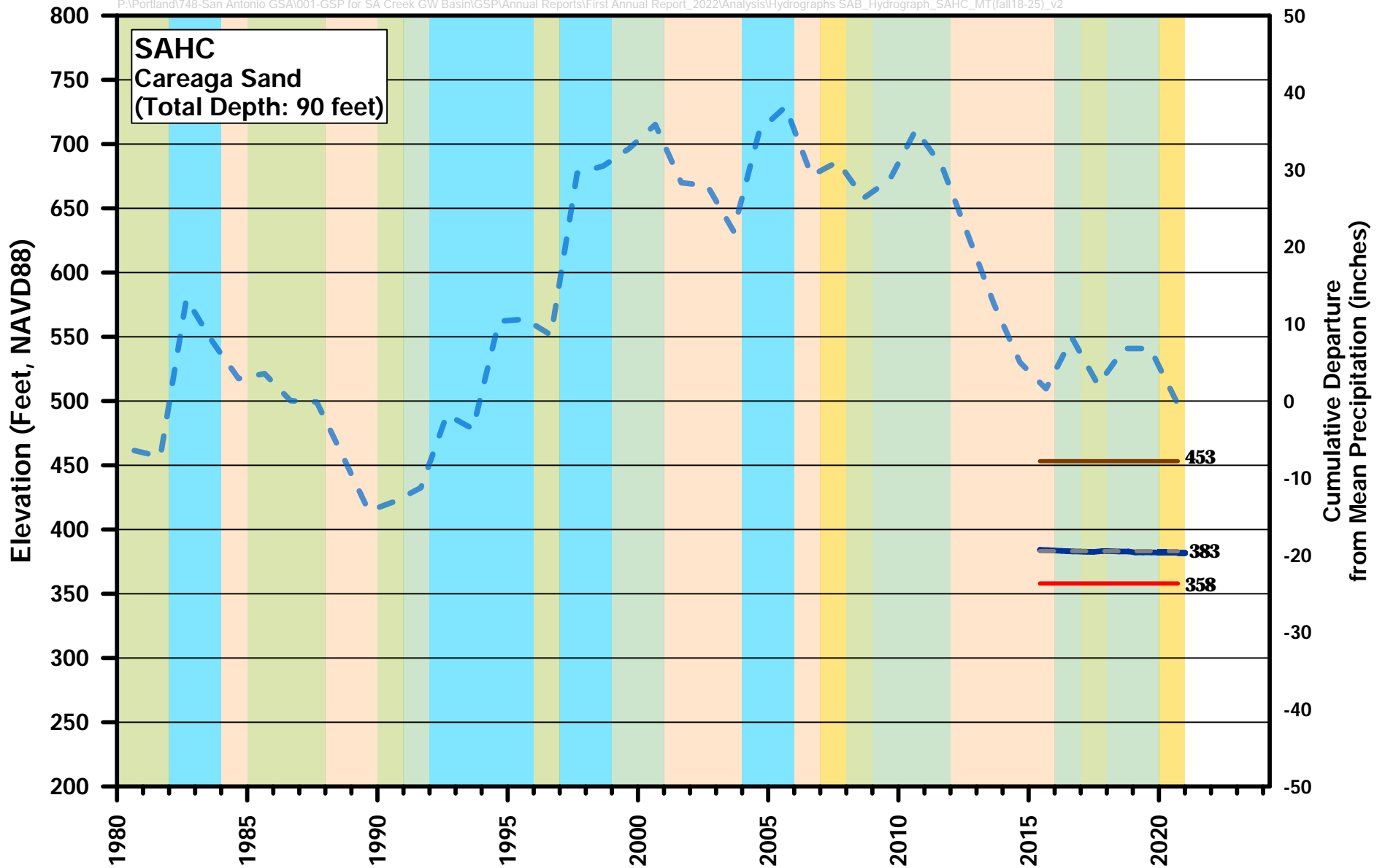
- Groundwater Elevation
- - - Cumulative Departure from Mean Precipitation
- Ground Surface Elevation
- Measureable Objective
- Minimum Threshold

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical



**Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin**



EXPLANATION

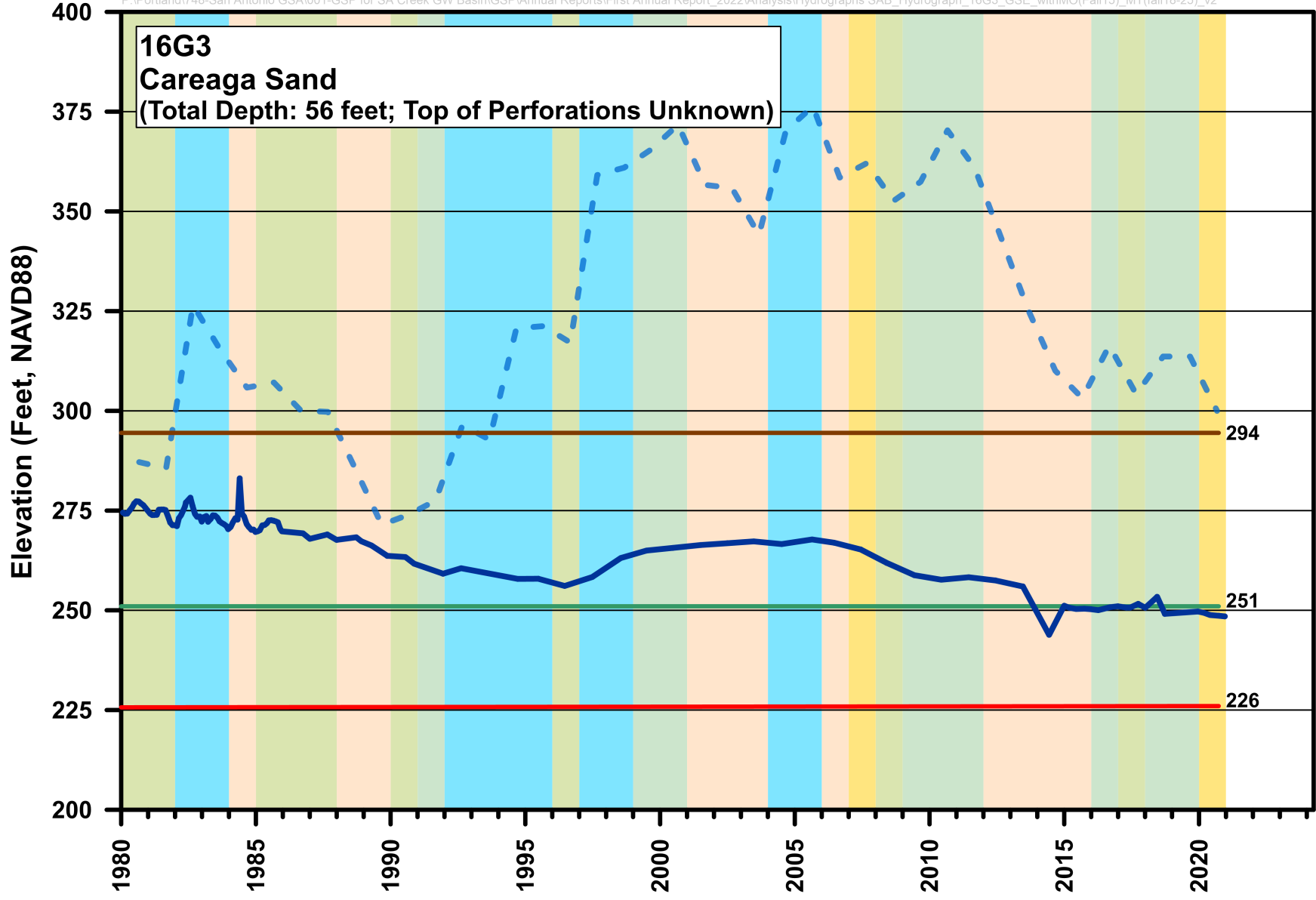
- Ground Surface Elevation
- Groundwater Elevation
- Minimum Threshold
- - Top of Perforated Interval
- - Cumulative Departure from Mean Precipitation

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical



**Groundwater Elevation Hydrograph
San Antonio Creek Valley Groundwater Basin**



EXPLANATION

- - - Cumulative Departure from Mean Precipitation
- Ground Surface Elevation
- Groundwater Elevation
- Measureable Objective
- Minimum Threshold

WATER YEAR TYPE

- Wet
- Above Normal
- Below Normal
- Dry
- Critical



Table C-1. Groundwater Level Monitoring Network

Well ID	Well Type	Well Depth (ft)	Screen Interval(s) (ft bgs)	Ground Elevation (ft NAVD 88)	Elevation Reference Point Description (ft NAVD 88)	First Date Measured	Last Date Measured	Years Measured	Total Number of Measurements	Screened Aquifer	RMS Well (Y/N)
13C1	Agricultural	1,070	—	776.8	777.8	2/25/2004	6/22/2021	17	31	Careaga Sand	Y
13Q1 ²	Agricultural	295	47-295	662.3	663.3	11/7/1957	3/22/2021	64	45	Paso Robles Formation	N
14L1	Monitoring	593	500-560	328.7	330.4	6/20/1980	9/14/2021	41	1959	Careaga Sand	N
16C2 ¹	Monitoring	169	—	328.6	330.2	2/5/1970	9/30/2021	51	515	Careaga Sand	N
16C4 ¹	Monitoring	560	—	328.6	330.0	2/5/1970	9/30/2021	51	514	Careaga Sand	N
16F1	Monitoring	57.8	—	276.4	280.5	8/1/1978	9/15/2021	43	151	Careaga Sand	N
16G3	Monitoring	55.5	—	294.5	297.5	2/25/1976	9/15/2021	45	181	Careaga Sand	Y
17E1 ³	Monitoring	89	—	243	247.1	2/25/1976	9/15/2021	45	182	Careaga Sand	N
17H1 ³	Monitoring	61	—	260	264.6	3/26/1976	9/15/2021	45	127	Careaga Sand	N
17K2 ³	Monitoring	60	—	260	264.3	9/26/1978	2/25/2021	43	136	Careaga Sand	N
17Q1 ³	Monitoring	48	—	270	275.0	9/26/1978	6/23/2021	43	108	Careaga Sand	N
20Q2 ²	Agricultural	—	—	406.4	407.9	1/16/1958	6/25/2019	61	130	Paso Robles Formation	Y
21A1	Monitoring	271	—	301	304.0	12/16/1977	9/15/2021	44	1058	Careaga Sand	N
22J1 ^{2,3}	Agricultural	—	—	1,435	1436.0	3/22/1990	6/26/2019	29	33	Careaga Sand	N
22K3 ²	Agricultural	250	—	453.2	453.3	11/5/1971	3/16/2021	50	50	Paso Robles Formation	Y
22M1 ^{2,3}	Agricultural	—	—	1,268	1268.4	1/19/2018	6/26/2019	1	5	Careaga Sand	N
22N1 ^{2,3}	Agricultural	175	—	1,201	1201.7	1/5/2017	6/26/2019	2	5	Paso Robles Formation	N
24 E1 ^{2,3}	Agricultural	580	310-570	350	351.3	6/3/1977	6/25/2019	42	99	Careaga Sand	Y
25D1 ²	Agricultural	700	268-700	764.9	766.4	4/22/1977	6/26/2019	42	102	Careaga Sand	Y
2M1	Agricultural	750	240-500	419.4	420.0	6/15/1977	9/14/2021	44	107	Paso Robles Formation	Y
2N1 ³	Agricultural	980	290-960	827	827.3	3/14/2017	6/22/2021	4	9	Careaga Sand	N
2R1 ³	Agricultural	370	220-320	776	778.0	11/5/2019	9/14/2021	2	7	Careaga Sand	N
30D1 ^{2, 3}	Agricultural	895	265-895	540	541.0	6/16/1977	6/26/2019	42	869	Paso Robles Formation	Y
34P1	Monitoring	222.5	—	452.5	455.0	8/9/1979	9/14/2021	42	99	Careaga Sand	Y
4-Deer Field ³	Agricultural	490	—	639	639.4	1/25/2018	9/14/2021	3	13	Careaga Sand	N
4-Deer Highway	Agricultural	349	—	689.2	689.7	12/1/1955	9/14/2021	66	15	Careaga Sand	N
LACSD 3a ³	Municipal	521	180-510	589	589.9	11/17/2010	9/30/2021	11	244	Paso Robles Formation	N
LACSD 4 ³	Municipal	535	230-530	604	605.0	3/28/1994	9/30/2021	27	495	Paso Robles Formation	Y
LACSD 5 ³	Municipal	1,010	502-952	560.2	561.9	1/31/2007	9/30/2021	14	296	Paso Robles Formation	N
LACSD 6 ³	Municipal	1,005	190-950	566	568.1	12/18/2019	9/30/2021	2	38	Paso Robles Formation	N
Mesa Vineyard	Agricultural	—	—	805	806.8	11/5/2019	9/14/2021	2	8	Careaga Sand	N
SACC 1	Monitoring	980	920-940	586.1	585.1	9/8/2016	9/14/2021	5	31	Paso Robles Formation	Y
SACC 2	Monitoring	720	700-720	586.1	585.1	9/23/2016	9/14/2021	5	30	Paso Robles Formation	N
SACC 3	Monitoring	530	510-530	586.1	585.1	9/8/2016	9/14/2021	5	32	Paso Robles Formation	N
SACC 4	Monitoring	325	305-325	586.1	585.1	9/8/2016	9/14/2021	5	32	Paso Robles Formation	N
SACC 5 ¹	Monitoring	120	100-120	586.2	586.1	3/13/2017	9/30/2021	4	599	Paso Robles Formation	N

Well ID	Well Type	Well Depth (ft)	Screen Interval(s) (ft bgs)	Ground Elevation (ft NAVD 88)	Elevation Reference Point Description (ft NAVD 88)	First Date Measured	Last Date Measured	Years Measured	Total Number of Measurements	Screened Aquifer	RMS Well (Y/N)
SACR 1	Monitoring	690	670-690	363	361.9	9/21/2016	9/14/2021	5	30	Careaga Sand	Y
SACR 2	Monitoring	540	520-540	363	361.9	9/21/2016	9/14/2021	5	30	Paso Robles Formation	N
SACR 3	Monitoring	350	330-350	363	361.9	9/21/2016	9/14/2021	5	30	Paso Robles Formation	Y
SACR 4	Monitoring	220	200-220	363	361.9	9/21/2016	9/14/2021	5	30	Paso Robles Formation	N
SACR 5 ¹	Monitoring	110	90-110	362.5	365.4	1/4/2017	9/30/2021	4	602	Paso Robles Formation	N
SAGR ¹	Monitoring	90	70-90	329.6	329.7	3/8/2016	9/30/2021	5	402	Paso Robles Formation	N
SAHC ¹	Monitoring	90	70-90	453.2	455.3	3/8/2016	9/30/2021	5	401	Careaga Sand	Y
SAHG ¹	Monitoring	75	55-75	320.6	323.6	3/13/2017	9/30/2021	4	603	Paso Robles Formation	N
SALA ¹	Monitoring	90	70-90	596.5	596.5	3/13/2017	9/30/2021	4	491	Paso Robles Formation	N
SALS ¹	Monitoring	70	50-70	459.5	459.5	3/13/2017	9/30/2021	4	599	Paso Robles Formation	Y
SASA ¹	Monitoring	65	45-65	309.7	311.8	3/8/2016	9/30/2021	5	606	Careaga Sand	N
Schaff Well	Agricultural	669	—	598	599.5	3/10/2017	9/14/2021	4	15	Careaga Sand	N
White Hawk 1	Agricultural	559.5	—	800.6	802.4	11/5/2019	9/14/2021	2	12	Careaga Sand	N
White Hawk 4 ³	Agricultural	820	180-800	781	781.7	3/15/2018	9/14/2021	3	11	Careaga Sand	N

Notes

¹ Pressure transducer installed in well.

² Pending access agreement.

³ Ground surface elevation and reference point elevation exceeding 0.5 ft accuracy

— = No data available

bgs = below ground surface

ft = foot or feet

N = No

NAVD 88 = North American Vertical Datum of 1988

RMS = representative monitoring site

Y = Yes

Site Code	Local Well Name	Measurement Date (mm/dd/yyyy)	Measurement Time (PST 24-Hour)	No Measurement Code	Questionable Measurement Code	Reading at Reference Point (feet)	Reading at Water Surface (feet)	Reference Point Elevation (feet)	Ground Surface Elevation (feet)	Measurement Method Code	Measurement Accuracy	Collecting/Co-op Agency	Water Level Measurement Comments
347557N1202947W004	SACC 1	11/5/2019	0:00			216.13	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	11/5/2019	0:00			73.20	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	11/5/2019	0:00			43.28	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	11/5/2019	0:00			62.53	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	11/5/2019	0:00			40.74	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	11/5/2019	0:00			35.36	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	11/5/2019	0:00			44.10	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	11/5/2019	0:00			45.30	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	11/5/2019	0:00			73.10	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	11/5/2019	0:00			109.07	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	11/5/2019	0:00			94.43	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	11/5/2019	0:00			98.36	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	11/5/2019	0:00			206.68	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	11/5/2019	0:00			212.75	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	11/5/2019	0:00			164.12	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	11/5/2019	0:00			107.23	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	11/5/2019	0:00			152.20	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
347674N1202769W001	White Hawk 1	11/5/2019	0:00			118.63	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347663N1202771W001	White Hawk 4	11/5/2019	0:00			92.70	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
	Mesa Vineyard	11/5/2019	0:00			215.21	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347990N1203303W001	2N1	10/31/2019	0:00		6	240.00	0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	Measurement provided by property owner
347949N1203150W001	2R1	11/5/2019	0:00			116.62	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	11/5/2019	0:00			24.45	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347985N1203412W001	4-Deer Highway	11/5/2019	0:00			92.33	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	11/5/2019	0:00			213.32	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347790N1203070W001	13C1	11/5/2019	0:00	7			0	777.75	776.75	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347730N1204280W001	14L1	11/5/2019	0:00	9			0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	County did not provide appropriate key
347761N1204637W001	16F1	11/5/2019	0:00	7			0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347741N1204601W001	16G3	11/5/2019	0:00	7			0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347750N1204840W001	17E1	11/5/2019	0:00	9			0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347760N1204720W001	17H1	11/5/2019	0:00	7			0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347716N1204776W001	17K2	11/5/2019	0:00	9			0	264.3	260	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347694N1204770W001	17Q1	11/5/2019	0:00	9			0	275	270	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
348100N1204480W001	34P1	11/5/2019	0:00	4			0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	Did not have small enough sounder
347829N1203884W001	Stephen's Well	11/5/2019	0:00				0	674.01	673	ES	0.01 Ft	San Antonio Basin GSA	Sounder stuck in well
347557N1202947W004	SACC 1	2/25/2020	0:00			214.46	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	2/25/2020	0:00			73.14	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	2/25/2020	0:00			42.96	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	2/25/2020	0:00			61.12	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	2/25/2020	0:00			42.46	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	2/25/2020	0:00			36.28	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	2/25/2020	0:00			45.35	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	2/25/2020	0:00			42.04	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	2/25/2020	0:00			73.39	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	2/25/2020	0:00			107.16	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	2/25/2020	0:00			93.06	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	2/25/2020	0:00			97.59	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	2/25/2020	0:00			205.32	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	2/25/2020	0:00			204.18	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	2/25/2020	0:00			161.92	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	2/25/2020	0:00			107.22	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
347663N1202771W001	White Hawk 4	2/25/2020	0:00			93.20	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
	Mesa Vineyard	2/25/2020	0:00		6	257.70	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	Measurement potentially impacted by local pumping
347901N1203431W001	4-Deer Field	2/25/2020	0:00			24.44	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347985N1203412W001	4-Deer Highway	2/25/2020	0:00			93.47	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	2/25/2020	0:00			213.62	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	2/25/2020	0:00			63.68	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
347829N1203884W001	Stephen's Well	2/25/2020	0:00		1	356.00	0	674.01	673	ES	0.01 Ft	San Antonio Basin GSA	Jell was pumping. DTW is estimated pumping WL based on airlift
347790N1203070W001	13C1	2/25/2020	0:00	7			0	777.75	776.75	PG	1 Ft	San Antonio Basin GSA	No Access Agreement
347761N1204637W001	16F1	2/25/2020	0:00	7			0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347741N1204601W001	16G3	2/25/2020	0:00	7			0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347750N1204840W001	17E1	2/25/2020	0:00	9			0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347760N1204720W001	17H1	2/25/2020	0:00	7			0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	No Access Agreement
347716N1204776W001	17K2	2/25/2020	0:00	9			0	264.3	260	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347694N1204770W001	17Q1	2/25/2020	0:00	9			0	275	270	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
348005N1204351W001	2M1	2/25/2020	0:00	3			0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	Sounder stuck in well
347990N1203303W001	2N1	2/25/2020	0:00	9			0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	Could not open access port
347949N1203150W001	2R1	2/25/2020	0:00	3			0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	Sounder stuck in well
348100N1204480W001	34P1	2/25/2020	0:00	4			0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	Did not have small enough sounder
347557N1202947W004	SACC 1	6/16/2020	0:00			216.41	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	6/16/2020	0:00			73.13	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	6/16/2020	0:00			43.35	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	6/16/2020	0:00			61.41	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	6/16/2020	0:00			41.80	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	6/16/2020	0:00			36.22	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	6/16/2020	0:00			43.83	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	6/16/2020	0:00			46.11	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	6/16/2020	0:00			70.23	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	6/16/2020	0:00			115.11	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	6/16/2020	0:00			94.04	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	6/16/2020	0:00			97.78	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	6/16/2020	0:00			208.95	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	6/16/2020	0:00			213.22	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	6/16/2020	0:00			164.47	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	6/16/2020	0:00			107.08	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	6/16/2020	0:00			150.10	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	

Site Code	Local Well Name	Measurement Date (mm/dd/yyyy)	Measurement Time (PST 24-Hour)	No Measurement Code	Questionable Measurement Code	Reading at Reference Point (feet)	Reading at Water Surface (feet)	Reference Point Elevation (feet)	Ground Surface Elevation (feet)	Measurement Method Code	Measurement Accuracy	Collecting/Co-op Agency	Water Level Measurement Comments
347674N1202769W001	White Hawk 1	6/16/2020	0:00			119.96	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347663N1202771W001	White Hawk 4	6/16/2020	0:00			94.91	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
	Mesa Vineyard	6/16/2020	0:00			216.42	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347949N1203150W001	2R1	6/16/2020	0:00			119.50	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	6/16/2020	0:00			23.73	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347985N1203412W001	4-Deer Highway	6/16/2020	0:00			92.05	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347755N1202507W001	Schaff Well	6/16/2020	0:00			213.95	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	6/16/2020	0:00			66.80	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204480W001	34P1	6/16/2020	0:00			74.92	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	
347829N1203884W001	Stephen's Well	6/16/2020	0:00			335.22	0	674.01	673	PG	0.01 Ft	San Antonio Basin GSA	
347790N1203070W001	13C1	6/16/2020	0:00	7		0:00	0	777.75	776.75	ES		San Antonio Basin GSA	No Access Agreement
347761N1204637W001	16F1	6/16/2020	0:00	7		0:00	0	280.47	276.37	ES		San Antonio Basin GSA	No Access Agreement
347741N1204601W001	16G3	6/16/2020	0:00	7		0:00	0	297.48	294.48	ES		San Antonio Basin GSA	No Access Agreement
347750N1204840W001	17E1	6/16/2020	0:00	9		0:00	0	247.1	243	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347760N1204720W001	17H1	6/16/2020	0:00	7		0:00	0	264.6	260	ES		San Antonio Basin GSA	No Access Agreement
347716N1204776W001	17K2	6/16/2020	0:00	9		0:00	0	264.3	260	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347694N1204770W001	17Q1	6/16/2020	0:00	9		0:00	0	275	270	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347990N1203303W001	2N1	6/16/2020	0:00	9		0:00	0	827.25	827	ES		San Antonio Basin GSA	Could not open access port
347557N1202947W004	SACC 1	9/16/2020	0:00			216.55	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	9/16/2020	0:00			73.19	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	9/16/2020	0:00			44.08	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	9/16/2020	0:00			62.69	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	9/16/2020	0:00			41.20	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	9/16/2020	0:00			37.10	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	9/16/2020	0:00			45.33	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	9/16/2020	0:00			48.20	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	9/16/2020	0:00			71.76	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	9/16/2020	0:00			111.44	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	9/16/2020	0:00			95.28	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	9/16/2020	0:00			99.70	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	9/16/2020	0:00			213.00	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	9/16/2020	0:00			214.83	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	9/16/2020	0:00			168.09	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	9/16/2020	0:00			107.17	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	9/16/2020	0:00			152.38	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
347674N1202769W001	White Hawk 1	9/16/2020	0:00			120.98	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347663N1202771W001	White Hawk 4	9/16/2020	0:00			95.27	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
	Mesa Vineyard	9/16/2020	0:00			216.75	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347949N1203150W001	2R1	9/16/2020	0:00			118.60	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	9/16/2020	0:00			24.88	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347985N1203412W001	4-Deer Highway	9/16/2020	0:00			93.60	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347755N1202507W001	Schaff Well	9/16/2020	0:00			214.59	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	9/16/2020	0:00		6	90.80	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	Measurement not consistent with trend
348100N1204480W001	34P1	9/16/2020	0:00			70.70	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	
347640N1204610W001	21A1	9/16/2020	0:00			34.85	0	303.77	300.97	ES	0.01 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	9/16/2020	0:00			21.28	0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W002	16C2	9/16/2020	0:00			74.60	0	330.16	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W003	16C4	9/16/2020	0:00			66.45	0	329.99	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347760N1204720W001	17H1	9/16/2020	0:00			15.54	0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	
347761N1204637W001	16F1	9/16/2020	0:00			29.35	0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	
347741N1204601W001	16G3	9/16/2020	0:00			47.78	0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	
347790N1203070W001	13C1	9/16/2020	0:00			187.60	0	777.75	776.75	ES	0.01 Ft	San Antonio Basin GSA	
347829N1203884W001	Stephen's Well	9/16/2020	0:00			360.67	0	674.01	673	PG	1 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	9/16/2020	0:00	9		0:00	0	247.1	243	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347716N1204776W001	17K2	9/16/2020	0:00	9		0:00	0	264.3	260	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347694N1204770W001	17Q1	9/16/2020	0:00	9		0:00	0	275	270	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347990N1203303W001	2N1	9/16/2020	0:00	9		16.29	0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	Could not open access port
347750N1204720W001	17H1	12/1/2020	0:00			0:00	0	264.6	260	ES		San Antonio Basin GSA	Could not open access port
347716N1204776W001	17K2	12/1/2020	0:00	9		0:00	0	264.3	260	ES		San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347985N1203412W001	4-Deer Highway	12/1/2020	9:00			92.17	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	12/1/2020	9:20			24.00	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	12/1/2020	9:40			214.25	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347990N1203303W001	2N1	12/1/2020	10:00			221.75	0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	Rusy material in well
	Mesa Vineyard	12/1/2020	10:10			215.42	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347949N1203150W001	2R1	12/1/2020	10:15			118.92	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	
347790N1203070W001	13C1	12/1/2020	11:00			191.50	0	777.75	776.75	ES	0.01 Ft	San Antonio Basin GSA	
347674N1202769W001	White Hawk 1	12/1/2020	11:30			120.46	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347663N1202771W001	White Hawk 4	12/1/2020	11:30			95.58	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W004	SACC 1	12/1/2020	12:00			221.92	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	12/1/2020	12:00			211.83	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	12/1/2020	12:00			217.00	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	12/1/2020	12:00			167.67	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	12/1/2020	12:00			107.08	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	12/1/2020	12:30			46.42	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	12/1/2020	12:35			37.83	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	12/1/2020	13:00			43.42	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	12/1/2020	13:00			76.17	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	12/1/2020	13:00			102.42	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	12/1/2020	13:00			94.67	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	12/1/2020	13:00			99.83	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	12/1/2020	14:30			41.21	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	12/1/2020	14:40			61.75	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	12/1/2020	14:44			66.42	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	12/1/2020	15:00			151.00	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	12/1/2020	15:20			73.25	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204480W001	34P1	12/1/2020	15:30			70.75	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	

Site Code	Local Well Name	Measurement Date (mm/dd/yyyy)	Measurement Time (PST 24-Hour)	No Measurement Code	Questionable Measurement Code	Reading at Reference Point (feet)	Reading at Water Surface (feet)	Reference Point Elevation (feet)	Ground Surface Elevation (feet)	Measurement Method Code	Measurement Accuracy	Collecting/Co-op Agency	Water Level Measurement Comments
347632N1204617W001	SASA	12/1/2020	15:45			44.63	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W002	16C2	12/2/2020	9:00			79.58	0	330.16	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W003	16C4	12/2/2020	9:00			69.08	0	329.99	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347741N1204601W001	16G3	12/2/2020	9:30			48.08	0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	
347761N1204637W001	16F1	12/2/2020	9:45			35.25	0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	
347760N1204720W001	17H1	12/2/2020	10:15			16.29	0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	12/2/2020	11:00			21.42	0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	
347694N1204770W001	17Q1	12/2/2020	11:15			12.75	0	275	270	ES	0.01 Ft	San Antonio Basin GSA	
347640N1204610W001	21A1	12/2/2020	11:30			35.58	0	303.77	300.97	ES	0.01 Ft	San Antonio Basin GSA	
347829N1203884W001	Stephen's Well	12/2/2020	12:00			334.11	0	674.01	673	PG	0.01 Ft	San Antonio Basin GSA	
347716N1204776W001	17K2	2/25/2021	0:00	9		0.00	0	264.3	260	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347829N1203884W001	Stephen's Well	2/25/2021	0:00	3		0.00	0	674.01	673	ES	0.01 Ft	San Antonio Basin GSA	Sounder stuck in well
347435N1202714W001	SALA	2/25/2021	9:20			46.78	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347985N1203412W001	4-Deer Highway	2/25/2021	10:00			93.85	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	2/25/2021	10:15			215.12	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	2/25/2021	10:30			24.20	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347990N1203303W001	2N1	2/25/2021	10:50			209.20	0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	Rusy material in well
	Mesa Vineyard	2/25/2021	11:05			214.30	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347949N1203150W001	2R1	2/25/2021	11:20			120.89	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	
347790N1203070W001	13C1	2/25/2021	11:35	1		0.00	0	777.75	776.75	ES	0.01 Ft	San Antonio Basin GSA	Pump was on
347674N1202769W001	White Hawk 1	2/25/2021	12:00			118.63	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	
347663N1202771W001	White Hawk 4	2/25/2021	12:05			92.70	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W004	SACC 1	2/25/2021	12:20			212.43	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347557N1202947W002	SACC 2	2/25/2021	12:30			206.63	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	2/25/2021	12:30			206.74	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	2/25/2021	12:30			167.45	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	2/25/2021	12:25			107.18	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	2/25/2021	12:35			38.15	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	2/25/2021	13:15			99.30	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	2/25/2021	13:20			42.29	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	2/25/2021	13:20			77.28	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	2/25/2021	13:20			95.73	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	2/25/2021	13:20			94.61	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	2/25/2021	13:30			42.35	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	2/25/2021	13:45			60.91	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	2/25/2021	13:50			66.18	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	2/25/2021	14:00			150.10	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	2/25/2021	14:30			73.25	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204480W001	34P1	2/25/2021	14:35			69.50	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	2/25/2021	14:45			44.33	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347694N1204770W001	21A1	2/25/2021	14:45			35.25	0	303.77	300.97	ES	0.01 Ft	San Antonio Basin GSA	
347694N1204770W001	17Q1	2/25/2021	15:00			13.40	0	275	270	ES	0.01 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	2/25/2021	15:15			20.98	0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	
347760N1204720W001	17H1	2/26/2021	8:45			15.64	0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W002	16C2	2/26/2021	9:00			75.47	0	330.16	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W003	16C4	2/26/2021	9:05			66.81	0	329.99	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347761N1204637W001	16F1	2/26/2021	9:30			31.02	0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	
347741N1204601W001	16G3	2/26/2021	9:35			48.66	0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	
347716N1204776W001	17K2	6/22/2021	0:00	9		0.00	0	264.3	260	ES	0.01 Ft	San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347829N1203884W001	Stephen's Well	6/22/2021	0:00	7		0.00	0	674.01	673	ES	0.01 Ft	San Antonio Basin GSA	re-negotiating access
348100N1204480W001	34P1	6/22/2021	1:35			68.86	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	6/22/2021	1:45			44.75	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	6/22/2021	8:05			25.15	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	6/22/2021	8:10			47.54	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	
347985N1203412W001	4-Deer Highway	6/22/2021	8:20			97.71	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	6/22/2021	8:55			215.82	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347990N1203303W001	2N1	6/22/2021	9:10			226.50	0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	
	Mesa Vineyard	6/22/2021	9:30			216.50	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	Rusy material in well
347949N1203150W001	2R1	6/22/2021	9:45		2	192.82	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	Measurement likely influenced by local pumping
347790N1203070W001	13C1	6/22/2021	10:10			195.00	0	777.75	776.75	ES	0.01 Ft	San Antonio Basin GSA	
347663N1202771W001	White Hawk 4	6/22/2021	10:30			98.80	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
347674N1202769W001	White Hawk 1	6/22/2021	10:35			123.25	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347557N1202947W004	SACC 1	6/22/2021	10:45			227.45	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	6/22/2021	10:45			217.18	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	6/22/2021	10:45			220.53	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	6/22/2021	10:45			171.01	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	6/22/2021	11:00			107.25	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	6/22/2021	12:00			39.04	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W004	SACR 1	6/22/2021	12:10			47.81	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	6/22/2021	12:10			81.41	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	6/22/2021	12:10			119.19	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W008	SACR 4	6/22/2021	12:10			96.07	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	6/22/2021	12:15			99.75	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	6/22/2021	12:30			43.41	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	6/22/2021	12:45			70.93	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	6/22/2021	12:50			62.06	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	6/22/2021	13:00			152.50	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	6/22/2021	13:30			73.40	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W002	16C2	6/23/2021	8:05			75.36	0	330.16	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W003	16C4	6/23/2021	8:05			67.24	0	329.99	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347741N1204601W001	16G3	6/23/2021	8:15			48.84	0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	
347761N1204637W001	16F1	6/23/2021	8:30			30.33	0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	
347760N1204720W001	17H1	6/23/2021	8:45			15.68	0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	
347640N1204610W001	21A1	6/23/2021	9:15			35.64	0	303.77	300.97	ES	0.01 Ft	San Antonio Basin GSA	
347694N1204770W001	17Q1	6/23/2021	9:30			13.85	0	275	270	ES	0.01 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	6/23/2021	9:45			21.40	0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	

Site Code	Local Well Name	Measurement Date (mm/dd/yyyy)	Measurement Time (PST 24-Hour)	No Measurement Code	Questionable Measurement Code	Reading at Reference Point (feet)	Reading at Water Surface (feet)	Reference Point Elevation (feet)	Ground Surface Elevation (feet)	Measurement Method Code	Measurement Accuracy	Collecting/Co-op Agency	Water Level Measurement Comments
347716N1204776W001	17K2	9/14/2021	0:00	9			0	264.3	260			San Antonio Basin GSA	
347694N1204770W001	17Q1	9/14/2021	0:00	9			0	275	270			San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347990N1203303W001	2N1	9/14/2021	0:00	9			0	827.25	827			San Antonio Basin GSA	Inaccessible due to overgrown vegetation
347435N1202714W001	SALA	9/14/2021	8:00			48.13	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	Could not open access port
347985N1203412W001	4-Deer Highway	9/14/2021	8:50			94.80	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	9/14/2021	8:55			27.82	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	9/14/2021	9:05			216.28	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
	Mesa Vineyard	9/14/2021	9:40			217.10	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347949N1203150W001	2R1	9/14/2021	9:45		2	185.22	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	Measurement likely influenced by local pumping
347790N1203070W001	13C1	9/14/2021	0:00	7			0	777.75	776.75			San Antonio Basin GSA	Well was undergoing repair
347557N1202947W004	SACC 1	9/14/2021	10:30			237.35	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	9/14/2021	10:30			219.00	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	9/14/2021	10:30			224.73	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	9/14/2021	10:30			173.62	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	9/14/2021	10:30			107.20	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
347663N1202771W001	White Hawk 4	9/14/2021	10:50			99.24	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
347674N1202769W001	White Hawk 1	9/14/2021	10:55			124.16	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347629N1204252W001	SAHG	9/14/2021	11:45			42.85	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	9/14/2021	11:50			63.68	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	9/14/2021	11:55			70.82	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	9/14/2021	12:10			154.13	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	9/14/2021	12:45			73.55	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204480W001	34P1	9/14/2021	12:50			68.60	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	9/14/2021	13:05			100.49	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W004	SACR 1	9/14/2021	13:10			49.61	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	9/14/2021	13:10			76.58	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	9/14/2021	13:10			113.90	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 4	9/14/2021	13:10			95.93	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	9/14/2021	13:30			38.73	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347741N1204601W001	16G3	9/15/2021	9:00			49.00	0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	
347761N1204637W001	16F1	9/15/2021	9:15			30.92	0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W002	16C2	9/15/2021	9:20			76.15	0	330.16	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W003	16C4	9/15/2021	9:20			67.80	0	329.99	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347760N1204720W001	17H1	9/15/2021	10:00			16.54	0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	9/15/2021	10:20			21.76	0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	9/15/2021	10:36			45.37	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347640N1204610W001	21A1	9/15/2021	10:45			36.22	0	303.77	300.97	ES	0.01 Ft	San Antonio Basin GSA	
347829N1203884W001	Stephen's Well	9/15/2021	11:15			335.26	0	674.01	673	PG	1 Ft	San Antonio Basin GSA	
347590N1203943W001	SACR 5	12/8/2021	0:30			100.30	0	365.24	362.45	ES	0.01 Ft	San Antonio Basin GSA	
347730N1204280W001	14L1	12/8/2021	1:25			68.99	0	330.42	328.72	ES	0.01 Ft	San Antonio Basin GSA	
347728N1204285W001	SAGR	12/8/2021	1:30			63.25	0	329.55	329.64	ES	0.01 Ft	San Antonio Basin GSA	
348005N1204351W001	2M1	12/8/2021	1:40			152.60	0	420.01	419.41	ES	0.01 Ft	San Antonio Basin GSA	
347435N1202714W001	SALA	12/8/2021	9:15			48.79	0	596.37	596.47	ES	0.01 Ft	San Antonio Basin GSA	Oil in well
347985N1203412W001	4-Deer Highway	12/8/2021	9:30			95.05	0	689.68	689.18	ES	0.01 Ft	San Antonio Basin GSA	
347901N1203431W001	4-Deer Field	12/8/2021	9:45			27.67	0	639.36	639	ES	0.01 Ft	San Antonio Basin GSA	
347755N1203507W001	Schaff Well	12/8/2021	10:00			216.65	0	599.5	598	ES	0.01 Ft	San Antonio Basin GSA	
347990N1203303W001	2N1	12/8/2021	10:30			224.65	0	827.25	827	ES	0.01 Ft	San Antonio Basin GSA	Rusy material in well
	Mesa Vineyard	12/8/2021	10:45			218.08	0	806.79	805	ES	0.01 Ft	San Antonio Basin GSA	
347949N1203150W001	2R1	12/8/2021	10:50			119.42	0	777.4	776	ES	0.01 Ft	San Antonio Basin GSA	
347790N1203070W001	13C1	12/8/2021	11:15			188.10	0	777.75	776.75	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .25' to account for difference in RP
347663N1202771W001	White Hawk 4	12/8/2021	11:30			98.85	0	781.67	781	ES	0.01 Ft	San Antonio Basin GSA	
347674N1202769W001	White Hawk 1	12/8/2021	11:40			124.03	0	802.36	800.63	ES	0.01 Ft	San Antonio Basin GSA	Measurement adjusted by .13' to account for difference in RP
347557N1202947W004	SACC 1	12/8/2021	12:00			229.72	0	585.04	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W002	SACC 2	12/8/2021	12:00			215.05	0	585.01	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W006	SACC 3	12/8/2021	12:00			220.42	0	585.05	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202947W008	SACC 4	12/8/2021	12:00			172.79	0	584.99	586.08	ES	0.01 Ft	San Antonio Basin GSA	
347566N1203389W001	SALS	12/8/2021	12:20			39.73	0	459.26	459.5	ES	0.01 Ft	San Antonio Basin GSA	
347590N1203943W004	SACR 1	12/8/2021	12:30			46.27	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347591N1203944W002	SACR 2	12/8/2021	12:30			75.51	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 3	12/8/2021	12:30			99.00	0	361.81	362.98	ES	0.01 Ft	San Antonio Basin GSA	
	SACR 4	12/8/2021	12:30			94.72	0	361.82	362.98	ES	0.01 Ft	San Antonio Basin GSA	
347829N1203884W001	Stephen's Well	12/8/2021	13:00			341.00	0	674.01	673	PG	1 Ft	San Antonio Basin GSA	
347629N1204252W001	SAHG	12/8/2021	13:30			42.72	0	323.61	320.63	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204501W001	SAHC	12/8/2021	14:00			73.68	0	455.34	453.18	ES	0.01 Ft	San Antonio Basin GSA	
348100N1204480W001	34P1	12/8/2021	14:10			68.55	0	454.96	452.46	ES	0.01 Ft	San Antonio Basin GSA	
347632N1204617W001	SASA	12/8/2021	14:20			45.69	0	311.81	309.65	ES	0.01 Ft	San Antonio Basin GSA	
347557N1202946W001	SACC 5	12/8/2021	23:50			107.13	0	586.08	586.21	ES	0.01 Ft	San Antonio Basin GSA	
347760N1204720W001	17H1	12/9/2021	11:30			17.20	0	264.6	260	ES	0.01 Ft	San Antonio Basin GSA	
347741N1204601W001	16G3	12/9/2021	11:40			49.31	0	297.48	294.48	ES	0.01 Ft	San Antonio Basin GSA	
347761N1204637W001	16F1	12/9/2021	12:00			38.50	0	280.47	276.37	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W002	16C2	12/9/2021	12:15			86.75	0	330.16	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347778N1204642W003	16C4	12/9/2021	12:15			73.94	0	329.99	328.59	ES	0.01 Ft	San Antonio Basin GSA	
347750N1204840W001	17E1	12/9/2021	12:15			22.03	0	247.1	243	ES	0.01 Ft	San Antonio Basin GSA	
347640N1204610W001	21A1	12/9/2021	12:30			36.79	0	303.77	300.97	ES	0.01 Ft	San Antonio Basin GSA	
347716N1204776W001	17K2	12/9/2021	13:00			6.98	0	264.3	260	ES	0.01 Ft	San Antonio Basin GSA	
347690N1203020W001	13Q1	11/5/2019	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	2/25/2020	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	6/16/2020	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	9/16/2020	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	12/1/2020	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	2/25/2021	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	6/22/2021	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	9/15/2021	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347690N1203020W001	13Q1	12/8/2021	0:00	7			0	663.32	662.32			San Antonio Basin GSA	No Access Agreement
347491N1202964W001	30D1	11/5/2019	0:00	7			0	541	540			San Antonio Basin GSA	No Access Agreement

APPENDIX D

Principal Aquifer Hydraulic Properties

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Principal Aquifer Hydraulic Properties

Well Name	Aquifer	Test Duration (hours)	Flow (gpm)	Drawdown (ft)	Well Depth (ft bgs)	Screened Interval (ft bgs)	Total Screened Interval (ft)	Specific Capacity (gpm/ft)	Transmissivity (ft ² /day)	Hydraulic Conductivity (ft/day)
LACSD 3 ^{1,4,5}	Paso Robles Formation	—	330	57	—	—	—	6	1,604	—
LACSD 3a ^{2,3}		24	401	69	510	180–300 320–400 420–510	290	6	1,920	7
LACSD 4 ^{4,5}		—	323	79	535	230–530	300	4	1,093	4
LACSD 5 ^{2,3}		24	785	112	962	217–352 502–702 792–952	395	7	2,706	5
LACSD 6 ^{4,5}		—	624	96	959	196–296 338–700 823–959	598	6	1,738	3
4 - Deer (Ex Ag - 2) ^{5,6}	Careaga Sand	—	100	10	460	220–460	240	10	2,674	11
4 - Deer - (New Ag - 2) ^{5,6}		—	900	32	455	100–450	350	28	7,520	21
4 -Deer - (New Ag 3) ^{5,6}		—	750	46	455	100–480	380	16	4,359	11
4 - Deer Field (New Ag - 4) ^{5,6}		—	900	124	600	100–440	340	7	1,941	6
4 - Deer Highway (Ex Ag - 1) ^{5,6}		—	38	3	460	240–460	220	13	3,387	15
VSFB Well #4 ^{5,7}		2.3	956	54	334	162–219 234– 273 319–334	111	18	4,734	43
VSFB Well #7 ^{5,7}		3	1,200	37.85	410	200–210 220–230 270– 290 300–320 330–340 350– 360 370–390	190	32	8,477	45
VSFB Well #6 ^{5,7}		4	684	33.5	—	210–390	180	20	5,459	30
VSFB Well #5 ^{5,7}		3.1	768	46.5	400	200–390	110	17	4,416	40

Notes

- ¹ LACSD 3 was taken offline in 2010 replaced with LACSD 3A.
- ² Transmissivity and hydraulic conductivity were calculated using the modified Cooper-Jacob Nonequilibrium Equation (Driscoll, 1986)
- ³ Value for flow is an arithmetic mean of pumping rates during pump tests after well construction activities:
 - LACSD 3A: A & A Pump & Well Service, (2010). Constant Run 24hr+.
 - LACSD 5: Cleath & Associates, (2006). Well construction and testing report for St. Joseph Street Well #5, Los Alamos Community Services District, Santa Barbara County, December.
- ⁴ Specific capacity was calculated using mean production and water level data provided by the LACSD.
- ⁵ Hydraulic conductivity was calculated by using the following equation (Driscoll, 1986):

$$K = T / B$$
 - K = Hydraulic conductivity (feet per day)
 - T = Transmissivity (square feet per day)
 - B = Aquifer thickness or screened interval (feet)
 Transmissivity and specific capacity were calculated using the following formula (Driscoll, 1986):

$$T = [(Q/s) \times 2,000] / 7.48$$
 - T = Transmissivity, in gallons per day per foot (gpd/ft)
 - Q/s = Specific Capacity, in gallons per minute per foot (gpm/ft)
 - 2,000 = Constant for confined aquifers
 - 7.48 = Conversion from gallons per day per foot to square feet per day.

⁶ From Katherman Exploration Co., LLC, 2009.

⁷ Christian Mathews, Operations Manager, American Water, for Vandenberg Space Force Base, personal communication, Friday, June 18, 2021.

— = No value on record or uncalculated

Ag = Agricultural well

Ex = Existing

ft = feet

ft bgs = feet below ground surface

ft/day = feet per day

ft²/day = square feet per day

gpd/ft = gallons per day per foot

gpm = gallon per minute

gpm/ft = gallons per minute per foot

LACSD = Los Alamos Community Services District

VSFB = Vandenberg Space Force Base

Reference

Driscoll, F. G. *Groundwater and Wells, Second Edition.* (St. Paul, Minnesota; Johnson Screens; 1986).

APPENDIX E

Municipal Pumping Data

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Los Alamos CSD Water Production In Gallons

2018	Well #3A	Well #4	Well #5	Well #6	
January	1,484,000	1,168,000	2,658,000	N/A	
February	1,500,000	1,191,000	2,720,000	N/A	
March	1,215,000	970,000	2,232,000	N/A	
April	1,805,000	1,289,000	3,290,000	N/A	
May	2,309,000	1,863,000	3,881,000	N/A	
June	2,959,000	2,035,000	4,071,000	N/A	
July	3,166,000	2,316,000	5,288,000	N/A	
August	3,392,000	2,336,000	5,362,000	N/A	
September	2,593,000	2,030,000	4,679,000	N/A	
October	2,228,000	1,938,000	4,163,000	N/A	
November	1,778,000	1,574,00	3,401,000	N/A	
December	2,260,000	1,106,000	2,038,000	N/A	
				N/A	
Total	26,689,000	18,242,000	43,783,000	N/A	88,714,000
2019	Well #3A	Well #4	Well #5	Well #6	
January	1,170,000	953,000	2,129,000	N/A	4,252,000
February	1,093,000	1,055,000	1,815,000	N/A	3,963,000
March	1,631,000	1,363,000	1,558,000	N/A	4,552,000
April	2,448,000	2,084,000	2,330,000	N/A	6,862,000
May	2,681,000	2,288,000	2,818,000	N/A	7,787,000
June	2,868,000	2,025,000	4,118,000	N/A	9,011,000
July	3,039,000	142,000	6,010,000	N/A	9,191,000
August	2,441,000	2,460,000	5,318,000	N/A	10,219,000
September	2,324,000	2,090,000	5,117,000	N/A	9,531,000
October	2,085,000	1,942,000	4,436,000	N/A	8,463,000
November	1,757,000	1,314,000	3,647,000	N/A	6,718,000
December	1,019,000	828,000	2,399,000	379,000	4,625,000
Total	24,556,000	18,544,000	41,695,000	379,000	85,174,000

2020	Well #3A	Well #4	Well #5	Well #6	
January	1,371,000	1,217,000	987,000	810,000	4,385,000
February	1,192,000	1,203,000	0	2,909,000	5,304,000
March	1,150,000	1,081,000	1,811,000	1,571,000	5,613,000
April	872,000	812,000	2,034,000	1,969,000	5,687,000
May	1,463,000	1,458,000	3,188,000	2,676,000	8,785,000
June	865,000	671,000	4,544,000	3,815,000	9,895,000
July	1,739,000	64,000	4,700,000	4,359,000	10,862,000
August	1,932,000	1,740,000	3,916,000	2,994,000	10,582,000
September	1,572,000	1,657,000	3,120,000	3,073,000	9,422,000
October	1,496,000	1,510,000	2,673,000	2,953,000	8,632,000
November	1,057,000	1,236,000	2,491,000	2,183,000	6,967,000
December	1,129,000	1,157,000	1,552,000	2,398,000	6,236,000
Total	15,838,000	13,806,000	31,016,000	31,710,000	92,370,000
2021	Well #3A	Well #4	Well #5	Well #6	
January	938,000	1,001,000	1,209,000	2,063,000	5,211,000
February	875,000	951,000	1,101,000	1,930,000	4,857,000
March	1,077,000	1,209,000	1,522,000	2,484,000	6,292,000
April	1,653,000	971,000	1,828,000	3,585,000	8,037,000
May	2,066,000	747,000	2,081,000	4,196,000	9,090,000
June	1,714,000	1,874,000	2,528,000	3,706,000	9,822,000
July	1,805,000	1,845,000	2,984,000	3,422,000	10,056,000
August	1,721,000	1,954,000	2,743,000	3,664,000	10,082,000
September	1,957,000	2,104,000	2,619,000	3,140,000	9,820,000
October	1,516,000	1,652,000	1,772,000	3,206,000	8,146,000

Vandenberg Space Force Base Total Well Production

	2018 (Gal)	WELL4	WELL5	WELL6	WELL7A	Comment
January	544,000	273,000	0	0	271,000	O&M Use; Well#5 MCC Bucket
February	1,322,000	543,000	0	145,000	634,000	O&M Use
March	380,000	114,000	0	90,000	176,000	O&M Use
April	718,000	255,000	0	129,000	334,000	O&M Use
May	1,774,000	202,000	1,084,000	152,000	336,000	O&M Use
June	819,000	180,000	282,000	166,000	191,000	O&M Use
July	1,818,000	684,000	0	124,000	1,010,000	O&M Use
August	1,250,000	410,000	0	249,000	591,000	O&M Use
September	920,000	827,000	0	43,000	50,000	O&M Use
October	4,627,000	2,042,000	709,000	1,210,000	666,000	O&M Use
November	33,501,000	11,664,000	4,297,00	2,088,000	19,749,000	Beneficial Use
December	737,000	123,000	130,000	29,000	455,000	O&M Use

48,410,000

Vandenberg Space Force Base Total Well Production

	2019 (Gal)	WELL4	WELL5	WELL6	WELL7A	Comment
January	1,917,000	519,000	622,000	294,000	482,000	O&M Use
February	1,830,000	191,000	427,000	315,000	897,000	O&M Use
March	2,110,000	499,000	578,000	291,000	742,000	O&M Use
April	4,992,000	3,659,000	471,000	266,000	596,000	O&M Use
May	2,240,000	0	1,475,000	540,000	225,000	O&M Use
June	15,588,000	2,657,000	11,780,000	369,000	782,000	O&M Use
July	8,998,000	0	4,502,000	911,000	3,585,000	O&M Use
August	669,000	0	458,000	147,000	64,000	O&M Use
September	1,596,000	0	563,000	278,000	755,000	O&M Use
October	7,730,000	0	2,536,000	3,262,000	1,932,000	O&M Use
November	39,157,000	1,577,000	13,035,000	4,713,000	19,832,000	39,157,000gal Total Well Production; 38,150,000gal to Beneficial Use
December	3,287,000	792,000	601,000	838,000	1,056,000	
	90,114,000					

Vandenberg Space Force Base Total Well Production

	2020 (Gal)	WELL4	WELL5	WELL6	WELL7A	Comment
January	5,294,000	1,509,000	1,247,000	699,000	1,839,000	O&M Use
February	4,340,000	1,208,000	1,247,000	412,000	1,473,000	O&M Use
March	2,965,000	578,000	1,394,000	276,000	717,000	O&M Use
April	3,677,000	1,195,000	787,000	460,000	1,235,000	O&M Use
May	2,730,000	768,000	656,000	364,000	942,000	O&M Use
June	3,054,000	880,000	721,000	392,000	1,061,000	O&M Use
July	6,698,000	3,854,000	916,000	533,000	1,395,000	O&M Use
August	3,057,000	2,385,000	228,000	74,000	370,000	O&M Use
September	9,379,000	3,552,000	4,624,000	0	1,203,000	O&M Use
October	39,901,000	3,190,000	10,092,000	11,455,000	15,164,000	Combined O&M and Beneficial Use
November	77,806,000	0	30,731,000	27,632,000	19,443,000	Beneficial Use
December	76,427,000	0	16,176,000	16,163,000	44,088,000	Beneficial Use

235,328,000

Vandenberg Space Force Base Total Well Production

	2021 (Gal)	WELL4	WELL5	WELL6	WELL7A	Comment
January	10,638,000	379,000	4,076,000	4,322,000	1,861,000	Well#5, 6, & 7 Operated for Beneficial Use During First Week of Jan. Volume Represents Combined O&M & Beneficial Use
February	1,459,000	161,000	702,000	596,000	0	O&M Use; Well#7 CAP Project
March	5,379,000	1,105,000	484,000	464,000	3,326,000	O&M Use
April	5,338,000	1,411,000	874,000	830,000	2,223,000	O&M Use
May	1,802,000	334,000	420,000	377,000	671,000	O&M Use
June	1,512,000	180,000	584,000	516,000	232,000	O&M Use
July	2,261,000	533,000	652,000	382,000	694,000	O&M Use
August	5,451,000	1,344,000	1,344,000	978,900	1,785,000	O&M Use; New meters installed and validated at all four wells.
September	2,251,400	695,200	590,200	447,600	518,400	O&M Use
October	18,498,000	1,104,000	5,006,000	3,749,000	8,639,000	O&M Use
November	83,504,000	35,402,000	7,117,400	14,134,400	26,850,200	Beneficial Use
December		TBD	TBD	TBD	TBD	Beneficial Use

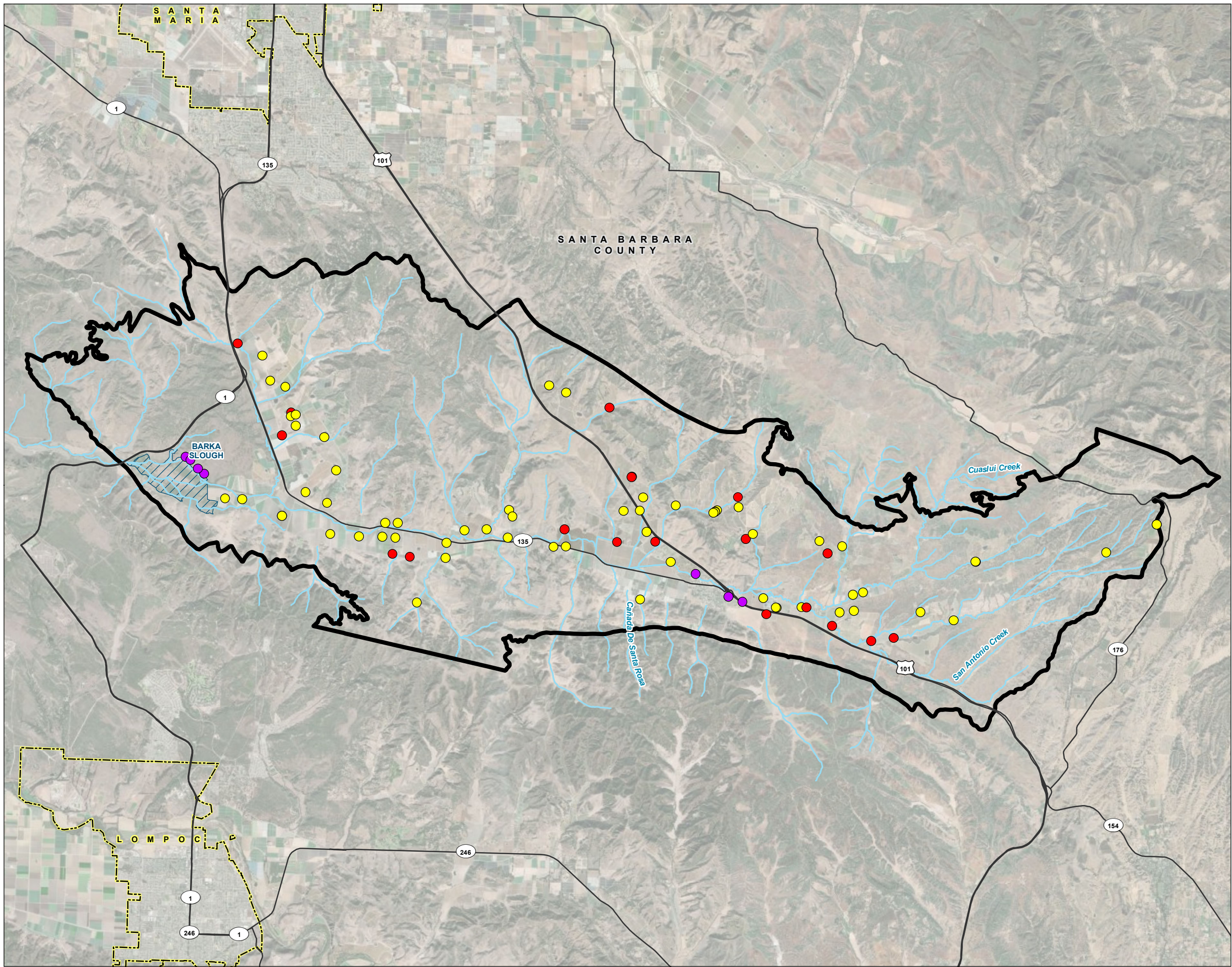
138,093,400

APPENDIX F

Groundwater Quality Monitoring Network Data

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Groundwater Quality Monitoring Network
 Groundwater Sustainability Plan
 2021 Annual Report
 San Antonio Creek Valley
 Groundwater Basin



LEGEND

Well Type

- Agricultural
- Domestic
- Municipal

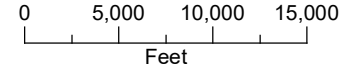
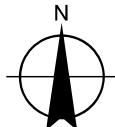
All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

NOTES

*SACR 1 and 14L1 are screened in the Careaga Sand.

San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.



Date: November 18, 2021
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



Groundwater Quality Monitoring Network

Well ID	Well Type	Well Depth (ft bgs)	Screen Interval(s) (ft bgs)	First Sampling Event Date	Last Sampling Event Date	Number of Sampling Events	Principal Aquifer
4210002-004	Municipal	535	230-530	11/21/1988	5/5/2021	80	Paso Robles Formation
4210002-007	Municipal	962	502-952	11/9/2006	5/5/2021	35	Paso Robles Formation
4210002-009	Municipal	510	180-510	9/21/2010	5/5/2021	30	Paso Robles Formation
4210002-012	Municipal	959	190-950	6/5/2019	5/5/2021	8	Paso Robles Formation
4210700-001	Municipal	—	162-	6/27/1989	4/21/2021	109	Careaga Sand
4210700-002	Municipal	—	160-	4/10/1984	4/21/2021	102	Careaga Sand
4210700-003	Municipal	—	220-	3/6/1984	4/21/2021	109	Careaga Sand
4210700-016	Municipal	—	200-	6/3/1996	4/21/2021	90	Careaga Sand
AGC100000001-CCGC_0581	Agricultural	—	—	6/23/2015	6/23/2015	1	Unknown
AGL020000787-OFFICE_D	Domestic	—	—	8/24/2015	11/29/2017	4	Unknown
AGL020000787-WELL2_WH	Agricultural	—	—	5/23/2017	11/29/2017	2	Unknown
AGL020000788-#1 OLD	Agricultural	—	—	12/26/2012	10/30/2017	4	Unknown
AGL020000788-#2 NEW	Agricultural	—	—	12/26/2012	10/30/2017	4	Unknown
AGL020000976-DW1	Domestic	370	220-320	11/29/2012	11/15/2017	4	Unknown
AGL020000976-IW3	Agricultural	—	—	11/29/2012	11/15/2017	4	Unknown
AGL020000990-AG WELL	Agricultural	—	—	11/29/2012	4/25/2017	3	Unknown
AGL020000990-DOMESTIC WELL	Domestic	—	—	11/29/2012	4/25/2017	3	Unknown
AGL020001186-CARRARI	Agricultural	—	—	7/28/2014	4/5/2018	3	Unknown
AGL020001186-DANS HOUSE	Domestic	—	—	7/28/2014	4/5/2018	3	Unknown
AGL020001194-LOS ALAMOS	Agricultural	—	—	7/28/2014	4/5/2018	3	Unknown
AGL020001197-DON MIGUEL	Agricultural	—	—	7/28/2014	4/5/2018	3	Unknown
AGL020001199-RONS HOUSE	Domestic	—	—	7/28/2014	4/5/2018	3	Unknown
AGL020001230-DOMESTIC WELL	Domestic	—	—	2/7/2013	11/29/2017	4	Unknown
AGL020001230-WELL #6	Agricultural	—	—	2/7/2013	11/29/2017	4	Unknown
AGL020003431-DOM/IRR	Domestic	—	—	12/2/2013	8/3/2017	3	Unknown
AGL020003506-RANCH11_IR	Agricultural	—	—	12/2/2013	11/13/2017	3	Unknown
AGL020003593-WELL 1	Agricultural	—	—	12/12/2012	1/4/2018	3	Unknown
AGL020003826-BEVENS WELL	Agricultural	—	—	1/31/2013	11/15/2017	4	Unknown
AGL020003826-BEVENS WELL 2	Agricultural	—	—	1/31/2013	11/15/2017	4	Unknown
AGL020003826-MONIGHETTI	Agricultural	—	—	1/31/2013	11/15/2017	4	Unknown
AGL020004324-GEOFFREY_D	Domestic	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004324-GEOFFREY_I	Agricultural	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004328-MISSIONP_I	Agricultural	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004330-MISSIONT_D	Domestic	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004330-MISSIONT_I	Agricultural	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004333-JFWNEELY_I	Agricultural	—	—	7/23/2018	7/23/2018	1	Unknown

Well ID	Well Type	Well Depth (ft bgs)	Screen Interval(s) (ft bgs)	First Sampling Event Date	Last Sampling Event Date	Number of Sampling Events	Principal Aquifer
AGL020004334-SAINZ_DOM	Domestic	—	—	7/23/2014	11/27/2017	2	Unknown
AGL020004336-BARHAMV_D	Domestic	370	260-360	7/23/2014	11/27/2017	3	Unknown
AGL020004336-BARHAMV_I	Agricultural	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004336-BARHAMV2_D	Domestic	—	—	1/23/2014	11/27/2017	3	Unknown
AGL020004388-DW	Domestic	—	—	12/12/2012	10/2/2018	3	Unknown
AGL020004388-WELL 1	Agricultural	—	—	7/9/2013	10/16/2018	2	Unknown
AGL020004388-WELL 3	Agricultural	—	—	7/9/2013	10/2/2018	2	Unknown
AGL020004388-WELL 4	Agricultural	—	—	7/9/2013	10/2/2018	2	Unknown
AGL020004396-DW	Domestic	525	345-445	12/12/2012	10/2/2018	4	Unknown
AGL020004507-3207_I	Agricultural	—	—	1/23/2014	8/28/2017	3	Unknown
AGL020004507-3507_I	Agricultural	—	—	1/23/2014	8/28/2017	3	Unknown
AGL020004512-LOS ALAMOS #1	Agricultural	—	—	12/21/2012	11/13/2017	4	Unknown
AGL020004512-LOS ALAMOS #5	Agricultural	—	—	12/21/2012	11/7/2017	4	Unknown
AGL020004520-LOMA VERDE #1	Agricultural	—	—	12/21/2012	11/7/2017	4	Unknown
AGL020004541-EL CAMINO #1	Agricultural	—	—	12/21/2012	11/7/2017	4	Unknown
AGL020004541-EL CAMINO DW #1	Domestic	—	—	12/21/2012	11/7/2017	4	Unknown
AGL020004845-RANCH1_IRR	Agricultural	—	—	12/4/2013	6/26/2017	3	Unknown
AGL020004945-WELL 1	Agricultural	—	—	11/25/2012	2/22/2019	5	Unknown
AGL020004945-WELL 2	Agricultural	—	—	11/5/2018	11/5/2018	1	Unknown
AGL020004975-RANCH7_IRR	Agricultural	—	—	12/4/2013	6/26/2017	4	Unknown
AGL020007205-DOMESTIC	Domestic	—	—	6/29/2017	6/29/2017	1	Unknown
AGL020007472-MAIN WELL	Agricultural	—	—	7/1/2015	7/1/2015	1	Unknown
AGL020007578-DOMESTIC	Domestic	—	—	9/19/2012	12/4/2017	4	Unknown
AGL020007578-PRIMARY AG	Agricultural	—	—	9/19/2012	12/4/2017	4	Unknown
AGL020008902-DOMESTIC	Domestic	—	—	9/5/2012	11/28/2017	5	Unknown
AGL020008902-WELL 4	Agricultural	—	—	5/28/2013	6/29/2017	3	Unknown
AGL020008902-WELL 5	Agricultural	—	—	11/28/2017	11/28/2017	1	Unknown
AGL020010504-WELL 1	Agricultural	—	—	12/21/2012	12/28/2017	4	Unknown
AGL020010504-WELL 2	Agricultural	—	—	12/21/2012	12/28/2017	5	Unknown
AGL020011702-DOMESTIC	Domestic	—	—	12/11/2013	11/28/2017	4	Unknown
AGL020012002-WELL 13	Agricultural	250	160-240-	9/5/2012	5/23/2017	3	Unknown
AGL020014928-IRRIGATION	Agricultural	—	—	12/2/2013	8/3/2017	3	Unknown
AGL020020322-ALISOS_IRR	Agricultural	—	—	12/4/2013	3/19/2019	4	Unknown
AGL020022802-RANCH9_IRR	Agricultural	—	—	6/21/2017	11/29/2017	2	Unknown
AGL020026466-WELL6_IRR	Agricultural	—	—	5/22/2017	5/22/2017	1	Unknown
AGL020026804-R4-W-1	Agricultural	—	—	6/6/2017	6/6/2017	1	Unknown
AGL020027576-AW GLAD	Agricultural	—	—	6/21/2017	11/29/2017	2	Unknown

Well ID	Well Type	Well Depth (ft bgs)	Screen Interval(s) (ft bgs)	First Sampling Event Date	Last Sampling Event Date	Number of Sampling Events	Principal Aquifer
AGL020027596-PH #1	Agricultural	—	—	6/15/2017	12/1/2017	2	Unknown
AGL020027597-WELL 1	Agricultural	—	—	10/30/2015	12/1/2017	3	Unknown
AGL020027908-R2 W1 MONIG	Agricultural	—	—	12/21/2017	12/21/2017	1	Unknown
AGL020027908-R2 W2 MONIG	Agricultural	—	—	12/21/2017	12/21/2017	1	Unknown
AGL020027910-GLAD_WELL_3	Agricultural	—	—	5/23/2017	1/4/2018	2	Unknown
AGL020027955-RANCH36_D	Domestic	—	—	4/27/2016	8/28/2017	3	Unknown
AGL020028062-3RAN2701_I	Agricultural	—	—	8/2/2017	8/2/2017	1	Unknown
AGL020028148-WHITE48	Agricultural	—	—	5/24/2017	12/28/2017	4	Unknown
AGL020028151-HARRIS51	Agricultural	—	—	5/24/2017	5/24/2017	1	Unknown
AGL020028275-SHOKV DOM	Domestic	—	—	5/11/2018	9/25/2018	2	Unknown
AGL020028275-SHOKV IRR	Agricultural	—	—	5/11/2018	9/25/2018	2	Unknown
AGL020028322-GLAD_WELL_11	Agricultural	—	—	5/23/2017	1/4/2018	2	Unknown
AGL020029934-WELL 1 IRR	Agricultural	—	—	11/7/2017	11/7/2017	1	Unknown
AGL020033821-NOLANAG#1_IRR	Agricultural	—	—	7/11/2018	10/26/2018	2	Unknown
AGL020033821-NOLANAG#5_IRR	Agricultural	—	—	12/20/2018	12/20/2018	1	Unknown
AGL020033821-NOLANAG#6_IRR	Agricultural	—	—	12/20/2018	12/20/2018	1	Unknown

Notes

Refer to Figure 5-4 for well locations.

— = No data available

bgs = below ground surface

ft = feet

Source: Data are available from the Groundwater Ambient Monitoring and Assessment (GAMA) Program: <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>

Table F-1. Average Measured Concentrations of Constituents of Concern

Well ID	Arsenic (As)		Boron (B)		Chloride (Cl)		Iron (Fe)		Manganese (Mn)		Sodium (Na)		Nitrate (N)		Sulfate (SO ₄)		Total Dissolved Solids (TDS)	
	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA
4210002-004	0.003	0.004	0.00	0.08	65.87	74.33	0.05	0.03	0.03	0.01	43.49	44.00	2.84	3.84	72.87	124.00	339.85	450.00
4210002-007	0.002	0.003	0.12	0.08	75.33	76.50	0.01	0.04	0.02	0.01	66.50	63.50	1.86	2.06	177.25	165.50	576.00	565.00
4210002-009	0.005	0.005	0.05	0.08	69.00	69.40	0.11	0.05	0.01	0.01	45.50	45.40	1.67	2.36	135.50	119.50	422.50	434.00
4210002-012	–	0.004	–	0.10	–	74.00	–	0.05	–	0.01	–	66.50	–	0.95	–	162.00	–	550.00
4210700-001	0.006	0.006	0.08	0.14	86.87	84.50	0.38	0.83	0.05	0.07	94.24	66.50	0.08	0.01	75.44	77.50	450.53	455.00
4210700-002	0.005	0.005	0.07	0.15	104.92	105.00	0.35	0.27	0.04	0.05	72.03	77.00	0.07	0.02	77.85	79.50	499.83	500.00
4210700-003	0.003	–	0.23	0.16	121.69	112.50	0.14	0.55	0.06	0.08	1,555.71	76.50	0.06	0.01	93.76	135.00	528.94	580.00
4210700-016	0.003	0.004	0.09	0.18	132.14	130.00	0.69	0.34	0.06	0.07	80.14	80.50	0.07	0.01	71.24	72.50	520.43	515.00
AGC100000001-CCGC_0581	–	–	–	–	–	70.00	–	–	–	–	–	66.00	–	0.08	–	104.00	–	488.00
AGL020000787-OFFICE_D	–	–	–	–	–	222.50	–	–	–	–	–	118.75	–	1.40	–	133.33	–	686.25
AGL020000787-WELL2_WH	–	–	–	–	–	62.40	–	–	–	–	–	65.00	–	0.05	–	88.70	–	490.00
AGL020000788-#1 OLD	–	–	–	–	102.33	109.00	–	–	–	–	72.00	76.65	0.09	–	180.00	210.50	740.33	820.00
AGL020000788-#2 NEW	–	–	–	–	97.67	104.00	–	–	–	–	72.00	71.70	0.20	–	176.67	201.00	737.00	785.00
AGL020000976-DW1	–	–	–	–	580.00	533.00	–	–	–	–	179.50	217.50	1.45	–	74.00	72.70	1,270.00	1,345.00
AGL020000976-IW3	–	–	–	–	67.50	64.00	–	–	–	–	43.00	43.45	1.10	–	41.50	27.40	300.00	280.00
AGL020000990-AG WELL	–	–	–	–	23.00	23.00	–	–	–	–	24.50	26.80	3.11	–	11.00	9.50	160.00	120.00
AGL020000990-DOMESTIC WELL	–	–	–	–	41.00	37.00	–	–	–	–	31.00	32.20	6.10	–	24.00	21.20	235.00	210.00
AGL020001186-CARRARI	–	–	–	–	79.00	84.00	–	–	–	–	53.00	50.70	–	–	149.00	158.50	510.00	460.00
AGL020001186-DANS HOUSE	–	–	–	–	108.00	113.50	–	–	–	–	70.00	68.50	–	–	303.00	295.00	810.00	720.00
AGL020001194-LOS ALAMOS	–	–	–	–	75.00	84.50	–	–	–	–	54.00	57.95	–	–	136.00	150.00	490.00	495.00
AGL020001197-DON MIGUEL	–	–	–	–	65.00	65.50	–	–	–	–	54.00	52.95	–	–	121.00	119.00	460.00	430.00
AGL020001199-RONS HOUSE	–	–	–	–	60.00	62.00	–	–	–	–	44.00	43.80	–	–	82.80	96.30	390.00	365.00
AGL020001230-DOMESTIC WELL	–	–	–	–	21.00	21.00	–	–	–	–	21.50	21.80	2.44	–	12.00	11.95	170.00	140.00
AGL020001230-WELL #6	–	–	–	–	35.00	39.00	–	–	–	–	30.00	34.80	0.90	–	76.00	99.65	270.00	315.00
AGL020003431-DOM/IRR	–	–	–	–	52.50	60.00	–	–	–	–	82.50	81.20	–	–	287.50	275.00	795.50	800.00
AGL020003506-RANCH11_IR	–	–	–	–	103.00	–	–	–	–	–	71.00	–	0.33	–	66.00	–	467.50	–
AGL020003593-WELL 1	–	–	–	–	68.65	100.00	–	–	–	–	65.80	86.00	4.16	0.16	219.50	190.00	793.00	790.00
AGL020003826-BEVENS WELL	–	–	–	–	91.50	100.00	–	–	–	–	61.00	60.10	3.16	–	123.50	124.50	630.00	615.00
AGL020003826-BEVENS WELL 2	–	–	–	–	55.00	51.50	–	–	–	–	59.00	53.40	–	–	134.50	123.50	525.00	480.00
AGL020003826-MONIGHETTI	–	–	–	–	90.50	95.50	–	–	–	–	59.00	59.45	3.09	–	126.00	122.50	600.00	590.00
AGL020004324-GEOFFREY_D	–	–	–	–	144.50	169.00	–	–	–	–	106.50	113.00	7.93	13.00	153.00	169.00	844.00	920.00
AGL020004324-GEOFFREY_I	–	–	–	–	69.00	79.30	–	–	–	–	73.00	75.00	–	0.05	206.50	230.00	708.50	765.00
AGL020004328-MISSIONP_I	–	–	–	–	87.50	99.10	–	–	–	–	56.00	82.00	0.20	2.20	193.50	88.70	667.00	590.00
AGL020004330-MISSIONT_D	–	–	–	–	178.00	158.00	–	–	–	–	70.00	75.00	4.88	6.20	120.00	142.00	745.50	663.00
AGL020004330-MISSIONT_I	–	–	–	–	78.67	77.30	–	–	–	–	58.33	72.00	2.48	1.40	122.50	168.00	558.00	633.00
AGL020004333-JFWNEELY_I	–	–	–	–	–	74.30	–	–	–	–	–	92.00	–	0.08	–	247.00	–	749.50
AGL020004334-SAINZ_DOM	–	–	–	–	258.00	–	–	–	–	–	128.00	–	9.85	–	94.00	–	888.00	–

Well ID	Arsenic (As)		Boron (B)		Chloride (Cl)		Iron (Fe)		Manganese (Mn)		Sodium (Na)		Nitrate (N)		Sulfate (SO ₄)		Total Dissolved Solids (TDS)	
	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA
AGL020004336-BARHAMV_D	--	--	--	--	80.00	81.95	--	--	--	--	69.00	66.50	0.20	0.47	66.00	67.70	406.00	399.00
AGL020004336-BARHAMV_I	--	--	--	--	32.50	37.80	--	--	--	--	66.00	102.00	0.33	0.10	202.50	256.00	584.00	717.00
AGL020004336-BARHAMV2_D	--	--	--	--	61.00	64.30	--	--	--	--	37.00	40.00	1.48	1.50	13.50	14.40	284.00	263.00
AGL020004388-DW	--	--	--	--	67.50	68.95	--	--	--	--	51.90	55.50	2.30	2.65	12.45	12.15	418.00	378.50
AGL020004388-WELL 1	--	--	--	--	26.70	26.50	--	--	--	--	26.40	29.00	0.54	0.45	26.10	25.85	323.00	194.50
AGL020004388-WELL 3	--	--	--	--	98.30	96.50	--	--	--	--	60.90	61.00	3.34	3.80	53.40	49.50	637.00	503.00
AGL020004388-WELL 4	--	--	--	--	84.20	75.25	--	--	--	--	47.80	46.00	3.03	3.40	80.40	54.55	563.00	363.00
AGL020004396-DW	--	--	--	--	93.10	69.65	--	--	--	--	195.00	102.50	1.40	0.18	443.33	505.50	1,186.67	1,255.00
AGL020004507-3207_I	--	--	--	--	199.67	--	--	--	--	--	116.00	--	8.65	--	181.67	--	923.00	--
AGL020004507-3507_I	--	--	--	--	203.50	--	--	--	--	--	148.00	--	15.63	--	277.00	--	1,158.50	--
AGL020004512-LOS ALAMOS #1	--	--	--	--	121.00	109.00	--	--	--	--	92.00	82.75	8.07	--	218.50	195.50	850.00	820.00
AGL020004512-LOS ALAMOS #5	--	--	--	--	52.50	54.50	--	--	--	--	72.50	47.90	--	--	170.00	108.05	560.00	410.00
AGL020004520-LOMA VERDE #1	--	--	--	--	58.00	54.50	--	--	--	--	40.50	44.55	2.90	--	23.50	97.10	295.00	435.00
AGL020004541-EL CAMINO #1	--	--	--	--	106.00	98.00	--	--	--	--	53.00	48.85	5.59	--	10.00	12.65	385.00	425.00
AGL020004541-EL CAMINO DW #1	--	--	--	--	144.50	130.50	--	--	--	--	68.00	63.60	2.67	--	153.00	176.00	665.00	705.00
AGL020004845-RANCH1_IRR	--	--	--	--	82.00	--	--	--	--	--	56.00	--	7.10	--	151.00	--	676.50	--
AGL020004945-WELL 1	--	--	0.05	0.06	32.63	23.60	--	--	--	--	33.73	26.60	6.99	5.01	33.47	22.34	218.67	245.00
AGL020004945-WELL 2	--	--	--	--	--	23.00	--	--	--	--	--	28.35	--	--	--	17.75	--	215.00
AGL020004975-RANCH7_IRR	--	--	--	--	73.50	--	--	--	--	--	55.50	--	1.10	--	192.00	--	653.00	--
AGL020007205-DOMESTIC	--	--	--	--	--	--	--	--	--	--	--	--	--	0.05	--	--	--	--
AGL020007472-MAIN WELL	--	--	--	--	--	63.00	--	--	--	--	--	43.00	--	2.90	--	76.00	--	360.00
AGL020007578-DOMESTIC	--	--	--	--	39.40	43.80	--	--	--	--	26.45	31.00	1.72	1.28	50.70	46.80	370.00	368.00
AGL020007578-PRIMARY AG	--	--	--	--	40.00	42.40	--	--	--	--	26.35	28.00	1.85	1.25	52.25	61.60	373.00	300.00
AGL020008902-DOMESTIC	--	--	--	--	96.67	48.10	--	--	--	--	36.37	44.00	4.84	0.57	22.13	34.00	342.33	317.00
AGL020008902-WELL 4	--	--	--	--	63.85	--	--	--	--	--	36.00	--	1.21	0.30	33.75	--	280.00	--
AGL020008902-WELL 5	--	--	--	--	--	61.50	--	--	--	--	--	42.00	--	1.45	--	34.20	--	300.00
AGL020010504-WELL 1	--	--	--	--	89.00	150.00	--	--	--	--	101.00	125.00	1.10	0.04	161.00	270.00	735.50	960.00
AGL020010504-WELL 2	--	--	--	--	128.50	130.00	--	--	--	--	123.00	116.67	0.05	1.70	248.00	236.67	959.50	880.00
AGL020011702-DOMESTIC	--	--	--	--	340.50	358.00	--	--	--	--	196.50	218.00	3.05	0.43	393.50	446.00	1,427.50	1,610.00
AGL020012002-WELL 13	--	--	--	--	96.20	--	--	--	--	--	65.60	--	0.79	0.50	79.40	--	461.50	--
AGL020014928-IRRIGATION	--	--	--	--	25.50	--	--	--	--	--	29.50	--	1.60	--	182.50	--	573.00	--
AGL020020322-ALISOS_IRR	--	--	--	--	62.50	60.50	--	--	--	--	42.00	46.65	1.48	--	63.50	60.05	360.00	330.00
AGL020022802-RANCH9_IRR	--	--	--	--	--	--	--	--	--	--	--	--	--	0.05	--	--	--	--
AGL020026466-WELL6_IRR	--	--	--	--	--	139.00	--	--	--	--	--	92.70	--	--	--	149.00	--	650.00
AGL020026804-R4-W-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AGL020027576-AW GLAD	--	--	--	--	--	--	--	--	--	--	--	--	--	0.05	--	--	--	--
AGL020027596-PH #1	--	--	--	--	--	88.50	--	--	--	--	--	60.60	--	--	--	161.50	--	575.00
AGL020027597-WELL 1	--	--	--	--	--	135.67	--	--	--	--	--	142.67	--	--	--	548.67	--	1,253.33

Well ID	Arsenic (As)		Boron (B)		Chloride (Cl)		Iron (Fe)		Manganese (Mn)		Sodium (Na)		Nitrate (N)		Sulfate (SO ₄)		Total Dissolved Solids (TDS)	
	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA	Pre-SGMA	Post-SGMA
AGL020027908-R2 W1 MONIG	--	--	--	--	--	54.00	--	--	--	--	--	79.90	--	--	--	221.50	--	675.00
AGL020027908-R2 W2 MONIG	--	--	--	--	--	34.00	--	--	--	--	--	46.40	--	--	--	145.00	--	485.00
AGL020027910-GLAD_WELL_3	--	--	--	--	--	91.80	--	--	--	--	--	62.00	--	0.40	--	75.90	--	440.00
AGL020027955-RANCH36_D	--	--	--	--	--	61.00	--	--	--	--	--	64.00	--	0.15	--	179.50	--	647.00
AGL020028062-3RAN2701_I	--	--	--	--	--	138.00	--	--	--	--	--	86.80	--	--	--	89.20	--	520.00
AGL020028148-WHITE48	--	--	--	--	--	100.00	--	--	--	--	--	71.00	--	0.05	--	100.00	--	580.00
AGL020028151-HARRIS51	--	--	--	--	--	210.00	--	--	--	--	--	130.00	--	9.30	--	190.00	--	970.00
AGL020028275-SHOKV DOM	--	--	--	--	--	79.50	--	--	--	--	--	60.55	--	--	--	263.00	--	815.00
AGL020028275-SHOKV IRR	--	--	--	--	--	104.50	--	--	--	--	--	74.25	--	--	--	450.00	--	1,165.00
AGL020028322-GLAD_WELL_11	--	--	--	--	--	113.00	--	--	--	--	--	70.00	--	0.70	--	68.00	--	443.00
AGL020029934-WELL 1 IRR	--	--	--	--	--	77.00	--	--	--	--	--	53.05	--	--	--	72.90	--	515.00
AGL020033821-NOLANAG#1_IRR	--	--	--	--	--	77.33	--	--	--	--	--	51.90	--	--	--	71.70	--	490.00
AGL020033821-NOLANAG#5_IRR	--	--	--	--	--	47.00	--	--	--	--	--	63.05	--	--	--	88.20	--	470.00
AGL020033821-NOLANAG#6_IRR	--	--	--	--	--	49.50	--	--	--	--	--	47.85	--	--	--	83.00	--	450.00
AGL020004324-GEOFFREY_BK3_I	--	--	--	--	--	163.00	--	--	--	--	--	112.00	--	12.30	--	166.00	--	890.00
AGL020004328-MISSIONP_21_D	--	--	--	--	--	234.00	--	--	--	--	--	134.00	--	7.60	--	178.00	--	1,020.00
AGL020004334-SAINZ_AW19	--	--	--	--	--	235.00	--	--	--	--	--	65.00	--	1.20	--	134.00	--	590.00
AGL020011862-WELL 10	--	--	--	--	--	168.00	--	--	--	--	--	107.00	--	0.17	--	148.00	--	725.00
AGL020033821-NOLANAG#2_IRR	--	--	--	--	--	68.50	--	--	--	--	--	59.00	--	--	--	106.50	--	440.00
AGL020035992-DOMESTIC	--	--	--	--	--	69.00	--	--	--	--	--	79.40	--	--	--	213.00	--	690.00
AGL020036042-MISSIONH_AW1	--	--	--	--	--	74.40	--	--	--	--	--	58.00	--	1.40	--	69.20	--	467.00
AGL020036258-TTT W1 IW	--	--	--	--	--	74.50	--	--	--	--	--	59.70	--	--	--	222.00	--	690.00
Water Quality Standards for Constituents of Concern																		
Maximum Contaminant Level (MCL)	0.01		--		--		--		--		--		10 ¹		--		--	
Secondary Maximum Contaminant Level (SMCL) ²	--		--		500		0.3		0.05		--		--		500		1,000	
Water Quality Objective (WQO)	--		0.2		150		--		--		100		5		150		600	

Notes

¹ Nitrate concentration measured as nitrogen (U.S. Environmental Protection Agency MCL)

² Upper consumer acceptance level

³ State of California Division of Drinking Water (DDW) MCL

All values reported as milligrams per liter (mg/L)

Sources for Water Quality Standards: SWRCB, 2018a and 2018b and RWQCB, 2019.

-- = no value or no concentrations available

SGMA = Sustainable Groundwater Management Act

MCL = maximum contaminant level (drinking water)

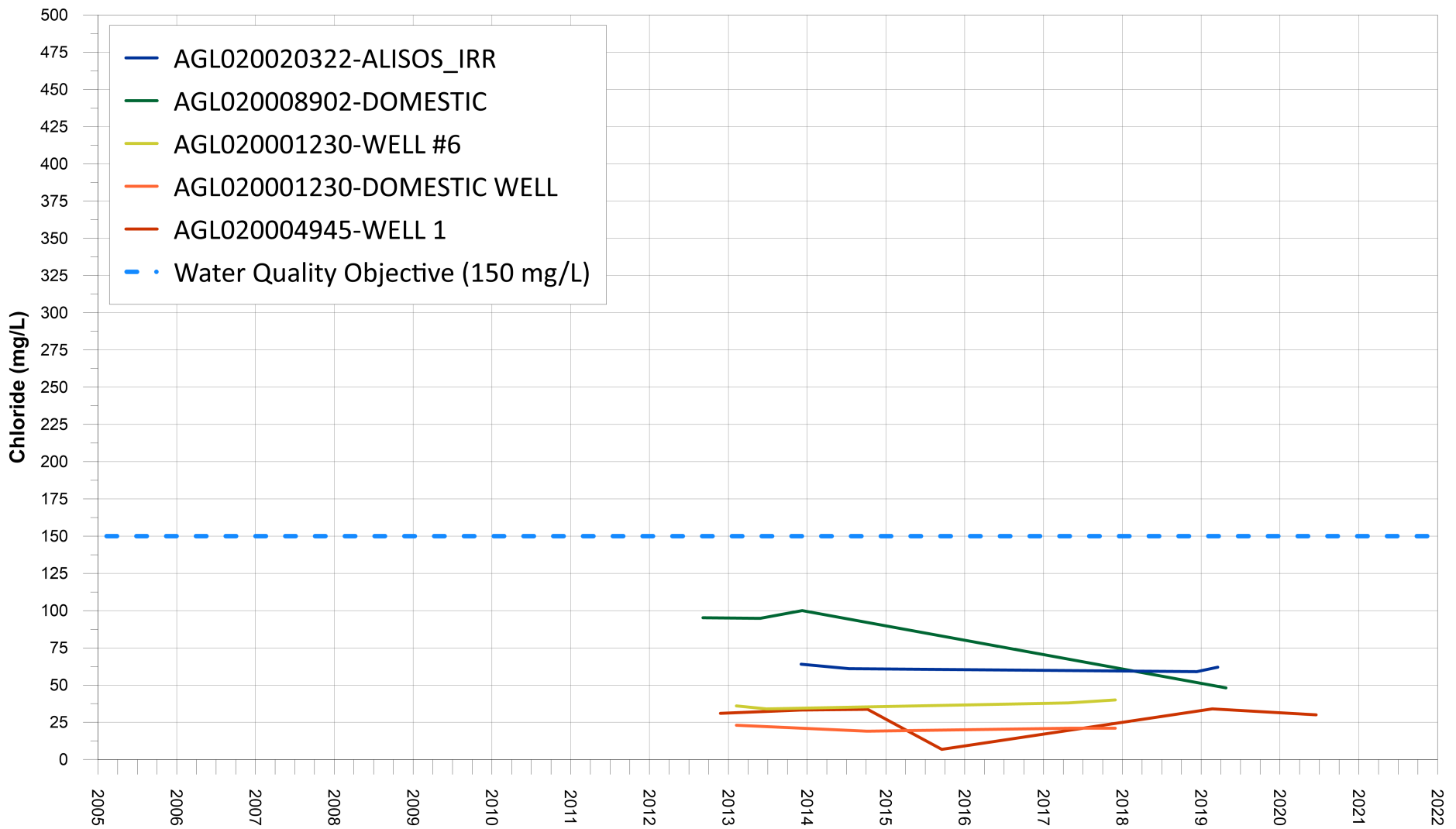
SMCL = secondary maximum contaminant level (drinking water)

mg/L = milligrams per liter

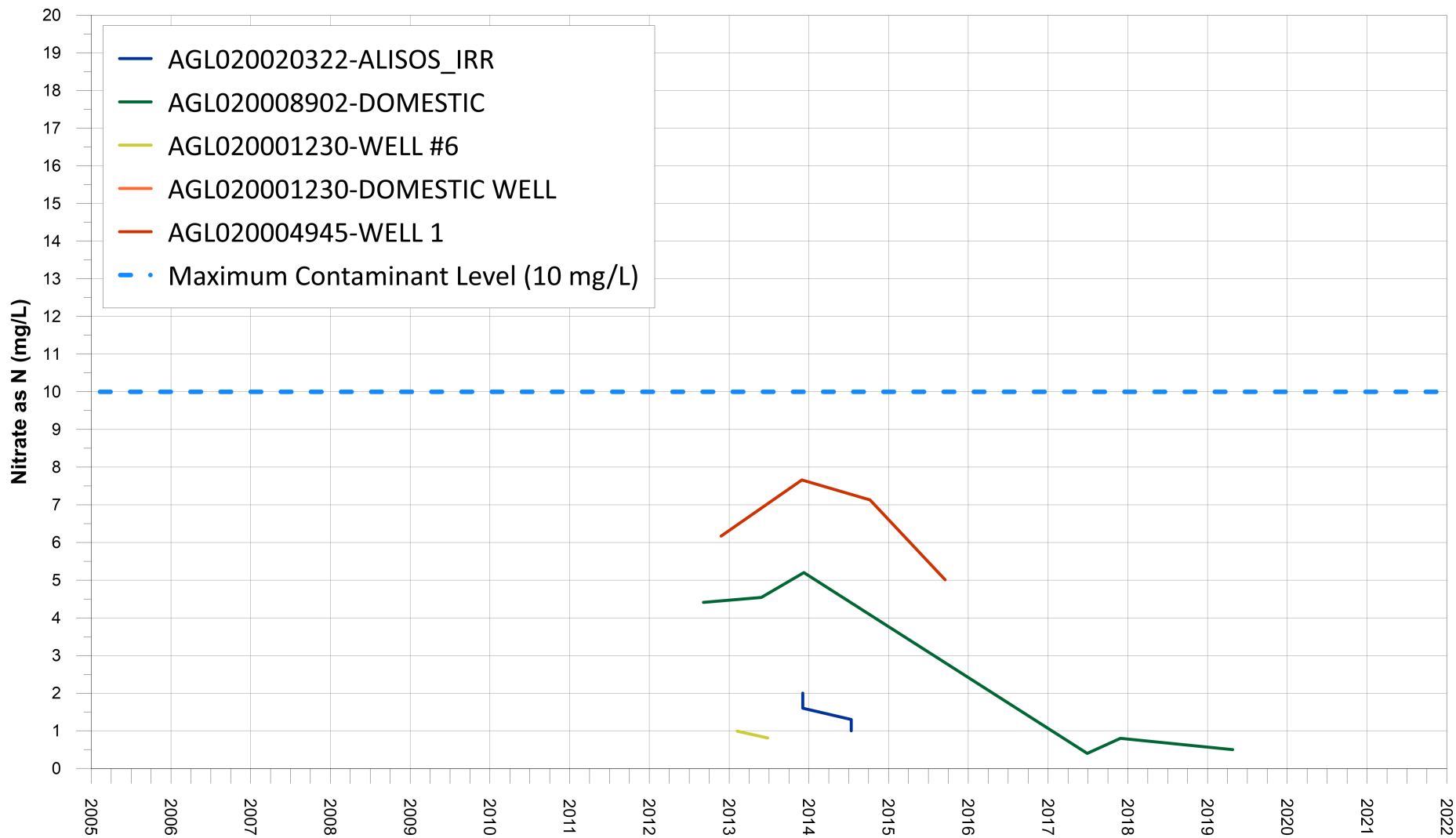
WQO = water quality objective (median groundwater objective)

Post-SGMA = 2015 or later

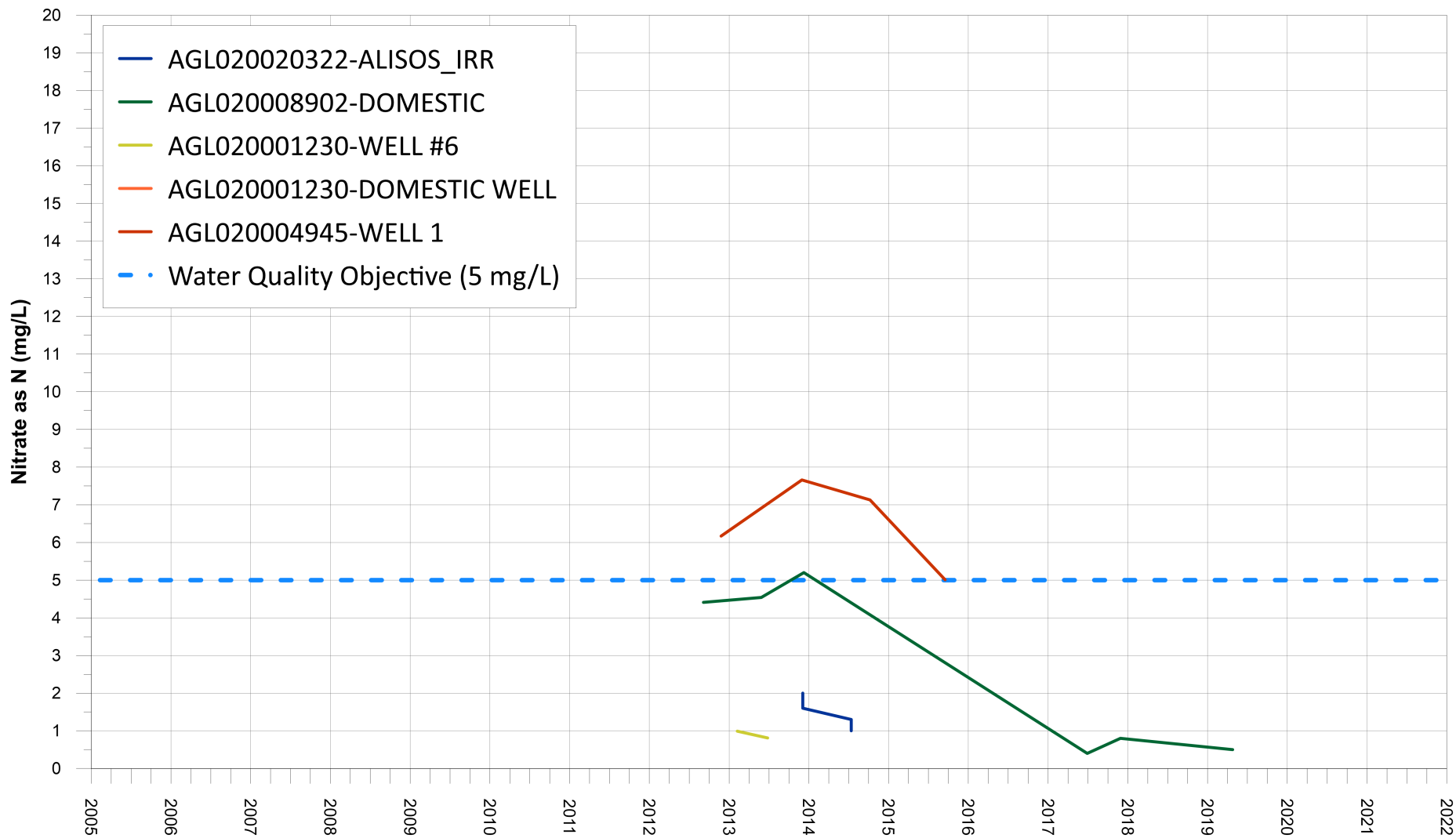
Pre-SGMA = before 2015



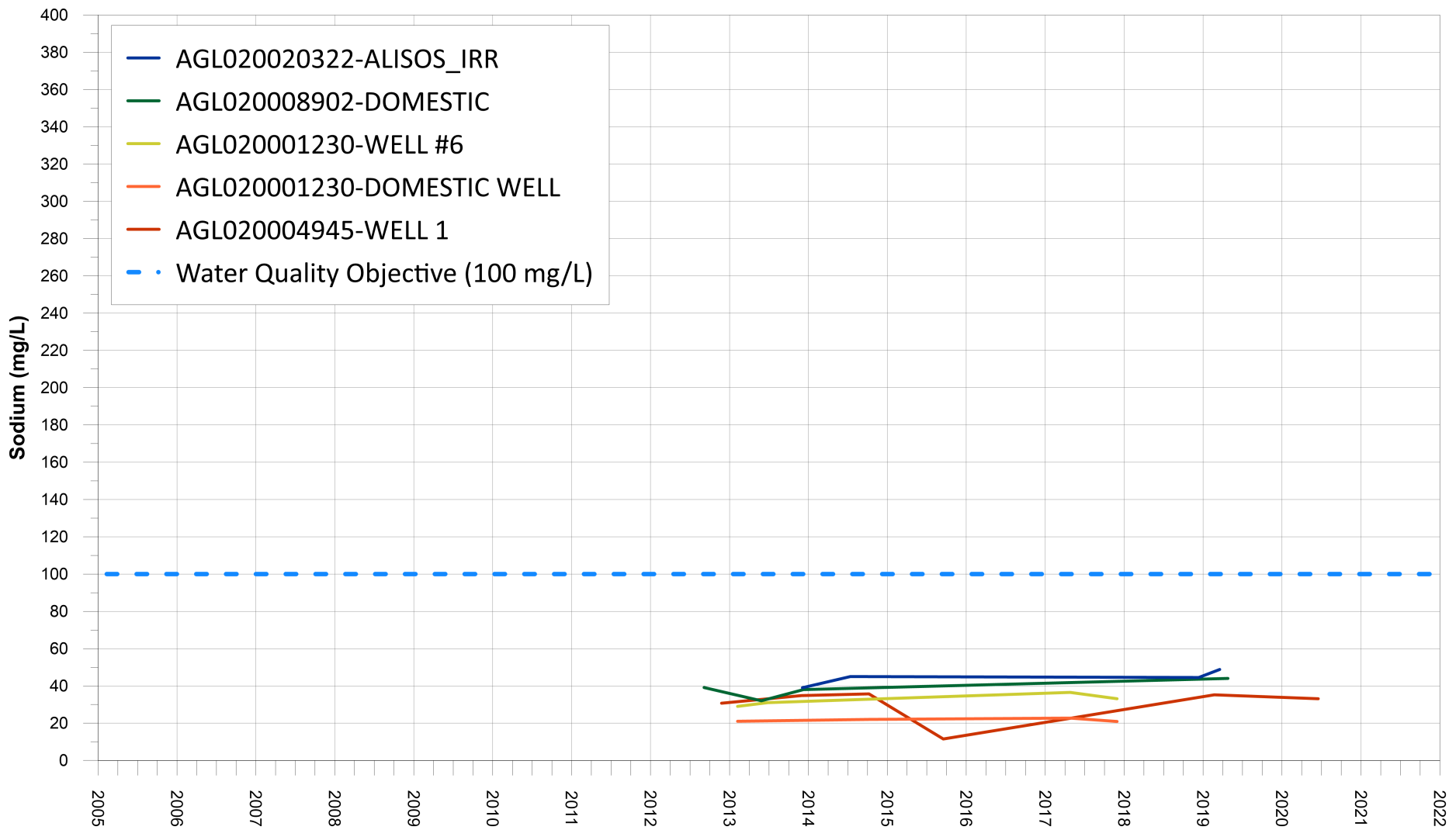
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 San Antonio Creek Valley Groundwater Basin
 Groundwater Sustainability Plan
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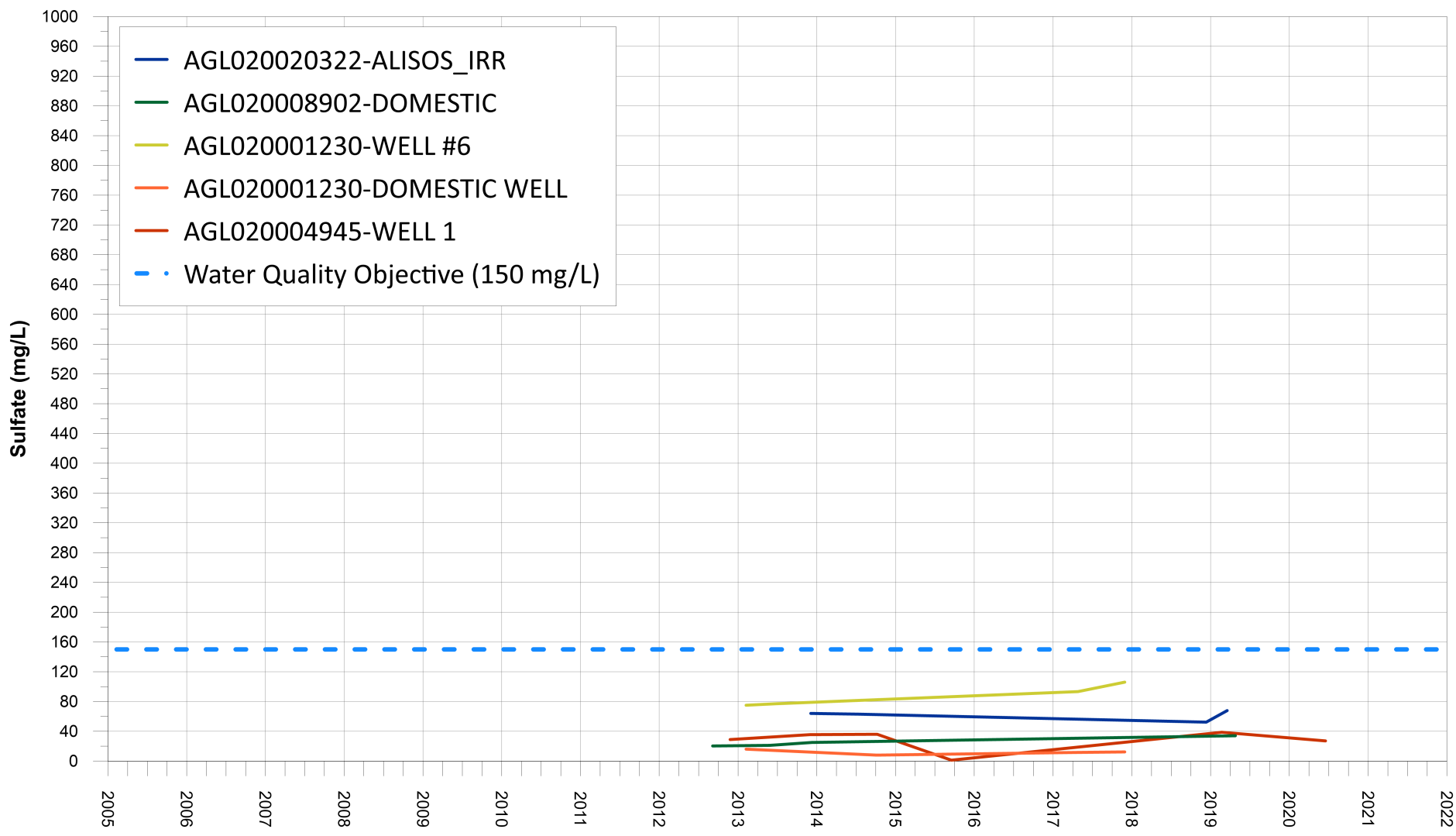
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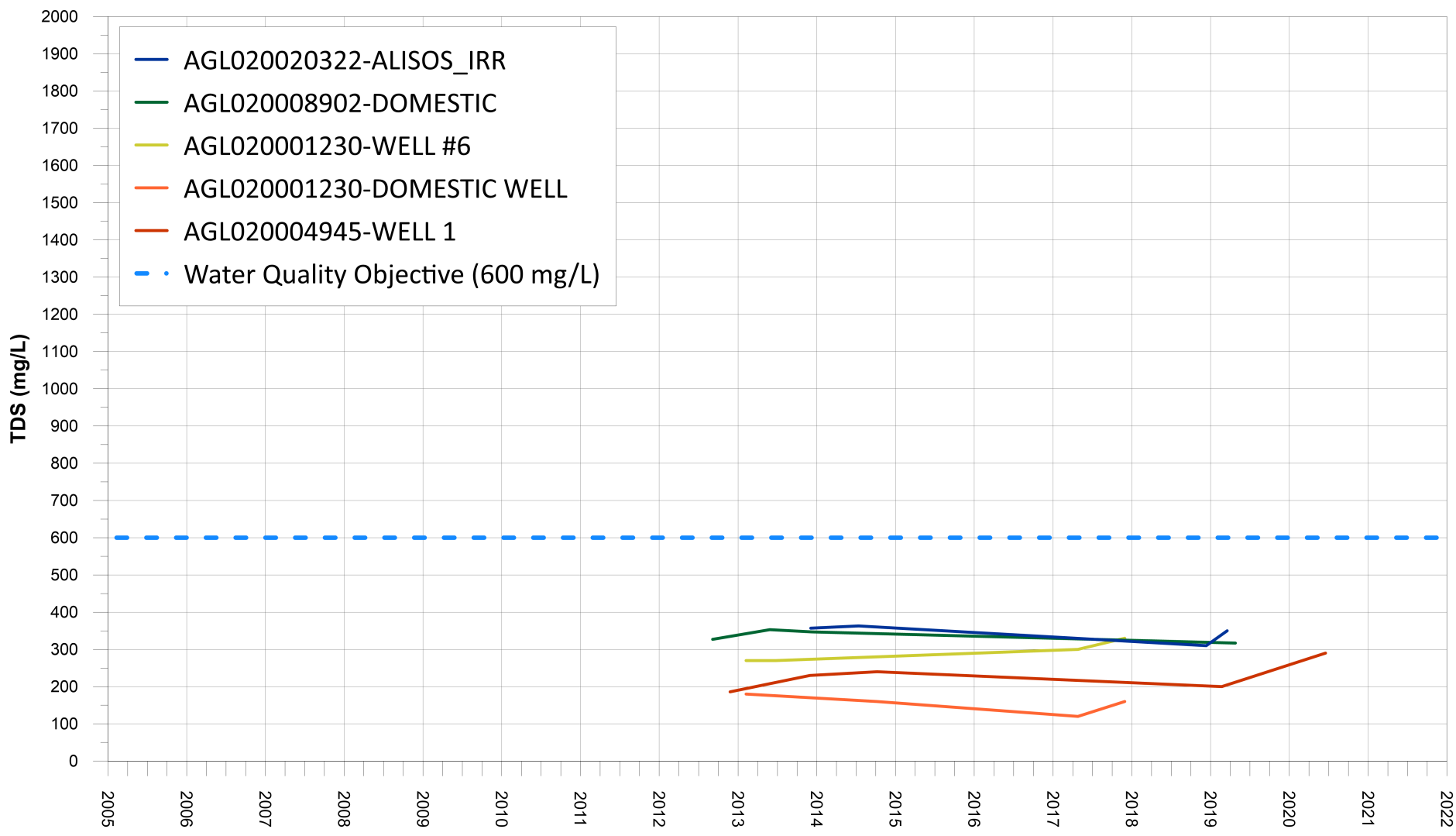


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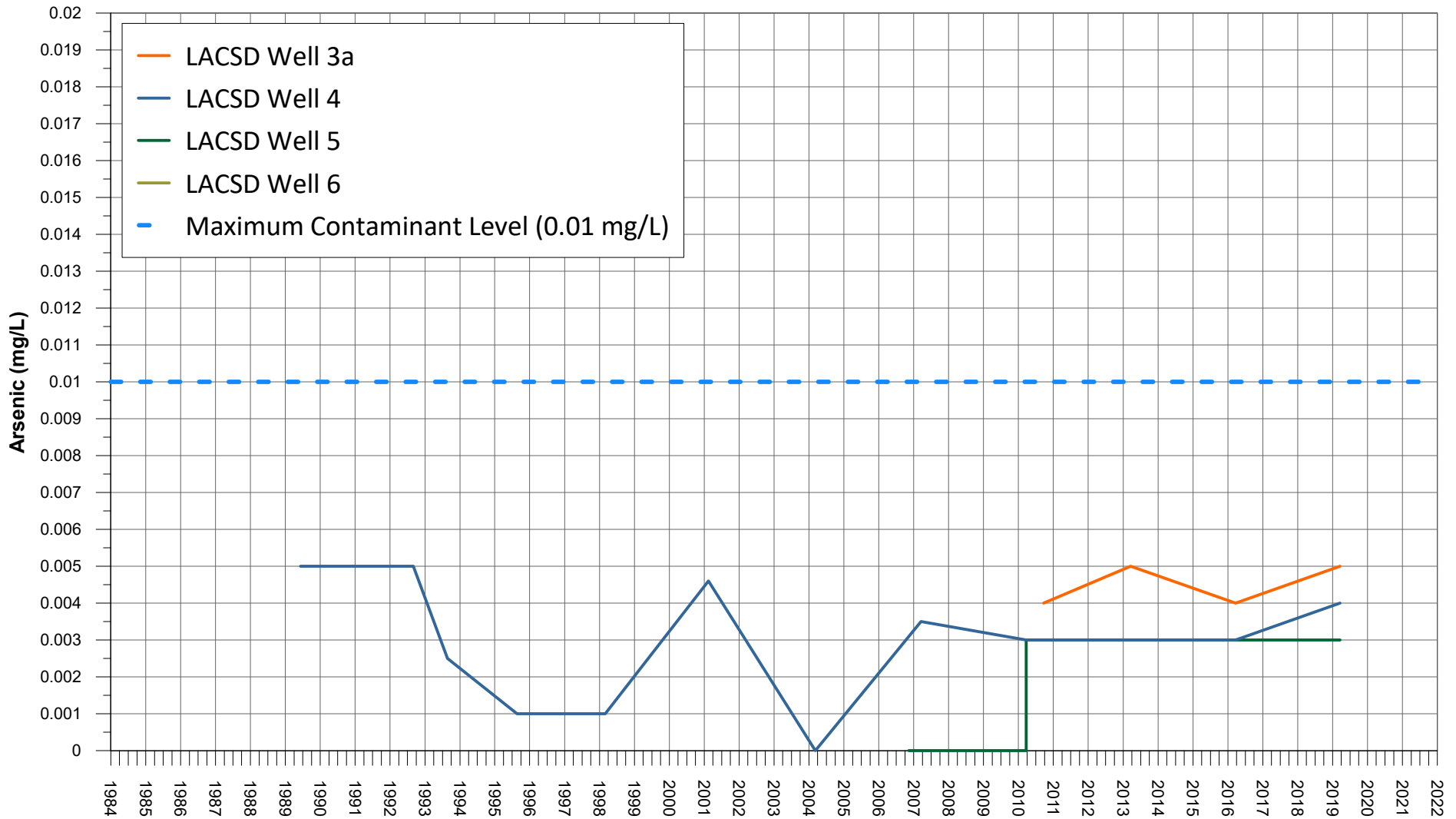
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 San Antonio Creek Valley Groundwater Basin
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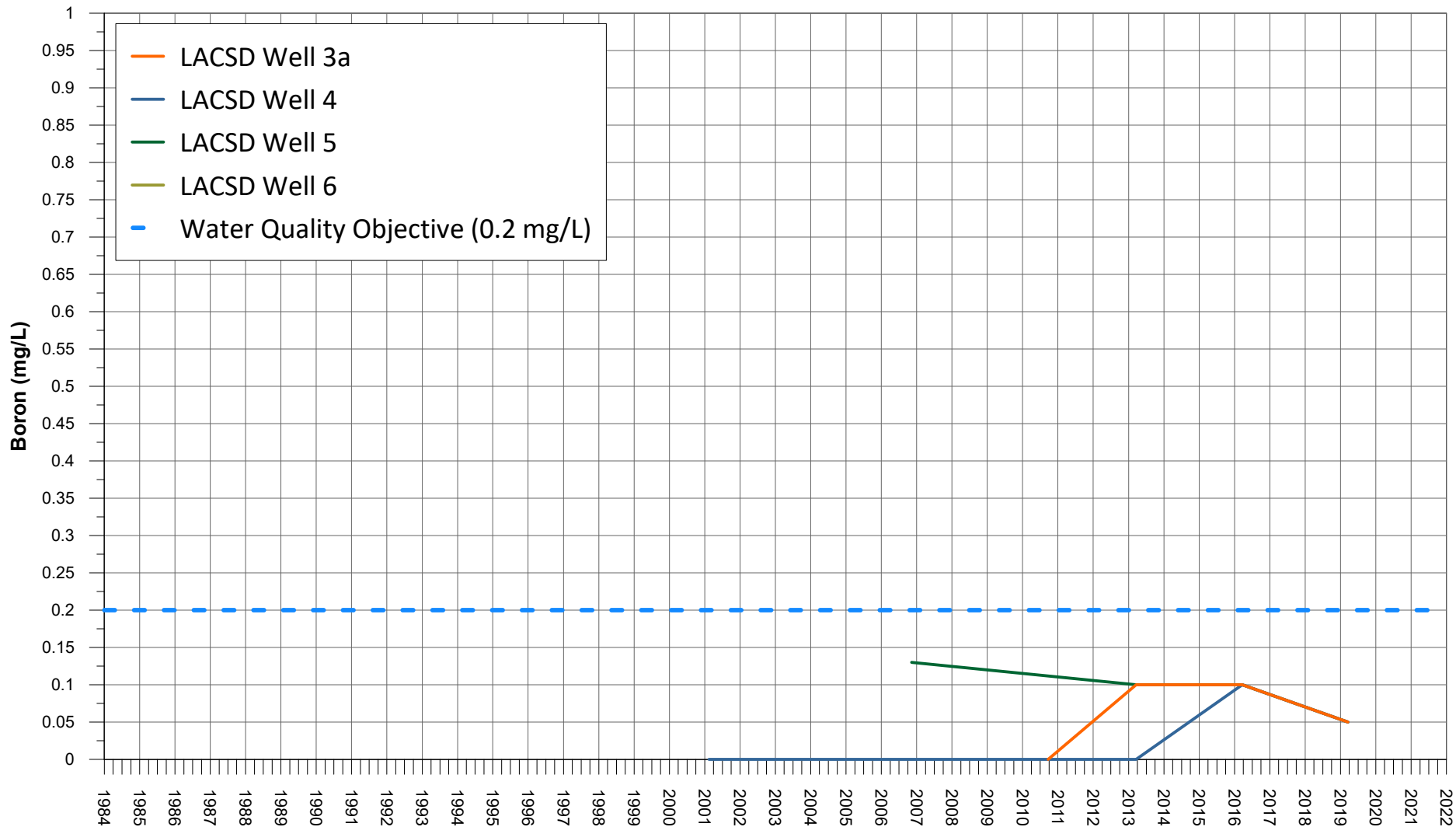


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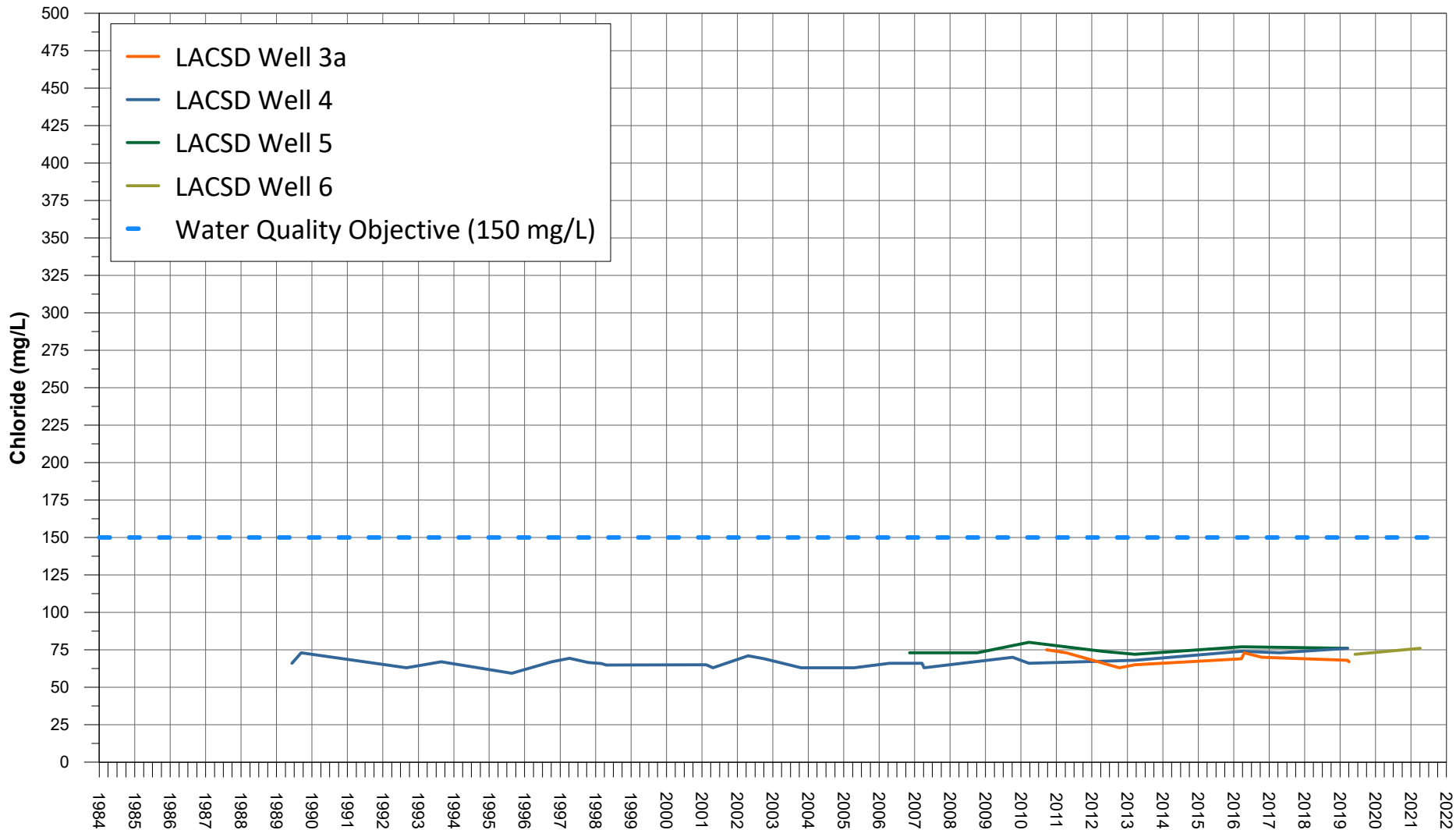




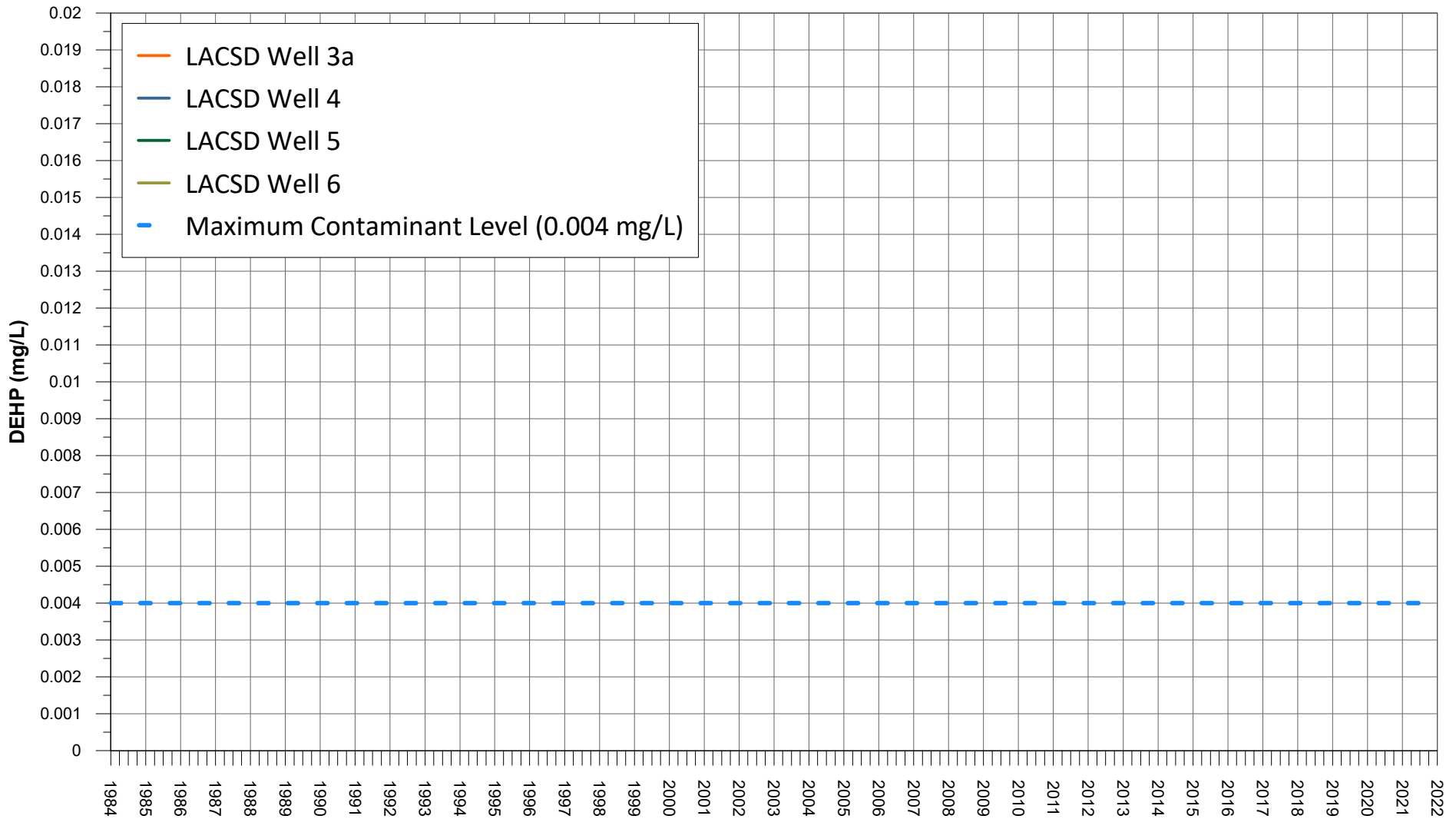
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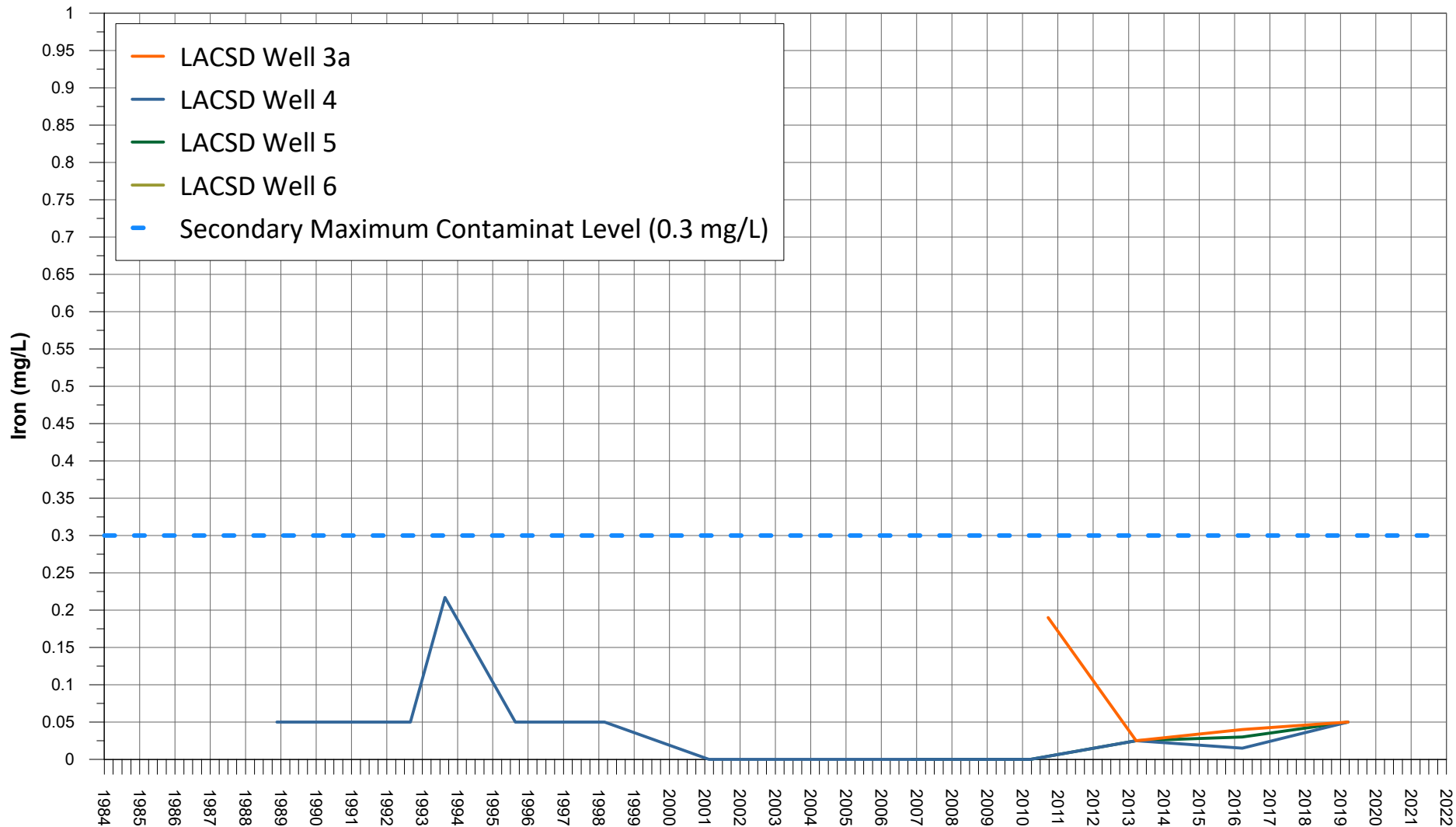
Los Alamos Community Services District Wells - Boron
 San Antonio Creek Valley Groundwater Basin
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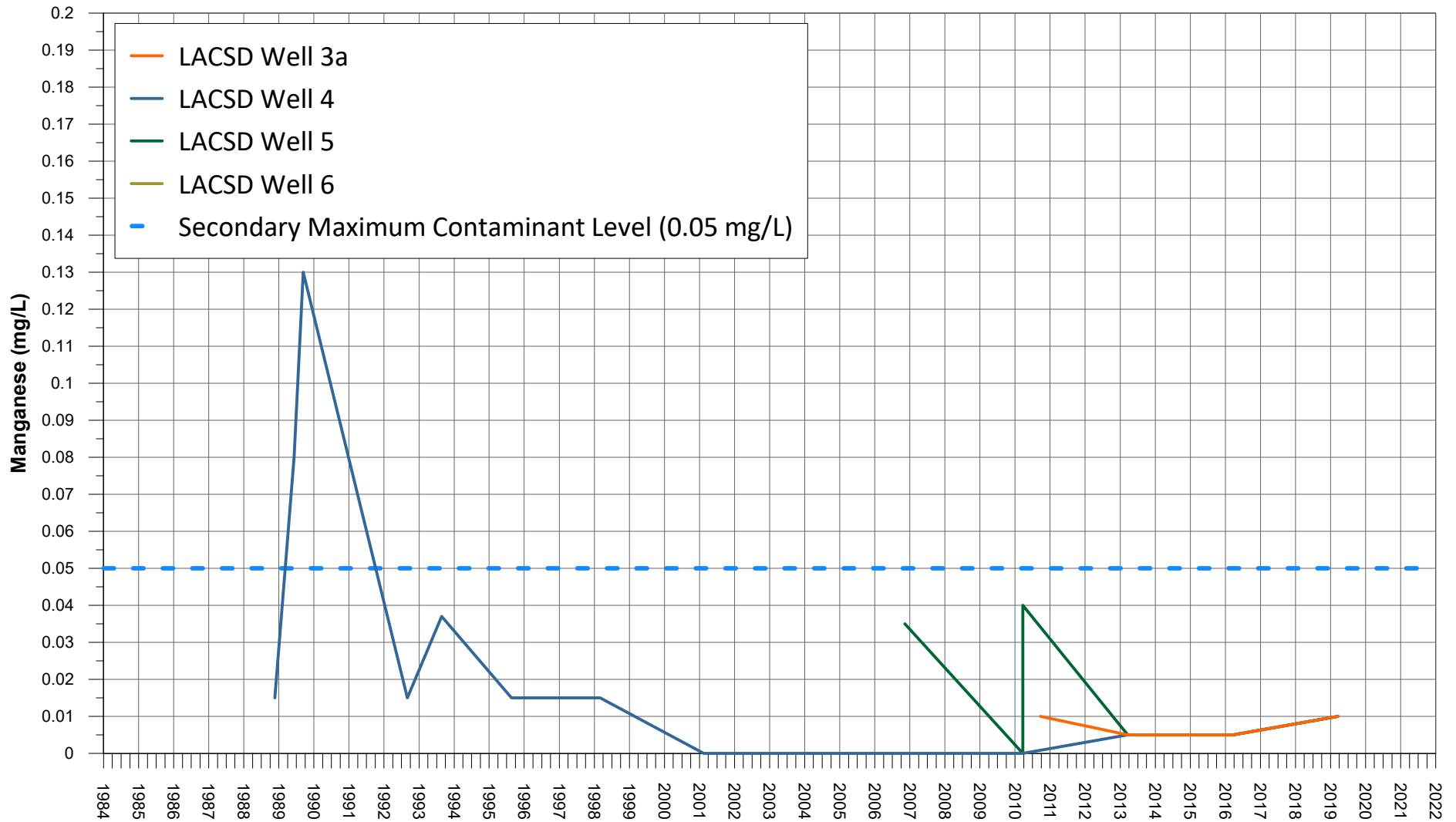
Los Alamos Community Services District Wells - Chloride
 San Antonio Creek Valley Groundwater Basin
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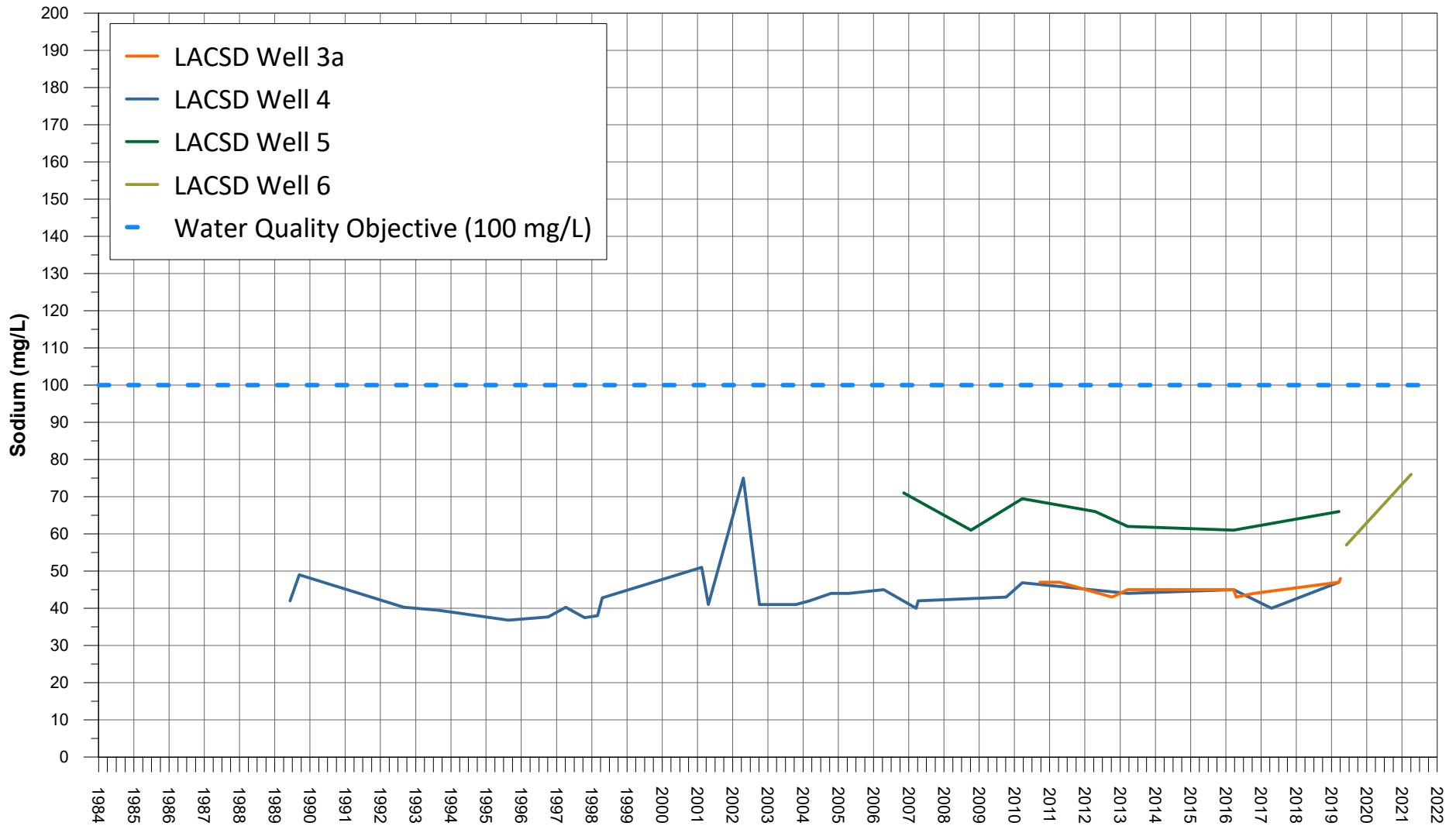
Los Alamos Community Services District Wells - DEHP
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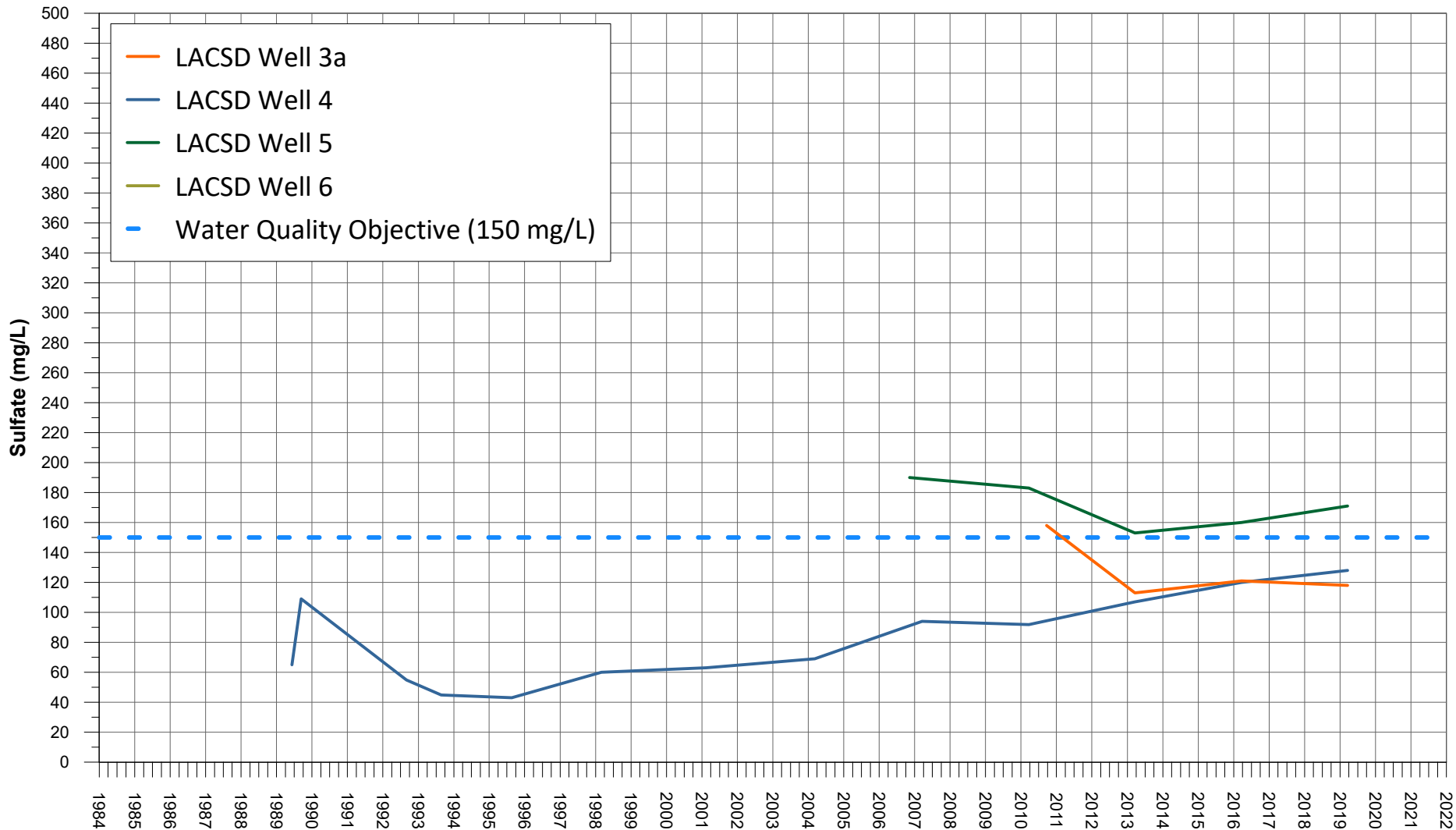
Los Alamos Community Services District Wells - Iron
 San Antonio Creek Valley Groundwater Basin
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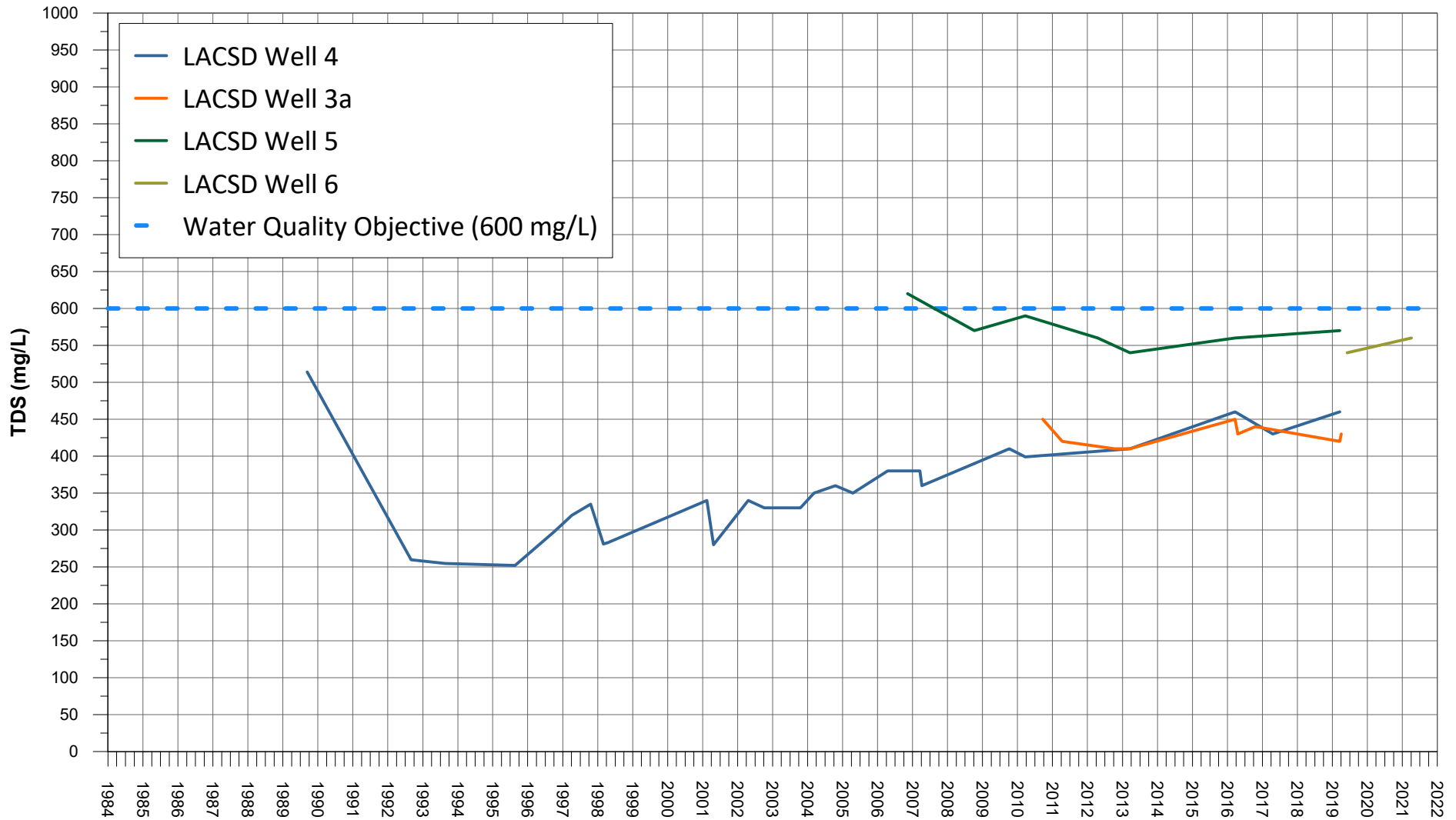
Los Alamos Community Services District Wells -Manganese
 San Antonio Creek Valley Groundwater Basin
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Los Alamos Community Services District Wells - Sodium
 San Antonio Creek Valley Groundwater Basin
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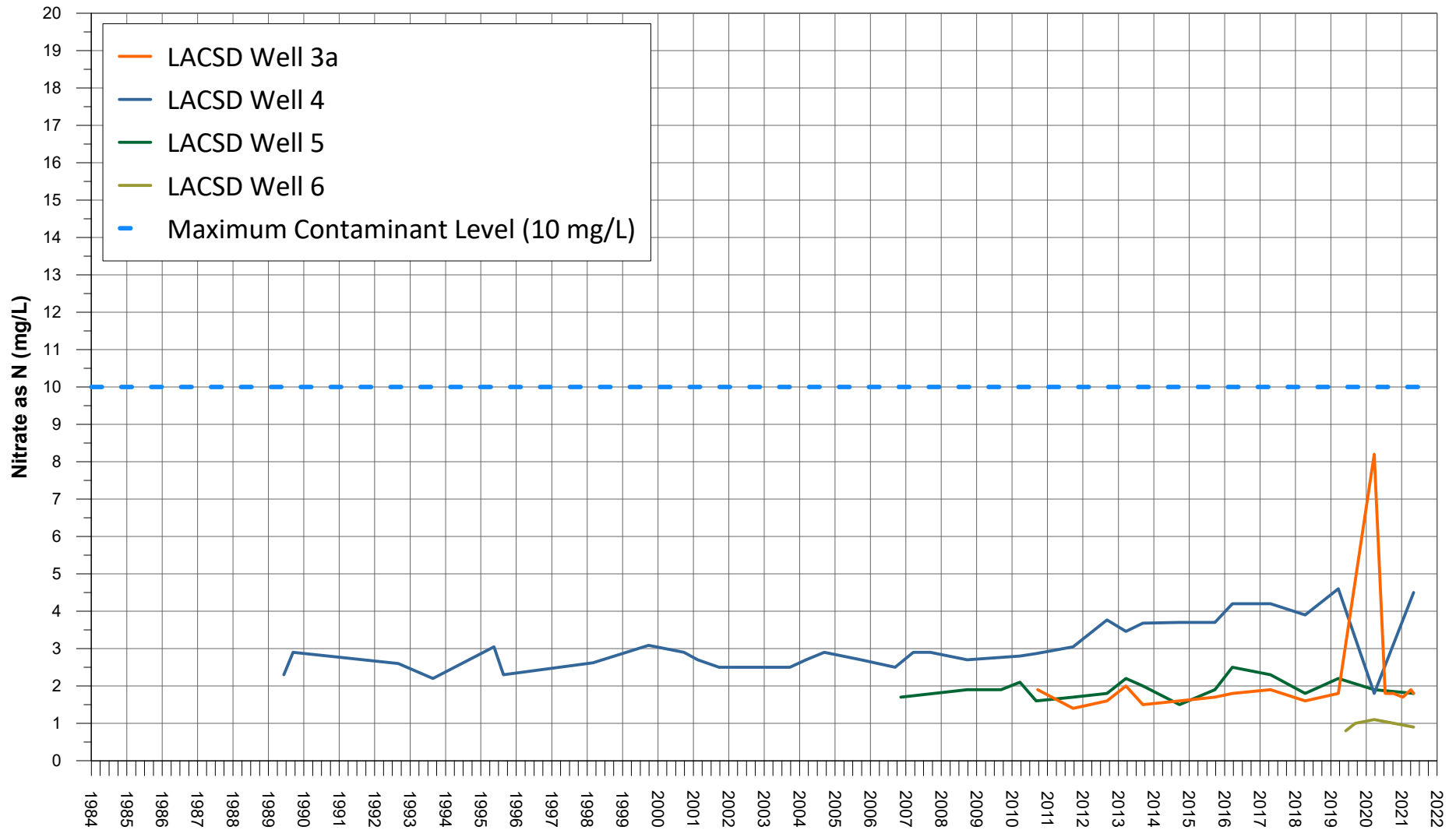


Los Alamos Community Services District Wells - Sulfate
 San Antonio Creek Valley Groundwater Basin
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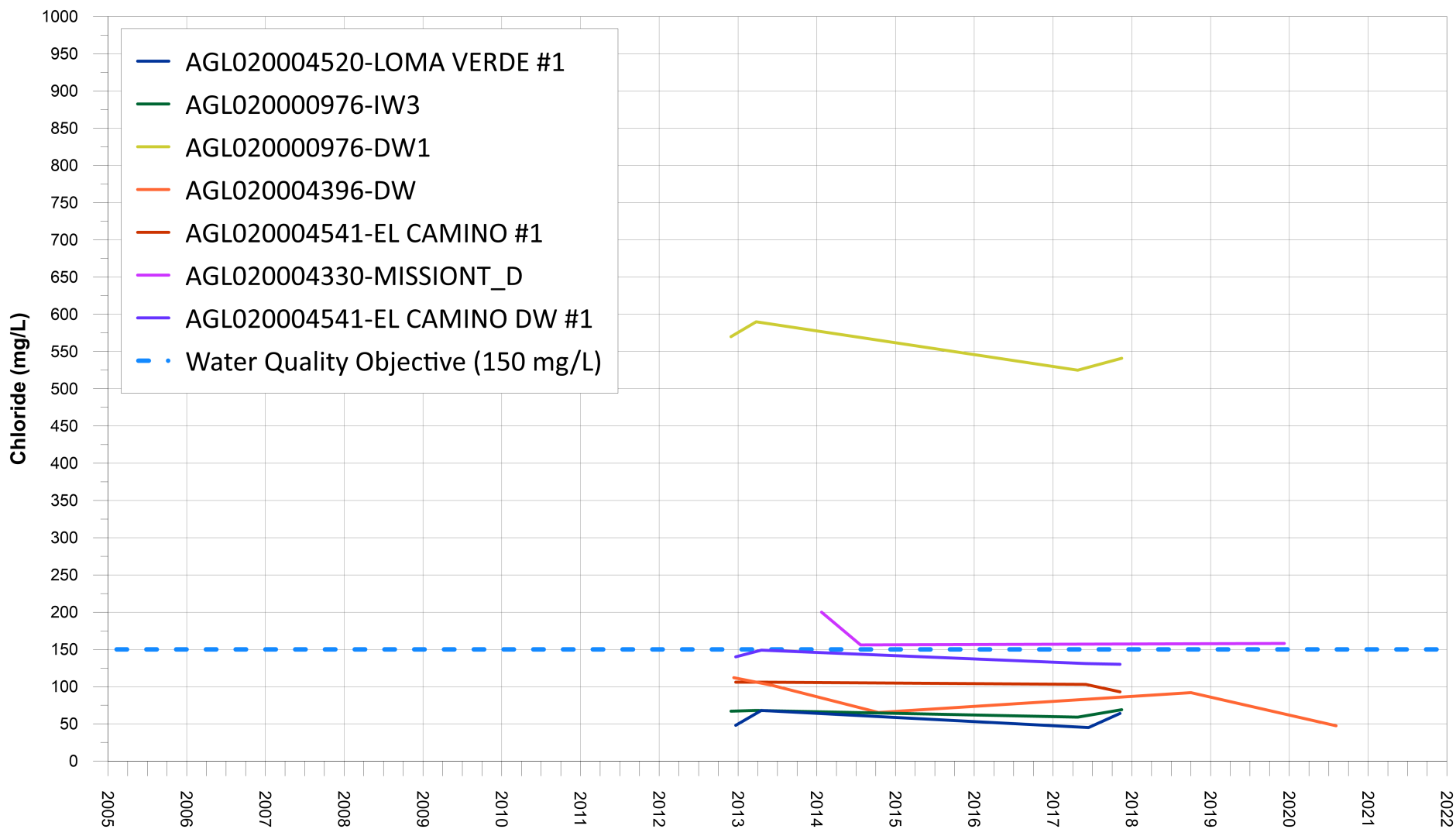


Los Alamos Community Services District Wells - TDS

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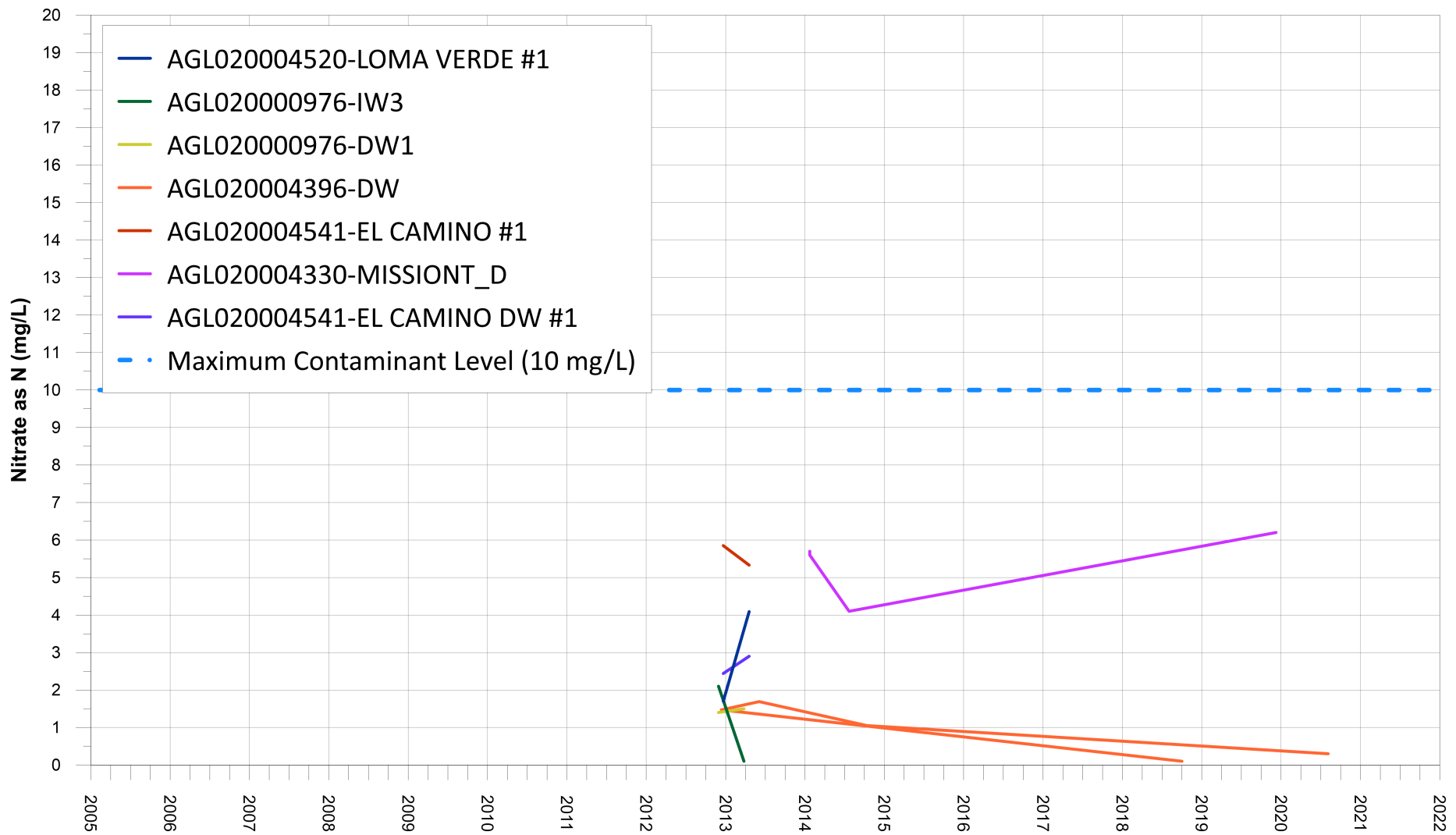


Los Alamos Community Services District Wells - Nitrate as N
 San Antonio Creek Valley Groundwater Basin
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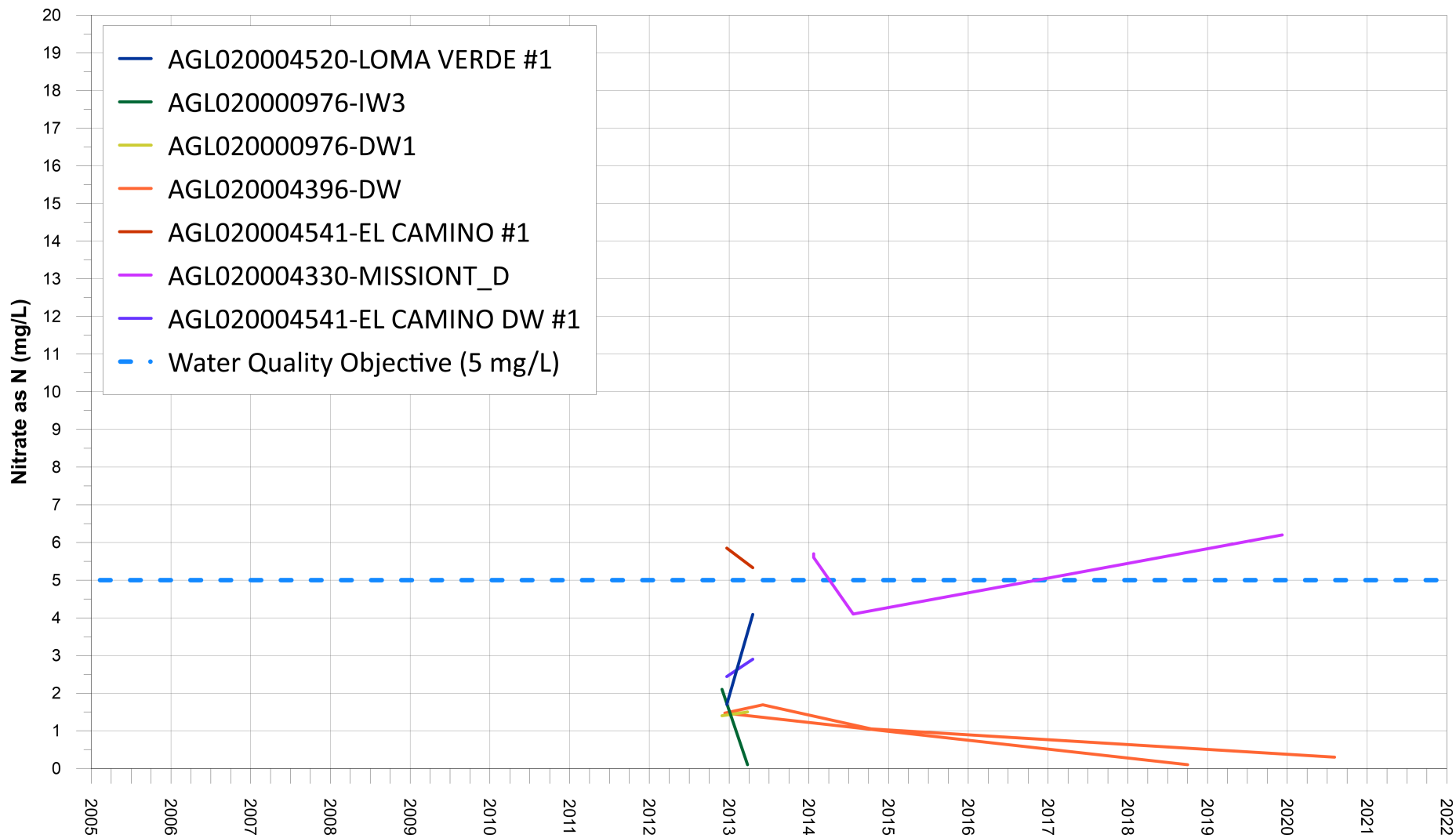


North of Los Alamos - Chloride
 San Antonio Creek Valley Groundwater Basin
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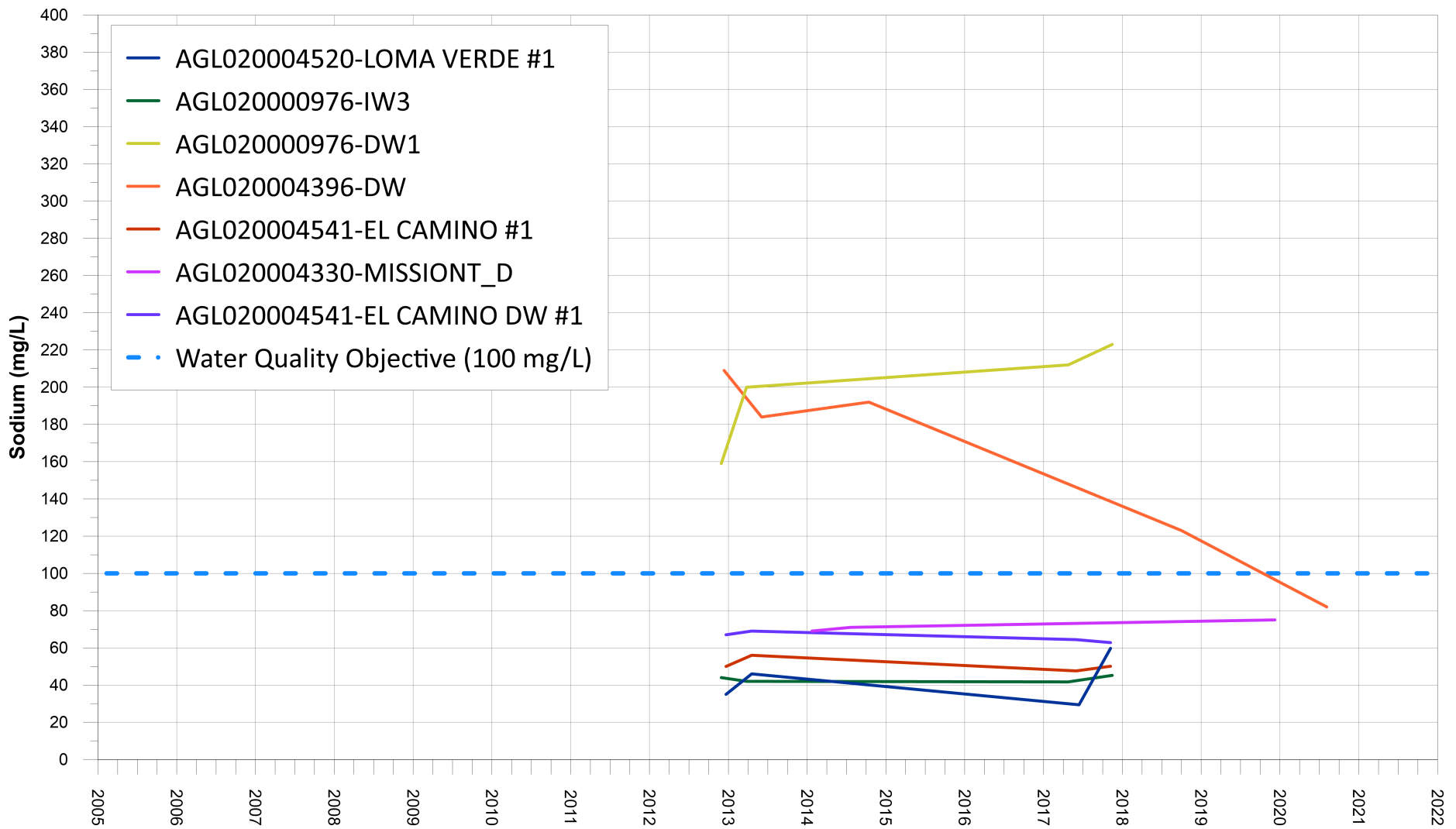




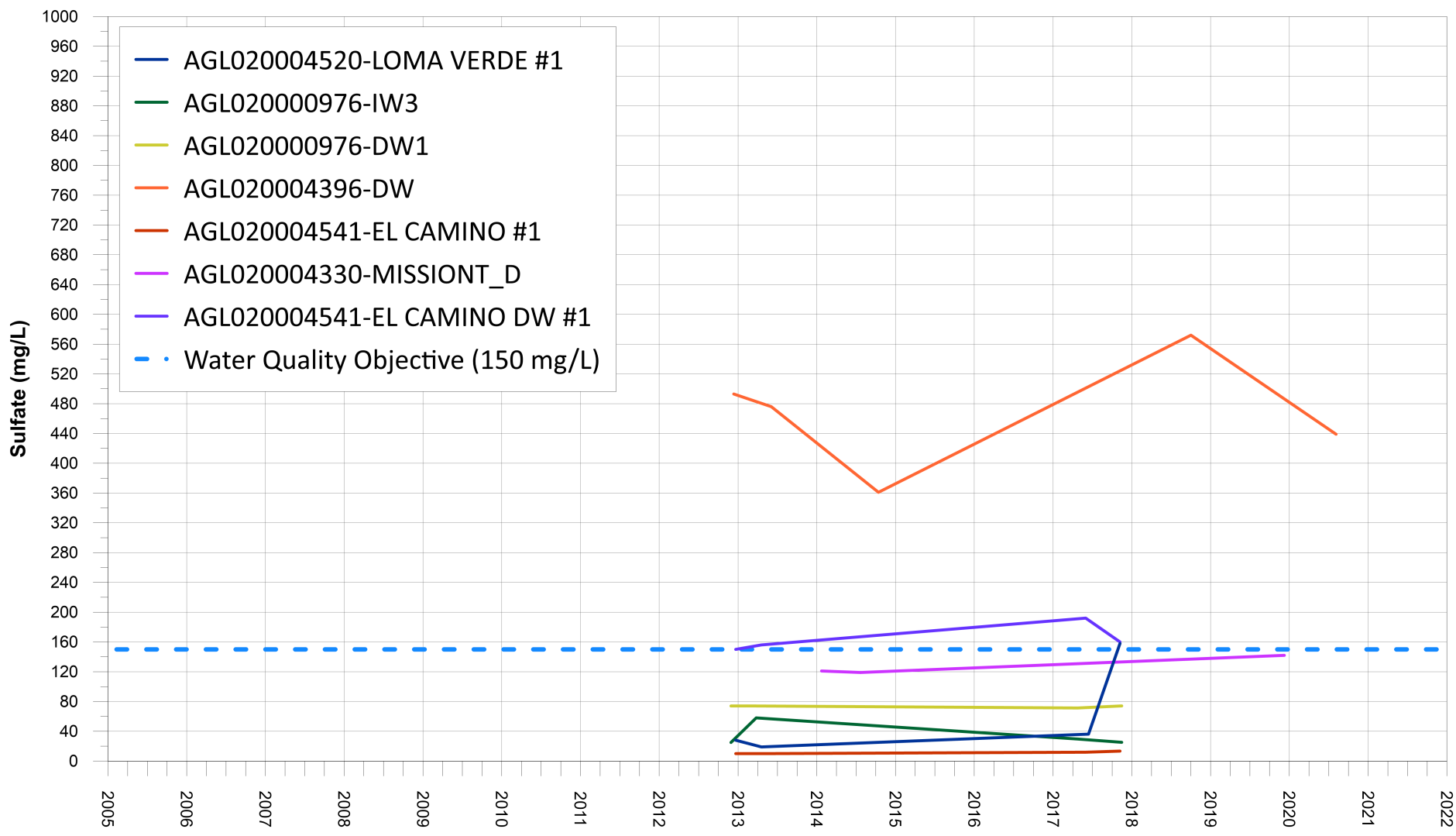
North of Los Alamos - Nitrate as N
 San Antonio Creek Valley Groundwater Basin
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North of Los Alamos - Nitrate as N
 San Antonio Creek Valley Groundwater Basin
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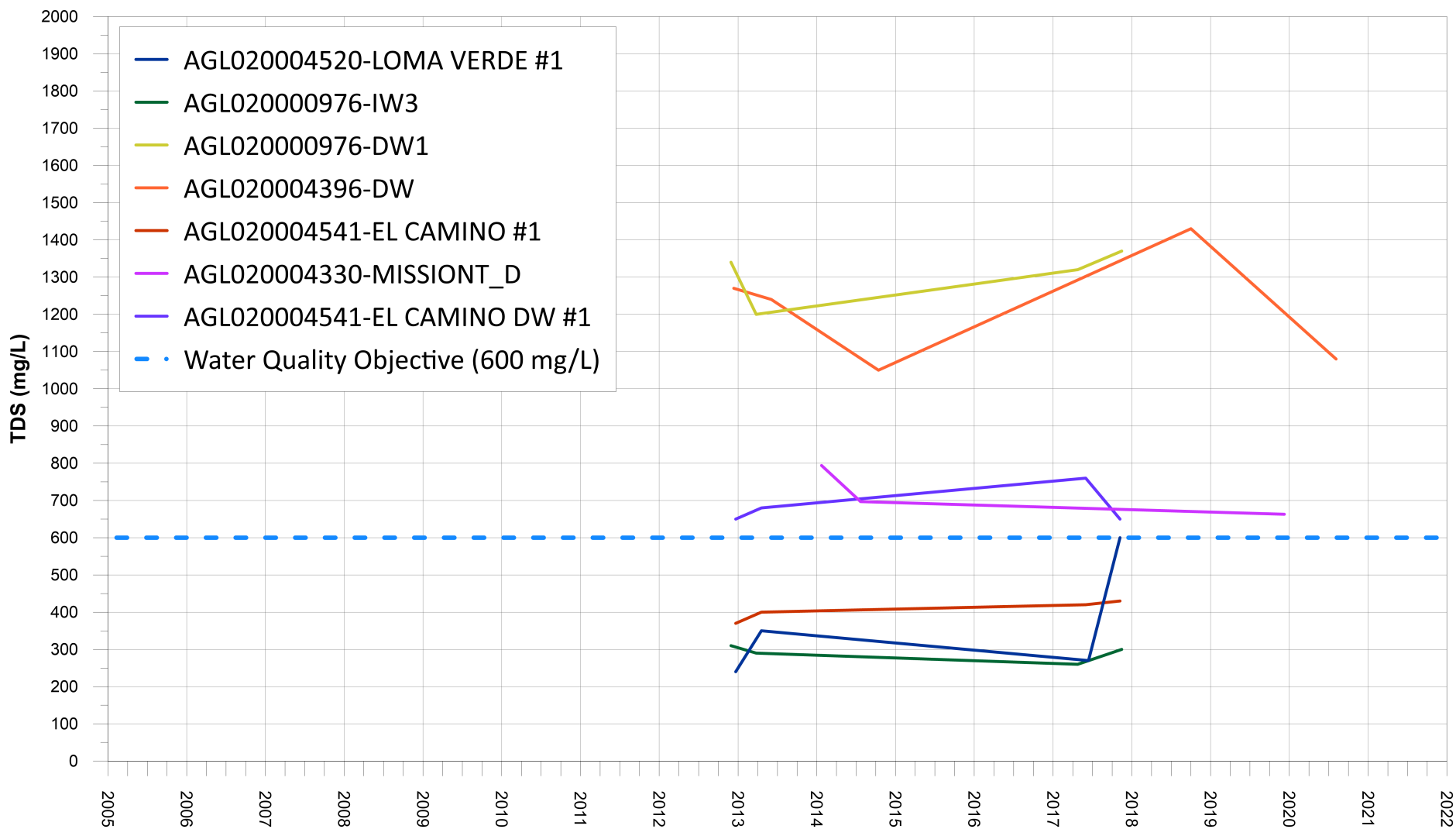


North of Los Alamos - Sodium
 San Antonio Creek Valley Groundwater Basin
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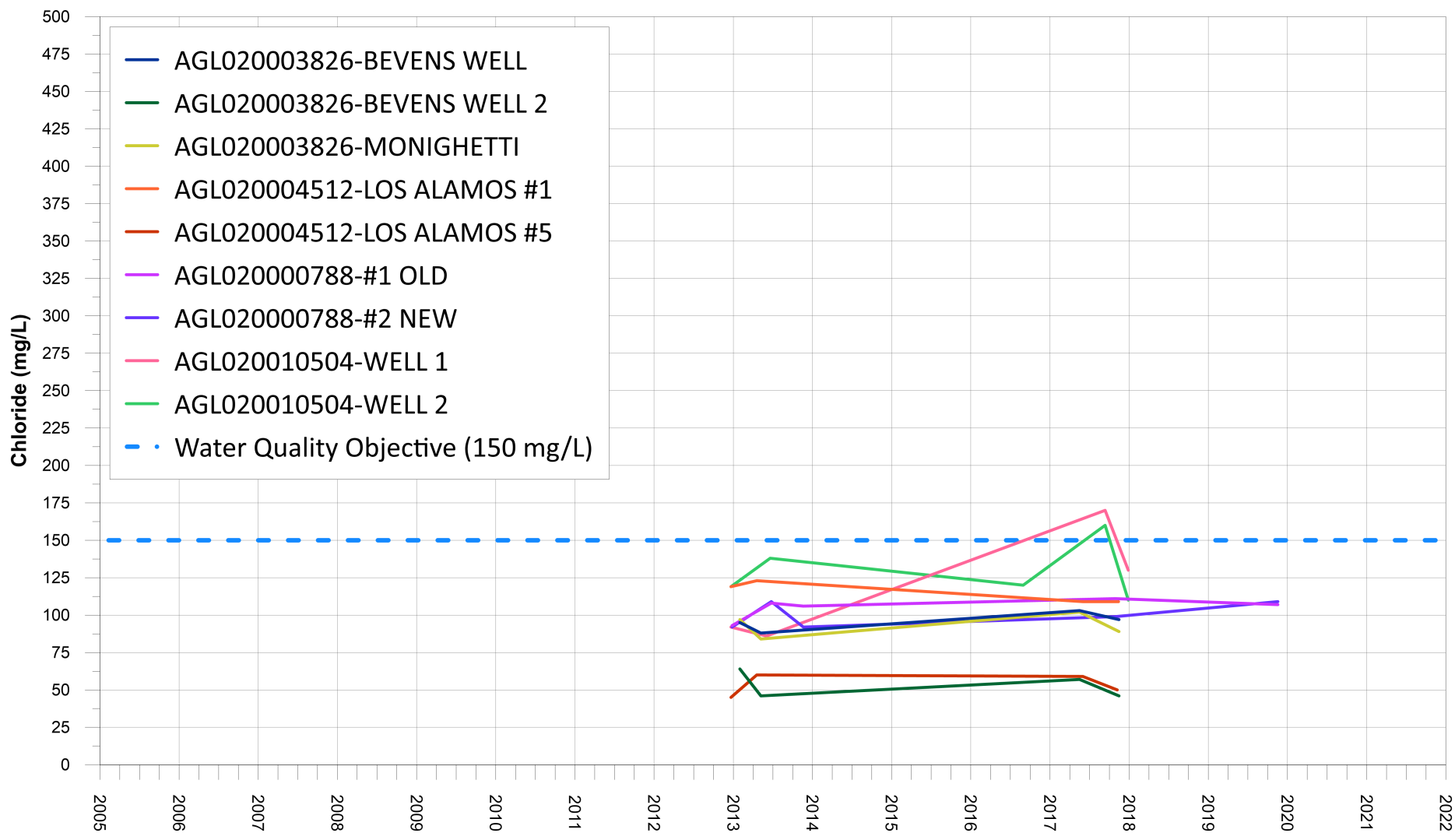
North of Los Alamos - Sulfate
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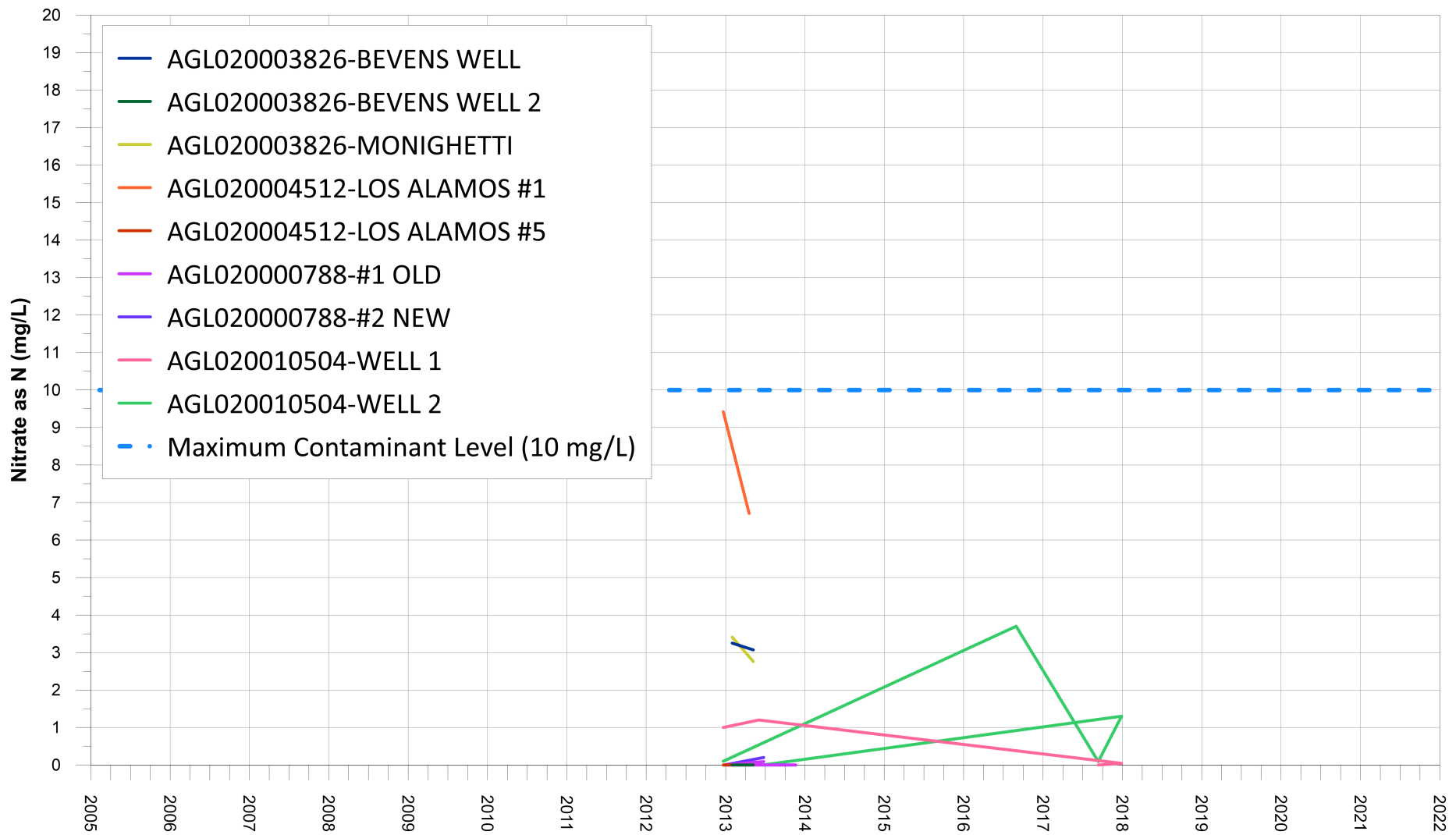


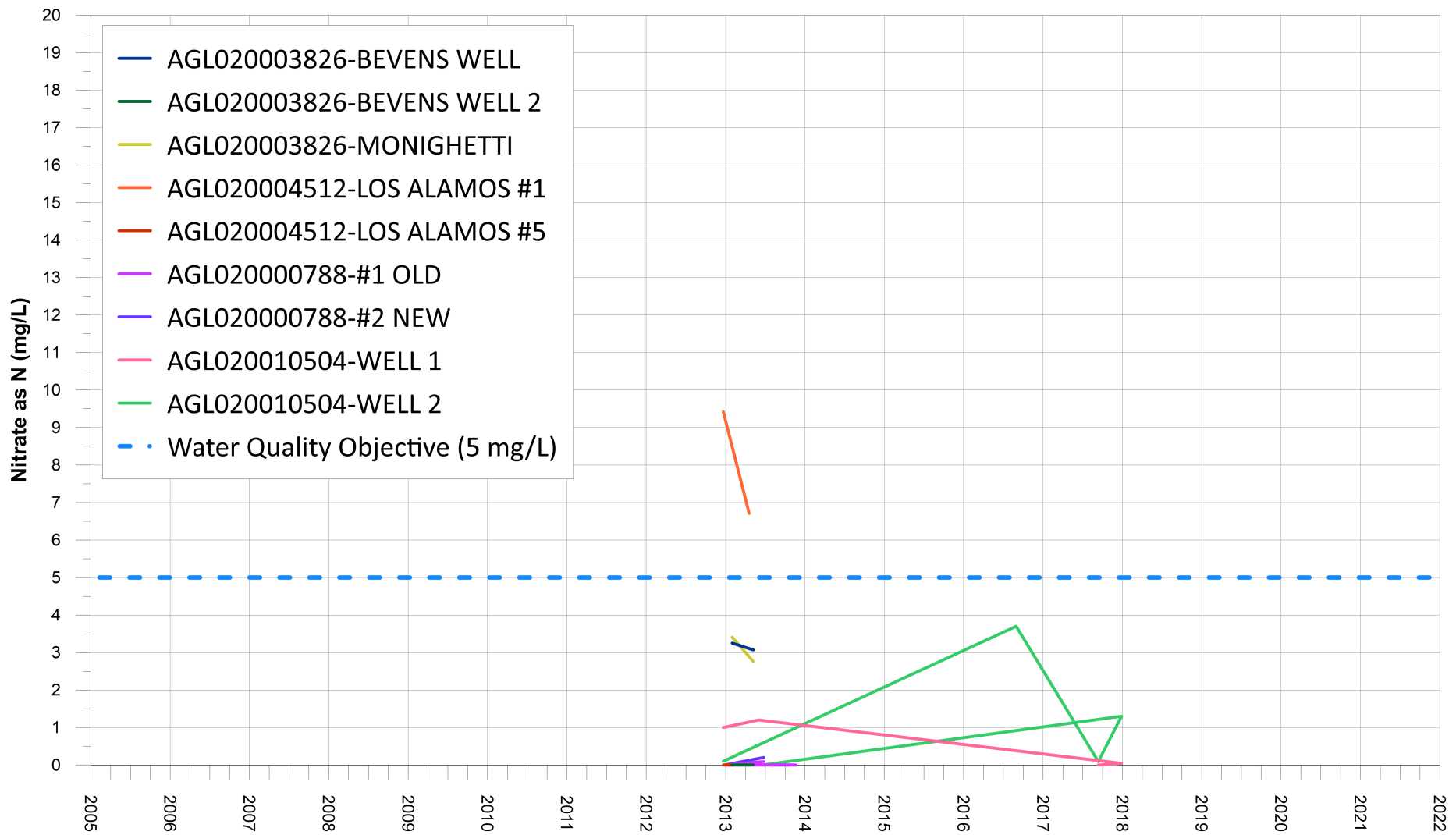


North of Los Alamos - TDS
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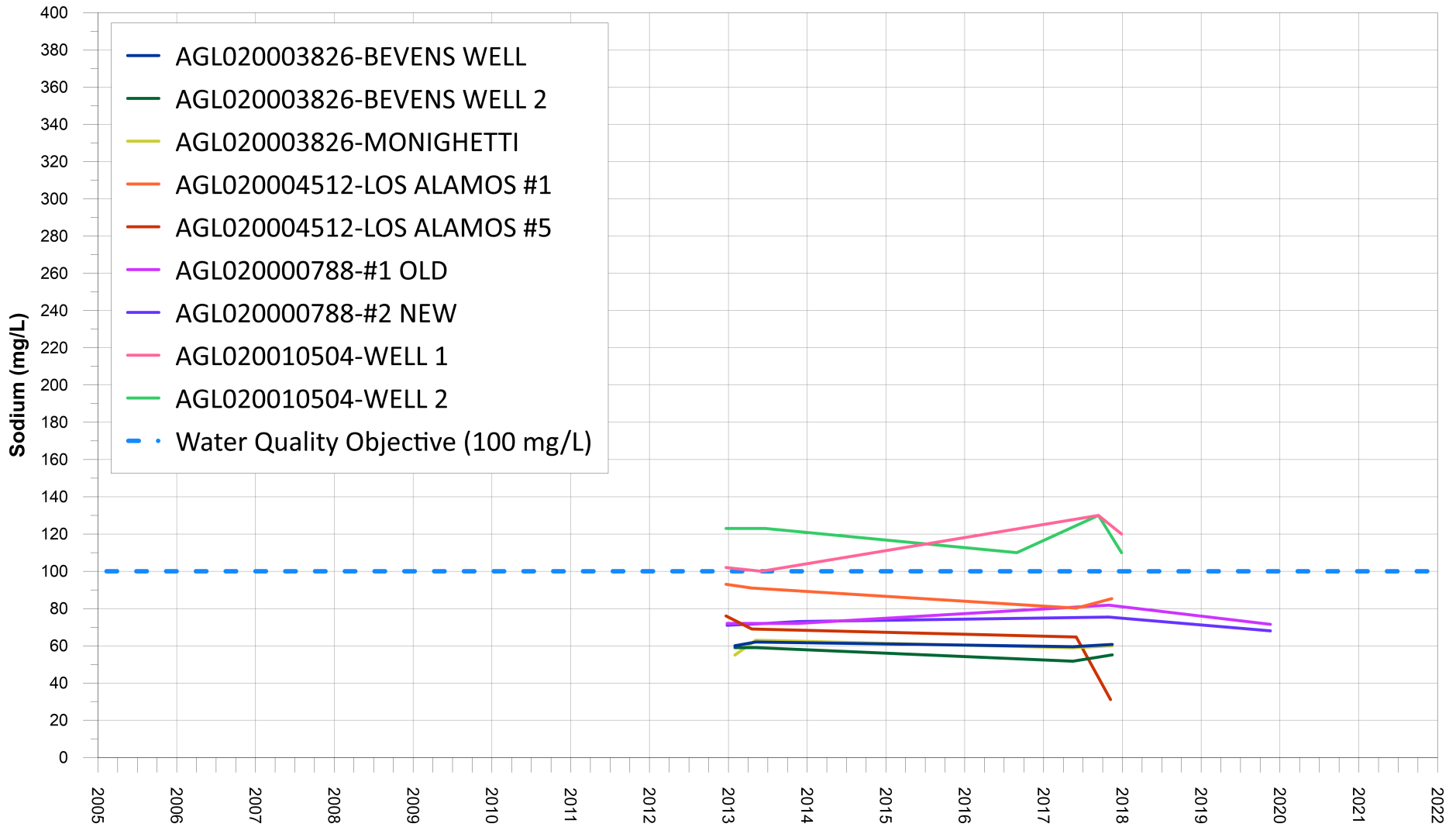


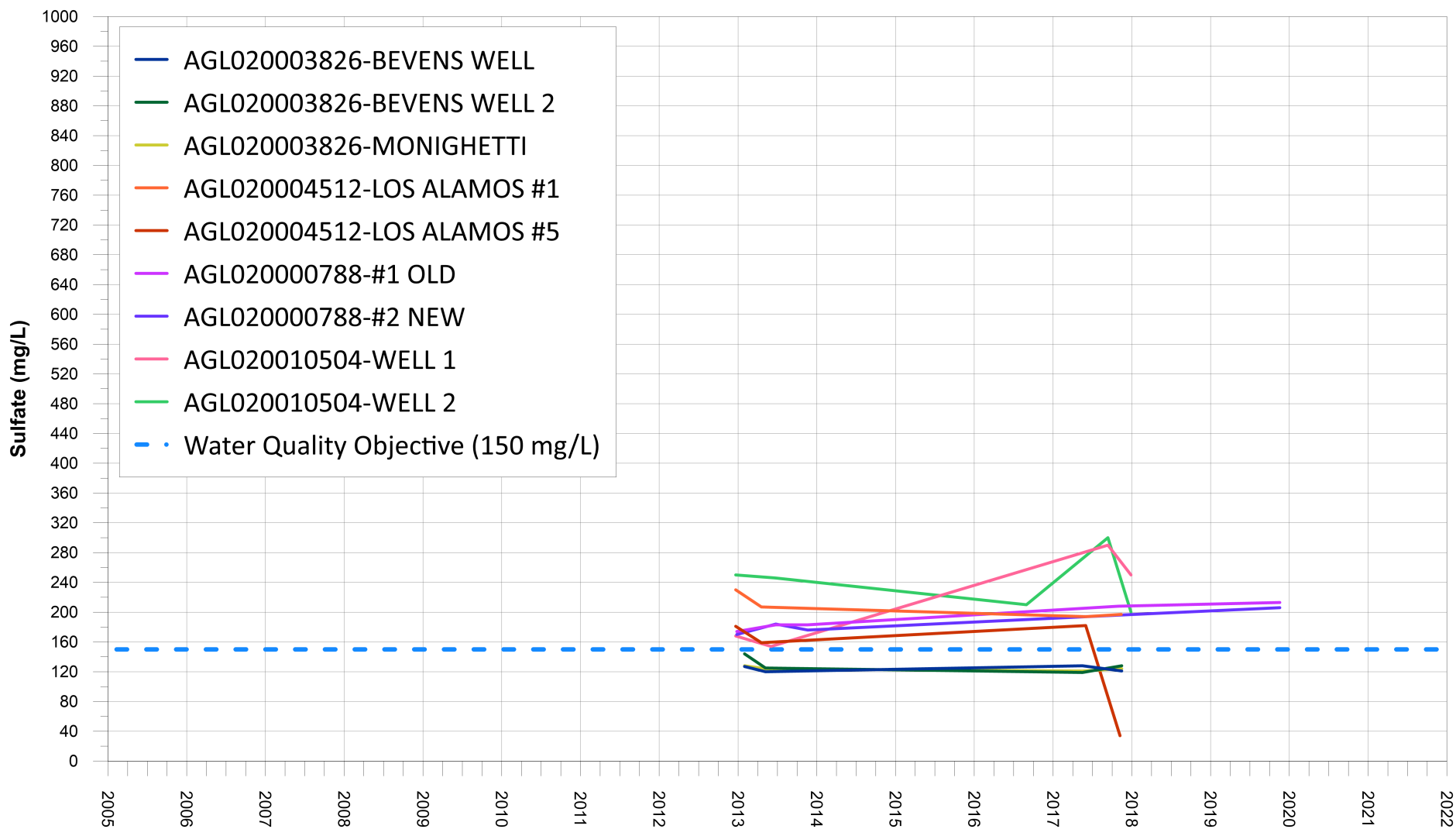






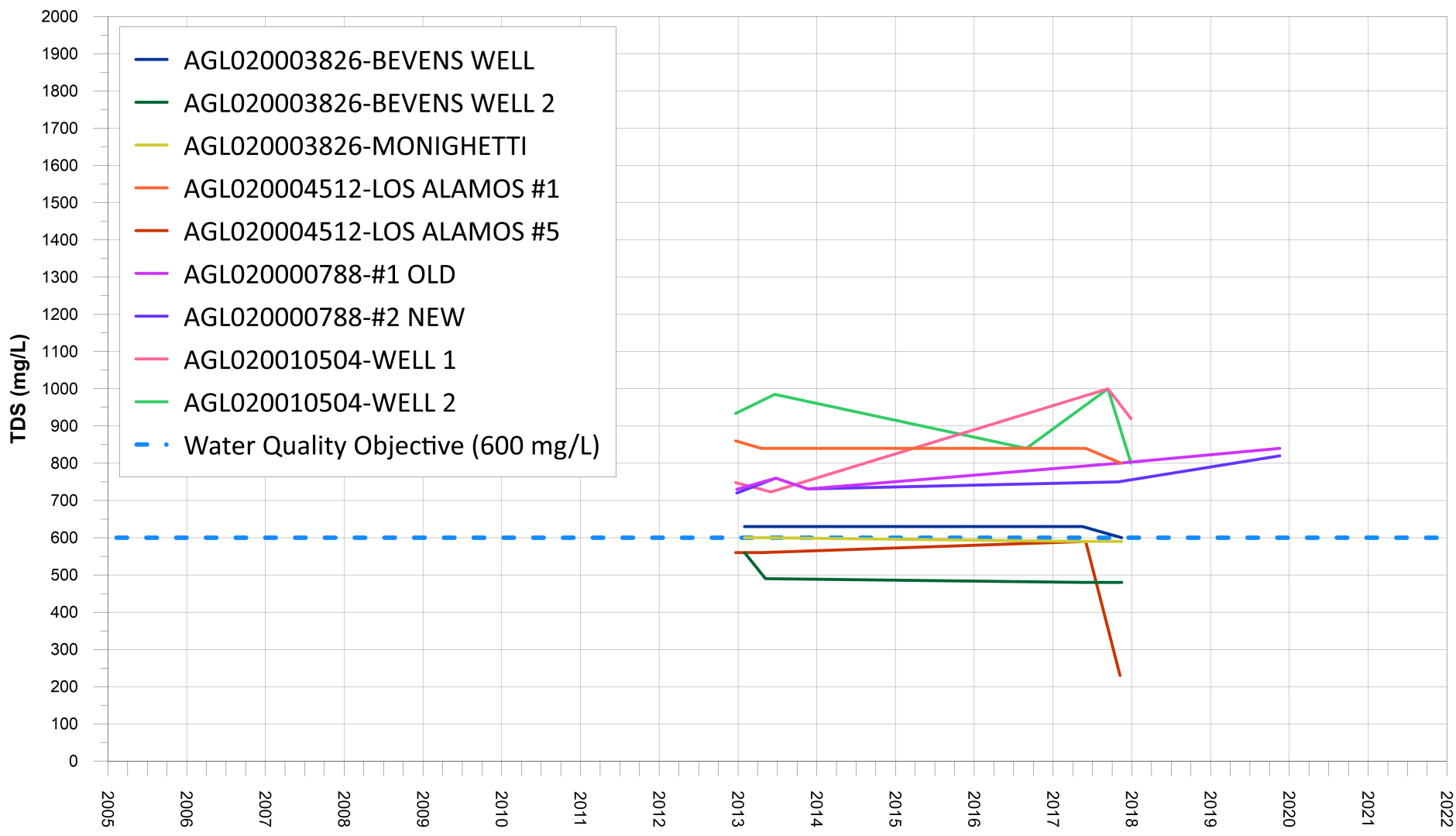
Central Basin - Nitrate as N
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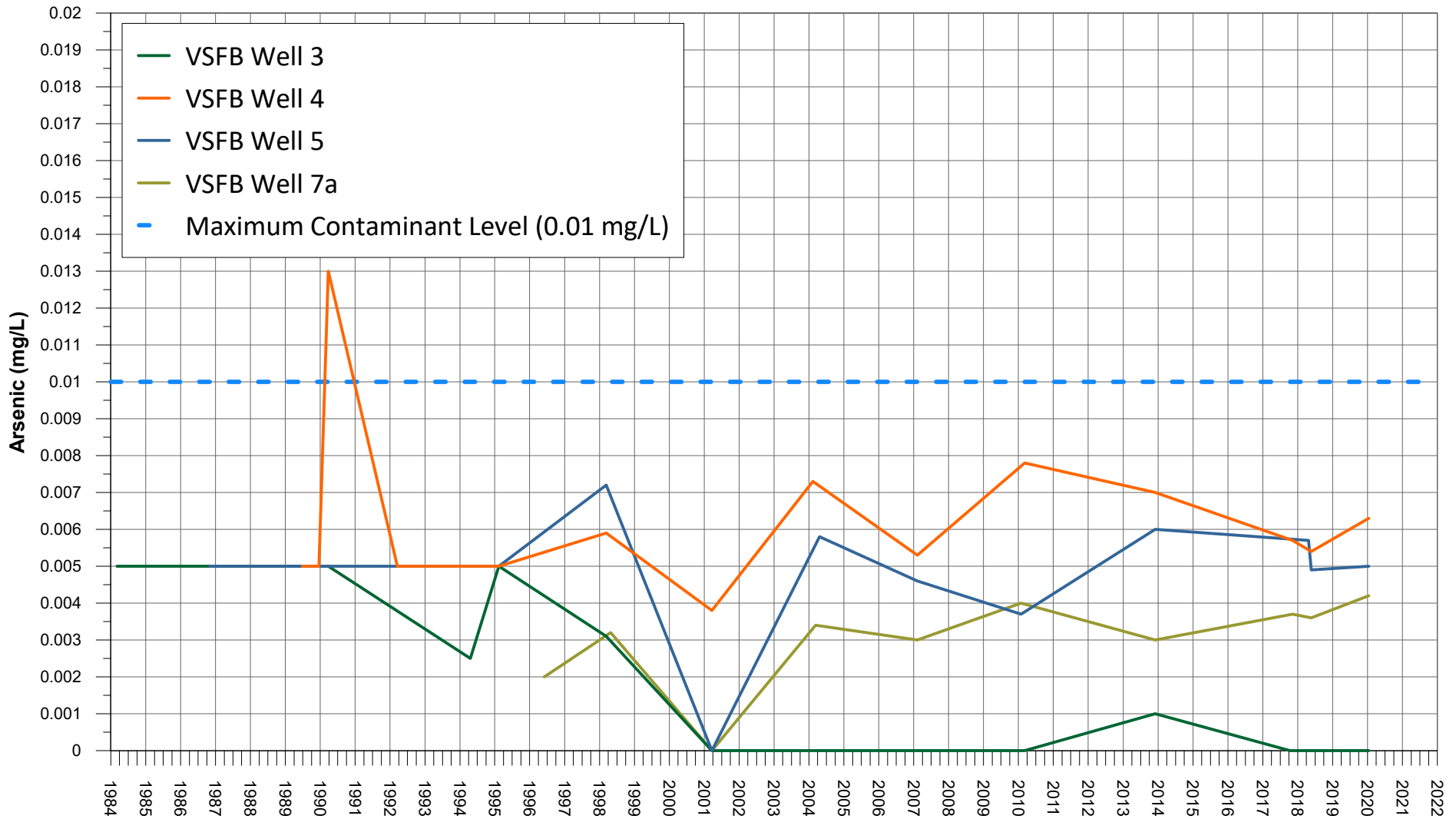




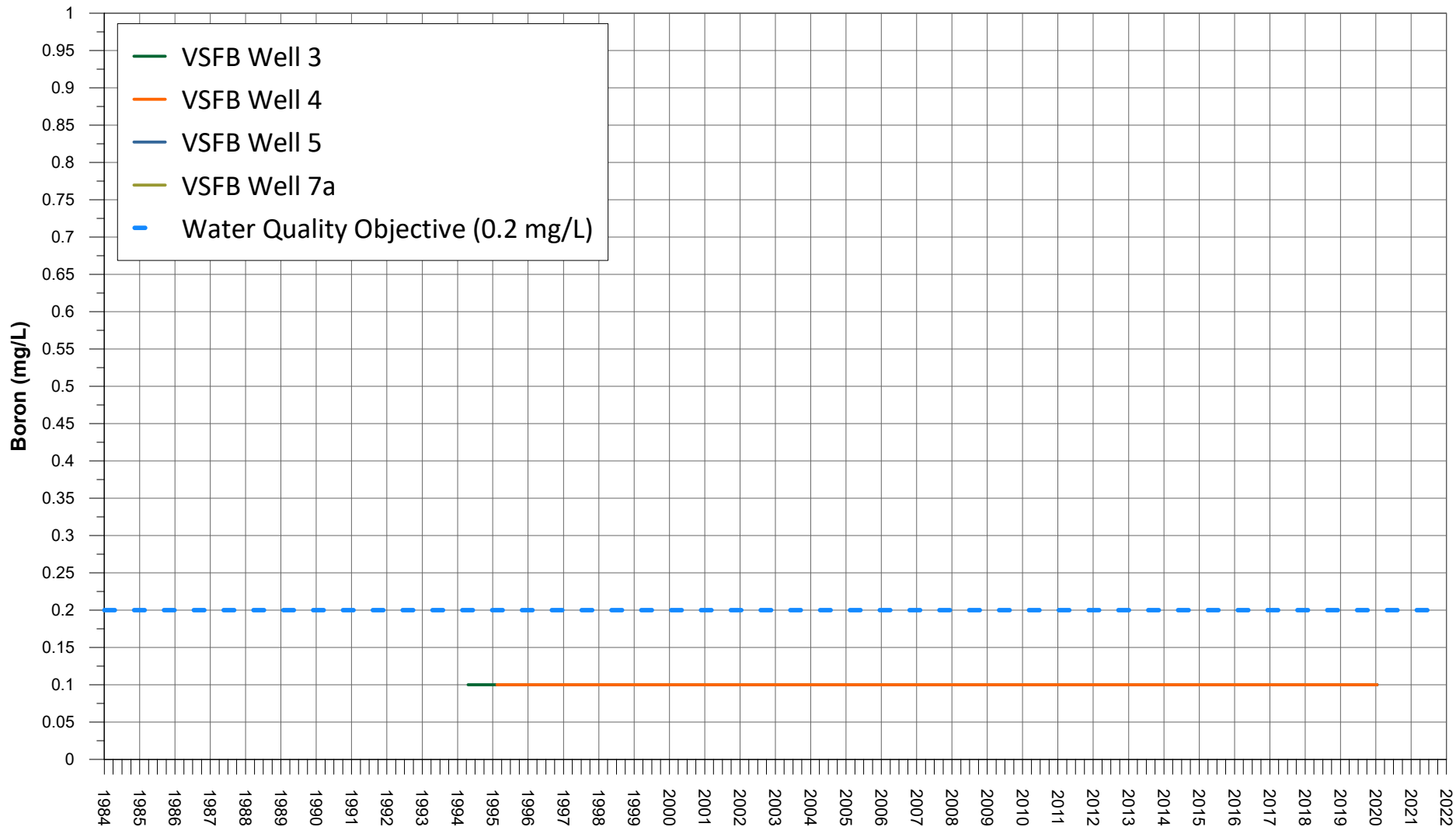
Central Basin - Sulfate
 San Antonio Creek Valley Groundwater Basin
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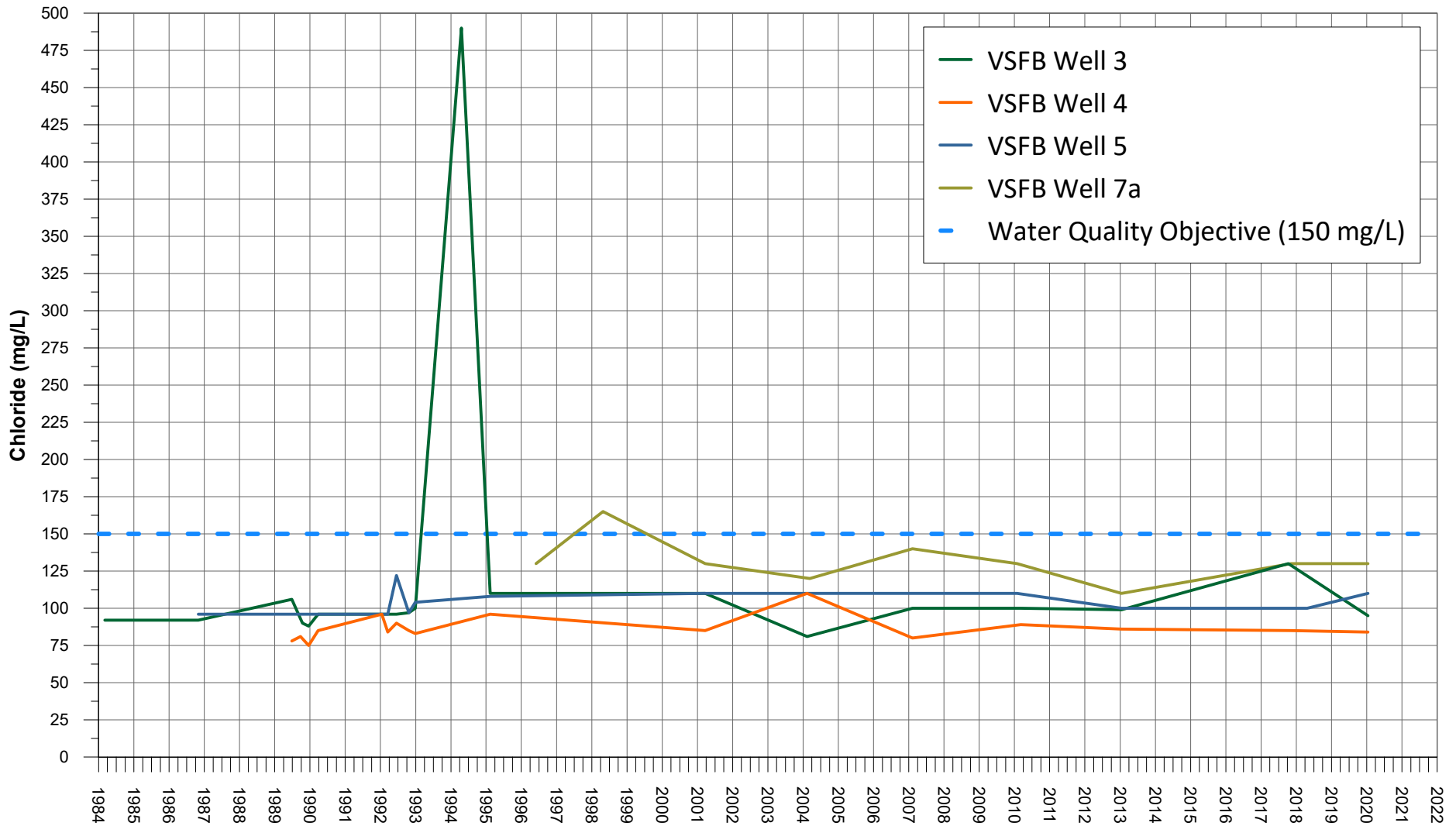


Vandenberg Space Force Base Wells - Arsenic
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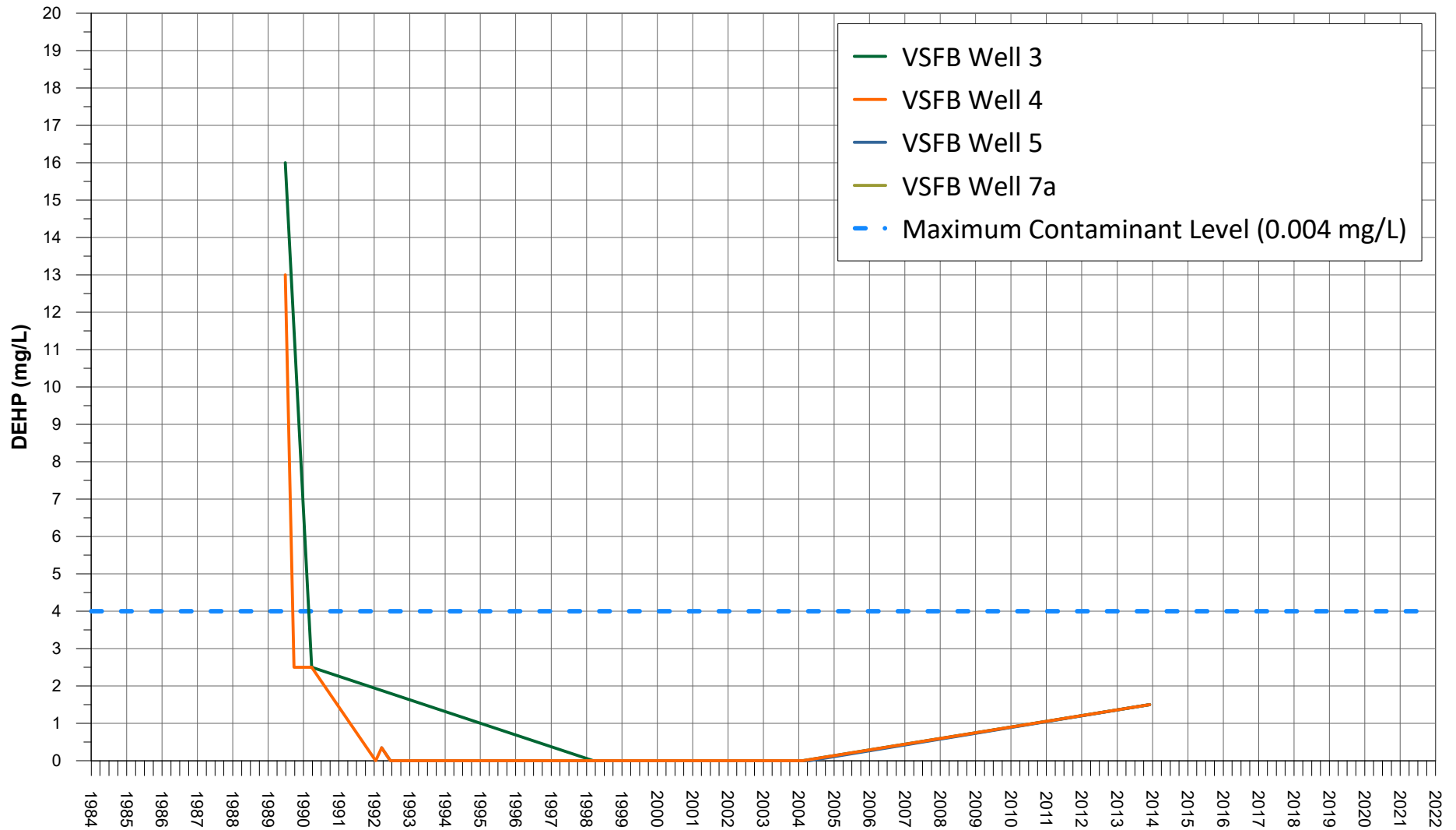


Vandenberg Space Force Base Wells - Boron
 San Antonio Creek Valley Groundwater Basin
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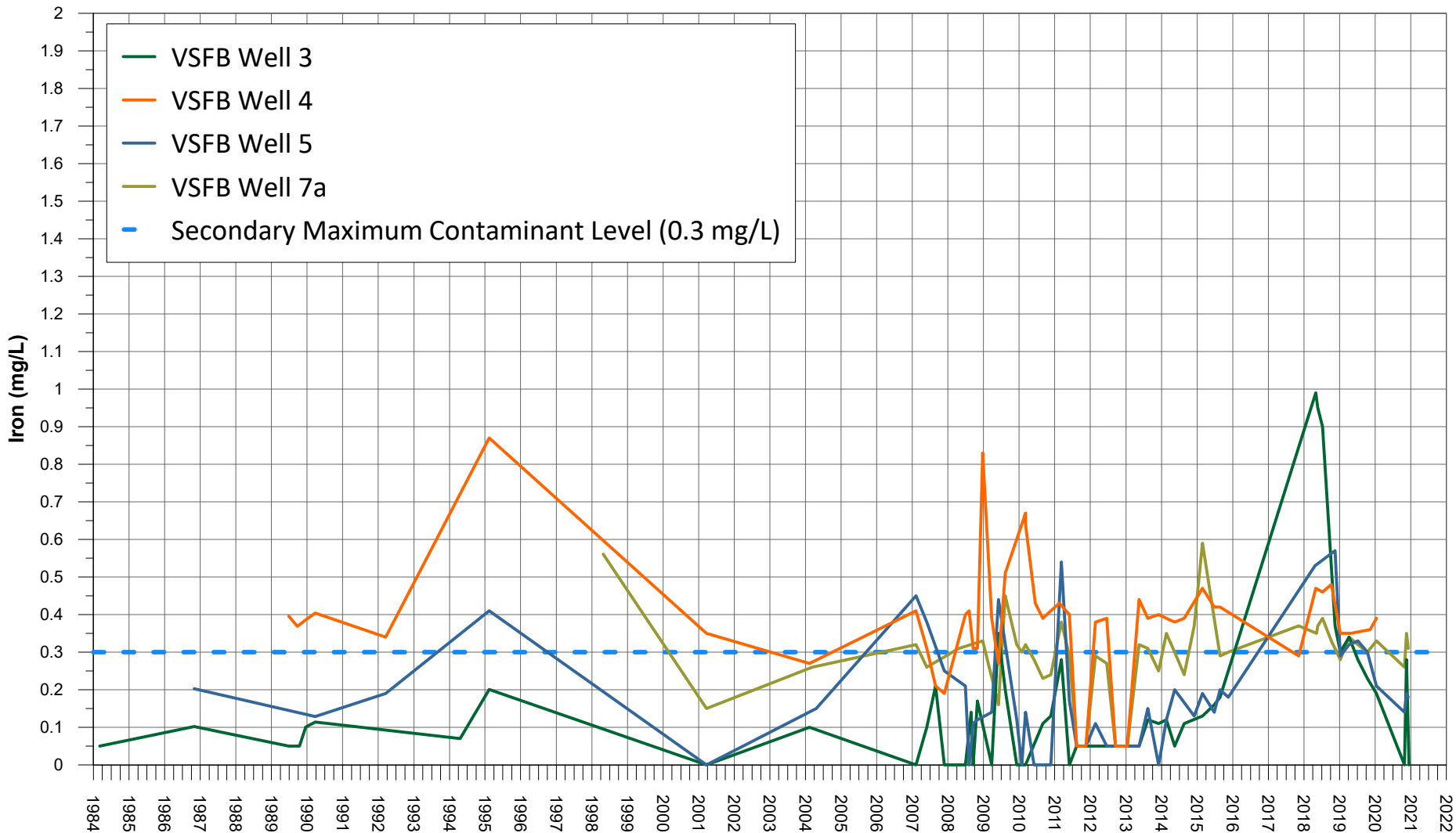




Vandenberg Space Force Base Wells - Chloride
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Vandenberg Space Force Base Wells - DEHP
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Vandenberg Space Force Base Wells - Iron

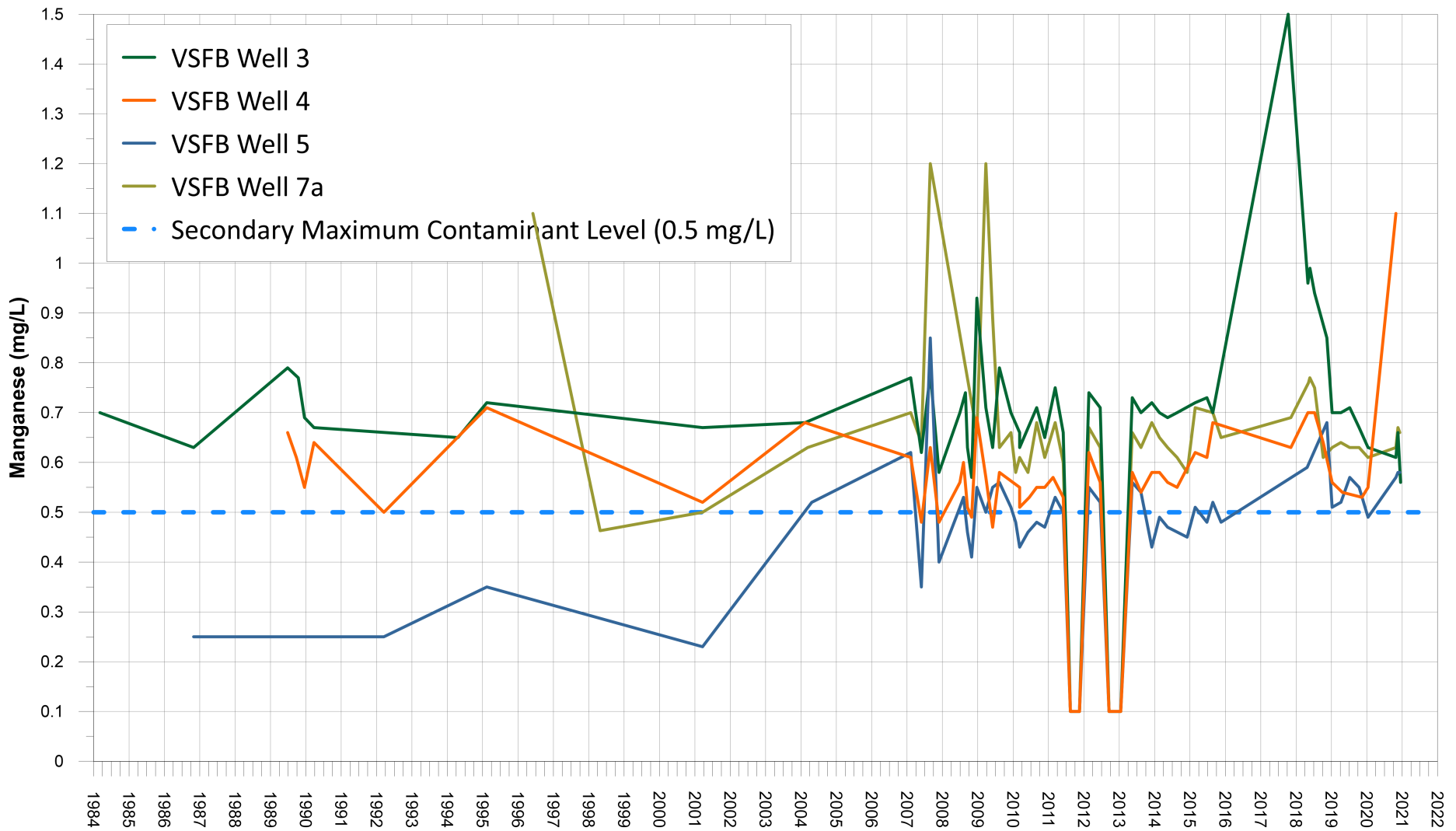
San Antonio Creek Valley Groundwater Basin

Groundwater Sustainability Plan

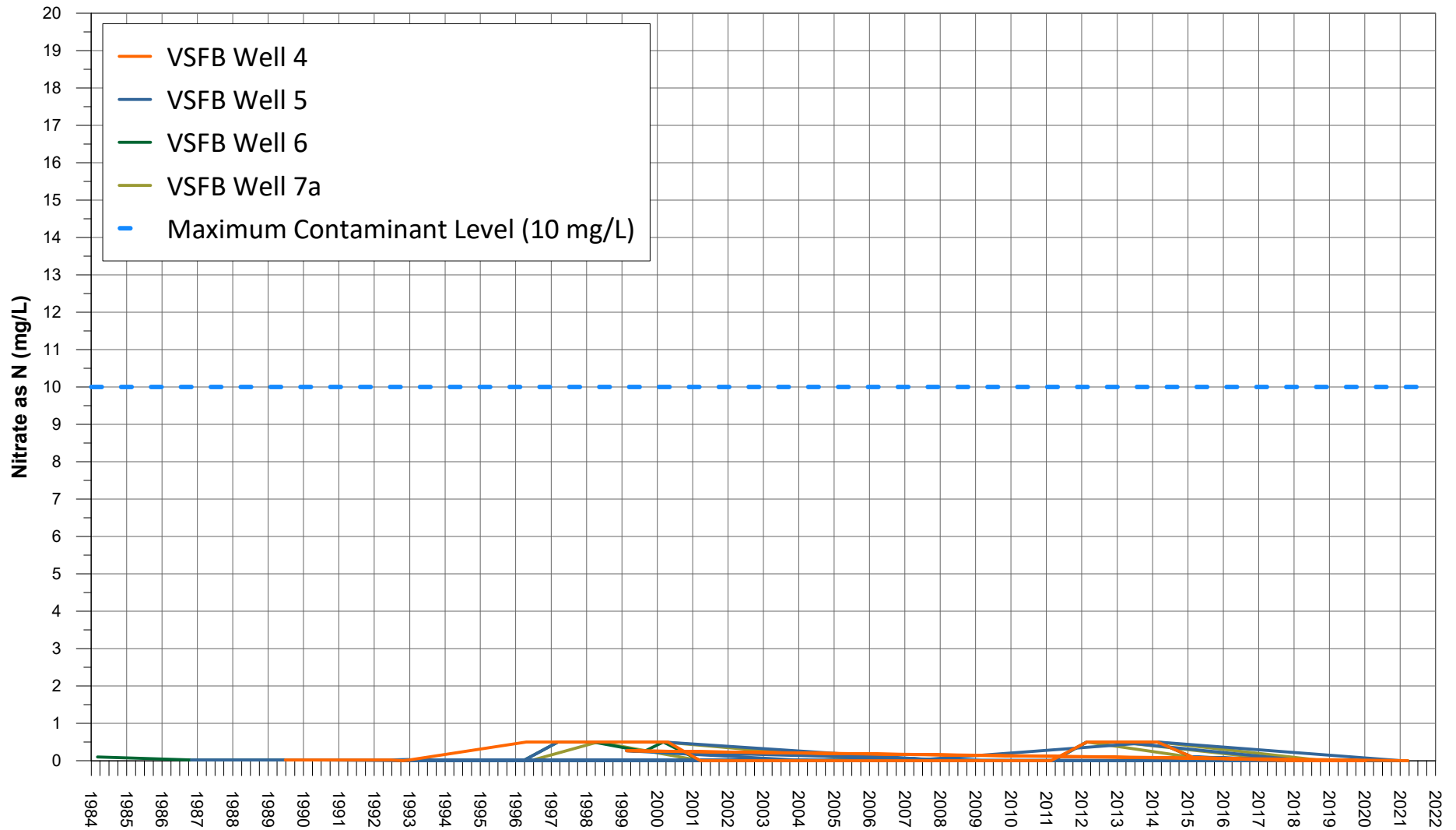
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*Data clipped at 1 mg/l

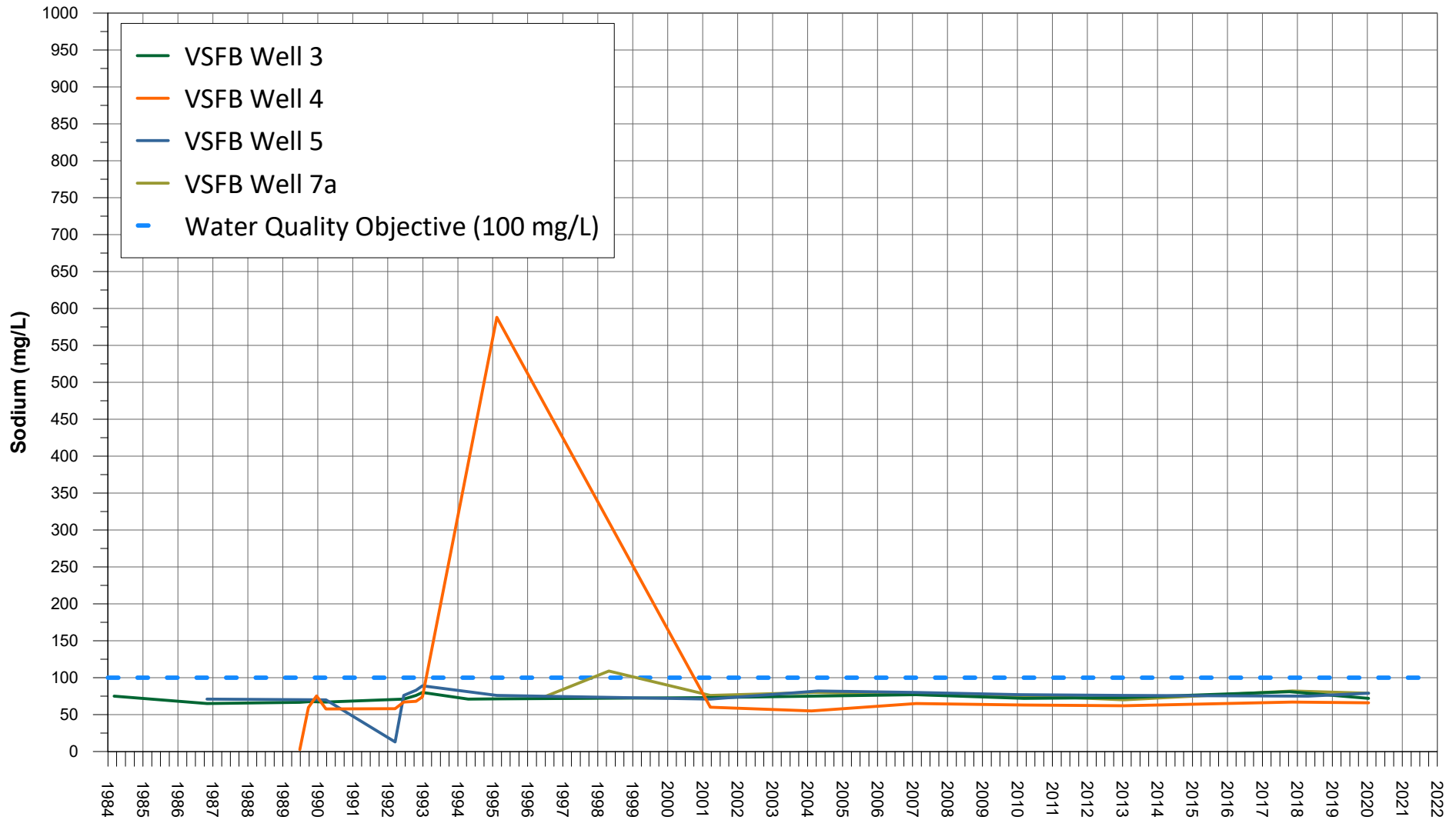




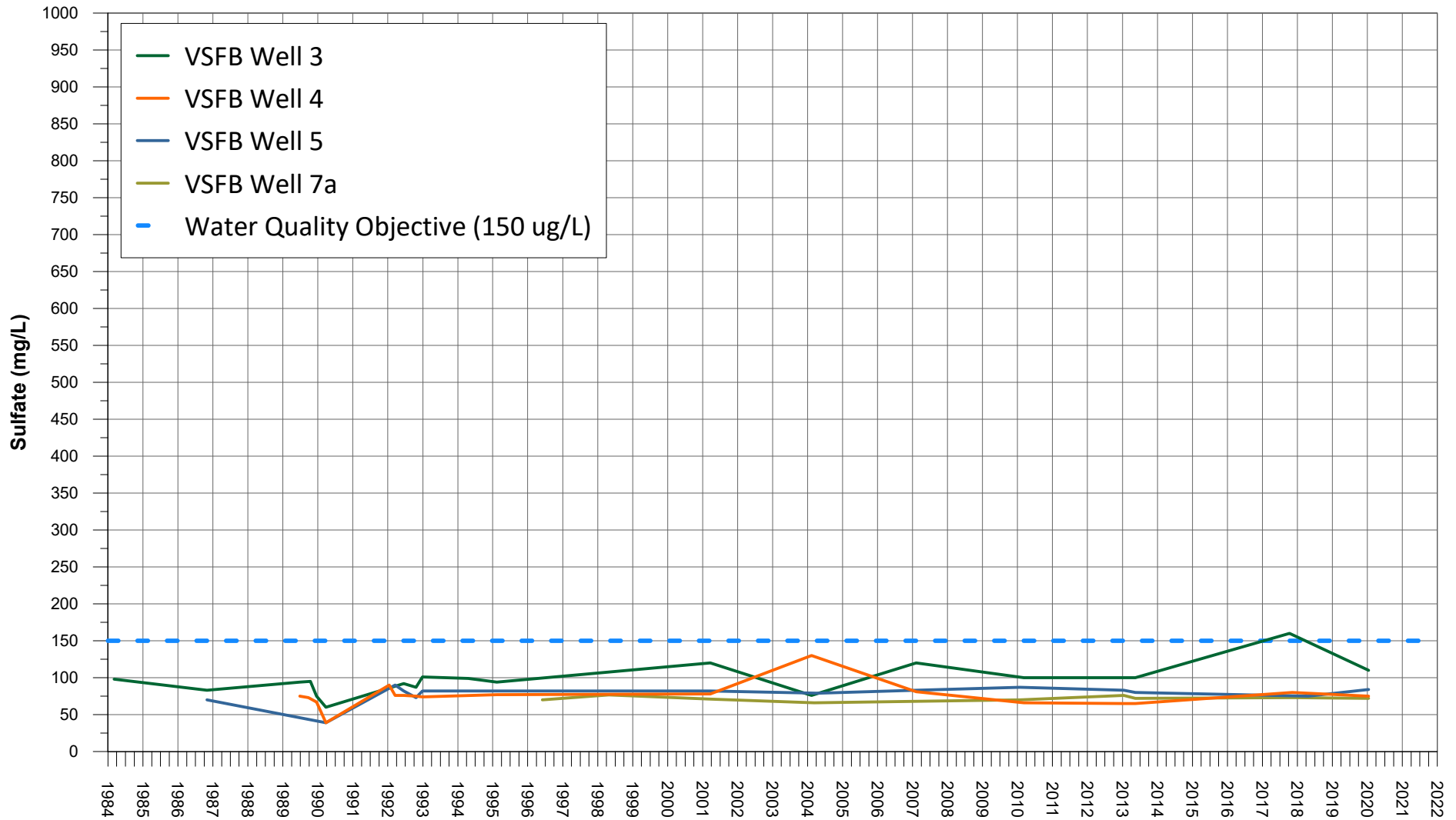
Vandenberg Space Force Base Wells - Manganese
 San Antonio Creek Valley Groundwater Basin
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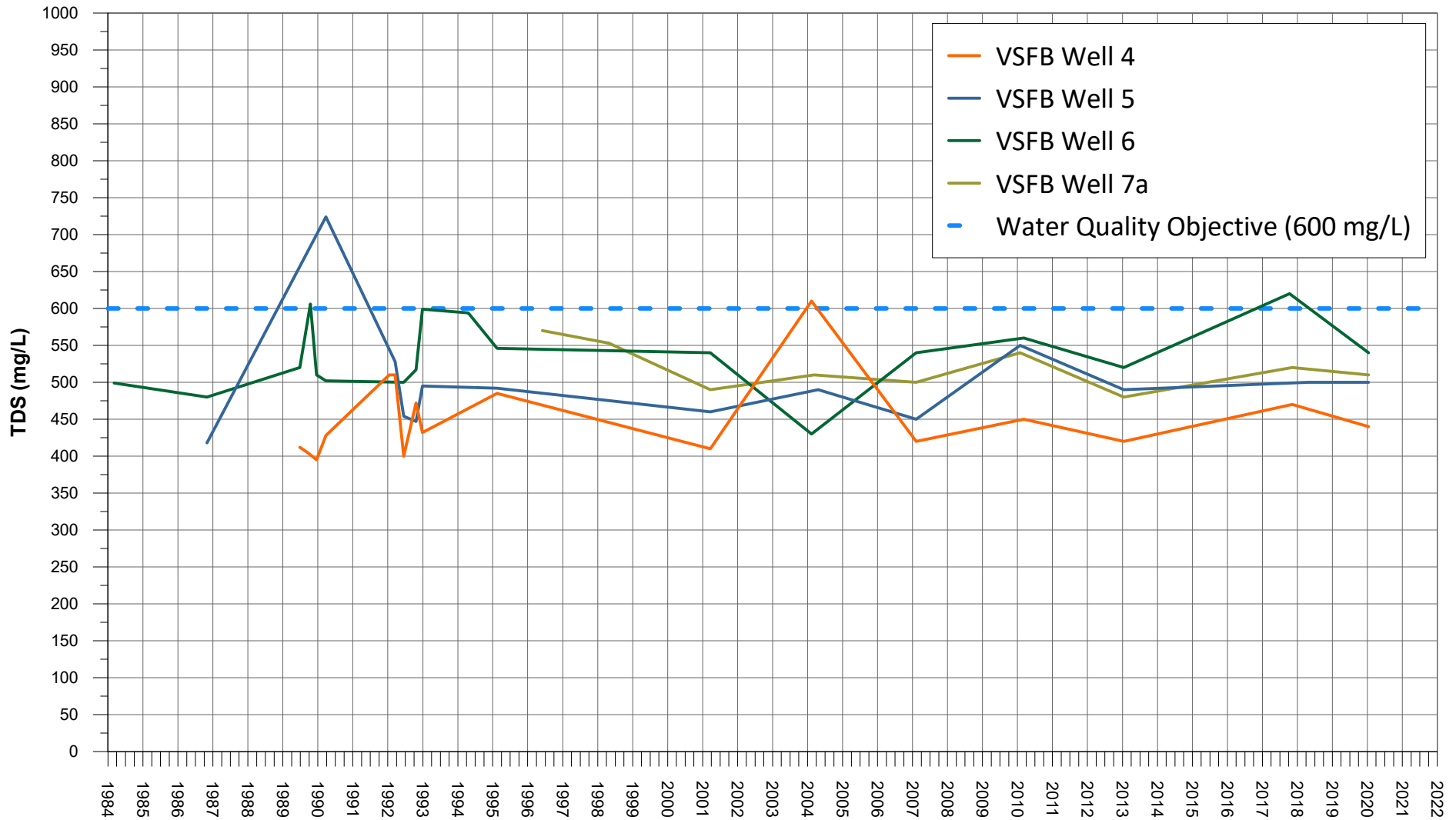
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Vandenberg Space Force Base Wells - Sodium
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Vandenberg Space Force Base Wells - Sulfate
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Vandenberg Space Force Base Wells - TDS

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APPENDIX G

Land Subsidence Data

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Measurement Date Interpolated Vertical Displacement (ft) at (34.73869, -120.27521)

7/1/2015	0.009
8/1/2015	0.018
9/1/2015	0.014
10/1/2015	0.009
11/1/2015	0.006
12/1/2015	-0.009
1/1/2016	-0.017
2/1/2016	-0.037
3/1/2016	-0.033
4/1/2016	-0.037
5/1/2016	-0.039
6/1/2016	-0.047
7/1/2016	-0.042
8/1/2016	-0.042
9/1/2016	-0.05
10/1/2016	-0.04
11/1/2016	-0.057
12/1/2016	-0.064
1/1/2017	-0.074
2/1/2017	-0.092
3/1/2017	-0.097
4/1/2017	-0.099
5/1/2017	-0.11
6/1/2017	-0.1
7/1/2017	-0.095
8/1/2017	-0.102
9/1/2017	-0.104
10/1/2017	-0.095
11/1/2017	-0.116
12/1/2017	-0.118
1/1/2018	-0.124
2/1/2018	-0.134
3/1/2018	-0.126
4/1/2018	-0.14
5/1/2018	-0.141
6/1/2018	-0.125
7/1/2018	-0.131
8/1/2018	-0.137
9/1/2018	-0.131
10/1/2018	-0.148
11/1/2018	-0.146
12/1/2018	-0.143
1/1/2019	-0.147
2/1/2019	-0.16
3/1/2019	-0.168
4/1/2019	-0.188

Measurement Date Interpolated Vertical Displacement (ft) at (34.73869, -120.27521)

5/1/2019	-0.171
6/1/2019	-0.165
7/1/2019	-0.174
8/1/2019	-0.176
9/1/2019	-0.174
10/1/2019	-0.197
11/1/2019	-0.203
12/1/2019	-0.204
1/1/2020	-0.223
2/1/2020	-0.223
3/1/2020	-0.226
4/1/2020	-0.229
5/1/2020	-0.218
6/1/2020	-0.217
7/1/2020	-0.211
8/1/2020	-0.221
9/1/2020	-0.231
10/1/2020	-0.235

Interpolated Displacement (ft): -0.235

Latitude: 34.73869

Longitude: -120.27521

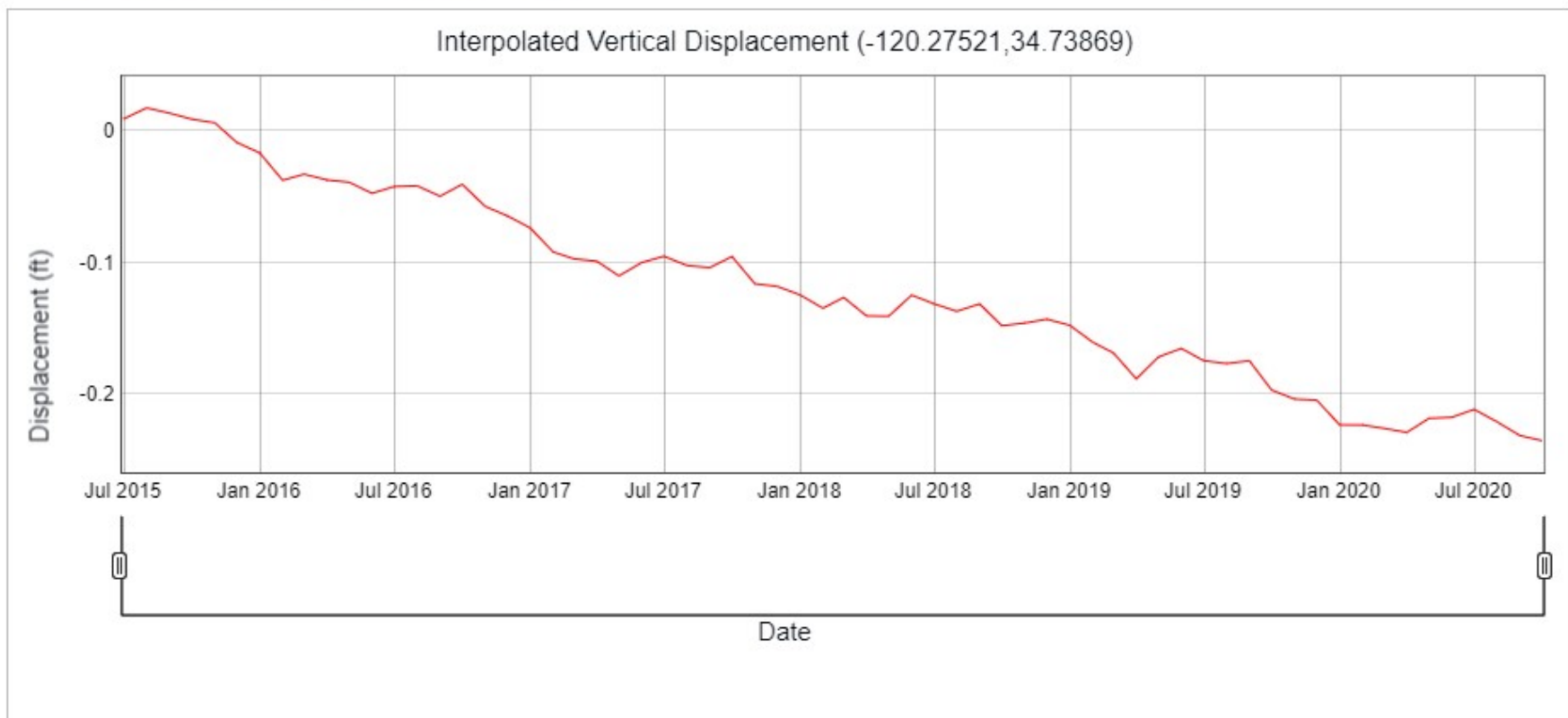


Vertical Displacement



Date: (hover to see values)

— TRE Altamira Interpolated Vertical Displacement



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549628	10/14/1999 0:00	-0.007	null
549629	10/15/1999 0:00	-0.012	null
549630	10/16/1999 0:00	0.012	null
549631	10/17/1999 0:00	0.007	null
549632	10/18/1999 0:00	-0.006	null
549633	10/19/1999 0:00	-0.013	null
549634	10/20/1999 0:00	0.001	null
549635	10/21/1999 0:00	-0.012	null
549636	10/22/1999 0:00	0.003	null
549637	10/23/1999 0:00	-0.032	null
549638	10/24/1999 0:00	-0.016	null
549639	10/25/1999 0:00	-0.013	null
549640	10/26/1999 0:00	0.02	null
549641	10/27/1999 0:00	0.017	null
549642	10/28/1999 0:00	-0.011	null
549643	10/29/1999 0:00	0.018	0
549644	10/30/1999 0:00	-0.02	0.001
549645	10/31/1999 0:00	0.012	0.001
549646	11/1/1999 0:00	0	0.001
549647	11/2/1999 0:00	-0.01	0.002
549648	11/3/1999 0:00	-0.002	0.002
549649	11/4/1999 0:00	0.007	0.004
549650	11/5/1999 0:00	0.007	0.004
549651	11/6/1999 0:00	0.008	0.005
549652	11/7/1999 0:00	0.005	0.006
549653	11/8/1999 0:00	0.015	0.006
549654	11/9/1999 0:00	0.032	0.007
549655	11/10/1999 0:00	-0.005	0.006
549656	11/11/1999 0:00	-0.005	0.006
549657	11/12/1999 0:00	-0.016	0.005
549658	11/13/1999 0:00	0.015	0.005
549659	11/14/1999 0:00	0.015	0.004
549660	11/15/1999 0:00	0.005	0.004
549661	11/16/1999 0:00	-0.003	0.005
549662	11/17/1999 0:00	0.034	0.005
549663	11/18/1999 0:00	0.02	0.006
549664	11/19/1999 0:00	0.025	0.006
549665	11/20/1999 0:00	0.002	0.006
549666	11/21/1999 0:00	0.035	0.005
549667	11/22/1999 0:00	0.015	0.006
549668	11/23/1999 0:00	-0.008	0.005
549669	11/24/1999 0:00	-0.01	0.004
549670	11/25/1999 0:00	-0.019	0.004
549671	11/26/1999 0:00	-0.003	0.003
549672	11/27/1999 0:00	-0.007	0.004
549673	11/28/1999 0:00	-0.013	0.004

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549674	11/29/1999 0:00	-0.016	0.003
549675	11/30/1999 0:00	0.004	0.002
549676	12/1/1999 0:00	0.027	0.003
549677	12/2/1999 0:00	0.005	0.003
549678	12/3/1999 0:00	0.03	0.002
549679	12/4/1999 0:00	-0.01	0.001
549680	12/5/1999 0:00	-0.004	0.001
549681	12/6/1999 0:00	-0.011	0
549682	12/7/1999 0:00	0.023	-0.001
549683	12/8/1999 0:00	-0.015	-0.002
549684	12/9/1999 0:00	-0.005	-0.003
549685	12/10/1999 0:00	0.013	-0.003
549686	12/11/1999 0:00	-0.014	-0.003
549687	12/12/1999 0:00	-0.003	-0.004
549688	12/13/1999 0:00	-0.008	-0.004
549689	12/14/1999 0:00	0.004	-0.004
549690	12/15/1999 0:00	-0.022	-0.003
549691	12/16/1999 0:00	0.014	-0.003
549692	12/17/1999 0:00	0.002	-0.004
549693	12/18/1999 0:00	0.003	-0.005
549694	12/19/1999 0:00	0.004	-0.006
549695	12/20/1999 0:00	0.006	-0.006
549696	12/21/1999 0:00	-0.001	-0.005
549697	12/22/1999 0:00	-0.02	-0.006
549698	12/23/1999 0:00	-0.019	-0.008
549699	12/24/1999 0:00	-0.022	-0.009
549700	12/25/1999 0:00	-0.019	-0.009
549701	12/26/1999 0:00	-0.023	-0.009
549702	12/27/1999 0:00	-0.034	-0.009
549703	12/28/1999 0:00	-0.003	-0.009
549704	12/29/1999 0:00	-0.006	-0.01
549705	12/30/1999 0:00	0.01	-0.011
549706	12/31/1999 0:00	0.007	-0.01
549707	1/1/2000 0:00	-0.006	-0.011
549708	1/2/2000 0:00	-0.02	-0.012
549709	1/3/2000 0:00	-0.011	-0.013
549710	1/4/2000 0:00	-0.005	-0.013
549711	1/5/2000 0:00	0.014	-0.013
549712	1/6/2000 0:00	-0.033	-0.012
549713	1/7/2000 0:00	-0.045	-0.011
549714	1/8/2000 0:00	-0.036	-0.01
549715	1/9/2000 0:00	-0.004	-0.01
549716	1/10/2000 0:00	0.013	-0.01
549717	1/11/2000 0:00	-0.005	-0.009
549718	1/12/2000 0:00	-0.027	-0.009
549719	1/13/2000 0:00	-0.033	-0.01

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549720	1/14/2000 0:00	-0.026	-0.01
549721	1/15/2000 0:00	0.006	-0.011
549722	1/16/2000 0:00	-0.023	-0.011
549723	1/17/2000 0:00	-0.023	-0.012
549724	1/18/2000 0:00	-0.011	-0.013
549725	1/19/2000 0:00	-0.008	-0.013
549726	1/20/2000 0:00	0.005	-0.013
549727	1/21/2000 0:00	0.029	-0.014
549728	1/22/2000 0:00	0.013	-0.013
549729	1/23/2000 0:00	0.002	-0.013
549730	1/24/2000 0:00	-0.006	-0.013
549731	1/25/2000 0:00	-0.013	-0.012
549732	1/26/2000 0:00	0.001	-0.014
549733	1/27/2000 0:00	-0.032	-0.014
549734	1/28/2000 0:00	-0.022	-0.014
549735	1/29/2000 0:00	-0.007	-0.014
549736	1/30/2000 0:00	-0.038	-0.013
549737	1/31/2000 0:00	0.025	-0.014
549738	2/1/2000 0:00	-0.053	-0.014
549739	2/2/2000 0:00	-0.052	-0.014
549740	2/3/2000 0:00	-0.013	-0.015
549741	2/4/2000 0:00	-0.01	-0.015
549742	2/5/2000 0:00	-0.011	-0.017
549743	2/6/2000 0:00	-0.013	-0.018
549744	2/7/2000 0:00	-0.027	-0.019
549745	2/8/2000 0:00	-0.029	-0.021
549746	2/9/2000 0:00	0.002	-0.022
549747	2/10/2000 0:00	-0.022	-0.022
549748	2/11/2000 0:00	-0.013	-0.023
549749	2/12/2000 0:00	-0.04	-0.022
549750	2/13/2000 0:00	-0.014	-0.022
549751	2/14/2000 0:00	0.005	-0.023
549752	2/15/2000 0:00	-0.031	-0.022
549753	2/16/2000 0:00	-0.027	-0.024
549754	2/17/2000 0:00	-0.026	-0.024
549755	2/18/2000 0:00	-0.038	-0.023
549756	2/19/2000 0:00	-0.016	-0.023
549757	2/20/2000 0:00	-0.037	-0.024
549758	2/21/2000 0:00	-0.027	-0.025
549759	2/22/2000 0:00	-0.017	-0.025
549760	2/23/2000 0:00	-0.056	-0.026
549761	2/24/2000 0:00	-0.021	-0.027
549762	2/25/2000 0:00	-0.033	-0.029
549763	2/26/2000 0:00	-0.009	-0.03
549764	2/27/2000 0:00	-0.022	-0.031
549765	2/28/2000 0:00	-0.021	-0.03

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549766	2/29/2000 0:00	-0.032	-0.03
549767	3/1/2000 0:00	-0.01	-0.031
549768	3/2/2000 0:00	-0.046	-0.032
549769	3/3/2000 0:00	-0.034	-0.033
549770	3/4/2000 0:00	-0.037	-0.032
549771	3/5/2000 0:00	-0.017	-0.031
549772	3/6/2000 0:00	-0.035	-0.032
549773	3/7/2000 0:00	-0.034	-0.033
549774	3/8/2000 0:00	-0.021	-0.033
549775	3/9/2000 0:00	-0.062	-0.033
549776	3/10/2000 0:00	-0.049	-0.031
549777	3/11/2000 0:00	-0.065	-0.032
549778	3/12/2000 0:00	-0.036	-0.031
549779	3/13/2000 0:00	-0.038	-0.032
549780	3/14/2000 0:00	-0.033	-0.032
549781	3/15/2000 0:00	0.005	-0.033
549782	3/16/2000 0:00	-0.038	-0.033
549783	3/17/2000 0:00	-0.061	-0.033
549784	3/18/2000 0:00	-0.044	-0.032
549785	3/19/2000 0:00	-0.01	-0.032
549786	3/20/2000 0:00	-0.02	-0.031
549787	3/21/2000 0:00	-0.026	-0.031
549788	3/22/2000 0:00	-0.061	-0.03
549789	3/23/2000 0:00	-0.027	-0.03
549790	3/24/2000 0:00	-0.031	-0.03
549791	3/25/2000 0:00	-0.008	-0.028
549792	3/26/2000 0:00	-0.027	-0.027
549793	3/27/2000 0:00	-0.021	-0.026
549794	3/28/2000 0:00	-0.036	-0.026
549795	3/29/2000 0:00	-0.028	-0.026
549796	3/30/2000 0:00	-0.028	-0.025
549797	3/31/2000 0:00	-0.038	-0.026
549798	4/1/2000 0:00	-0.008	-0.025
549799	4/2/2000 0:00	-0.019	-0.023
549800	4/3/2000 0:00	-0.039	-0.022
549801	4/4/2000 0:00	-0.02	-0.022
549802	4/5/2000 0:00	-0.004	-0.023
549803	4/6/2000 0:00	-0.007	-0.022
549804	4/7/2000 0:00	-0.023	-0.021
549805	4/8/2000 0:00	-0.028	-0.02
549806	4/9/2000 0:00	-0.004	-0.019
549807	4/10/2000 0:00	-0.022	-0.02
549808	4/11/2000 0:00	-0.035	-0.02
549809	4/12/2000 0:00	-0.034	-0.021
549810	4/13/2000 0:00	-0.019	-0.02
549811	4/14/2000 0:00	-0.027	-0.019

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549812	4/15/2000 0:00	-0.009	-0.019
549813	4/16/2000 0:00	-0.015	-0.019
549814	4/17/2000 0:00	0.017	-0.019
549815	4/18/2000 0:00	-0.019	-0.018
549816	4/19/2000 0:00	-0.02	-0.017
549817	4/20/2000 0:00	-0.035	-0.017
549818	4/21/2000 0:00	-0.02	-0.017
549819	4/22/2000 0:00	-0.013	-0.016
549820	4/23/2000 0:00	0.012	-0.014
549821	4/24/2000 0:00	-0.008	-0.014
549822	4/25/2000 0:00	-0.044	-0.013
549823	4/26/2000 0:00	-0.029	-0.013
549824	4/27/2000 0:00	-0.042	-0.013
549825	4/28/2000 0:00	0.001	-0.011
549826	4/29/2000 0:00	0	-0.011
549827	4/30/2000 0:00	-0.043	-0.01
549828	5/1/2000 0:00	-0.032	-0.01
549829	5/2/2000 0:00	-0.008	-0.01
549830	5/3/2000 0:00	0.002	-0.01
549831	5/4/2000 0:00	0.01	-0.01
549832	5/5/2000 0:00	-0.017	-0.01
549833	5/6/2000 0:00	-0.014	-0.009
549834	5/7/2000 0:00	0.032	-0.008
549835	5/8/2000 0:00	0.014	-0.008
549836	5/10/2000 0:00	-0.009	-0.008
549837	5/11/2000 0:00	0.008	-0.008
549838	5/12/2000 0:00	-0.008	-0.007
549839	5/13/2000 0:00	-0.024	-0.006
549840	5/14/2000 0:00	0.009	-0.005
549841	5/15/2000 0:00	-0.017	-0.006
549842	5/16/2000 0:00	-0.002	-0.007
549843	5/17/2000 0:00	-0.011	-0.006
549844	5/18/2000 0:00	0.005	-0.005
549845	5/19/2000 0:00	-0.003	-0.005
549846	5/20/2000 0:00	-0.009	-0.006
549847	5/21/2000 0:00	-0.019	-0.006
549848	5/22/2000 0:00	-0.002	-0.006
549849	5/23/2000 0:00	-0.005	-0.006
549850	5/24/2000 0:00	0.009	-0.007
549851	5/25/2000 0:00	-0.003	-0.008
549852	5/26/2000 0:00	0.004	-0.008
549853	5/27/2000 0:00	-0.002	-0.008
549854	5/28/2000 0:00	-0.025	-0.008
549855	5/29/2000 0:00	-0.009	-0.007
549856	5/30/2000 0:00	-0.022	-0.007
549857	5/31/2000 0:00	-0.022	-0.006

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549858	6/1/2000 0:00	-0.026	-0.006
549859	6/2/2000 0:00	0.001	-0.005
549860	6/3/2000 0:00	-0.009	-0.005
549861	6/4/2000 0:00	-0.011	-0.005
549862	6/5/2000 0:00	0.001	-0.004
549863	6/6/2000 0:00	-0.017	-0.003
549864	6/7/2000 0:00	-0.015	-0.003
549865	6/8/2000 0:00	-0.014	-0.003
549866	6/9/2000 0:00	-0.005	-0.004
549867	6/10/2000 0:00	-0.01	-0.004
549868	6/11/2000 0:00	0.002	-0.004
549869	6/12/2000 0:00	-0.002	-0.004
549870	6/13/2000 0:00	0.001	-0.003
549871	6/14/2000 0:00	0.019	-0.002
549872	6/15/2000 0:00	0.005	-0.002
549873	6/16/2000 0:00	0.009	0
549874	6/17/2000 0:00	0.007	0.001
549875	6/18/2000 0:00	0	0.001
549876	6/19/2000 0:00	0.021	0.002
549877	6/20/2000 0:00	0.012	0.002
549878	6/21/2000 0:00	0.024	0.001
549879	6/22/2000 0:00	-0.022	0.002
549880	6/23/2000 0:00	-0.001	0.002
549881	6/24/2000 0:00	-0.011	0.001
549882	6/25/2000 0:00	-0.009	0.001
549883	6/26/2000 0:00	0.006	0.002
549884	6/27/2000 0:00	0.011	0.002
549885	6/28/2000 0:00	-0.007	0.001
549886	6/29/2000 0:00	0.013	0.002
549887	6/30/2000 0:00	0	0.001
549888	7/1/2000 0:00	0.01	0
549889	7/2/2000 0:00	0.017	0
549890	7/3/2000 0:00	0.006	-0.001
549891	7/4/2000 0:00	0.011	-0.001
549892	7/5/2000 0:00	-0.015	-0.002
549893	7/6/2000 0:00	-0.01	-0.002
549894	7/7/2000 0:00	-0.005	-0.003
549895	7/8/2000 0:00	-0.012	-0.002
549896	7/9/2000 0:00	-0.03	-0.002
549897	7/10/2000 0:00	-0.006	-0.002
549898	7/11/2000 0:00	0.018	-0.001
549899	7/12/2000 0:00	0.009	-0.001
549900	7/13/2000 0:00	-0.028	-0.001
549901	7/18/2000 0:00	0.013	-0.002
549902	7/19/2000 0:00	-0.021	-0.002
549903	7/20/2000 0:00	-0.008	-0.002

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549904	7/21/2000 0:00	-0.005	-0.002
549905	7/22/2000 0:00	-0.012	-0.002
549906	7/23/2000 0:00	-0.016	-0.003
549907	7/24/2000 0:00	-0.004	-0.003
549908	7/25/2000 0:00	0.012	-0.003
549909	7/26/2000 0:00	-0.003	-0.002
549910	7/27/2000 0:00	0.011	-0.002
549911	7/28/2000 0:00	-0.014	-0.002
549912	7/29/2000 0:00	-0.002	-0.002
549913	7/30/2000 0:00	0.013	-0.002
549914	7/31/2000 0:00	0.02	-0.002
549915	8/1/2000 0:00	0.021	-0.003
549916	8/2/2000 0:00	-0.033	-0.003
549917	8/3/2000 0:00	0.007	-0.004
549918	8/4/2000 0:00	-0.003	-0.004
549919	8/5/2000 0:00	-0.006	-0.004
549920	8/6/2000 0:00	0.022	-0.003
549921	8/7/2000 0:00	-0.005	-0.003
549922	8/8/2000 0:00	-0.009	-0.002
549923	8/9/2000 0:00	0.007	-0.003
549924	8/10/2000 0:00	0.007	-0.003
549925	8/11/2000 0:00	0.007	-0.003
549926	8/12/2000 0:00	-0.029	-0.003
549927	8/13/2000 0:00	-0.025	-0.004
549928	8/14/2000 0:00	0.005	-0.003
549929	8/15/2000 0:00	0	-0.005
549930	8/16/2000 0:00	-0.03	-0.005
549931	8/17/2000 0:00	0	-0.006
549932	8/18/2000 0:00	-0.022	-0.005
549933	8/19/2000 0:00	-0.017	-0.006
549934	8/20/2000 0:00	-0.006	-0.006
549935	8/21/2000 0:00	0.011	-0.006
549936	8/22/2000 0:00	-0.008	-0.007
549937	8/23/2000 0:00	-0.003	-0.008
549938	8/24/2000 0:00	-0.01	-0.008
549939	8/25/2000 0:00	-0.008	-0.008
549940	8/26/2000 0:00	0.002	-0.008
549941	8/27/2000 0:00	0.009	-0.009
549942	8/28/2000 0:00	-0.03	-0.009
549943	8/29/2000 0:00	0.014	-0.008
549944	8/30/2000 0:00	-0.032	-0.009
549945	8/31/2000 0:00	-0.002	-0.009
549946	9/1/2000 0:00	-0.013	-0.007
549947	9/2/2000 0:00	0	-0.008
549948	9/3/2000 0:00	-0.001	-0.006
549949	9/4/2000 0:00	-0.008	-0.006

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549950	9/5/2000 0:00	-0.023	-0.006
549951	9/6/2000 0:00	0.017	-0.005
549952	9/7/2000 0:00	-0.038	-0.005
549953	9/8/2000 0:00	-0.007	-0.005
549954	9/9/2000 0:00	-0.009	-0.005
549955	9/10/2000 0:00	0.002	-0.006
549956	9/11/2000 0:00	-0.029	-0.006
549957	9/12/2000 0:00	-0.005	-0.006
549958	9/13/2000 0:00	-0.013	-0.006
549959	9/14/2000 0:00	-0.032	-0.006
549960	9/15/2000 0:00	0.019	-0.005
549961	9/16/2000 0:00	0.01	-0.005
549962	9/17/2000 0:00	-0.001	-0.004
549963	9/18/2000 0:00	0.016	-0.004
549964	9/19/2000 0:00	-0.014	-0.004
549965	9/20/2000 0:00	0.008	-0.004
549966	9/21/2000 0:00	0.035	-0.004
549967	9/22/2000 0:00	-0.009	-0.005
549968	9/23/2000 0:00	-0.009	-0.003
549969	9/24/2000 0:00	-0.018	-0.004
549970	9/25/2000 0:00	-0.018	-0.004
549971	9/26/2000 0:00	-0.007	-0.004
549972	9/27/2000 0:00	0.006	-0.003
549973	9/28/2000 0:00	-0.012	-0.002
549974	9/29/2000 0:00	0.009	-0.002
549975	9/30/2000 0:00	-0.009	0
549976	10/1/2000 0:00	0	-0.001
549977	10/2/2000 0:00	0.013	-0.001
549978	10/3/2000 0:00	-0.013	-0.001
549979	10/4/2000 0:00	-0.001	-0.001
549980	10/5/2000 0:00	0.008	-0.001
549981	10/6/2000 0:00	-0.036	-0.001
549982	10/7/2000 0:00	0.008	-0.002
549983	10/8/2000 0:00	0.002	-0.002
549984	10/9/2000 0:00	-0.012	-0.001
549985	10/10/2000 0:00	-0.009	0
549986	10/11/2000 0:00	0.003	0
549987	10/12/2000 0:00	0	0
549988	10/13/2000 0:00	0.012	0
549989	10/14/2000 0:00	0.001	0.001
549990	10/15/2000 0:00	0.009	0.002
549991	10/16/2000 0:00	0.008	0.002
549992	10/17/2000 0:00	0.007	0.001
549993	10/18/2000 0:00	-0.014	0.001
549994	10/19/2000 0:00	0.007	0.002
549995	10/20/2000 0:00	-0.013	0.002

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
549996	10/21/2000 0:00	0.012	0.003
549997	10/22/2000 0:00	0.017	0.003
549998	10/23/2000 0:00	-0.009	0.003
549999	10/24/2000 0:00	0.012	0.003
550000	10/25/2000 0:00	0.003	0.004
550001	10/26/2000 0:00	-0.018	0.003
550002	10/27/2000 0:00	0.019	0.004
550003	10/28/2000 0:00	0.001	0.004
550004	10/29/2000 0:00	0.007	0.004
550005	10/30/2000 0:00	0.033	0.004
550006	10/31/2000 0:00	-0.003	0.004
550007	11/1/2000 0:00	-0.011	0.005
550008	11/2/2000 0:00	0.01	0.005
550009	11/3/2000 0:00	0.001	0.005
550010	11/4/2000 0:00	0.016	0.005
550011	11/5/2000 0:00	0.015	0.006
550012	11/6/2000 0:00	-0.008	0.006
550013	11/7/2000 0:00	0.002	0.006
550014	11/8/2000 0:00	-0.007	0.006
550015	11/9/2000 0:00	0.012	0.006
550016	11/10/2000 0:00	-0.021	0.006
550017	11/11/2000 0:00	0.008	0.006
550018	11/12/2000 0:00	0.017	0.006
550019	11/13/2000 0:00	0.012	0.006
550020	11/14/2000 0:00	0.005	0.006
550021	11/15/2000 0:00	0.013	0.004
550022	11/16/2000 0:00	0.028	0.004
550023	11/17/2000 0:00	-0.003	0.004
550024	11/18/2000 0:00	0.01	0.003
550025	11/19/2000 0:00	0.002	0.003
550026	11/20/2000 0:00	0.006	0.002
550027	11/21/2000 0:00	0.004	0.002
550028	11/22/2000 0:00	0.026	0.001
550029	11/23/2000 0:00	-0.003	0
550030	11/24/2000 0:00	0.005	0
550031	11/25/2000 0:00	-0.008	0
550032	11/26/2000 0:00	-0.007	0
550033	11/27/2000 0:00	0.021	0
550034	11/28/2000 0:00	0.009	-0.001
550035	11/29/2000 0:00	-0.004	-0.002
550036	11/30/2000 0:00	-0.032	-0.003
550037	12/1/2000 0:00	0.002	-0.004
550038	12/2/2000 0:00	0.008	-0.005
550039	12/3/2000 0:00	-0.025	-0.006
550040	12/4/2000 0:00	-0.01	-0.007
550041	12/5/2000 0:00	-0.001	-0.007

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550042	12/6/2000 0:00	-0.012	-0.008
550043	12/7/2000 0:00	-0.029	-0.008
550044	12/8/2000 0:00	-0.011	-0.01
550045	12/9/2000 0:00	-0.019	-0.011
550046	12/10/2000 0:00	0.001	-0.011
550047	12/11/2000 0:00	-0.005	-0.012
550048	12/12/2000 0:00	-0.005	-0.012
550049	12/13/2000 0:00	-0.014	-0.013
550050	12/14/2000 0:00	-0.023	-0.014
550051	12/15/2000 0:00	-0.009	-0.014
550052	12/16/2000 0:00	-0.029	-0.014
550053	12/17/2000 0:00	-0.013	-0.014
550054	12/18/2000 0:00	-0.025	-0.015
550055	12/19/2000 0:00	-0.013	-0.014
550056	12/20/2000 0:00	-0.015	-0.015
550057	12/21/2000 0:00	0.003	-0.015
550058	12/22/2000 0:00	-0.007	-0.014
550059	12/23/2000 0:00	-0.036	-0.014
550060	12/24/2000 0:00	-0.025	-0.014
550061	12/25/2000 0:00	-0.02	-0.013
550062	12/26/2000 0:00	-0.021	-0.014
550063	12/27/2000 0:00	-0.016	-0.015
550064	12/28/2000 0:00	-0.016	-0.015
550065	12/29/2000 0:00	-0.013	-0.015
550066	12/30/2000 0:00	-0.014	-0.015
550067	12/31/2000 0:00	-0.025	-0.015
550068	1/1/2001 0:00	0	-0.015
550069	1/2/2001 0:00	-0.014	-0.015
550070	1/3/2001 0:00	-0.011	-0.016
550071	1/4/2001 0:00	-0.019	-0.016
550072	1/5/2001 0:00	0.003	-0.016
550073	1/6/2001 0:00	-0.009	-0.017
550074	1/7/2001 0:00	-0.01	-0.018
550075	1/8/2001 0:00	-0.005	-0.018
550076	1/9/2001 0:00	-0.002	-0.019
550077	1/10/2001 0:00	-0.018	-0.02
550078	1/11/2001 0:00	-0.037	-0.021
550079	1/12/2001 0:00	-0.004	-0.021
550080	1/13/2001 0:00	-0.009	-0.021
550081	1/14/2001 0:00	-0.027	-0.022
550082	1/15/2001 0:00	-0.017	-0.022
550083	1/16/2001 0:00	-0.028	-0.023
550084	1/17/2001 0:00	-0.027	-0.024
550085	1/18/2001 0:00	-0.035	-0.025
550086	1/19/2001 0:00	-0.023	-0.026
550087	1/20/2001 0:00	-0.031	-0.026

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550088	1/21/2001 0:00	-0.028	-0.028
550089	1/22/2001 0:00	-0.028	-0.029
550090	1/23/2001 0:00	-0.027	-0.031
550091	1/24/2001 0:00	-0.049	-0.032
550092	1/25/2001 0:00	-0.055	-0.033
550093	1/26/2001 0:00	-0.058	-0.033
550094	1/27/2001 0:00	-0.006	-0.033
550095	1/28/2001 0:00	-0.036	-0.034
550096	1/29/2001 0:00	-0.026	-0.034
550097	1/30/2001 0:00	-0.037	-0.034
550098	1/31/2001 0:00	-0.033	-0.035
550099	2/1/2001 0:00	-0.036	-0.036
550100	2/2/2001 0:00	-0.045	-0.036
550101	2/3/2001 0:00	-0.047	-0.036
550102	2/4/2001 0:00	-0.034	-0.036
550103	2/5/2001 0:00	-0.032	-0.037
550104	2/6/2001 0:00	-0.063	-0.037
550105	2/7/2001 0:00	-0.049	-0.038
550106	2/8/2001 0:00	-0.041	-0.037
550107	2/9/2001 0:00	-0.04	-0.037
550108	2/10/2001 0:00	-0.022	-0.037
550109	2/11/2001 0:00	-0.035	-0.036
550110	2/12/2001 0:00	-0.024	-0.037
550111	2/13/2001 0:00	-0.011	-0.037
550112	2/14/2001 0:00	-0.033	-0.035
550113	2/15/2001 0:00	-0.045	-0.035
550114	2/16/2001 0:00	-0.05	-0.034
550115	2/17/2001 0:00	-0.041	-0.033
550116	2/18/2001 0:00	-0.038	-0.033
550117	2/19/2001 0:00	-0.027	-0.035
550118	2/20/2001 0:00	-0.043	-0.034
550119	2/21/2001 0:00	-0.044	-0.034
550120	2/22/2001 0:00	-0.042	-0.032
550121	2/23/2001 0:00	0	-0.031
550122	2/24/2001 0:00	-0.048	-0.03
550123	2/25/2001 0:00	-0.06	-0.029
550124	2/26/2001 0:00	-0.021	-0.029
550125	2/27/2001 0:00	-0.052	-0.029
550126	2/28/2001 0:00	-0.016	-0.028
550127	3/1/2001 0:00	0.014	-0.028
550128	3/2/2001 0:00	-0.024	-0.027
550129	3/3/2001 0:00	0.003	-0.027
550130	3/4/2001 0:00	-0.018	-0.027
550131	3/5/2001 0:00	-0.048	-0.027
550132	3/6/2001 0:00	-0.091	-0.027
550133	3/7/2001 0:00	-0.026	-0.027

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550134	3/8/2001 0:00	-0.006	-0.026
550135	3/9/2001 0:00	-0.016	-0.025
550136	3/10/2001 0:00	-0.021	-0.025
550137	3/11/2001 0:00	-0.015	-0.026
550138	3/12/2001 0:00	-0.003	-0.025
550139	3/13/2001 0:00	-0.023	-0.023
550140	3/14/2001 0:00	-0.017	-0.023
550141	3/15/2001 0:00	-0.018	-0.022
550142	3/16/2001 0:00	0.009	-0.022
550143	3/17/2001 0:00	-0.015	-0.024
550144	3/18/2001 0:00	-0.036	-0.023
550145	3/19/2001 0:00	-0.054	-0.024
550146	3/20/2001 0:00	-0.033	-0.024
550147	3/21/2001 0:00	-0.043	-0.023
550148	3/22/2001 0:00	-0.034	-0.02
550149	3/23/2001 0:00	-0.015	-0.019
550150	3/24/2001 0:00	-0.016	-0.02
550151	3/25/2001 0:00	-0.035	-0.019
550152	3/26/2001 0:00	-0.02	-0.02
550153	3/27/2001 0:00	-0.03	-0.021
550154	3/28/2001 0:00	-0.005	-0.022
550155	3/29/2001 0:00	-0.014	-0.022
550156	3/30/2001 0:00	-0.019	-0.023
550157	3/31/2001 0:00	-0.025	-0.023
550158	4/1/2001 0:00	-0.029	-0.024
550159	4/2/2001 0:00	-0.007	-0.024
550160	4/3/2001 0:00	-0.029	-0.024
550161	4/4/2001 0:00	-0.018	-0.022
550162	4/5/2001 0:00	-0.008	-0.021
550163	4/6/2001 0:00	0.016	-0.019
550164	4/7/2001 0:00	-0.015	-0.019
550165	4/8/2001 0:00	-0.018	-0.019
550166	4/9/2001 0:00	-0.008	-0.019
550167	4/10/2001 0:00	-0.025	-0.017
550168	4/11/2001 0:00	-0.046	-0.016
550169	4/12/2001 0:00	-0.036	-0.015
550170	4/13/2001 0:00	-0.031	-0.014
550171	4/14/2001 0:00	-0.04	-0.013
550172	4/15/2001 0:00	-0.025	-0.013
550173	4/16/2001 0:00	-0.017	-0.013
550174	4/17/2001 0:00	-0.033	-0.011
550175	4/18/2001 0:00	-0.029	-0.012
550176	4/19/2001 0:00	0.015	-0.011
550177	4/20/2001 0:00	0	-0.011
550178	4/21/2001 0:00	0.015	-0.011
550179	4/22/2001 0:00	-0.029	-0.011

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550180	4/23/2001 0:00	-0.027	-0.011
550181	4/24/2001 0:00	-0.011	-0.011
550182	4/25/2001 0:00	0.032	-0.012
550183	4/26/2001 0:00	-0.002	-0.011
550184	4/27/2001 0:00	0.013	-0.01
550185	4/28/2001 0:00	0.025	-0.009
550186	4/29/2001 0:00	0.008	-0.007
550187	4/30/2001 0:00	-0.012	-0.006
550188	5/1/2001 0:00	-0.014	-0.005
550189	5/2/2001 0:00	0.008	-0.004
550190	5/3/2001 0:00	-0.018	-0.003
550191	5/4/2001 0:00	-0.01	-0.002
550192	5/5/2001 0:00	-0.005	-0.002
550193	5/6/2001 0:00	-0.014	-0.002
550194	5/7/2001 0:00	-0.002	-0.003
550195	5/8/2001 0:00	-0.005	-0.002
550196	5/9/2001 0:00	-0.011	0
550197	5/10/2001 0:00	-0.034	0.001
550198	5/11/2001 0:00	-0.005	0
550199	5/12/2001 0:00	0.001	0.001
550200	5/13/2001 0:00	-0.007	0
550201	5/14/2001 0:00	0.012	0
550202	5/15/2001 0:00	-0.009	0
550203	5/16/2001 0:00	0.015	0
550204	5/17/2001 0:00	0.009	0.001
550205	5/18/2001 0:00	0.014	0.002
550206	5/19/2001 0:00	0.001	0.003
550207	5/20/2001 0:00	0.005	0.003
550208	5/21/2001 0:00	-0.01	0.004
550209	5/22/2001 0:00	-0.004	0.005
550210	5/23/2001 0:00	0.01	0.005
550211	5/24/2001 0:00	0.014	0.005
550212	5/25/2001 0:00	0.016	0.006
550213	5/26/2001 0:00	0.008	0.007
550214	5/27/2001 0:00	0.023	0.007
550215	5/28/2001 0:00	0.002	0.008
550216	5/29/2001 0:00	0.007	0.009
550217	5/30/2001 0:00	0.005	0.009
550218	5/31/2001 0:00	-0.003	0.008
550219	6/1/2001 0:00	0.022	0.008
550220	6/2/2001 0:00	0.026	0.007
550221	6/3/2001 0:00	0.008	0.006
550222	6/4/2001 0:00	0.01	0.007
550223	6/5/2001 0:00	0.01	0.006
550224	6/6/2001 0:00	0.016	0.006
550225	6/7/2001 0:00	0.006	0.005

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550226	6/8/2001 0:00	0.007	0.005
550227	6/9/2001 0:00	-0.001	0.005
550228	6/10/2001 0:00	0.011	0.004
550229	6/11/2001 0:00	-0.002	0.002
550230	6/12/2001 0:00	0.018	0
550231	6/13/2001 0:00	0.032	0
550232	6/14/2001 0:00	0.009	-0.001
550233	6/15/2001 0:00	-0.02	-0.001
550234	6/16/2001 0:00	-0.008	-0.002
550235	6/17/2001 0:00	-0.011	-0.003
550236	6/18/2001 0:00	-0.005	-0.003
550237	6/19/2001 0:00	0.006	-0.005
550238	6/20/2001 0:00	-0.001	-0.006
550239	6/21/2001 0:00	-0.025	-0.007
550240	6/22/2001 0:00	-0.022	-0.008
550241	6/23/2001 0:00	-0.011	-0.01
550242	6/24/2001 0:00	0.024	-0.011
550243	6/25/2001 0:00	-0.018	-0.013
550244	6/26/2001 0:00	-0.048	-0.014
550245	6/27/2001 0:00	-0.039	-0.015
550246	6/28/2001 0:00	-0.01	-0.016
550247	6/29/2001 0:00	-0.005	-0.018
550248	6/30/2001 0:00	-0.012	-0.018
550249	7/1/2001 0:00	-0.017	-0.018
550250	7/2/2001 0:00	-0.017	-0.018
550251	7/3/2001 0:00	0.012	-0.019
550252	7/4/2001 0:00	-0.035	-0.019
550253	7/5/2001 0:00	-0.029	-0.02
550254	7/6/2001 0:00	-0.009	-0.021
550255	7/7/2001 0:00	-0.034	-0.021
550256	7/8/2001 0:00	-0.033	-0.021
550257	7/9/2001 0:00	-0.05	-0.022
550258	7/10/2001 0:00	-0.044	-0.023
550259	7/11/2001 0:00	-0.022	-0.024
550260	7/12/2001 0:00	-0.032	-0.023
550261	7/13/2001 0:00	-0.02	-0.023
550262	7/14/2001 0:00	-0.016	-0.024
550263	7/15/2001 0:00	-0.012	-0.024
550264	7/16/2001 0:00	-0.024	-0.024
550265	7/17/2001 0:00	-0.008	-0.024
550266	7/18/2001 0:00	-0.024	-0.025
550267	7/19/2001 0:00	-0.022	-0.025
550268	7/20/2001 0:00	-0.023	-0.024
550269	7/21/2001 0:00	-0.034	-0.024
550270	7/22/2001 0:00	-0.017	-0.024
550271	7/23/2001 0:00	-0.026	-0.024

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550272	7/24/2001 0:00	-0.034	-0.024
550273	7/25/2001 0:00	-0.022	-0.023
550274	7/26/2001 0:00	-0.032	-0.023
550275	7/27/2001 0:00	-0.023	-0.022
550276	7/28/2001 0:00	-0.043	-0.023
550277	7/29/2001 0:00	-0.035	-0.024
550278	7/30/2001 0:00	-0.006	-0.024
550279	7/31/2001 0:00	0	-0.025
550280	8/1/2001 0:00	-0.026	-0.025
550281	8/2/2001 0:00	-0.035	-0.026
550282	8/3/2001 0:00	-0.011	-0.027
550283	8/4/2001 0:00	-0.002	-0.027
550284	8/5/2001 0:00	-0.026	-0.027
550285	8/6/2001 0:00	-0.019	-0.028
550286	8/7/2001 0:00	-0.025	-0.028
550287	8/8/2001 0:00	-0.027	-0.028
550288	8/9/2001 0:00	-0.031	-0.027
550289	8/10/2001 0:00	-0.024	-0.027
550290	8/11/2001 0:00	-0.016	-0.027
550291	8/12/2001 0:00	-0.047	-0.027
550292	8/13/2001 0:00	-0.06	-0.027
550293	8/14/2001 0:00	-0.022	-0.027
550294	8/15/2001 0:00	-0.046	-0.028
550295	8/16/2001 0:00	-0.017	-0.028
550296	8/17/2001 0:00	-0.038	-0.027
550297	8/18/2001 0:00	-0.044	-0.027
550298	8/19/2001 0:00	-0.026	-0.027
550299	8/20/2001 0:00	-0.035	-0.028
550300	8/21/2001 0:00	-0.044	-0.027
550301	8/22/2001 0:00	-0.025	-0.026
550302	8/23/2001 0:00	-0.031	-0.027
550303	8/24/2001 0:00	-0.005	-0.026
550304	8/25/2001 0:00	-0.011	-0.026
550305	8/26/2001 0:00	-0.039	-0.027
550306	8/27/2001 0:00	-0.031	-0.027
550307	8/28/2001 0:00	-0.022	-0.026
550308	8/29/2001 0:00	-0.035	-0.024
550309	8/30/2001 0:00	-0.042	-0.024
550310	8/31/2001 0:00	0.001	-0.023
550311	9/1/2001 0:00	-0.016	-0.023
550312	9/2/2001 0:00	-0.006	-0.021
550313	9/3/2001 0:00	-0.011	-0.02
550314	9/4/2001 0:00	-0.035	-0.019
550315	9/5/2001 0:00	-0.003	-0.018
550316	9/6/2001 0:00	-0.001	-0.017
550317	9/7/2001 0:00	-0.033	-0.016

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550318	9/8/2001 0:00	-0.018	-0.016
550319	9/9/2001 0:00	-0.028	-0.016
550320	9/10/2001 0:00	-0.043	-0.015
550321	9/11/2001 0:00	-0.028	-0.015
550322	9/12/2001 0:00	-0.004	-0.013
550323	9/13/2001 0:00	-0.011	-0.013
550324	9/14/2001 0:00	-0.02	-0.012
550325	9/15/2001 0:00	-0.014	-0.011
550326	9/16/2001 0:00	0.001	-0.012
550327	9/17/2001 0:00	0.01	-0.012
550328	9/18/2001 0:00	-0.005	-0.011
550329	9/19/2001 0:00	-0.007	-0.011
550330	9/20/2001 0:00	0.002	-0.01
550331	9/21/2001 0:00	-0.012	-0.01
550332	9/22/2001 0:00	-0.013	-0.011
550333	9/23/2001 0:00	-0.006	-0.01
550334	9/24/2001 0:00	-0.008	-0.01
550335	9/25/2001 0:00	0.002	-0.011
550336	9/26/2001 0:00	-0.016	-0.01
550337	9/27/2001 0:00	0.005	-0.01
550338	9/28/2001 0:00	0.003	-0.01
550339	9/29/2001 0:00	-0.009	-0.009
550340	9/30/2001 0:00	-0.022	-0.009
550341	10/1/2001 0:00	-0.024	-0.009
550342	10/2/2001 0:00	-0.007	-0.01
550343	10/3/2001 0:00	-0.001	-0.01
550344	10/4/2001 0:00	-0.011	-0.011
550345	10/5/2001 0:00	0.012	-0.011
550346	10/6/2001 0:00	-0.011	-0.01
550347	10/7/2001 0:00	-0.014	-0.01
550348	10/8/2001 0:00	-0.02	-0.01
550349	10/9/2001 0:00	-0.018	-0.01
550350	10/10/2001 0:00	-0.051	-0.01
550351	10/11/2001 0:00	-0.016	-0.011
550352	10/12/2001 0:00	-0.032	-0.01
550353	10/13/2001 0:00	0.003	-0.011
550354	10/14/2001 0:00	0.005	-0.011
550355	10/15/2001 0:00	0.008	-0.011
550356	10/16/2001 0:00	-0.024	-0.011
550357	10/17/2001 0:00	-0.033	-0.01
550358	10/18/2001 0:00	-0.003	-0.009
550359	10/19/2001 0:00	-0.024	-0.01
550360	10/20/2001 0:00	0	-0.01
550361	10/21/2001 0:00	0.02	-0.01
550362	10/22/2001 0:00	-0.011	-0.01
550363	10/23/2001 0:00	-0.019	-0.01

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550364	10/24/2001 0:00	0.013	-0.01
550365	10/25/2001 0:00	-0.023	-0.011
550366	10/26/2001 0:00	-0.006	-0.01
550367	10/27/2001 0:00	-0.003	-0.008
550368	10/28/2001 0:00	-0.022	-0.007
550369	10/29/2001 0:00	0.01	-0.007
550370	10/30/2001 0:00	-0.02	-0.008
550371	10/31/2001 0:00	-0.003	-0.009
550372	11/1/2001 0:00	-0.002	-0.008
550373	11/2/2001 0:00	0.005	-0.007
550374	11/3/2001 0:00	-0.015	-0.004
550375	11/4/2001 0:00	-0.015	-0.004
550376	11/5/2001 0:00	0.009	-0.005
550377	11/6/2001 0:00	-0.002	-0.006
550378	11/7/2001 0:00	-0.019	-0.006
550379	11/8/2001 0:00	-0.025	-0.006
550380	11/9/2001 0:00	-0.036	-0.006
550381	11/10/2001 0:00	-0.021	-0.005
550382	11/11/2001 0:00	0.027	-0.007
550383	11/12/2001 0:00	0	-0.007
550384	11/13/2001 0:00	0.009	-0.008
550385	11/14/2001 0:00	-0.021	-0.007
550386	11/15/2001 0:00	-0.024	-0.006
550387	11/16/2001 0:00	-0.006	-0.007
550388	11/17/2001 0:00	0.014	-0.008
550389	11/18/2001 0:00	0.093	-0.009
550390	11/19/2001 0:00	-0.043	-0.009
550391	11/20/2001 0:00	-0.004	-0.01
550392	11/21/2001 0:00	-0.016	-0.011
550393	11/22/2001 0:00	-0.008	-0.013
550394	11/23/2001 0:00	-0.02	-0.014
550395	11/24/2001 0:00	-0.002	-0.013
550396	11/25/2001 0:00	-0.002	-0.011
550397	11/26/2001 0:00	-0.048	-0.011
550398	11/27/2001 0:00	-0.011	-0.012
550399	11/28/2001 0:00	-0.038	-0.014
550400	11/29/2001 0:00	0.018	-0.015
550401	11/30/2001 0:00	0.018	-0.014
550402	12/1/2001 0:00	-0.026	-0.015
550403	12/2/2001 0:00	-0.041	-0.016
550404	12/3/2001 0:00	-0.027	-0.017
550405	12/4/2001 0:00	-0.023	-0.022
550406	12/5/2001 0:00	-0.044	-0.021
550407	12/6/2001 0:00	-0.027	-0.022
550408	12/7/2001 0:00	-0.05	-0.023
550409	12/8/2001 0:00	-0.047	-0.024

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550410	12/9/2001 0:00	0.005	-0.026
550411	12/10/2001 0:00	0.011	-0.029
550412	12/11/2001 0:00	-0.009	-0.03
550413	12/12/2001 0:00	-0.015	-0.028
550414	12/13/2001 0:00	-0.035	-0.028
550415	12/14/2001 0:00	-0.029	-0.022
550416	12/15/2001 0:00	-0.002	-0.024
550417	12/16/2001 0:00	-0.046	-0.026
550418	12/17/2001 0:00	-0.042	-0.026
550419	12/18/2001 0:00	-0.022	-0.025
550420	12/19/2001 0:00	-0.046	-0.024
550421	12/20/2001 0:00	-0.038	-0.024
550422	12/21/2001 0:00	-0.035	-0.023
550423	12/22/2001 0:00	-0.023	-0.023
550424	12/23/2001 0:00	-0.058	-0.022
550425	12/24/2001 0:00	-0.079	-0.022
550426	12/25/2001 0:00	-0.081	-0.022
550427	12/26/2001 0:00	-0.034	-0.024
550428	12/27/2001 0:00	-0.001	-0.024
550429	12/28/2001 0:00	-0.003	-0.025
550430	12/29/2001 0:00	0.156	-0.024
550431	1/16/2002 0:00	-0.053	-0.024
550432	1/17/2002 0:00	-0.037	-0.026
550433	1/18/2002 0:00	-0.032	-0.025
550434	1/19/2002 0:00	-0.019	-0.024
550435	1/20/2002 0:00	0.006	-0.025
550436	1/21/2002 0:00	-0.018	-0.024
550437	1/22/2002 0:00	-0.003	-0.023
550438	1/23/2002 0:00	-0.033	-0.021
550439	1/24/2002 0:00	-0.033	-0.02
550440	1/25/2002 0:00	-0.024	-0.019
550441	1/26/2002 0:00	-0.022	-0.018
550442	1/27/2002 0:00	-0.033	-0.017
550443	1/28/2002 0:00	-0.013	-0.016
550444	1/29/2002 0:00	-0.037	-0.017
550445	1/30/2002 0:00	-0.027	-0.018
550446	1/31/2002 0:00	-0.029	-0.023
550447	2/1/2002 0:00	-0.044	-0.021
550448	2/2/2002 0:00	-0.006	-0.02
550449	2/3/2002 0:00	-0.033	-0.02
550450	2/4/2002 0:00	-0.032	-0.019
550451	2/5/2002 0:00	-0.016	-0.02
550452	2/6/2002 0:00	-0.005	-0.02
550453	2/7/2002 0:00	0.016	-0.021
550454	2/8/2002 0:00	0.009	-0.02
550455	2/9/2002 0:00	-0.018	-0.02

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550456	2/10/2002 0:00	-0.06	-0.019
550457	2/11/2002 0:00	-0.041	-0.02
550458	2/12/2002 0:00	-0.019	-0.019
550459	2/13/2002 0:00	-0.028	-0.019
550460	2/14/2002 0:00	-0.021	-0.017
550461	2/15/2002 0:00	0.007	-0.017
550462	2/16/2002 0:00	-0.013	-0.017
550463	2/17/2002 0:00	-0.002	-0.016
550464	2/18/2002 0:00	-0.021	-0.017
550465	2/19/2002 0:00	-0.011	-0.017
550466	2/20/2002 0:00	-0.005	-0.016
550467	2/21/2002 0:00	-0.016	-0.017
550468	2/22/2002 0:00	-0.039	-0.018
550469	2/23/2002 0:00	-0.018	-0.02
550470	2/24/2002 0:00	-0.012	-0.021
550471	2/25/2002 0:00	0.003	-0.021
550472	2/26/2002 0:00	-0.048	-0.019
550473	2/27/2002 0:00	0.003	-0.019
550474	2/28/2002 0:00	-0.014	-0.018
550475	3/1/2002 0:00	0.015	-0.018
550476	3/2/2002 0:00	-0.014	-0.018
550477	3/3/2002 0:00	-0.04	-0.018
550478	3/4/2002 0:00	-0.018	-0.018
550479	3/5/2002 0:00	-0.021	-0.02
550480	3/6/2002 0:00	-0.039	-0.02
550481	3/7/2002 0:00	-0.023	-0.021
550482	3/8/2002 0:00	-0.03	-0.021
550483	3/9/2002 0:00	-0.04	-0.022
550484	3/10/2002 0:00	-0.036	-0.022
550485	3/11/2002 0:00	-0.027	-0.023
550486	3/12/2002 0:00	-0.022	-0.024
550487	3/13/2002 0:00	-0.004	-0.024
550488	3/14/2002 0:00	-0.019	-0.024
550489	3/15/2002 0:00	-0.003	-0.026
550490	3/16/2002 0:00	-0.013	-0.025
550491	3/17/2002 0:00	-0.025	-0.026
550492	3/18/2002 0:00	-0.003	-0.027
550493	3/19/2002 0:00	-0.024	-0.026
550494	3/20/2002 0:00	-0.04	-0.026
550495	3/21/2002 0:00	-0.041	-0.027
550496	3/22/2002 0:00	-0.032	-0.026
550497	3/23/2002 0:00	-0.026	-0.025
550498	3/24/2002 0:00	-0.044	-0.024
550499	3/25/2002 0:00	-0.034	-0.024
550500	3/26/2002 0:00	-0.044	-0.024
550501	3/27/2002 0:00	-0.031	-0.024

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550502	3/28/2002 0:00	-0.011	-0.024
550503	3/29/2002 0:00	-0.054	-0.025
550504	3/30/2002 0:00	-0.051	-0.024
550505	3/31/2002 0:00	0.007	-0.023
550506	4/1/2002 0:00	-0.019	-0.023
550507	4/2/2002 0:00	-0.021	-0.022
550508	4/3/2002 0:00	-0.005	-0.023
550509	4/4/2002 0:00	-0.03	-0.023
550510	4/5/2002 0:00	-0.049	-0.023
550511	4/6/2002 0:00	-0.016	-0.022
550512	4/7/2002 0:00	0	-0.022
550513	4/8/2002 0:00	-0.002	-0.021
550514	4/9/2002 0:00	-0.03	-0.02
550515	4/10/2002 0:00	-0.047	-0.02
550516	4/11/2002 0:00	-0.025	-0.019
550517	4/12/2002 0:00	-0.003	-0.018
550518	4/13/2002 0:00	-0.032	-0.019
550519	4/14/2002 0:00	0.007	-0.018
550520	4/15/2002 0:00	0.02	-0.017
550521	4/16/2002 0:00	-0.005	-0.019
550522	4/17/2002 0:00	-0.013	-0.019
550523	4/18/2002 0:00	-0.027	-0.018
550524	4/19/2002 0:00	-0.026	-0.018
550525	4/20/2002 0:00	-0.027	-0.018
550526	4/21/2002 0:00	-0.026	-0.017
550527	4/22/2002 0:00	-0.015	-0.017
550528	4/23/2002 0:00	0.01	-0.017
550529	4/24/2002 0:00	-0.032	-0.018
550530	4/25/2002 0:00	-0.019	-0.017
550531	4/26/2002 0:00	-0.02	-0.016
550532	4/27/2002 0:00	-0.012	-0.016
550533	4/28/2002 0:00	-0.017	-0.017
550534	4/29/2002 0:00	-0.03	-0.016
550535	4/30/2002 0:00	-0.033	-0.017
550536	5/1/2002 0:00	-0.037	-0.017
550537	5/2/2002 0:00	-0.022	-0.017
550538	5/3/2002 0:00	0.01	-0.017
550539	5/4/2002 0:00	-0.016	-0.017
550540	5/5/2002 0:00	-0.021	-0.015
550541	5/6/2002 0:00	-0.019	-0.014
550542	5/7/2002 0:00	-0.022	-0.014
550543	5/8/2002 0:00	-0.007	-0.014
550544	5/9/2002 0:00	-0.009	-0.014
550545	5/10/2002 0:00	-0.006	-0.014
550546	5/11/2002 0:00	-0.021	-0.013
550547	5/12/2002 0:00	-0.017	-0.011

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550548	5/13/2002 0:00	-0.039	-0.011
550549	5/14/2002 0:00	-0.017	-0.011
550550	5/15/2002 0:00	-0.01	-0.009
550551	5/16/2002 0:00	0.016	-0.008
550552	5/17/2002 0:00	-0.007	-0.005
550553	5/18/2002 0:00	-0.021	-0.003
550554	5/19/2002 0:00	-0.003	-0.003
550555	5/20/2002 0:00	0.02	-0.002
550556	5/21/2002 0:00	-0.005	-0.001
550557	5/22/2002 0:00	-0.021	0
550558	5/23/2002 0:00	0.006	0.001
550559	5/24/2002 0:00	0.009	0.001
550560	5/25/2002 0:00	-0.039	0.002
550561	5/26/2002 0:00	0.013	0.002
550562	5/27/2002 0:00	0.027	0.002
550563	5/28/2002 0:00	-0.007	0.004
550564	5/29/2002 0:00	0	0.005
550565	5/30/2002 0:00	0.024	0.006
550566	5/31/2002 0:00	0.009	0.006
550567	6/1/2002 0:00	0.051	0.006
550568	6/2/2002 0:00	0.03	0.006
550569	6/3/2002 0:00	0.018	0.007
550570	6/4/2002 0:00	-0.001	0.008
550571	6/5/2002 0:00	0.003	0.007
550572	6/6/2002 0:00	0.027	0.006
550573	6/7/2002 0:00	0.012	0.007
550574	6/8/2002 0:00	-0.003	0.007
550575	6/9/2002 0:00	0.009	0.007
550576	6/10/2002 0:00	-0.001	0.009
550577	6/11/2002 0:00	-0.006	0.009
550578	6/12/2002 0:00	0.02	0.007
550579	6/13/2002 0:00	-0.002	0.008
550580	6/14/2002 0:00	0.012	0.009
550581	6/15/2002 0:00	0	0.008
550582	6/16/2002 0:00	-0.001	0.008
550583	6/17/2002 0:00	0.017	0.007
550584	6/18/2002 0:00	-0.003	0.005
550585	6/19/2002 0:00	0.025	0.004
550586	6/20/2002 0:00	-0.001	0.005
550587	6/21/2002 0:00	-0.031	0.004
550588	6/22/2002 0:00	-0.014	0.004
550589	6/23/2002 0:00	0.014	0.003
550590	6/24/2002 0:00	0.015	0.002
550591	6/25/2002 0:00	0.02	0.002
550592	6/26/2002 0:00	0.01	0.001
550593	6/27/2002 0:00	-0.017	0.001

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550594	6/28/2002 0:00	0.015	0
550595	6/29/2002 0:00	0.02	0
550596	6/30/2002 0:00	-0.004	-0.001
550597	7/1/2002 0:00	0.015	-0.001
550598	7/2/2002 0:00	0.012	-0.002
550599	7/3/2002 0:00	-0.022	-0.003
550600	7/4/2002 0:00	-0.01	-0.003
550601	7/5/2002 0:00	0.011	-0.006
550602	7/6/2002 0:00	-0.009	-0.006
550603	7/7/2002 0:00	0.01	-0.007
550604	7/8/2002 0:00	-0.013	-0.008
550605	7/9/2002 0:00	-0.018	-0.009
550606	7/10/2002 0:00	-0.013	-0.011
550607	7/11/2002 0:00	-0.023	-0.013
550608	7/12/2002 0:00	0.004	-0.014
550609	7/13/2002 0:00	-0.016	-0.014
550610	7/14/2002 0:00	-0.01	-0.016
550611	7/15/2002 0:00	0.001	-0.018
550612	7/16/2002 0:00	-0.026	-0.02
550613	7/17/2002 0:00	-0.015	-0.022
550614	7/18/2002 0:00	-0.027	-0.023
550615	7/19/2002 0:00	-0.009	-0.025
550616	7/20/2002 0:00	-0.039	-0.025
550617	7/21/2002 0:00	-0.029	-0.027
550618	7/22/2002 0:00	-0.052	-0.029
550619	7/23/2002 0:00	-0.039	-0.03
550620	7/24/2002 0:00	-0.034	-0.031
550621	7/25/2002 0:00	-0.025	-0.032
550622	7/26/2002 0:00	-0.039	-0.033
550623	7/27/2002 0:00	-0.023	-0.033
550624	7/28/2002 0:00	-0.036	-0.034
550625	7/29/2002 0:00	-0.048	-0.035
550626	7/30/2002 0:00	-0.041	-0.036
550627	7/31/2002 0:00	-0.063	-0.038
550628	8/1/2002 0:00	-0.044	-0.038
550629	8/2/2002 0:00	-0.024	-0.038
550630	8/3/2002 0:00	-0.059	-0.038
550631	8/4/2002 0:00	-0.028	-0.039
550632	8/5/2002 0:00	-0.058	-0.039
550633	8/6/2002 0:00	-0.048	-0.039
550634	8/7/2002 0:00	-0.043	-0.038
550635	8/8/2002 0:00	-0.045	-0.039
550636	8/9/2002 0:00	-0.033	-0.039
550637	8/10/2002 0:00	-0.04	-0.039
550638	8/11/2002 0:00	-0.034	-0.039
550639	8/12/2002 0:00	-0.019	-0.039

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550640	8/13/2002 0:00	-0.052	-0.039
550641	8/14/2002 0:00	-0.048	-0.039
550642	8/15/2002 0:00	-0.062	-0.038
550643	8/16/2002 0:00	-0.021	-0.038
550644	8/17/2002 0:00	-0.017	-0.037
550645	8/18/2002 0:00	-0.033	-0.038
550646	8/19/2002 0:00	-0.018	-0.037
550647	8/20/2002 0:00	-0.037	-0.037
550648	8/21/2002 0:00	-0.036	-0.036
550649	8/22/2002 0:00	-0.038	-0.036
550650	8/23/2002 0:00	-0.053	-0.035
550651	8/24/2002 0:00	-0.043	-0.034
550652	8/25/2002 0:00	-0.028	-0.033
550653	8/26/2002 0:00	-0.029	-0.032
550654	8/27/2002 0:00	-0.03	-0.031
550655	8/28/2002 0:00	-0.028	-0.031
550656	8/29/2002 0:00	-0.043	-0.03
550657	8/30/2002 0:00	-0.028	-0.029
550658	8/31/2002 0:00	-0.044	-0.027
550659	9/1/2002 0:00	-0.027	-0.027
550660	9/2/2002 0:00	-0.051	-0.027
550661	9/3/2002 0:00	-0.028	-0.025
550662	9/4/2002 0:00	-0.026	-0.025
550663	9/5/2002 0:00	-0.026	-0.024
550664	9/6/2002 0:00	-0.041	-0.024
550665	9/7/2002 0:00	-0.021	-0.023
550666	9/8/2002 0:00	-0.009	-0.022
550667	9/9/2002 0:00	-0.004	-0.021
550668	9/10/2002 0:00	-0.008	-0.021
550669	9/11/2002 0:00	-0.011	-0.02
550670	9/12/2002 0:00	-0.008	-0.019
550671	9/13/2002 0:00	-0.03	-0.019
550672	9/14/2002 0:00	-0.009	-0.017
550673	9/15/2002 0:00	-0.019	-0.017
550674	9/16/2002 0:00	-0.023	-0.017
550675	9/17/2002 0:00	0	-0.017
550676	9/18/2002 0:00	0.009	-0.017
550677	9/19/2002 0:00	0.006	-0.016
550678	9/20/2002 0:00	-0.021	-0.016
550679	9/21/2002 0:00	-0.025	-0.016
550680	9/22/2002 0:00	-0.021	-0.015
550681	9/23/2002 0:00	-0.022	-0.015
550682	9/24/2002 0:00	0.002	-0.016
550683	9/25/2002 0:00	-0.025	-0.016
550684	9/26/2002 0:00	-0.001	-0.017
550685	9/27/2002 0:00	0.001	-0.018

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550686	9/28/2002 0:00	-0.02	-0.018
550687	9/29/2002 0:00	-0.003	-0.018
550688	9/30/2002 0:00	-0.028	-0.018
550689	10/1/2002 0:00	-0.046	-0.017
550690	10/2/2002 0:00	-0.02	-0.016
550691	10/3/2002 0:00	-0.033	-0.016
550692	10/4/2002 0:00	-0.004	-0.016
550693	10/5/2002 0:00	-0.025	-0.016
550694	10/6/2002 0:00	-0.027	-0.016
550695	10/7/2002 0:00	-0.017	-0.017
550696	10/8/2002 0:00	-0.036	-0.017
550697	10/9/2002 0:00	-0.031	-0.017
550698	10/10/2002 0:00	-0.008	-0.017
550699	10/11/2002 0:00	-0.036	-0.017
550700	10/12/2002 0:00	-0.036	-0.018
550701	10/13/2002 0:00	-0.007	-0.019
550702	10/14/2002 0:00	-0.017	-0.02
550703	10/15/2002 0:00	-0.009	-0.02
550704	10/16/2002 0:00	0.007	-0.019
550705	10/17/2002 0:00	0.004	-0.018
550706	10/18/2002 0:00	-0.008	-0.018
550707	10/19/2002 0:00	-0.001	-0.017
550708	10/20/2002 0:00	0.006	-0.017
550709	10/21/2002 0:00	-0.002	-0.017
550710	10/22/2002 0:00	-0.047	-0.016
550711	10/23/2002 0:00	-0.027	-0.017
550712	10/24/2002 0:00	-0.02	-0.016
550713	10/25/2002 0:00	0.001	-0.015
550714	10/26/2002 0:00	-0.021	-0.017
550715	10/27/2002 0:00	-0.033	-0.017
550716	10/28/2002 0:00	-0.034	-0.017
550717	10/29/2002 0:00	-0.058	-0.018
550718	10/31/2002 0:00	-0.004	-0.018
550719	11/1/2002 0:00	-0.003	-0.019
550720	11/2/2002 0:00	0	-0.021
550721	11/3/2002 0:00	-0.035	-0.022
550722	11/4/2002 0:00	0.003	-0.024
550723	11/5/2002 0:00	-0.003	-0.026
550724	11/6/2002 0:00	-0.013	-0.026
550725	11/7/2002 0:00	-0.007	-0.027
550726	11/8/2002 0:00	-0.041	-0.027
550727	11/9/2002 0:00	-0.01	-0.026
550728	11/10/2002 0:00	-0.007	-0.027
550729	11/11/2002 0:00	-0.059	-0.028
550730	11/12/2002 0:00	-0.053	-0.027
550731	11/13/2002 0:00	-0.043	-0.027

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550732	11/14/2002 0:00	-0.03	-0.026
550733	11/15/2002 0:00	-0.011	-0.025
550734	11/16/2002 0:00	-0.049	-0.026
550735	11/17/2002 0:00	-0.036	-0.028
550736	11/18/2002 0:00	-0.048	-0.029
550737	11/19/2002 0:00	-0.051	-0.03
550738	11/20/2002 0:00	-0.06	-0.032
550739	11/21/2002 0:00	-0.015	-0.032
550740	11/22/2002 0:00	-0.021	-0.034
550741	11/23/2002 0:00	-0.034	-0.035
550742	11/24/2002 0:00	-0.018	-0.034
550743	11/25/2002 0:00	-0.032	-0.035
550744	11/26/2002 0:00	-0.033	-0.035
550745	11/27/2002 0:00	-0.01	-0.034
550746	11/28/2002 0:00	-0.012	-0.034
550747	11/29/2002 0:00	-0.009	-0.034
550748	11/30/2002 0:00	-0.032	-0.033
550749	12/1/2002 0:00	-0.047	-0.033
550750	12/2/2002 0:00	-0.043	-0.033
550751	12/3/2002 0:00	-0.046	-0.033
550752	12/4/2002 0:00	-0.053	-0.033
550753	12/5/2002 0:00	-0.055	-0.032
550754	12/6/2002 0:00	-0.026	-0.032
550755	12/7/2002 0:00	-0.063	-0.033
550756	12/8/2002 0:00	-0.027	-0.033
550757	12/9/2002 0:00	-0.034	-0.033
550758	12/10/2002 0:00	-0.018	-0.034
550759	12/11/2002 0:00	-0.016	-0.035
550760	12/12/2002 0:00	-0.037	-0.035
550761	12/13/2002 0:00	-0.059	-0.036
550762	12/14/2002 0:00	-0.018	-0.037
550763	12/15/2002 0:00	-0.008	-0.038
550764	12/16/2002 0:00	-0.023	-0.038
550765	12/17/2002 0:00	-0.036	-0.038
550766	12/18/2002 0:00	-0.033	-0.038
550767	12/19/2002 0:00	-0.046	-0.039
550768	12/20/2002 0:00	-0.025	-0.039
550769	12/21/2002 0:00	-0.051	-0.039
550770	12/22/2002 0:00	-0.049	-0.04
550771	12/23/2002 0:00	-0.041	-0.04
550772	12/24/2002 0:00	-0.031	-0.041
550773	12/25/2002 0:00	-0.056	-0.041
550774	12/26/2002 0:00	-0.04	-0.042
550775	12/27/2002 0:00	-0.041	-0.043
550776	12/28/2002 0:00	-0.039	-0.043
550777	12/29/2002 0:00	-0.035	-0.042

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550778	12/30/2002 0:00	-0.041	-0.043
550779	12/31/2002 0:00	-0.026	-0.045
550780	1/1/2003 0:00	-0.064	-0.045
550781	1/2/2003 0:00	-0.055	-0.046
550782	1/3/2003 0:00	-0.062	-0.045
550783	1/4/2003 0:00	-0.067	-0.044
550784	1/5/2003 0:00	-0.047	-0.044
550785	1/6/2003 0:00	-0.057	-0.044
550786	1/7/2003 0:00	-0.073	-0.043
550787	1/8/2003 0:00	-0.049	-0.042
550788	1/9/2003 0:00	-0.038	-0.042
550789	1/10/2003 0:00	-0.03	-0.041
550790	1/11/2003 0:00	-0.046	-0.04
550791	1/12/2003 0:00	-0.038	-0.04
550792	1/13/2003 0:00	-0.035	-0.039
550793	1/14/2003 0:00	-0.059	-0.038
550794	1/15/2003 0:00	-0.053	-0.037
550795	1/16/2003 0:00	-0.042	-0.037
550796	1/17/2003 0:00	-0.057	-0.035
550797	1/18/2003 0:00	-0.017	-0.034
550798	1/19/2003 0:00	-0.013	-0.033
550799	1/20/2003 0:00	-0.028	-0.03
550800	1/21/2003 0:00	-0.043	-0.03
550801	1/22/2003 0:00	-0.01	-0.028
550802	1/23/2003 0:00	-0.021	-0.025
550803	1/24/2003 0:00	-0.018	-0.024
550804	1/25/2003 0:00	-0.018	-0.023
550805	1/26/2003 0:00	-0.023	-0.022
550806	1/27/2003 0:00	-0.036	-0.02
550807	1/28/2003 0:00	-0.008	-0.019
550808	1/29/2003 0:00	-0.001	-0.019
550809	1/30/2003 0:00	-0.022	-0.017
550810	1/31/2003 0:00	-0.021	-0.016
550811	2/1/2003 0:00	-0.002	-0.015
550812	2/2/2003 0:00	-0.01	-0.013
550813	2/3/2003 0:00	-0.032	-0.013
550814	2/4/2003 0:00	0.007	-0.014
550815	2/5/2003 0:00	-0.026	-0.014
550816	2/6/2003 0:00	-0.001	-0.013
550817	2/7/2003 0:00	0.006	-0.013
550818	2/8/2003 0:00	0.003	-0.013
550819	2/9/2003 0:00	-0.011	-0.013
550820	2/10/2003 0:00	-0.007	-0.014
550821	2/11/2003 0:00	0.007	-0.014
550822	2/12/2003 0:00	-0.005	-0.013
550823	2/13/2003 0:00	-0.017	-0.014

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550824	2/14/2003 0:00	-0.015	-0.014
550825	2/15/2003 0:00	-0.016	-0.015
550826	2/16/2003 0:00	0.002	-0.015
550827	2/17/2003 0:00	-0.013	-0.015
550828	2/18/2003 0:00	-0.014	-0.015
550829	2/19/2003 0:00	-0.045	-0.014
550830	2/20/2003 0:00	-0.027	-0.016
550831	2/21/2003 0:00	-0.003	-0.016
550832	2/22/2003 0:00	-0.014	-0.018
550833	2/23/2003 0:00	-0.015	-0.019
550834	2/24/2003 0:00	-0.036	-0.019
550835	2/25/2003 0:00	-0.035	-0.02
550836	2/26/2003 0:00	-0.014	-0.02
550837	2/27/2003 0:00	-0.022	-0.021
550838	2/28/2003 0:00	-0.02	-0.02
550839	3/1/2003 0:00	-0.024	-0.02
550840	3/2/2003 0:00	-0.029	-0.02
550841	3/3/2003 0:00	-0.024	-0.02
550842	3/4/2003 0:00	-0.006	-0.021
550843	3/5/2003 0:00	-0.006	-0.022
550844	3/6/2003 0:00	-0.019	-0.022
550845	3/7/2003 0:00	-0.049	-0.022
550846	3/8/2003 0:00	-0.038	-0.022
550847	3/9/2003 0:00	-0.04	-0.023
550848	3/10/2003 0:00	-0.022	-0.023
550849	3/11/2003 0:00	-0.021	-0.024
550850	3/12/2003 0:00	-0.04	-0.024
550851	3/13/2003 0:00	0.003	-0.024
550852	3/14/2003 0:00	-0.01	-0.025
550853	3/15/2003 0:00	-0.005	-0.026
550854	3/16/2003 0:00	-0.004	-0.026
550855	3/17/2003 0:00	-0.024	-0.025
550856	3/18/2003 0:00	-0.006	-0.025
550857	3/19/2003 0:00	-0.025	-0.025
550858	3/20/2003 0:00	-0.045	-0.025
550859	3/21/2003 0:00	-0.013	-0.026
550860	3/22/2003 0:00	-0.051	-0.026
550861	3/23/2003 0:00	-0.033	-0.026
550862	3/24/2003 0:00	-0.014	-0.026
550863	3/25/2003 0:00	-0.036	-0.025
550864	3/26/2003 0:00	-0.035	-0.025
550865	3/27/2003 0:00	-0.047	-0.025
550866	3/28/2003 0:00	-0.019	-0.025
550867	3/29/2003 0:00	-0.052	-0.025
550868	3/30/2003 0:00	-0.045	-0.026
550869	3/31/2003 0:00	-0.011	-0.026

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550870	4/1/2003 0:00	-0.01	-0.027
550871	4/2/2003 0:00	-0.025	-0.027
550872	4/3/2003 0:00	-0.016	-0.027
550873	4/4/2003 0:00	-0.029	-0.027
550874	4/5/2003 0:00	-0.028	-0.026
550875	4/6/2003 0:00	-0.023	-0.026
550876	4/7/2003 0:00	-0.03	-0.025
550877	4/8/2003 0:00	-0.041	-0.025
550878	4/9/2003 0:00	-0.023	-0.025
550879	4/10/2003 0:00	-0.02	-0.024
550880	4/11/2003 0:00	-0.03	-0.024
550881	4/12/2003 0:00	-0.013	-0.023
550882	4/13/2003 0:00	-0.012	-0.023
550883	4/14/2003 0:00	-0.039	-0.022
550884	4/15/2003 0:00	-0.011	-0.021
550885	4/16/2003 0:00	-0.021	-0.022
550886	4/17/2003 0:00	-0.028	-0.022
550887	4/18/2003 0:00	-0.001	-0.021
550888	4/19/2003 0:00	-0.028	-0.022
550889	4/20/2003 0:00	-0.029	-0.021
550890	4/21/2003 0:00	-0.014	-0.02
550891	4/22/2003 0:00	-0.025	-0.02
550892	4/23/2003 0:00	-0.015	-0.019
550893	4/24/2003 0:00	-0.02	-0.018
550894	4/25/2003 0:00	-0.016	-0.018
550895	4/26/2003 0:00	-0.017	-0.018
550896	4/27/2003 0:00	-0.03	-0.017
550897	4/28/2003 0:00	-0.025	-0.017
550898	4/29/2003 0:00	-0.007	-0.017
550899	4/30/2003 0:00	-0.023	-0.017
550900	5/1/2003 0:00	-0.036	-0.016
550901	5/2/2003 0:00	-0.022	-0.017
550902	5/3/2003 0:00	0.011	-0.017
550903	5/4/2003 0:00	-0.032	-0.017
550904	5/5/2003 0:00	-0.003	-0.018
550905	5/6/2003 0:00	-0.007	-0.017
550906	5/7/2003 0:00	-0.013	-0.018
550907	5/8/2003 0:00	0.002	-0.017
550908	5/9/2003 0:00	-0.018	-0.018
550909	5/10/2003 0:00	-0.019	-0.018
550910	5/11/2003 0:00	-0.006	-0.018
550911	5/12/2003 0:00	-0.013	-0.019
550912	5/13/2003 0:00	-0.015	-0.019
550913	5/14/2003 0:00	-0.024	-0.018
550914	5/15/2003 0:00	-0.02	-0.018
550915	5/16/2003 0:00	0.004	-0.019

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550916	5/17/2003 0:00	-0.028	-0.018
550917	5/18/2003 0:00	-0.026	-0.019
550918	5/19/2003 0:00	-0.016	-0.02
550919	5/20/2003 0:00	-0.042	-0.019
550920	5/21/2003 0:00	-0.016	-0.019
550921	5/22/2003 0:00	-0.027	-0.019
550922	5/23/2003 0:00	-0.024	-0.02
550923	5/24/2003 0:00	-0.027	-0.021
550924	5/25/2003 0:00	-0.019	-0.021
550925	5/26/2003 0:00	-0.022	-0.02
550926	5/27/2003 0:00	-0.035	-0.02
550927	5/28/2003 0:00	-0.04	-0.02
550928	5/29/2003 0:00	0.01	-0.02
550929	5/30/2003 0:00	-0.021	-0.02
550930	5/31/2003 0:00	-0.034	-0.021
550931	6/1/2003 0:00	-0.03	-0.021
550932	6/2/2003 0:00	-0.039	-0.022
550933	6/3/2003 0:00	-0.012	-0.021
550934	6/4/2003 0:00	-0.01	-0.022
550935	6/5/2003 0:00	-0.001	-0.021
550936	6/6/2003 0:00	-0.015	-0.021
550937	6/7/2003 0:00	-0.026	-0.02
550938	6/8/2003 0:00	-0.029	-0.019
550939	6/9/2003 0:00	-0.015	-0.019
550940	6/10/2003 0:00	0.004	-0.018
550941	6/11/2003 0:00	-0.006	-0.018
550942	6/12/2003 0:00	-0.028	-0.018
550943	6/13/2003 0:00	-0.015	-0.017
550944	6/14/2003 0:00	-0.02	-0.018
550945	6/15/2003 0:00	-0.037	-0.018
550946	6/16/2003 0:00	-0.021	-0.018
550947	6/17/2003 0:00	-0.028	-0.018
550948	6/18/2003 0:00	-0.021	-0.018
550949	6/19/2003 0:00	-0.026	-0.02
550950	6/20/2003 0:00	-0.006	-0.02
550951	6/21/2003 0:00	-0.025	-0.021
550952	6/22/2003 0:00	-0.01	-0.022
550953	6/23/2003 0:00	0.008	-0.023
550954	6/24/2003 0:00	-0.016	-0.023
550955	6/25/2003 0:00	-0.008	-0.023
550956	6/26/2003 0:00	-0.015	-0.024
550957	6/27/2003 0:00	-0.019	-0.025
550958	6/28/2003 0:00	-0.021	-0.025
550959	6/29/2003 0:00	-0.023	-0.026
550960	6/30/2003 0:00	-0.021	-0.026
550961	7/1/2003 0:00	-0.036	-0.026

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
550962	7/2/2003 0:00	-0.032	-0.026
550963	7/3/2003 0:00	-0.031	-0.027
550964	7/4/2003 0:00	-0.061	-0.028
550965	7/5/2003 0:00	-0.035	-0.03
550966	7/6/2003 0:00	-0.021	-0.031
550967	7/7/2003 0:00	-0.03	-0.032
550968	7/8/2003 0:00	-0.055	-0.032
550969	7/9/2003 0:00	-0.034	-0.034
550970	7/10/2003 0:00	-0.025	-0.034
550971	7/11/2003 0:00	-0.029	-0.035
550972	7/12/2003 0:00	-0.021	-0.036
550973	7/13/2003 0:00	-0.037	-0.037
550974	7/14/2003 0:00	-0.036	-0.037
550975	7/15/2003 0:00	-0.042	-0.037
550976	7/16/2003 0:00	-0.027	-0.038
550977	7/17/2003 0:00	-0.023	-0.037
550978	7/18/2003 0:00	-0.062	-0.037
550979	7/19/2003 0:00	-0.059	-0.037
550980	7/20/2003 0:00	-0.067	-0.037
550981	7/21/2003 0:00	-0.044	-0.037
550982	7/22/2003 0:00	-0.063	-0.037
550983	7/23/2003 0:00	-0.016	-0.038
550984	7/24/2003 0:00	-0.041	-0.038
550985	7/25/2003 0:00	-0.031	-0.039
550986	7/26/2003 0:00	-0.042	-0.04
550987	7/27/2003 0:00	-0.029	-0.04
550988	7/28/2003 0:00	-0.061	-0.04
550989	7/29/2003 0:00	-0.02	-0.04
550990	7/30/2003 0:00	-0.031	-0.041
550991	7/31/2003 0:00	-0.047	-0.041
550992	8/1/2003 0:00	-0.006	-0.042
550993	8/2/2003 0:00	-0.026	-0.043
550994	8/3/2003 0:00	-0.038	-0.042
550995	8/4/2003 0:00	-0.039	-0.042
550996	8/5/2003 0:00	-0.044	-0.041
550997	8/6/2003 0:00	-0.036	-0.042
550998	8/7/2003 0:00	-0.054	-0.041
550999	8/8/2003 0:00	-0.059	-0.042
551000	8/9/2003 0:00	-0.068	-0.043
551001	8/10/2003 0:00	-0.032	-0.043
551002	8/11/2003 0:00	-0.035	-0.043
551003	8/12/2003 0:00	-0.035	-0.043
551004	8/13/2003 0:00	-0.039	-0.043
551005	8/14/2003 0:00	-0.053	-0.045
551006	8/15/2003 0:00	-0.049	-0.045
551007	8/16/2003 0:00	-0.051	-0.045

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551008	8/17/2003 0:00	-0.042	-0.046
551009	8/18/2003 0:00	-0.05	-0.048
551010	8/19/2003 0:00	-0.042	-0.048
551011	8/20/2003 0:00	-0.06	-0.048
551012	8/21/2003 0:00	-0.054	-0.048
551013	8/22/2003 0:00	-0.032	-0.049
551014	8/23/2003 0:00	-0.062	-0.049
551015	8/24/2003 0:00	-0.059	-0.049
551016	8/25/2003 0:00	-0.033	-0.048
551017	8/26/2003 0:00	-0.048	-0.048
551018	8/27/2003 0:00	-0.044	-0.048
551019	8/28/2003 0:00	-0.056	-0.048
551020	8/29/2003 0:00	-0.064	-0.048
551021	8/30/2003 0:00	-0.042	-0.048
551022	8/31/2003 0:00	-0.041	-0.048
551023	9/1/2003 0:00	-0.051	-0.048
551024	9/2/2003 0:00	-0.065	-0.048
551025	9/3/2003 0:00	-0.058	-0.048
551026	9/4/2003 0:00	-0.041	-0.048
551027	9/5/2003 0:00	-0.046	-0.047
551028	9/6/2003 0:00	-0.055	-0.046
551029	9/7/2003 0:00	-0.066	-0.047
551030	9/8/2003 0:00	-0.047	-0.047
551031	9/9/2003 0:00	-0.039	-0.046
551032	9/10/2003 0:00	-0.031	-0.047
551033	9/11/2003 0:00	-0.032	-0.047
551034	9/12/2003 0:00	-0.029	-0.046
551035	9/13/2003 0:00	-0.053	-0.045
551036	9/14/2003 0:00	-0.055	-0.044
551037	9/15/2003 0:00	-0.057	-0.045
551038	9/16/2003 0:00	-0.04	-0.045
551039	9/17/2003 0:00	-0.042	-0.045
551040	9/18/2003 0:00	-0.033	-0.044
551041	9/19/2003 0:00	-0.043	-0.043
551042	9/20/2003 0:00	-0.041	-0.042
551043	9/21/2003 0:00	-0.038	-0.042
551044	9/22/2003 0:00	-0.047	-0.041
551045	9/23/2003 0:00	-0.06	-0.04
551046	9/24/2003 0:00	-0.044	-0.039
551047	9/25/2003 0:00	-0.06	-0.039
551048	9/26/2003 0:00	-0.028	-0.039
551049	9/27/2003 0:00	-0.032	-0.039
551050	9/28/2003 0:00	-0.028	-0.039
551051	9/29/2003 0:00	-0.032	-0.038
551052	9/30/2003 0:00	-0.053	-0.038
551053	10/1/2003 0:00	-0.06	-0.037

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551054	10/2/2003 0:00	-0.034	-0.037
551055	10/3/2003 0:00	-0.029	-0.037
551056	10/4/2003 0:00	-0.024	-0.038
551057	10/5/2003 0:00	-0.02	-0.038
551058	10/6/2003 0:00	-0.057	-0.039
551059	10/7/2003 0:00	-0.034	-0.039
551060	10/8/2003 0:00	-0.021	-0.039
551061	10/9/2003 0:00	-0.026	-0.039
551062	10/10/2003 0:00	-0.037	-0.039
551063	10/11/2003 0:00	-0.014	-0.04
551064	10/12/2003 0:00	-0.048	-0.041
551065	10/13/2003 0:00	-0.017	-0.041
551066	10/14/2003 0:00	-0.027	-0.041
551067	10/15/2003 0:00	-0.038	-0.042
551068	10/16/2003 0:00	-0.026	-0.042
551069	10/17/2003 0:00	-0.053	-0.042
551070	10/18/2003 0:00	-0.044	-0.042
551071	10/19/2003 0:00	-0.052	-0.043
551072	10/20/2003 0:00	-0.055	-0.044
551073	10/21/2003 0:00	-0.067	-0.045
551074	10/22/2003 0:00	-0.044	-0.045
551075	10/23/2003 0:00	-0.048	-0.045
551076	10/24/2003 0:00	-0.041	-0.047
551077	10/25/2003 0:00	-0.061	-0.048
551078	10/26/2003 0:00	-0.085	-0.049
551079	10/27/2003 0:00	-0.049	-0.05
551080	10/28/2003 0:00	-0.047	-0.05
551081	10/29/2003 0:00	-0.037	-0.051
551082	10/30/2003 0:00	-0.054	-0.052
551083	10/31/2003 0:00	-0.067	-0.052
551084	11/1/2003 0:00	-0.047	-0.053
551085	11/2/2003 0:00	-0.039	-0.053
551086	11/3/2003 0:00	-0.039	-0.054
551087	11/4/2003 0:00	-0.059	-0.053
551088	11/5/2003 0:00	-0.058	-0.053
551089	11/6/2003 0:00	-0.066	-0.052
551090	11/7/2003 0:00	-0.042	-0.052
551091	11/8/2003 0:00	-0.066	-0.053
551092	11/9/2003 0:00	-0.062	-0.053
551093	11/10/2003 0:00	-0.056	-0.052
551094	11/11/2003 0:00	-0.049	-0.05
551095	11/12/2003 0:00	-0.052	-0.051
551096	11/13/2003 0:00	-0.06	-0.051
551097	11/14/2003 0:00	-0.051	-0.051
551098	11/15/2003 0:00	-0.036	-0.051
551099	11/16/2003 0:00	-0.054	-0.049

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551100	11/17/2003 0:00	-0.06	-0.049
551101	11/18/2003 0:00	-0.066	-0.049
551102	11/19/2003 0:00	-0.042	-0.05
551103	11/20/2003 0:00	-0.037	-0.049
551104	11/21/2003 0:00	-0.033	-0.048
551105	11/22/2003 0:00	-0.061	-0.046
551106	11/23/2003 0:00	-0.062	-0.046
551107	11/24/2003 0:00	-0.041	-0.046
551108	11/25/2003 0:00	-0.026	-0.045
551109	11/26/2003 0:00	-0.041	-0.044
551110	11/27/2003 0:00	-0.057	-0.044
551111	11/28/2003 0:00	-0.059	-0.043
551112	11/29/2003 0:00	-0.025	-0.043
551113	11/30/2003 0:00	-0.058	-0.044
551114	12/1/2003 0:00	-0.02	-0.045
551115	12/2/2003 0:00	-0.053	-0.044
551116	12/3/2003 0:00	-0.041	-0.043
551117	12/4/2003 0:00	-0.053	-0.043
551118	12/5/2003 0:00	-0.035	-0.043
551119	12/6/2003 0:00	-0.018	-0.043
551120	12/7/2003 0:00	-0.025	-0.044
551121	12/8/2003 0:00	-0.04	-0.044
551122	12/9/2003 0:00	-0.045	-0.043
551123	12/10/2003 0:00	-0.03	-0.043
551124	12/11/2003 0:00	-0.037	-0.043
551125	12/12/2003 0:00	-0.048	-0.044
551126	12/13/2003 0:00	-0.034	-0.044
551127	12/14/2003 0:00	-0.054	-0.044
551128	12/15/2003 0:00	-0.071	-0.044
551129	12/16/2003 0:00	-0.055	-0.043
551130	12/17/2003 0:00	-0.04	-0.044
551131	12/18/2003 0:00	-0.041	-0.044
551132	12/19/2003 0:00	-0.052	-0.044
551133	12/20/2003 0:00	-0.035	-0.044
551134	12/21/2003 0:00	-0.045	-0.045
551135	12/22/2003 0:00	-0.055	-0.046
551136	12/23/2003 0:00	-0.057	-0.047
551137	12/24/2003 0:00	-0.055	-0.048
551138	12/25/2003 0:00	-0.038	-0.049
551139	12/26/2003 0:00	-0.028	-0.051
551140	12/27/2003 0:00	-0.068	-0.051
551141	12/28/2003 0:00	-0.043	-0.053
551142	12/29/2003 0:00	-0.051	-0.054
551143	12/30/2003 0:00	-0.037	-0.055
551144	12/31/2003 0:00	-0.043	-0.055
551145	1/1/2004 0:00	-0.024	-0.056

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551146	1/2/2004 0:00	-0.064	-0.056
551147	1/3/2004 0:00	-0.031	-0.057
551148	1/4/2004 0:00	-0.057	-0.056
551149	1/5/2004 0:00	-0.072	-0.058
551150	1/6/2004 0:00	-0.063	-0.059
551151	1/7/2004 0:00	-0.054	-0.06
551152	1/8/2004 0:00	-0.068	-0.061
551153	1/9/2004 0:00	-0.074	-0.061
551154	1/10/2004 0:00	-0.075	-0.061
551155	1/11/2004 0:00	-0.05	-0.061
551156	1/12/2004 0:00	-0.097	-0.062
551157	1/13/2004 0:00	-0.08	-0.063
551158	1/14/2004 0:00	-0.085	-0.061
551159	1/15/2004 0:00	-0.076	-0.061
551160	1/16/2004 0:00	-0.063	-0.061
551161	1/17/2004 0:00	-0.046	-0.062
551162	1/18/2004 0:00	-0.066	-0.062
551163	1/19/2004 0:00	-0.048	-0.062
551164	1/20/2004 0:00	-0.093	-0.061
551165	1/21/2004 0:00	-0.081	-0.06
551166	1/22/2004 0:00	-0.086	-0.059
551167	1/23/2004 0:00	-0.073	-0.059
551168	1/24/2004 0:00	-0.057	-0.059
551169	1/25/2004 0:00	-0.052	-0.058
551170	1/26/2004 0:00	-0.015	-0.057
551171	1/27/2004 0:00	-0.095	-0.057
551172	1/28/2004 0:00	-0.062	-0.056
551173	1/29/2004 0:00	-0.018	-0.055
551174	1/30/2004 0:00	-0.022	-0.054
551175	1/31/2004 0:00	-0.033	-0.053
551176	2/1/2004 0:00	-0.063	-0.053
551177	2/2/2004 0:00	-0.06	-0.054
551178	2/3/2004 0:00	-0.032	-0.056
551179	2/4/2004 0:00	-0.037	-0.056
551180	2/5/2004 0:00	-0.027	-0.054
551181	2/6/2004 0:00	-0.03	-0.053
551182	2/7/2004 0:00	-0.056	-0.051
551183	2/8/2004 0:00	-0.074	-0.05
551184	2/9/2004 0:00	-0.049	-0.05
551185	2/10/2004 0:00	-0.033	-0.049
551186	2/11/2004 0:00	-0.048	-0.051
551187	2/12/2004 0:00	-0.069	-0.049
551188	2/13/2004 0:00	-0.041	-0.048
551189	2/14/2004 0:00	-0.061	-0.05
551190	2/15/2004 0:00	-0.056	-0.052
551191	2/16/2004 0:00	-0.049	-0.052

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551192	2/17/2004 0:00	-0.09	-0.053
551193	2/18/2004 0:00	-0.117	-0.053
551194	2/19/2004 0:00	-0.052	-0.054
551195	2/20/2004 0:00	-0.031	-0.055
551196	2/21/2004 0:00	-0.056	-0.057
551197	2/22/2004 0:00	-0.009	-0.058
551198	2/23/2004 0:00	-0.058	-0.058
551199	2/24/2004 0:00	-0.048	-0.058
551200	2/25/2004 0:00	-0.03	-0.059
551201	2/26/2004 0:00	-0.067	-0.06
551202	2/27/2004 0:00	-0.031	-0.06
551203	2/28/2004 0:00	-0.059	-0.061
551204	2/29/2004 0:00	-0.066	-0.062
551205	3/1/2004 0:00	-0.084	-0.062
551206	3/2/2004 0:00	-0.041	-0.063
551207	3/3/2004 0:00	-0.083	-0.062
551208	3/4/2004 0:00	-0.071	-0.06
551209	3/5/2004 0:00	-0.043	-0.059
551210	3/6/2004 0:00	-0.077	-0.06
551211	3/7/2004 0:00	-0.077	-0.061
551212	3/8/2004 0:00	-0.065	-0.06
551213	3/9/2004 0:00	-0.073	-0.061
551214	3/10/2004 0:00	-0.074	-0.061
551215	3/11/2004 0:00	-0.073	-0.061
551216	3/12/2004 0:00	-0.076	-0.061
551217	3/13/2004 0:00	-0.043	-0.061
551218	3/14/2004 0:00	-0.081	-0.062
551219	3/15/2004 0:00	-0.07	-0.062
551220	3/16/2004 0:00	-0.071	-0.061
551221	3/17/2004 0:00	-0.075	-0.061
551222	3/18/2004 0:00	-0.042	-0.061
551223	3/19/2004 0:00	-0.023	-0.06
551224	3/20/2004 0:00	-0.071	-0.06
551225	3/21/2004 0:00	-0.082	-0.06
551226	3/22/2004 0:00	-0.073	-0.059
551227	3/23/2004 0:00	-0.033	-0.059
551228	3/24/2004 0:00	-0.041	-0.059
551229	3/25/2004 0:00	-0.036	-0.058
551230	3/26/2004 0:00	-0.053	-0.058
551231	3/27/2004 0:00	-0.048	-0.057
551232	3/28/2004 0:00	-0.058	-0.057
551233	3/29/2004 0:00	-0.067	-0.058
551234	3/30/2004 0:00	-0.036	-0.057
551235	3/31/2004 0:00	-0.056	-0.057
551236	4/1/2004 0:00	-0.072	-0.056
551237	4/2/2004 0:00	-0.034	-0.056

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551238	4/3/2004 0:00	-0.064	-0.055
551239	4/4/2004 0:00	-0.057	-0.057
551240	4/5/2004 0:00	-0.05	-0.056
551241	4/6/2004 0:00	-0.065	-0.055
551242	4/7/2004 0:00	-0.074	-0.054
551243	4/8/2004 0:00	-0.05	-0.054
551244	4/9/2004 0:00	-0.062	-0.055
551245	4/10/2004 0:00	-0.052	-0.055
551246	4/11/2004 0:00	-0.055	-0.056
551247	4/12/2004 0:00	-0.069	-0.055
551248	4/13/2004 0:00	-0.064	-0.054
551249	4/14/2004 0:00	-0.066	-0.054
551250	4/15/2004 0:00	-0.056	-0.055
551251	4/16/2004 0:00	-0.059	-0.055
551252	4/17/2004 0:00	-0.066	-0.054
551253	4/18/2004 0:00	-0.025	-0.054
551254	4/19/2004 0:00	-0.062	-0.054
551255	4/20/2004 0:00	-0.05	-0.053
551256	4/21/2004 0:00	-0.043	-0.053
551257	4/22/2004 0:00	-0.052	-0.052
551258	4/23/2004 0:00	-0.039	-0.051
551259	4/24/2004 0:00	-0.069	-0.051
551260	4/25/2004 0:00	-0.042	-0.049
551261	4/26/2004 0:00	-0.071	-0.048
551262	4/27/2004 0:00	-0.029	-0.047
551263	4/28/2004 0:00	-0.024	-0.046
551264	4/29/2004 0:00	-0.05	-0.045
551265	4/30/2004 0:00	-0.066	-0.045
551266	5/1/2004 0:00	-0.057	-0.044
551267	5/2/2004 0:00	-0.042	-0.044
551268	5/3/2004 0:00	-0.06	-0.044
551269	5/4/2004 0:00	-0.043	-0.045
551270	5/5/2004 0:00	-0.024	-0.045
551271	5/6/2004 0:00	-0.054	-0.045
551272	5/7/2004 0:00	-0.044	-0.045
551273	5/8/2004 0:00	-0.031	-0.045
551274	5/9/2004 0:00	-0.048	-0.045
551275	5/10/2004 0:00	-0.022	-0.045
551276	5/11/2004 0:00	-0.013	-0.045
551277	5/12/2004 0:00	-0.018	-0.044
551278	5/13/2004 0:00	-0.043	-0.045
551279	5/14/2004 0:00	-0.04	-0.046
551280	5/15/2004 0:00	-0.056	-0.046
551281	5/16/2004 0:00	-0.034	-0.045
551282	5/17/2004 0:00	-0.057	-0.045
551283	5/18/2004 0:00	-0.071	-0.045

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551284	5/19/2004 0:00	-0.051	-0.046
551285	5/20/2004 0:00	-0.049	-0.046
551286	5/21/2004 0:00	-0.052	-0.047
551287	5/22/2004 0:00	-0.055	-0.047
551288	5/23/2004 0:00	-0.058	-0.047
551289	5/24/2004 0:00	-0.037	-0.048
551290	5/25/2004 0:00	-0.046	-0.047
551291	5/26/2004 0:00	-0.055	-0.048
551292	5/27/2004 0:00	-0.035	-0.049
551293	5/28/2004 0:00	-0.073	-0.05
551294	5/29/2004 0:00	-0.044	-0.05
551295	5/30/2004 0:00	-0.046	-0.051
551296	5/31/2004 0:00	-0.041	-0.051
551297	6/1/2004 0:00	-0.044	-0.053
551298	6/2/2004 0:00	-0.062	-0.052
551299	6/3/2004 0:00	-0.07	-0.052
551300	6/4/2004 0:00	-0.059	-0.053
551301	6/5/2004 0:00	-0.065	-0.054
551302	6/6/2004 0:00	-0.04	-0.054
551303	6/7/2004 0:00	-0.041	-0.053
551304	6/8/2004 0:00	-0.054	-0.053
551305	6/9/2004 0:00	-0.022	-0.054
551306	6/10/2004 0:00	-0.055	-0.055
551307	6/11/2004 0:00	-0.047	-0.055
551308	6/12/2004 0:00	-0.042	-0.056
551309	6/13/2004 0:00	-0.048	-0.055
551310	6/14/2004 0:00	-0.068	-0.056
551311	6/15/2004 0:00	-0.071	-0.057
551312	6/16/2004 0:00	-0.069	-0.058
551313	6/17/2004 0:00	-0.051	-0.059
551314	6/18/2004 0:00	-0.074	-0.059
551315	6/19/2004 0:00	-0.067	-0.059
551316	6/20/2004 0:00	-0.067	-0.059
551317	6/21/2004 0:00	-0.065	-0.059
551318	6/22/2004 0:00	-0.029	-0.059
551319	6/23/2004 0:00	-0.066	-0.06
551320	6/24/2004 0:00	-0.061	-0.06
551321	6/25/2004 0:00	-0.067	-0.062
551322	6/26/2004 0:00	-0.06	-0.062
551323	6/27/2004 0:00	-0.053	-0.063
551324	6/28/2004 0:00	-0.047	-0.063
551325	6/29/2004 0:00	-0.081	-0.064
551326	6/30/2004 0:00	-0.088	-0.064
551327	7/1/2004 0:00	-0.052	-0.063
551328	7/2/2004 0:00	-0.072	-0.063
551329	7/3/2004 0:00	-0.067	-0.064

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551330	7/4/2004 0:00	-0.075	-0.063
551331	7/5/2004 0:00	-0.063	-0.063
551332	7/6/2004 0:00	-0.059	-0.063
551333	7/7/2004 0:00	-0.05	-0.064
551334	7/8/2004 0:00	-0.063	-0.065
551335	7/9/2004 0:00	-0.061	-0.065
551336	7/10/2004 0:00	-0.07	-0.065
551337	7/11/2004 0:00	-0.069	-0.065
551338	7/12/2004 0:00	-0.058	-0.066
551339	7/13/2004 0:00	-0.065	-0.066
551340	7/14/2004 0:00	-0.068	-0.067
551341	7/15/2004 0:00	-0.062	-0.067
551342	7/16/2004 0:00	-0.048	-0.066
551343	7/17/2004 0:00	-0.067	-0.067
551344	7/18/2004 0:00	-0.079	-0.067
551345	7/19/2004 0:00	-0.057	-0.067
551346	7/20/2004 0:00	-0.066	-0.067
551347	7/21/2004 0:00	-0.074	-0.067
551348	7/22/2004 0:00	-0.069	-0.067
551349	7/23/2004 0:00	-0.065	-0.068
551350	7/24/2004 0:00	-0.065	-0.068
551351	7/25/2004 0:00	-0.074	-0.069
551352	7/26/2004 0:00	-0.072	-0.069
551353	7/27/2004 0:00	-0.08	-0.069
551354	7/28/2004 0:00	-0.054	-0.07
551355	7/29/2004 0:00	-0.074	-0.071
551356	7/30/2004 0:00	-0.073	-0.071
551357	7/31/2004 0:00	-0.071	-0.071
551358	8/1/2004 0:00	-0.08	-0.072
551359	8/2/2004 0:00	-0.083	-0.073
551360	8/3/2004 0:00	-0.069	-0.073
551361	8/4/2004 0:00	-0.052	-0.073
551362	8/5/2004 0:00	-0.068	-0.075
551363	8/6/2004 0:00	-0.079	-0.075
551364	8/7/2004 0:00	-0.077	-0.074
551365	8/8/2004 0:00	-0.058	-0.075
551366	8/9/2004 0:00	-0.081	-0.076
551367	8/10/2004 0:00	-0.078	-0.076
551368	8/11/2004 0:00	-0.076	-0.076
551369	8/12/2004 0:00	-0.07	-0.077
551370	8/13/2004 0:00	-0.097	-0.078
551371	8/14/2004 0:00	-0.07	-0.078
551372	8/15/2004 0:00	-0.072	-0.078
551373	8/16/2004 0:00	-0.082	-0.079
551374	8/17/2004 0:00	-0.091	-0.079
551375	8/18/2004 0:00	-0.071	-0.08

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551376	8/19/2004 0:00	-0.084	-0.08
551377	8/20/2004 0:00	-0.098	-0.081
551378	8/21/2004 0:00	-0.078	-0.081
551379	8/22/2004 0:00	-0.065	-0.081
551380	8/23/2004 0:00	-0.095	-0.081
551381	8/24/2004 0:00	-0.086	-0.082
551382	8/25/2004 0:00	-0.069	-0.082
551383	8/26/2004 0:00	-0.08	-0.082
551384	8/27/2004 0:00	-0.094	-0.083
551385	8/28/2004 0:00	-0.081	-0.082
551386	8/29/2004 0:00	-0.093	-0.082
551387	8/30/2004 0:00	-0.072	-0.082
551388	8/31/2004 0:00	-0.099	-0.082
551389	9/1/2004 0:00	-0.086	-0.082
551390	9/2/2004 0:00	-0.104	-0.082
551391	9/3/2004 0:00	-0.079	-0.082
551392	9/4/2004 0:00	-0.086	-0.081
551393	9/5/2004 0:00	-0.063	-0.08
551394	9/6/2004 0:00	-0.074	-0.081
551395	9/7/2004 0:00	-0.076	-0.081
551396	9/8/2004 0:00	-0.09	-0.081
551397	9/9/2004 0:00	-0.078	-0.081
551398	9/10/2004 0:00	-0.092	-0.082
551399	9/11/2004 0:00	-0.086	-0.082
551400	9/12/2004 0:00	-0.065	-0.081
551401	9/13/2004 0:00	-0.081	-0.082
551402	9/14/2004 0:00	-0.075	-0.082
551403	9/15/2004 0:00	-0.062	-0.083
551404	9/16/2004 0:00	-0.078	-0.083
551405	9/17/2004 0:00	-0.089	-0.083
551406	9/18/2004 0:00	-0.078	-0.082
551407	9/19/2004 0:00	-0.067	-0.083
551408	9/20/2004 0:00	-0.07	-0.084
551409	9/21/2004 0:00	-0.084	-0.084
551410	9/22/2004 0:00	-0.092	-0.085
551411	9/23/2004 0:00	-0.082	-0.085
551412	9/24/2004 0:00	-0.091	-0.085
551413	9/25/2004 0:00	-0.084	-0.085
551414	9/26/2004 0:00	-0.091	-0.084
551415	9/27/2004 0:00	-0.073	-0.083
551416	9/28/2004 0:00	-0.096	-0.083
551417	9/29/2004 0:00	-0.101	-0.084
551418	9/30/2004 0:00	-0.099	-0.085
551419	10/1/2004 0:00	-0.092	-0.086
551420	10/2/2004 0:00	-0.089	-0.086
551421	10/3/2004 0:00	-0.081	-0.086

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551422	10/4/2004 0:00	-0.1	-0.086
551423	10/5/2004 0:00	-0.109	-0.087
551424	10/6/2004 0:00	-0.082	-0.087
551425	10/7/2004 0:00	-0.095	-0.087
551426	10/8/2004 0:00	-0.084	-0.087
551427	10/9/2004 0:00	-0.079	-0.087
551428	10/10/2004 0:00	-0.075	-0.086
551429	10/11/2004 0:00	-0.067	-0.087
551430	10/12/2004 0:00	-0.065	-0.087
551431	10/13/2004 0:00	-0.064	-0.087
551432	10/14/2004 0:00	-0.101	-0.088
551433	10/15/2004 0:00	-0.097	-0.088
551434	10/16/2004 0:00	-0.103	-0.087
551435	10/17/2004 0:00	-0.068	-0.087
551436	10/18/2004 0:00	-0.104	-0.088
551437	10/19/2004 0:00	-0.07	-0.088
551438	10/20/2004 0:00	-0.095	-0.087
551439	10/21/2004 0:00	-0.078	-0.087
551440	10/22/2004 0:00	-0.085	-0.087
551441	10/23/2004 0:00	-0.092	-0.088
551442	10/24/2004 0:00	-0.079	-0.087
551443	10/25/2004 0:00	-0.069	-0.087
551444	10/26/2004 0:00	-0.116	-0.087
551445	10/27/2004 0:00	-0.079	-0.088
551446	10/28/2004 0:00	-0.076	-0.089
551447	10/29/2004 0:00	-0.117	-0.089
551448	10/30/2004 0:00	-0.101	-0.09
551449	10/31/2004 0:00	-0.084	-0.09
551450	11/1/2004 0:00	-0.103	-0.091
551451	11/2/2004 0:00	-0.104	-0.092
551452	11/3/2004 0:00	-0.089	-0.092
551453	11/4/2004 0:00	-0.07	-0.093
551454	11/5/2004 0:00	-0.098	-0.093
551455	11/6/2004 0:00	-0.098	-0.092
551456	11/7/2004 0:00	-0.11	-0.093
551457	11/8/2004 0:00	-0.065	-0.092
551458	11/9/2004 0:00	-0.07	-0.092
551459	11/10/2004 0:00	-0.08	-0.092
551460	11/11/2004 0:00	-0.106	-0.091
551461	11/12/2004 0:00	-0.076	-0.09
551462	11/13/2004 0:00	-0.082	-0.09
551463	11/14/2004 0:00	-0.122	-0.09
551464	11/15/2004 0:00	-0.109	-0.09
551465	11/16/2004 0:00	-0.116	-0.09
551466	11/17/2004 0:00	-0.107	-0.089
551467	11/18/2004 0:00	-0.112	-0.089

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551468	11/19/2004 0:00	-0.095	-0.09
551469	11/20/2004 0:00	-0.086	-0.091
551470	11/21/2004 0:00	-0.071	-0.091
551471	11/22/2004 0:00	-0.104	-0.089
551472	11/23/2004 0:00	-0.073	-0.089
551473	11/24/2004 0:00	-0.073	-0.09
551474	11/25/2004 0:00	-0.064	-0.092
551475	11/26/2004 0:00	-0.067	-0.092
551476	11/27/2004 0:00	-0.063	-0.092
551477	11/28/2004 0:00	-0.081	-0.092
551478	11/29/2004 0:00	-0.102	-0.093
551479	11/30/2004 0:00	-0.106	-0.093
551480	12/1/2004 0:00	-0.088	-0.093
551481	12/2/2004 0:00	-0.073	-0.093
551482	12/3/2004 0:00	-0.116	-0.093
551483	12/4/2004 0:00	-0.093	-0.092
551484	12/5/2004 0:00	-0.106	-0.092
551485	12/6/2004 0:00	-0.092	-0.092
551486	12/7/2004 0:00	-0.064	-0.094
551487	12/8/2004 0:00	-0.086	-0.094
551488	12/9/2004 0:00	-0.118	-0.095
551489	12/10/2004 0:00	-0.107	-0.094
551490	12/11/2004 0:00	-0.105	-0.095
551491	12/12/2004 0:00	-0.091	-0.095
551492	12/13/2004 0:00	-0.08	-0.097
551493	12/14/2004 0:00	-0.114	-0.096
551494	12/15/2004 0:00	-0.111	-0.096
551495	12/16/2004 0:00	-0.116	-0.096
551496	12/17/2004 0:00	-0.117	-0.096
551497	12/18/2004 0:00	-0.094	-0.096
551498	12/19/2004 0:00	-0.086	-0.097
551499	12/20/2004 0:00	-0.097	-0.098
551500	12/21/2004 0:00	-0.088	-0.098
551501	12/22/2004 0:00	-0.122	-0.098
551502	12/23/2004 0:00	-0.106	-0.099
551503	12/24/2004 0:00	-0.104	-0.101
551504	12/25/2004 0:00	-0.062	-0.101
551505	12/26/2004 0:00	-0.099	-0.102
551506	12/27/2004 0:00	-0.072	-0.102
551507	12/28/2004 0:00	-0.102	-0.102
551508	12/29/2004 0:00	-0.059	-0.103
551509	12/30/2004 0:00	-0.102	-0.103
551510	12/31/2004 0:00	-0.095	-0.103
551511	1/1/2005 0:00	-0.109	-0.103
551512	1/2/2005 0:00	-0.069	-0.104
551513	1/3/2005 0:00	-0.137	-0.104

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551514	1/4/2005 0:00	-0.121	-0.105
551515	1/5/2005 0:00	-0.119	-0.105
551516	1/6/2005 0:00	-0.096	-0.105
551517	1/7/2005 0:00	-0.096	-0.105
551518	1/8/2005 0:00	-0.126	-0.105
551519	1/9/2005 0:00	-0.139	-0.105
551520	1/10/2005 0:00	-0.127	-0.106
551521	1/11/2005 0:00	-0.097	-0.106
551522	1/12/2005 0:00	-0.093	-0.106
551523	1/13/2005 0:00	-0.105	-0.106
551524	1/14/2005 0:00	-0.126	-0.108
551525	1/15/2005 0:00	-0.117	-0.108
551526	1/16/2005 0:00	-0.114	-0.109
551527	1/17/2005 0:00	-0.131	-0.109
551528	1/18/2005 0:00	-0.101	-0.11
551529	1/19/2005 0:00	-0.113	-0.109
551530	1/20/2005 0:00	-0.115	-0.108
551531	1/21/2005 0:00	-0.092	-0.108
551532	1/22/2005 0:00	-0.103	-0.107
551533	1/23/2005 0:00	-0.113	-0.107
551534	1/24/2005 0:00	-0.119	-0.107
551535	1/25/2005 0:00	-0.092	-0.105
551536	1/26/2005 0:00	-0.084	-0.104
551537	1/27/2005 0:00	-0.083	-0.103
551538	1/28/2005 0:00	-0.105	-0.103
551539	1/29/2005 0:00	-0.095	-0.102
551540	1/30/2005 0:00	-0.124	-0.101
551541	1/31/2005 0:00	-0.107	-0.1
551542	2/1/2005 0:00	-0.106	-0.099
551543	2/2/2005 0:00	-0.115	-0.098
551544	2/3/2005 0:00	-0.104	-0.097
551545	2/4/2005 0:00	-0.101	-0.097
551546	2/5/2005 0:00	-0.102	-0.096
551547	2/6/2005 0:00	-0.084	-0.097
551548	2/7/2005 0:00	-0.088	-0.098
551549	2/8/2005 0:00	-0.113	-0.097
551550	2/9/2005 0:00	-0.094	-0.096
551551	2/10/2005 0:00	-0.092	-0.096
551552	2/11/2005 0:00	-0.069	-0.096
551553	2/12/2005 0:00	-0.092	-0.096
551554	2/13/2005 0:00	-0.07	-0.097
551555	2/14/2005 0:00	-0.087	-0.097
551556	2/15/2005 0:00	-0.077	-0.097
551557	2/16/2005 0:00	-0.105	-0.097
551558	2/17/2005 0:00	-0.078	-0.097
551559	2/18/2005 0:00	-0.075	-0.096

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551560	2/19/2005 0:00	-0.117	-0.097
551561	2/20/2005 0:00	-0.092	-0.097
551562	2/21/2005 0:00	-0.124	-0.097
551563	2/22/2005 0:00	-0.13	-0.097
551564	2/23/2005 0:00	-0.086	-0.097
551565	2/24/2005 0:00	-0.096	-0.097
551566	2/25/2005 0:00	-0.091	-0.096
551567	2/26/2005 0:00	-0.075	-0.097
551568	2/27/2005 0:00	-0.093	-0.097
551569	2/28/2005 0:00	-0.117	-0.098
551570	3/1/2005 0:00	-0.103	-0.099
551571	3/2/2005 0:00	-0.123	-0.099
551572	3/3/2005 0:00	-0.116	-0.099
551573	3/4/2005 0:00	-0.088	-0.098
551574	3/5/2005 0:00	-0.11	-0.098
551575	3/6/2005 0:00	-0.11	-0.099
551576	3/7/2005 0:00	-0.104	-0.099
551577	3/8/2005 0:00	-0.102	-0.098
551578	3/9/2005 0:00	-0.103	-0.098
551579	3/10/2005 0:00	-0.091	-0.096
551580	3/11/2005 0:00	-0.085	-0.095
551581	3/12/2005 0:00	-0.077	-0.095
551582	3/13/2005 0:00	-0.11	-0.093
551583	3/14/2005 0:00	-0.096	-0.093
551584	3/15/2005 0:00	-0.104	-0.092
551585	3/16/2005 0:00	-0.105	-0.091
551586	3/17/2005 0:00	-0.085	-0.091
551587	3/18/2005 0:00	-0.072	-0.089
551588	3/19/2005 0:00	-0.08	-0.087
551589	3/20/2005 0:00	-0.092	-0.087
551590	3/21/2005 0:00	-0.102	-0.086
551591	3/22/2005 0:00	-0.1	-0.085
551592	3/23/2005 0:00	-0.076	-0.084
551593	3/24/2005 0:00	-0.102	-0.082
551594	3/25/2005 0:00	-0.073	-0.08
551595	3/26/2005 0:00	-0.073	-0.079
551596	3/27/2005 0:00	-0.084	-0.078
551597	3/28/2005 0:00	-0.049	-0.078
551598	3/29/2005 0:00	-0.062	-0.076
551599	3/30/2005 0:00	-0.066	-0.075
551600	3/31/2005 0:00	-0.091	-0.074
551601	4/1/2005 0:00	-0.091	-0.073
551602	4/2/2005 0:00	-0.071	-0.072
551603	4/3/2005 0:00	-0.058	-0.072
551604	4/4/2005 0:00	-0.06	-0.072
551605	4/5/2005 0:00	-0.091	-0.072

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551606	4/6/2005 0:00	-0.078	-0.071
551607	4/7/2005 0:00	-0.077	-0.07
551608	4/8/2005 0:00	-0.045	-0.07
551609	4/9/2005 0:00	-0.039	-0.069
551610	4/10/2005 0:00	-0.052	-0.07
551611	4/11/2005 0:00	-0.062	-0.07
551612	4/12/2005 0:00	-0.068	-0.07
551613	4/13/2005 0:00	-0.05	-0.072
551614	4/14/2005 0:00	-0.053	-0.073
551615	4/15/2005 0:00	-0.073	-0.073
551616	4/16/2005 0:00	-0.072	-0.072
551617	4/17/2005 0:00	-0.078	-0.072
551618	4/18/2005 0:00	-0.077	-0.071
551619	4/19/2005 0:00	-0.071	-0.072
551620	4/20/2005 0:00	-0.084	-0.073
551621	4/21/2005 0:00	-0.08	-0.072
551622	4/22/2005 0:00	-0.069	-0.072
551623	4/23/2005 0:00	-0.077	-0.072
551624	4/24/2005 0:00	-0.07	-0.073
551625	4/25/2005 0:00	-0.082	-0.074
551626	4/26/2005 0:00	-0.09	-0.074
551627	4/27/2005 0:00	-0.085	-0.075
551628	4/28/2005 0:00	-0.114	-0.076
551629	4/29/2005 0:00	-0.074	-0.077
551630	4/30/2005 0:00	-0.082	-0.078
551631	5/1/2005 0:00	-0.058	-0.078
551632	5/2/2005 0:00	-0.076	-0.079
551633	5/3/2005 0:00	-0.064	-0.078
551634	5/4/2005 0:00	-0.086	-0.079
551635	5/5/2005 0:00	-0.072	-0.078
551636	5/6/2005 0:00	-0.06	-0.078
551637	5/7/2005 0:00	-0.077	-0.078
551638	5/8/2005 0:00	-0.088	-0.079
551639	5/9/2005 0:00	-0.092	-0.079
551640	5/10/2005 0:00	-0.06	-0.079
551641	5/11/2005 0:00	-0.048	-0.079
551642	5/12/2005 0:00	-0.095	-0.079
551643	5/13/2005 0:00	-0.107	-0.079
551644	5/14/2005 0:00	-0.076	-0.078
551645	5/15/2005 0:00	-0.084	-0.078
551646	5/16/2005 0:00	-0.084	-0.077
551647	5/17/2005 0:00	-0.082	-0.077
551648	5/18/2005 0:00	-0.063	-0.077
551649	5/19/2005 0:00	-0.085	-0.078
551650	5/20/2005 0:00	-0.057	-0.077
551651	5/21/2005 0:00	-0.082	-0.077

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551652	5/22/2005 0:00	-0.087	-0.077
551653	5/23/2005 0:00	-0.096	-0.077
551654	5/24/2005 0:00	-0.068	-0.076
551655	5/25/2005 0:00	-0.081	-0.076
551656	5/26/2005 0:00	-0.084	-0.077
551657	5/27/2005 0:00	-0.078	-0.077
551658	5/28/2005 0:00	-0.086	-0.076
551659	5/29/2005 0:00	-0.081	-0.075
551660	5/30/2005 0:00	-0.073	-0.075
551661	5/31/2005 0:00	-0.062	-0.075
551662	6/1/2005 0:00	-0.064	-0.075
551663	6/2/2005 0:00	-0.071	-0.075
551664	6/3/2005 0:00	-0.086	-0.076
551665	6/4/2005 0:00	-0.061	-0.075
551666	6/5/2005 0:00	-0.056	-0.075
551667	6/6/2005 0:00	-0.078	-0.075
551668	6/7/2005 0:00	-0.068	-0.076
551669	6/8/2005 0:00	-0.067	-0.076
551670	6/9/2005 0:00	-0.075	-0.076
551671	6/10/2005 0:00	-0.097	-0.076
551672	6/11/2005 0:00	-0.051	-0.076
551673	6/12/2005 0:00	-0.069	-0.076
551674	6/13/2005 0:00	-0.08	-0.076
551675	6/14/2005 0:00	-0.084	-0.076
551676	6/15/2005 0:00	-0.069	-0.076
551677	6/16/2005 0:00	-0.089	-0.076
551678	6/17/2005 0:00	-0.068	-0.076
551679	6/18/2005 0:00	-0.09	-0.076
551680	6/19/2005 0:00	-0.057	-0.076
551681	6/20/2005 0:00	-0.073	-0.076
551682	6/21/2005 0:00	-0.089	-0.077
551683	6/22/2005 0:00	-0.103	-0.078
551684	6/23/2005 0:00	-0.086	-0.078
551685	6/24/2005 0:00	-0.083	-0.078
551686	6/25/2005 0:00	-0.069	-0.078
551687	6/26/2005 0:00	-0.08	-0.078
551688	6/27/2005 0:00	-0.09	-0.08
551689	6/28/2005 0:00	-0.075	-0.08
551690	6/29/2005 0:00	-0.094	-0.08
551691	6/30/2005 0:00	-0.065	-0.079
551692	7/1/2005 0:00	-0.071	-0.079
551693	7/2/2005 0:00	-0.065	-0.079
551694	7/3/2005 0:00	-0.065	-0.08
551695	7/4/2005 0:00	-0.078	-0.08
551696	7/5/2005 0:00	-0.082	-0.081
551697	7/6/2005 0:00	-0.084	-0.081

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551698	7/7/2005 0:00	-0.096	-0.08
551699	7/8/2005 0:00	-0.084	-0.08
551700	7/9/2005 0:00	-0.062	-0.08
551701	7/10/2005 0:00	-0.085	-0.08
551702	7/11/2005 0:00	-0.098	-0.08
551703	7/12/2005 0:00	-0.095	-0.08
551704	7/13/2005 0:00	-0.078	-0.08
551705	7/14/2005 0:00	-0.066	-0.081
551706	7/15/2005 0:00	-0.053	-0.081
551707	7/16/2005 0:00	-0.086	-0.083
551708	7/17/2005 0:00	-0.093	-0.083
551709	7/18/2005 0:00	-0.092	-0.084
551710	7/19/2005 0:00	-0.084	-0.084
551711	7/20/2005 0:00	-0.083	-0.085
551712	7/21/2005 0:00	-0.067	-0.086
551713	7/22/2005 0:00	-0.078	-0.086
551714	7/23/2005 0:00	-0.092	-0.086
551715	7/24/2005 0:00	-0.082	-0.086
551716	7/25/2005 0:00	-0.094	-0.088
551717	7/26/2005 0:00	-0.069	-0.089
551718	7/27/2005 0:00	-0.079	-0.088
551719	7/28/2005 0:00	-0.092	-0.087
551720	7/29/2005 0:00	-0.102	-0.088
551721	7/30/2005 0:00	-0.102	-0.089
551722	7/31/2005 0:00	-0.103	-0.091
551723	8/1/2005 0:00	-0.082	-0.091
551724	8/2/2005 0:00	-0.085	-0.09
551725	8/3/2005 0:00	-0.085	-0.091
551726	8/4/2005 0:00	-0.11	-0.091
551727	8/5/2005 0:00	-0.11	-0.092
551728	8/6/2005 0:00	-0.086	-0.092
551729	8/7/2005 0:00	-0.101	-0.092
551730	8/8/2005 0:00	-0.088	-0.093
551731	8/9/2005 0:00	-0.103	-0.093
551732	8/10/2005 0:00	-0.111	-0.093
551733	8/11/2005 0:00	-0.079	-0.094
551734	8/12/2005 0:00	-0.079	-0.094
551735	8/13/2005 0:00	-0.087	-0.095
551736	8/14/2005 0:00	-0.106	-0.095
551737	8/15/2005 0:00	-0.106	-0.095
551738	8/16/2005 0:00	-0.081	-0.096
551739	8/17/2005 0:00	-0.09	-0.096
551740	8/18/2005 0:00	-0.098	-0.096
551741	8/19/2005 0:00	-0.091	-0.096
551742	8/20/2005 0:00	-0.105	-0.096
551743	8/21/2005 0:00	-0.081	-0.096

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551744	8/22/2005 0:00	-0.089	-0.097
551745	8/23/2005 0:00	-0.097	-0.097
551746	8/24/2005 0:00	-0.103	-0.097
551747	8/25/2005 0:00	-0.084	-0.098
551748	8/26/2005 0:00	-0.085	-0.097
551749	8/27/2005 0:00	-0.105	-0.098
551750	8/28/2005 0:00	-0.108	-0.099
551751	8/29/2005 0:00	-0.118	-0.099
551752	8/30/2005 0:00	-0.092	-0.098
551753	8/31/2005 0:00	-0.118	-0.099
551754	9/1/2005 0:00	-0.085	-0.1
551755	9/2/2005 0:00	-0.082	-0.1
551756	9/3/2005 0:00	-0.107	-0.1
551757	9/4/2005 0:00	-0.095	-0.101
551758	9/5/2005 0:00	-0.12	-0.101
551759	9/6/2005 0:00	-0.109	-0.102
551760	9/7/2005 0:00	-0.099	-0.103
551761	9/8/2005 0:00	-0.111	-0.103
551762	9/9/2005 0:00	-0.11	-0.103
551763	9/10/2005 0:00	-0.106	-0.103
551764	9/11/2005 0:00	-0.101	-0.102
551765	9/12/2005 0:00	-0.091	-0.102
551766	9/13/2005 0:00	-0.086	-0.101
551767	9/14/2005 0:00	-0.102	-0.1
551768	9/15/2005 0:00	-0.12	-0.1
551769	9/16/2005 0:00	-0.109	-0.098
551770	9/17/2005 0:00	-0.094	-0.099
551771	9/18/2005 0:00	-0.108	-0.099
551772	9/19/2005 0:00	-0.123	-0.099
551773	9/20/2005 0:00	-0.108	-0.099
551774	9/21/2005 0:00	-0.109	-0.098
551775	9/22/2005 0:00	-0.117	-0.098
551776	9/23/2005 0:00	-0.102	-0.096
551777	9/24/2005 0:00	-0.099	-0.095
551778	9/25/2005 0:00	-0.079	-0.094
551779	9/26/2005 0:00	-0.058	-0.094
551780	9/27/2005 0:00	-0.101	-0.093
551781	9/28/2005 0:00	-0.088	-0.094
551782	9/29/2005 0:00	-0.079	-0.093
551783	9/30/2005 0:00	-0.075	-0.092
551784	10/1/2005 0:00	-0.066	-0.092
551785	10/2/2005 0:00	-0.106	-0.09
551786	10/3/2005 0:00	-0.102	-0.089
551787	10/4/2005 0:00	-0.087	-0.089
551788	10/5/2005 0:00	-0.114	-0.088
551789	10/6/2005 0:00	-0.093	-0.087

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551790	10/7/2005 0:00	-0.089	-0.087
551791	10/8/2005 0:00	-0.042	-0.086
551792	10/9/2005 0:00	-0.087	-0.086
551793	10/10/2005 0:00	-0.087	-0.086
551794	10/11/2005 0:00	-0.094	-0.086
551795	10/12/2005 0:00	-0.08	-0.087
551796	10/13/2005 0:00	-0.104	-0.088
551797	10/14/2005 0:00	-0.071	-0.088
551798	10/15/2005 0:00	-0.077	-0.088
551799	10/16/2005 0:00	-0.099	-0.09
551800	10/17/2005 0:00	-0.044	-0.09
551801	10/18/2005 0:00	-0.072	-0.091
551802	10/19/2005 0:00	-0.106	-0.091
551803	10/20/2005 0:00	-0.1	-0.091
551804	10/21/2005 0:00	-0.08	-0.091
551805	10/22/2005 0:00	-0.099	-0.091
551806	10/23/2005 0:00	-0.09	-0.092
551807	10/24/2005 0:00	-0.114	-0.094
551808	10/25/2005 0:00	-0.082	-0.094
551809	10/26/2005 0:00	-0.093	-0.096
551810	10/27/2005 0:00	-0.066	-0.096
551811	10/28/2005 0:00	-0.133	-0.097
551812	10/29/2005 0:00	-0.088	-0.097
551813	10/30/2005 0:00	-0.09	-0.097
551814	10/31/2005 0:00	-0.142	-0.099
551815	11/1/2005 0:00	-0.07	-0.1
551816	11/2/2005 0:00	-0.116	-0.103
551817	11/3/2005 0:00	-0.112	-0.104
551818	11/4/2005 0:00	-0.093	-0.104
551819	11/5/2005 0:00	-0.109	-0.105
551820	11/6/2005 0:00	-0.099	-0.105
551821	11/7/2005 0:00	-0.1	-0.106
551822	11/8/2005 0:00	-0.105	-0.106
551823	11/9/2005 0:00	-0.1	-0.105
551824	11/10/2005 0:00	-0.142	-0.107
551825	11/11/2005 0:00	-0.102	-0.107
551826	11/12/2005 0:00	-0.102	-0.108
551827	11/13/2005 0:00	-0.107	-0.107
551828	11/14/2005 0:00	-0.091	-0.108
551829	11/15/2005 0:00	-0.125	-0.109
551830	11/16/2005 0:00	-0.118	-0.108
551831	11/17/2005 0:00	-0.137	-0.111
551832	11/18/2005 0:00	-0.104	-0.111
551833	11/19/2005 0:00	-0.113	-0.111
551834	11/20/2005 0:00	-0.128	-0.112
551835	11/21/2005 0:00	-0.091	-0.112

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551836	11/22/2005 0:00	-0.122	-0.112
551837	11/23/2005 0:00	-0.103	-0.113
551838	11/24/2005 0:00	-0.086	-0.113
551839	11/25/2005 0:00	-0.117	-0.113
551840	11/26/2005 0:00	-0.098	-0.112
551841	11/27/2005 0:00	-0.093	-0.112
551842	11/28/2005 0:00	-0.113	-0.112
551843	11/29/2005 0:00	-0.111	-0.112
551844	11/30/2005 0:00	-0.138	-0.113
551845	12/1/2005 0:00	-0.116	-0.112
551846	12/2/2005 0:00	-0.137	-0.112
551847	12/3/2005 0:00	-0.115	-0.111
551848	12/4/2005 0:00	-0.115	-0.11
551849	12/5/2005 0:00	-0.131	-0.11
551850	12/6/2005 0:00	-0.113	-0.11
551851	12/7/2005 0:00	-0.11	-0.11
551852	12/8/2005 0:00	-0.11	-0.11
551853	12/9/2005 0:00	-0.123	-0.11
551854	12/10/2005 0:00	-0.102	-0.11
551855	12/11/2005 0:00	-0.092	-0.109
551856	12/12/2005 0:00	-0.104	-0.109
551857	12/13/2005 0:00	-0.095	-0.109
551858	12/14/2005 0:00	-0.126	-0.109
551859	12/15/2005 0:00	-0.115	-0.108
551860	12/16/2005 0:00	-0.097	-0.107
551861	12/17/2005 0:00	-0.104	-0.106
551862	12/18/2005 0:00	-0.104	-0.104
551863	12/19/2005 0:00	-0.09	-0.103
551864	12/20/2005 0:00	-0.113	-0.104
551865	12/21/2005 0:00	-0.111	-0.104
551866	12/22/2005 0:00	-0.102	-0.104
551867	12/23/2005 0:00	-0.108	-0.103
551868	12/24/2005 0:00	-0.108	-0.103
551869	12/25/2005 0:00	-0.098	-0.102
551870	12/26/2005 0:00	-0.073	-0.102
551871	12/27/2005 0:00	-0.11	-0.103
551872	12/28/2005 0:00	-0.1	-0.103
551873	12/29/2005 0:00	-0.106	-0.103
551874	12/30/2005 0:00	-0.072	-0.103
551875	12/31/2005 0:00	-0.103	-0.102
551876	1/1/2006 0:00	-0.088	-0.102
551877	1/2/2006 0:00	-0.077	-0.102
551878	1/3/2006 0:00	-0.104	-0.101
551879	1/4/2006 0:00	-0.137	-0.102
551880	1/5/2006 0:00	-0.123	-0.102
551881	1/6/2006 0:00	-0.114	-0.101

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551882	1/7/2006 0:00	-0.095	-0.101
551883	1/8/2006 0:00	-0.084	-0.101
551884	1/9/2006 0:00	-0.106	-0.101
551885	1/10/2006 0:00	-0.114	-0.101
551886	1/11/2006 0:00	-0.11	-0.102
551887	1/12/2006 0:00	-0.117	-0.102
551888	1/13/2006 0:00	-0.087	-0.102
551889	1/14/2006 0:00	-0.125	-0.102
551890	1/15/2006 0:00	-0.082	-0.103
551891	1/16/2006 0:00	-0.095	-0.102
551892	1/17/2006 0:00	-0.101	-0.101
551893	1/18/2006 0:00	-0.094	-0.101
551894	1/19/2006 0:00	-0.096	-0.1
551895	1/20/2006 0:00	-0.11	-0.099
551896	1/21/2006 0:00	-0.101	-0.098
551897	1/22/2006 0:00	-0.108	-0.098
551898	1/23/2006 0:00	-0.104	-0.098
551899	1/24/2006 0:00	-0.099	-0.099
551900	1/25/2006 0:00	-0.087	-0.099
551901	1/26/2006 0:00	-0.111	-0.099
551902	1/27/2006 0:00	-0.1	-0.1
551903	1/28/2006 0:00	-0.119	-0.101
551904	1/29/2006 0:00	-0.108	-0.102
551905	1/30/2006 0:00	-0.09	-0.101
551906	1/31/2006 0:00	-0.078	-0.101
551907	2/1/2006 0:00	-0.05	-0.101
551908	2/2/2006 0:00	-0.079	-0.101
551909	2/3/2006 0:00	-0.087	-0.101
551910	2/4/2006 0:00	-0.1	-0.102
551911	2/5/2006 0:00	-0.074	-0.101
551912	2/6/2006 0:00	-0.116	-0.1
551913	2/7/2006 0:00	-0.116	-0.099
551914	2/8/2006 0:00	-0.113	-0.099
551915	2/9/2006 0:00	-0.11	-0.099
551916	2/10/2006 0:00	-0.112	-0.099
551917	2/11/2006 0:00	-0.131	-0.099
551918	2/12/2006 0:00	-0.139	-0.098
551919	2/13/2006 0:00	-0.121	-0.098
551920	2/14/2006 0:00	-0.09	-0.098
551921	2/15/2006 0:00	-0.098	-0.098
551922	2/16/2006 0:00	-0.085	-0.1
551923	2/17/2006 0:00	-0.096	-0.101
551924	2/18/2006 0:00	-0.106	-0.102
551925	2/19/2006 0:00	-0.11	-0.103
551926	2/20/2006 0:00	-0.087	-0.104
551927	2/21/2006 0:00	-0.077	-0.104

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551928	2/22/2006 0:00	-0.076	-0.103
551929	2/23/2006 0:00	-0.094	-0.101
551930	2/24/2006 0:00	-0.102	-0.1
551931	2/25/2006 0:00	-0.103	-0.1
551932	2/26/2006 0:00	-0.114	-0.1
551933	2/27/2006 0:00	-0.07	-0.098
551934	2/28/2006 0:00	-0.099	-0.098
551935	3/1/2006 0:00	-0.111	-0.097
551936	3/2/2006 0:00	-0.104	-0.098
551937	3/3/2006 0:00	-0.123	-0.098
551938	3/4/2006 0:00	-0.1	-0.098
551939	3/5/2006 0:00	-0.113	-0.099
551940	3/6/2006 0:00	-0.102	-0.099
551941	3/7/2006 0:00	-0.12	-0.099
551942	3/8/2006 0:00	-0.097	-0.1
551943	3/9/2006 0:00	-0.083	-0.102
551944	3/10/2006 0:00	-0.056	-0.103
551945	3/11/2006 0:00	-0.081	-0.103
551946	3/12/2006 0:00	-0.096	-0.102
551947	3/13/2006 0:00	-0.116	-0.102
551948	3/14/2006 0:00	-0.082	-0.102
551949	3/15/2006 0:00	-0.112	-0.104
551950	3/16/2006 0:00	-0.12	-0.104
551951	3/17/2006 0:00	-0.095	-0.104
551952	3/18/2006 0:00	-0.103	-0.104
551953	3/19/2006 0:00	-0.105	-0.103
551954	3/20/2006 0:00	-0.106	-0.103
551955	3/21/2006 0:00	-0.103	-0.104
551956	3/22/2006 0:00	-0.123	-0.103
551957	3/23/2006 0:00	-0.126	-0.102
551958	3/24/2006 0:00	-0.114	-0.103
551959	3/25/2006 0:00	-0.111	-0.104
551960	3/26/2006 0:00	-0.089	-0.106
551961	3/27/2006 0:00	-0.097	-0.107
551962	3/28/2006 0:00	-0.102	-0.107
551963	3/29/2006 0:00	-0.09	-0.107
551964	3/30/2006 0:00	-0.137	-0.108
551965	3/31/2006 0:00	-0.117	-0.107
551966	4/1/2006 0:00	-0.084	-0.106
551967	4/2/2006 0:00	-0.114	-0.106
551968	4/3/2006 0:00	-0.099	-0.106
551969	4/4/2006 0:00	-0.106	-0.106
551970	4/5/2006 0:00	-0.123	-0.106
551971	4/6/2006 0:00	-0.082	-0.105
551972	4/7/2006 0:00	-0.1	-0.104
551973	4/8/2006 0:00	-0.118	-0.103

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
551974	4/9/2006 0:00	-0.123	-0.103
551975	4/10/2006 0:00	-0.101	-0.103
551976	4/11/2006 0:00	-0.113	-0.103
551977	4/12/2006 0:00	-0.118	-0.103
551978	4/13/2006 0:00	-0.107	-0.103
551979	4/14/2006 0:00	-0.1	-0.104
551980	4/15/2006 0:00	-0.09	-0.103
551981	4/16/2006 0:00	-0.092	-0.103
551982	4/17/2006 0:00	-0.085	-0.103
551983	4/18/2006 0:00	-0.115	-0.103
551984	4/19/2006 0:00	-0.113	-0.103
551985	4/20/2006 0:00	-0.084	-0.102
551986	4/21/2006 0:00	-0.089	-0.102
551987	4/22/2006 0:00	-0.095	-0.103
551988	4/23/2006 0:00	-0.091	-0.102
551989	4/24/2006 0:00	-0.108	-0.102
551990	4/25/2006 0:00	-0.106	-0.101
551991	4/26/2006 0:00	-0.093	-0.101
551992	4/27/2006 0:00	-0.11	-0.1
551993	4/28/2006 0:00	-0.098	-0.099
551994	4/29/2006 0:00	-0.109	-0.1
551995	4/30/2006 0:00	-0.101	-0.101
551996	5/1/2006 0:00	-0.116	-0.101
551997	5/2/2006 0:00	-0.101	-0.1
551998	5/3/2006 0:00	-0.102	-0.1
551999	5/4/2006 0:00	-0.093	-0.1
552000	5/5/2006 0:00	-0.091	-0.099
552001	5/6/2006 0:00	-0.104	-0.099
552002	5/7/2006 0:00	-0.114	-0.099
552003	5/8/2006 0:00	-0.096	-0.099
552004	5/9/2006 0:00	-0.101	-0.098
552005	5/10/2006 0:00	-0.092	-0.097
552006	5/11/2006 0:00	-0.097	-0.097
552007	5/12/2006 0:00	-0.094	-0.096
552008	5/13/2006 0:00	-0.098	-0.095
552009	5/14/2006 0:00	-0.129	-0.094
552010	5/15/2006 0:00	-0.129	-0.095
552011	5/16/2006 0:00	-0.079	-0.094
552012	5/17/2006 0:00	-0.073	-0.093
552013	5/18/2006 0:00	-0.083	-0.093
552014	5/19/2006 0:00	-0.102	-0.093
552015	5/20/2006 0:00	-0.086	-0.092
552016	5/21/2006 0:00	-0.096	-0.093
552017	5/22/2006 0:00	-0.068	-0.092
552018	5/23/2006 0:00	-0.104	-0.092
552019	5/24/2006 0:00	-0.069	-0.092

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552020	5/25/2006 0:00	-0.079	-0.092
552021	5/26/2006 0:00	-0.095	-0.092
552022	5/27/2006 0:00	-0.064	-0.092
552023	5/28/2006 0:00	-0.072	-0.091
552024	5/29/2006 0:00	-0.09	-0.092
552025	5/30/2006 0:00	-0.114	-0.09
552026	5/31/2006 0:00	-0.095	-0.089
552027	6/1/2006 0:00	-0.083	-0.089
552028	6/2/2006 0:00	-0.085	-0.089
552029	6/3/2006 0:00	-0.104	-0.089
552030	6/4/2006 0:00	-0.08	-0.089
552031	6/5/2006 0:00	-0.097	-0.089
552032	6/6/2006 0:00	-0.069	-0.089
552033	6/7/2006 0:00	-0.122	-0.089
552034	6/8/2006 0:00	-0.108	-0.089
552035	6/9/2006 0:00	-0.096	-0.089
552036	6/10/2006 0:00	-0.089	-0.09
552037	6/11/2006 0:00	-0.087	-0.09
552038	6/12/2006 0:00	-0.081	-0.091
552039	6/13/2006 0:00	-0.112	-0.092
552040	6/14/2006 0:00	-0.087	-0.091
552041	6/15/2006 0:00	-0.082	-0.091
552042	6/16/2006 0:00	-0.071	-0.091
552043	6/17/2006 0:00	-0.088	-0.091
552044	6/18/2006 0:00	-0.075	-0.092
552045	6/19/2006 0:00	-0.11	-0.092
552046	6/20/2006 0:00	-0.069	-0.093
552047	6/21/2006 0:00	-0.096	-0.095
552048	6/22/2006 0:00	-0.089	-0.096
552049	6/23/2006 0:00	-0.084	-0.096
552050	6/24/2006 0:00	-0.094	-0.095
552051	6/25/2006 0:00	-0.093	-0.095
552052	6/26/2006 0:00	-0.11	-0.095
552053	6/27/2006 0:00	-0.083	-0.096
552054	6/28/2006 0:00	-0.098	-0.096
552055	6/29/2006 0:00	-0.073	-0.095
552056	6/30/2006 0:00	-0.119	-0.095
552057	7/1/2006 0:00	-0.075	-0.095
552058	7/2/2006 0:00	-0.109	-0.096
552059	7/3/2006 0:00	-0.103	-0.095
552060	7/4/2006 0:00	-0.1	-0.097
552061	7/5/2006 0:00	-0.123	-0.095
552062	7/6/2006 0:00	-0.146	-0.097
552063	7/7/2006 0:00	-0.102	-0.098
552064	7/8/2006 0:00	-0.124	-0.098
552065	7/9/2006 0:00	-0.079	-0.099

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552066	7/10/2006 0:00	-0.098	-0.099
552067	7/11/2006 0:00	-0.086	-0.099
552068	7/12/2006 0:00	-0.105	-0.098
552069	7/13/2006 0:00	-0.097	-0.099
552070	7/14/2006 0:00	-0.087	-0.099
552071	7/15/2006 0:00	-0.085	-0.099
552072	7/16/2006 0:00	-0.087	-0.098
552073	7/17/2006 0:00	-0.092	-0.098
552074	7/18/2006 0:00	-0.072	-0.098
552075	7/19/2006 0:00	-0.106	-0.099
552076	7/20/2006 0:00	-0.067	-0.098
552077	7/21/2006 0:00	-0.131	-0.097
552078	7/22/2006 0:00	-0.111	-0.096
552079	7/23/2006 0:00	-0.092	-0.096
552080	7/24/2006 0:00	-0.118	-0.096
552081	7/25/2006 0:00	-0.103	-0.097
552082	7/26/2006 0:00	-0.078	-0.097
552083	7/27/2006 0:00	-0.104	-0.097
552084	7/28/2006 0:00	-0.091	-0.097
552085	7/29/2006 0:00	-0.099	-0.097
552086	7/30/2006 0:00	-0.09	-0.097
552087	7/31/2006 0:00	-0.072	-0.097
552088	8/1/2006 0:00	-0.088	-0.097
552089	8/2/2006 0:00	-0.104	-0.097
552090	8/3/2006 0:00	-0.118	-0.099
552091	8/4/2006 0:00	-0.092	-0.099
552092	8/5/2006 0:00	-0.098	-0.1
552093	8/6/2006 0:00	-0.108	-0.098
552094	8/7/2006 0:00	-0.108	-0.098
552095	8/8/2006 0:00	-0.106	-0.098
552096	8/9/2006 0:00	-0.109	-0.097
552097	8/10/2006 0:00	-0.096	-0.097
552098	8/11/2006 0:00	-0.095	-0.097
552099	8/12/2006 0:00	-0.105	-0.097
552100	8/13/2006 0:00	-0.095	-0.097
552101	8/14/2006 0:00	-0.08	-0.098
552102	8/15/2006 0:00	-0.087	-0.099
552103	8/16/2006 0:00	-0.105	-0.1
552104	8/17/2006 0:00	-0.088	-0.101
552105	8/18/2006 0:00	-0.113	-0.101
552106	8/19/2006 0:00	-0.111	-0.1
552107	8/20/2006 0:00	-0.09	-0.101
552108	8/21/2006 0:00	-0.098	-0.102
552109	8/22/2006 0:00	-0.092	-0.102
552110	8/23/2006 0:00	-0.098	-0.102
552111	8/24/2006 0:00	-0.081	-0.102

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552112	8/25/2006 0:00	-0.094	-0.102
552113	8/26/2006 0:00	-0.087	-0.103
552114	8/27/2006 0:00	-0.107	-0.103
552115	8/28/2006 0:00	-0.091	-0.103
552116	8/29/2006 0:00	-0.131	-0.104
552117	8/30/2006 0:00	-0.126	-0.104
552118	8/31/2006 0:00	-0.104	-0.105
552119	9/1/2006 0:00	-0.104	-0.104
552120	9/2/2006 0:00	-0.11	-0.105
552121	9/3/2006 0:00	-0.093	-0.104
552122	9/4/2006 0:00	-0.129	-0.104
552123	9/5/2006 0:00	-0.127	-0.105
552124	9/6/2006 0:00	-0.109	-0.105
552125	9/7/2006 0:00	-0.096	-0.104
552126	9/8/2006 0:00	-0.107	-0.105
552127	9/9/2006 0:00	-0.112	-0.106
552128	9/10/2006 0:00	-0.13	-0.106
552129	9/11/2006 0:00	-0.105	-0.107
552130	9/12/2006 0:00	-0.098	-0.108
552131	9/13/2006 0:00	-0.113	-0.108
552132	9/14/2006 0:00	-0.099	-0.107
552133	9/15/2006 0:00	-0.106	-0.106
552134	9/16/2006 0:00	-0.089	-0.107
552135	9/17/2006 0:00	-0.1	-0.107
552136	9/18/2006 0:00	-0.091	-0.108
552137	9/19/2006 0:00	-0.107	-0.109
552138	9/20/2006 0:00	-0.108	-0.108
552139	9/21/2006 0:00	-0.096	-0.108
552140	9/22/2006 0:00	-0.086	-0.108
552141	9/23/2006 0:00	-0.108	-0.109
552142	9/24/2006 0:00	-0.111	-0.109
552143	9/25/2006 0:00	-0.102	-0.11
552144	9/26/2006 0:00	-0.116	-0.109
552145	9/27/2006 0:00	-0.135	-0.109
552146	9/28/2006 0:00	-0.098	-0.109
552147	9/29/2006 0:00	-0.105	-0.109
552148	9/30/2006 0:00	-0.095	-0.108
552149	10/1/2006 0:00	-0.117	-0.106
552150	10/2/2006 0:00	-0.133	-0.105
552151	10/3/2006 0:00	-0.127	-0.106
552152	10/4/2006 0:00	-0.112	-0.106
552153	10/5/2006 0:00	-0.104	-0.106
552154	10/6/2006 0:00	-0.124	-0.106
552155	10/7/2006 0:00	-0.127	-0.106
552156	10/8/2006 0:00	-0.127	-0.107
552157	10/9/2006 0:00	-0.109	-0.107

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552158	10/10/2006 0:00	-0.127	-0.107
552159	10/11/2006 0:00	-0.097	-0.108
552160	10/12/2006 0:00	-0.099	-0.108
552161	10/13/2006 0:00	-0.112	-0.107
552162	10/14/2006 0:00	-0.1	-0.107
552163	10/15/2006 0:00	-0.067	-0.107
552164	10/16/2006 0:00	-0.052	-0.107
552165	10/17/2006 0:00	-0.071	-0.106
552166	10/18/2006 0:00	-0.11	-0.105
552167	10/19/2006 0:00	-0.119	-0.105
552168	10/20/2006 0:00	-0.101	-0.105
552169	10/21/2006 0:00	-0.097	-0.106
552170	10/22/2006 0:00	-0.1	-0.105
552171	10/23/2006 0:00	-0.121	-0.105
552172	10/24/2006 0:00	-0.114	-0.103
552173	10/25/2006 0:00	-0.114	-0.102
552174	10/26/2006 0:00	-0.109	-0.101
552175	10/27/2006 0:00	-0.116	-0.102
552176	10/28/2006 0:00	-0.109	-0.102
552177	10/29/2006 0:00	-0.101	-0.102
552178	10/30/2006 0:00	-0.092	-0.102
552179	10/31/2006 0:00	-0.095	-0.103
552180	11/1/2006 0:00	-0.108	-0.105
552181	11/2/2006 0:00	-0.108	-0.107
552182	11/3/2006 0:00	-0.11	-0.107
552183	11/4/2006 0:00	-0.13	-0.108
552184	11/5/2006 0:00	-0.108	-0.108
552185	11/6/2006 0:00	-0.11	-0.109
552186	11/7/2006 0:00	-0.109	-0.109
552187	11/8/2006 0:00	-0.074	-0.109
552188	11/9/2006 0:00	-0.076	-0.109
552189	11/10/2006 0:00	-0.099	-0.109
552190	11/11/2006 0:00	-0.121	-0.109
552191	11/12/2006 0:00	-0.106	-0.109
552192	11/13/2006 0:00	-0.102	-0.108
552193	11/14/2006 0:00	-0.099	-0.108
552194	11/15/2006 0:00	-0.116	-0.11
552195	11/16/2006 0:00	-0.105	-0.111
552196	11/17/2006 0:00	-0.131	-0.111
552197	11/18/2006 0:00	-0.124	-0.111
552198	11/19/2006 0:00	-0.135	-0.112
552199	11/20/2006 0:00	-0.123	-0.112
552200	11/21/2006 0:00	-0.102	-0.113
552201	11/22/2006 0:00	-0.115	-0.113
552202	11/23/2006 0:00	-0.126	-0.113
552203	11/24/2006 0:00	-0.119	-0.115

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552204	11/25/2006 0:00	-0.109	-0.116
552205	11/26/2006 0:00	-0.104	-0.117
552206	11/27/2006 0:00	-0.102	-0.117
552207	11/28/2006 0:00	-0.095	-0.118
552208	11/29/2006 0:00	-0.108	-0.118
552209	11/30/2006 0:00	-0.137	-0.119
552210	12/1/2006 0:00	-0.132	-0.119
552211	12/2/2006 0:00	-0.116	-0.119
552212	12/3/2006 0:00	-0.114	-0.118
552213	12/4/2006 0:00	-0.136	-0.119
552214	12/5/2006 0:00	-0.125	-0.118
552215	12/6/2006 0:00	-0.122	-0.119
552216	12/7/2006 0:00	-0.111	-0.12
552217	12/8/2006 0:00	-0.116	-0.12
552218	12/9/2006 0:00	-0.129	-0.12
552219	12/10/2006 0:00	-0.11	-0.121
552220	12/11/2006 0:00	-0.124	-0.122
552221	12/12/2006 0:00	-0.132	-0.124
552222	12/13/2006 0:00	-0.126	-0.125
552223	12/14/2006 0:00	-0.113	-0.127
552224	12/15/2006 0:00	-0.122	-0.127
552225	12/16/2006 0:00	-0.126	-0.128
552226	12/17/2006 0:00	-0.11	-0.128
552227	12/18/2006 0:00	-0.11	-0.129
552228	12/19/2006 0:00	-0.133	-0.128
552229	12/20/2006 0:00	-0.126	-0.128
552230	12/21/2006 0:00	-0.146	-0.129
552231	12/22/2006 0:00	-0.128	-0.129
552232	12/23/2006 0:00	-0.121	-0.13
552233	12/24/2006 0:00	-0.121	-0.131
552234	12/25/2006 0:00	-0.156	-0.131
552235	12/26/2006 0:00	-0.146	-0.131
552236	12/27/2006 0:00	-0.142	-0.131
552237	12/28/2006 0:00	-0.132	-0.131
552238	12/29/2006 0:00	-0.163	-0.131
552239	12/30/2006 0:00	-0.127	-0.132
552240	12/31/2006 0:00	-0.15	-0.133
552241	1/1/2007 0:00	-0.143	-0.133
552242	1/2/2007 0:00	-0.129	-0.133
552243	1/3/2007 0:00	-0.106	-0.135
552244	1/4/2007 0:00	-0.113	-0.135
552245	1/5/2007 0:00	-0.153	-0.135
552246	1/6/2007 0:00	-0.138	-0.133
552247	1/7/2007 0:00	-0.148	-0.133
552248	1/8/2007 0:00	-0.137	-0.134
552249	1/9/2007 0:00	-0.135	-0.135

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552250	1/10/2007 0:00	-0.113	-0.135
552251	1/11/2007 0:00	-0.107	-0.134
552252	1/12/2007 0:00	-0.124	-0.133
552253	1/13/2007 0:00	-0.145	-0.133
552254	1/14/2007 0:00	-0.139	-0.133
552255	1/15/2007 0:00	-0.151	-0.133
552256	1/16/2007 0:00	-0.129	-0.131
552257	1/17/2007 0:00	-0.121	-0.13
552258	1/18/2007 0:00	-0.153	-0.13
552259	1/19/2007 0:00	-0.141	-0.131
552260	1/20/2007 0:00	-0.116	-0.132
552261	1/21/2007 0:00	-0.107	-0.131
552262	1/22/2007 0:00	-0.131	-0.131
552263	1/23/2007 0:00	-0.144	-0.13
552264	1/24/2007 0:00	-0.153	-0.13
552265	1/25/2007 0:00	-0.141	-0.129
552266	1/26/2007 0:00	-0.123	-0.13
552267	1/27/2007 0:00	-0.118	-0.13
552268	1/28/2007 0:00	-0.135	-0.13
552269	1/29/2007 0:00	-0.14	-0.13
552270	1/30/2007 0:00	-0.134	-0.129
552271	1/31/2007 0:00	-0.096	-0.129
552272	2/1/2007 0:00	-0.121	-0.128
552273	2/2/2007 0:00	-0.12	-0.127
552274	2/3/2007 0:00	-0.137	-0.126
552275	2/4/2007 0:00	-0.141	-0.125
552276	2/5/2007 0:00	-0.121	-0.125
552277	2/6/2007 0:00	-0.136	-0.125
552278	2/7/2007 0:00	-0.13	-0.124
552279	2/8/2007 0:00	-0.13	-0.122
552280	2/9/2007 0:00	-0.117	-0.121
552281	2/10/2007 0:00	-0.128	-0.12
552282	2/11/2007 0:00	-0.105	-0.12
552283	2/12/2007 0:00	-0.142	-0.119
552284	2/13/2007 0:00	-0.133	-0.117
552285	2/14/2007 0:00	-0.117	-0.116
552286	2/15/2007 0:00	-0.131	-0.116
552287	2/16/2007 0:00	-0.104	-0.117
552288	2/17/2007 0:00	-0.106	-0.116
552289	2/18/2007 0:00	-0.109	-0.117
552290	2/19/2007 0:00	-0.102	-0.117
552291	2/20/2007 0:00	-0.113	-0.116
552292	2/21/2007 0:00	-0.102	-0.115
552293	2/22/2007 0:00	-0.103	-0.114
552294	2/23/2007 0:00	-0.105	-0.114
552295	2/24/2007 0:00	-0.123	-0.114

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552296	2/25/2007 0:00	-0.112	-0.114
552297	2/26/2007 0:00	-0.109	-0.113
552298	2/27/2007 0:00	-0.078	-0.112
552299	2/28/2007 0:00	-0.092	-0.112
552300	3/1/2007 0:00	-0.11	-0.111
552301	3/2/2007 0:00	-0.126	-0.111
552302	3/3/2007 0:00	-0.114	-0.109
552303	3/4/2007 0:00	-0.115	-0.109
552304	3/5/2007 0:00	-0.131	-0.108
552305	3/6/2007 0:00	-0.138	-0.107
552306	3/7/2007 0:00	-0.104	-0.108
552307	3/8/2007 0:00	-0.111	-0.107
552308	3/9/2007 0:00	-0.109	-0.107
552309	3/10/2007 0:00	-0.107	-0.106
552310	3/11/2007 0:00	-0.129	-0.105
552311	3/12/2007 0:00	-0.122	-0.104
552312	3/13/2007 0:00	-0.093	-0.104
552313	3/14/2007 0:00	-0.089	-0.104
552314	3/15/2007 0:00	-0.124	-0.105
552315	3/16/2007 0:00	-0.126	-0.106
552316	3/17/2007 0:00	-0.097	-0.105
552317	3/18/2007 0:00	-0.078	-0.104
552318	3/19/2007 0:00	-0.095	-0.104
552319	3/20/2007 0:00	-0.073	-0.104
552320	3/21/2007 0:00	-0.099	-0.104
552321	3/22/2007 0:00	-0.111	-0.103
552322	3/23/2007 0:00	-0.104	-0.105
552323	3/24/2007 0:00	-0.083	-0.104
552324	3/25/2007 0:00	-0.085	-0.104
552325	3/26/2007 0:00	-0.084	-0.104
552326	3/27/2007 0:00	-0.086	-0.102
552327	3/28/2007 0:00	-0.099	-0.101
552328	3/29/2007 0:00	-0.12	-0.101
552329	3/30/2007 0:00	-0.118	-0.102
552330	3/31/2007 0:00	-0.11	-0.101
552331	4/1/2007 0:00	-0.09	-0.1
552332	4/2/2007 0:00	-0.089	-0.1
552333	4/3/2007 0:00	-0.113	-0.101
552334	4/4/2007 0:00	-0.11	-0.102
552335	4/5/2007 0:00	-0.134	-0.104
552336	4/6/2007 0:00	-0.116	-0.104
552337	4/7/2007 0:00	-0.144	-0.103
552338	4/8/2007 0:00	-0.09	-0.103
552339	4/9/2007 0:00	-0.095	-0.104
552340	4/10/2007 0:00	-0.103	-0.105
552341	4/11/2007 0:00	-0.095	-0.107

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552342	4/12/2007 0:00	-0.083	-0.108
552343	4/13/2007 0:00	-0.102	-0.108
552344	4/14/2007 0:00	-0.092	-0.109
552345	4/15/2007 0:00	-0.094	-0.109
552346	4/16/2007 0:00	-0.103	-0.109
552347	4/17/2007 0:00	-0.094	-0.11
552348	4/18/2007 0:00	-0.127	-0.111
552349	4/19/2007 0:00	-0.12	-0.111
552350	4/20/2007 0:00	-0.13	-0.111
552351	4/21/2007 0:00	-0.102	-0.11
552352	4/22/2007 0:00	-0.094	-0.11
552353	4/23/2007 0:00	-0.102	-0.11
552354	4/24/2007 0:00	-0.112	-0.111
552355	4/25/2007 0:00	-0.119	-0.112
552356	4/26/2007 0:00	-0.122	-0.113
552357	4/27/2007 0:00	-0.122	-0.114
552358	4/28/2007 0:00	-0.119	-0.115
552359	4/29/2007 0:00	-0.126	-0.116
552360	4/30/2007 0:00	-0.119	-0.117
552361	5/1/2007 0:00	-0.12	-0.118
552362	5/2/2007 0:00	-0.129	-0.119
552363	5/3/2007 0:00	-0.12	-0.12
552364	5/4/2007 0:00	-0.098	-0.12
552365	5/5/2007 0:00	-0.104	-0.121
552366	5/6/2007 0:00	-0.121	-0.12
552367	5/7/2007 0:00	-0.114	-0.122
552368	5/8/2007 0:00	-0.129	-0.122
552369	5/9/2007 0:00	-0.125	-0.123
552370	5/10/2007 0:00	-0.129	-0.123
552371	5/11/2007 0:00	-0.132	-0.124
552372	5/12/2007 0:00	-0.12	-0.123
552373	5/13/2007 0:00	-0.117	-0.123
552374	5/14/2007 0:00	-0.147	-0.123
552375	5/15/2007 0:00	-0.118	-0.123
552376	5/16/2007 0:00	-0.129	-0.123
552377	5/17/2007 0:00	-0.123	-0.123
552378	5/18/2007 0:00	-0.132	-0.122
552379	5/19/2007 0:00	-0.138	-0.122
552380	5/20/2007 0:00	-0.126	-0.123
552381	5/21/2007 0:00	-0.124	-0.122
552382	5/22/2007 0:00	-0.14	-0.12
552383	5/23/2007 0:00	-0.118	-0.12
552384	5/24/2007 0:00	-0.12	-0.12
552385	5/25/2007 0:00	-0.123	-0.12
552386	5/26/2007 0:00	-0.133	-0.12
552387	5/27/2007 0:00	-0.114	-0.12

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552388	5/28/2007 0:00	-0.119	-0.119
552389	5/29/2007 0:00	-0.119	-0.12
552390	5/30/2007 0:00	-0.118	-0.12
552391	5/31/2007 0:00	-0.123	-0.12
552392	6/1/2007 0:00	-0.105	-0.12
552393	6/2/2007 0:00	-0.114	-0.12
552394	6/3/2007 0:00	-0.117	-0.12
552395	6/4/2007 0:00	-0.108	-0.12
552396	6/5/2007 0:00	-0.093	-0.121
552397	6/6/2007 0:00	-0.06	-0.121
552398	6/7/2007 0:00	-0.117	-0.121
552399	6/8/2007 0:00	-0.131	-0.122
552400	6/9/2007 0:00	-0.118	-0.123
552401	6/10/2007 0:00	-0.133	-0.124
552402	6/11/2007 0:00	-0.118	-0.125
552403	6/12/2007 0:00	-0.098	-0.126
552404	6/13/2007 0:00	-0.141	-0.128
552405	6/14/2007 0:00	-0.143	-0.128
552406	6/15/2007 0:00	-0.121	-0.129
552407	6/16/2007 0:00	-0.123	-0.13
552408	6/17/2007 0:00	-0.138	-0.13
552409	6/18/2007 0:00	-0.125	-0.131
552410	6/19/2007 0:00	-0.144	-0.132
552411	6/20/2007 0:00	-0.152	-0.133
552412	6/21/2007 0:00	-0.128	-0.134
552413	6/22/2007 0:00	-0.144	-0.136
552414	6/23/2007 0:00	-0.152	-0.136
552415	6/24/2007 0:00	-0.149	-0.136
552416	6/25/2007 0:00	-0.139	-0.136
552417	6/26/2007 0:00	-0.163	-0.136
552418	6/27/2007 0:00	-0.156	-0.138
552419	6/28/2007 0:00	-0.163	-0.139
552420	6/29/2007 0:00	-0.145	-0.139
552421	6/30/2007 0:00	-0.138	-0.138
552422	7/1/2007 0:00	-0.138	-0.139
552423	7/2/2007 0:00	-0.131	-0.139
552424	7/3/2007 0:00	-0.143	-0.139
552425	7/4/2007 0:00	-0.139	-0.14
552426	7/5/2007 0:00	-0.129	-0.139
552427	7/6/2007 0:00	-0.129	-0.138
552428	7/7/2007 0:00	-0.125	-0.138
552429	7/8/2007 0:00	-0.114	-0.138
552430	7/9/2007 0:00	-0.133	-0.137
552431	7/10/2007 0:00	-0.122	-0.136
552432	7/11/2007 0:00	-0.136	-0.136
552433	7/12/2007 0:00	-0.163	-0.135

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552434	7/13/2007 0:00	-0.147	-0.134
552435	7/14/2007 0:00	-0.144	-0.134
552436	7/15/2007 0:00	-0.119	-0.133
552437	7/16/2007 0:00	-0.123	-0.133
552438	7/17/2007 0:00	-0.141	-0.132
552439	7/18/2007 0:00	-0.142	-0.132
552440	7/19/2007 0:00	-0.132	-0.132
552441	7/20/2007 0:00	-0.121	-0.131
552442	7/21/2007 0:00	-0.118	-0.131
552443	7/22/2007 0:00	-0.126	-0.13
552444	7/23/2007 0:00	-0.146	-0.131
552445	7/24/2007 0:00	-0.133	-0.13
552446	7/25/2007 0:00	-0.121	-0.13
552447	7/26/2007 0:00	-0.137	-0.13
552448	7/27/2007 0:00	-0.13	-0.129
552449	7/28/2007 0:00	-0.138	-0.128
552450	7/29/2007 0:00	-0.137	-0.127
552451	7/30/2007 0:00	-0.123	-0.126
552452	7/31/2007 0:00	-0.133	-0.127
552453	8/1/2007 0:00	-0.128	-0.127
552454	8/2/2007 0:00	-0.13	-0.128
552455	8/3/2007 0:00	-0.13	-0.128
552456	8/4/2007 0:00	-0.117	-0.128
552457	8/5/2007 0:00	-0.109	-0.129
552458	8/6/2007 0:00	-0.116	-0.129
552459	8/7/2007 0:00	-0.138	-0.13
552460	8/8/2007 0:00	-0.112	-0.129
552461	8/9/2007 0:00	-0.109	-0.13
552462	8/10/2007 0:00	-0.116	-0.131
552463	8/11/2007 0:00	-0.124	-0.13
552464	8/12/2007 0:00	-0.129	-0.131
552465	8/13/2007 0:00	-0.12	-0.13
552466	8/14/2007 0:00	-0.121	-0.131
552467	8/15/2007 0:00	-0.151	-0.132
552468	8/16/2007 0:00	-0.115	-0.132
552469	8/17/2007 0:00	-0.161	-0.133
552470	8/18/2007 0:00	-0.143	-0.133
552471	8/19/2007 0:00	-0.135	-0.133
552472	8/20/2007 0:00	-0.151	-0.134
552473	8/21/2007 0:00	-0.134	-0.135
552474	8/22/2007 0:00	-0.134	-0.136
552475	8/23/2007 0:00	-0.125	-0.137
552476	8/24/2007 0:00	-0.148	-0.137
552477	8/25/2007 0:00	-0.154	-0.138
552478	8/26/2007 0:00	-0.131	-0.138
552479	8/27/2007 0:00	-0.142	-0.139

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552480	8/28/2007 0:00	-0.127	-0.139
552481	8/29/2007 0:00	-0.14	-0.139
552482	8/30/2007 0:00	-0.171	-0.14
552483	8/31/2007 0:00	-0.142	-0.139
552484	9/1/2007 0:00	-0.146	-0.139
552485	9/2/2007 0:00	-0.127	-0.139
552486	9/3/2007 0:00	-0.145	-0.139
552487	9/4/2007 0:00	-0.145	-0.139
552488	9/5/2007 0:00	-0.13	-0.137
552489	9/6/2007 0:00	-0.158	-0.137
552490	9/7/2007 0:00	-0.146	-0.137
552491	9/8/2007 0:00	-0.132	-0.137
552492	9/9/2007 0:00	-0.133	-0.137
552493	9/10/2007 0:00	-0.118	-0.137
552494	9/11/2007 0:00	-0.153	-0.136
552495	9/12/2007 0:00	-0.139	-0.136
552496	9/13/2007 0:00	-0.119	-0.137
552497	9/14/2007 0:00	-0.141	-0.137
552498	9/15/2007 0:00	-0.126	-0.136
552499	9/16/2007 0:00	-0.125	-0.135
552500	9/17/2007 0:00	-0.14	-0.134
552501	9/18/2007 0:00	-0.154	-0.134
552502	9/19/2007 0:00	-0.118	-0.133
552503	9/20/2007 0:00	-0.112	-0.133
552504	9/21/2007 0:00	-0.137	-0.132
552505	9/22/2007 0:00	-0.135	-0.131
552506	9/23/2007 0:00	-0.117	-0.13
552507	9/24/2007 0:00	-0.152	-0.13
552508	9/25/2007 0:00	-0.139	-0.132
552509	9/26/2007 0:00	-0.115	-0.132
552510	9/27/2007 0:00	-0.133	-0.131
552511	9/28/2007 0:00	-0.157	-0.129
552512	9/29/2007 0:00	-0.143	-0.13
552513	9/30/2007 0:00	-0.134	-0.129
552514	10/1/2007 0:00	-0.118	-0.129
552515	10/2/2007 0:00	-0.122	-0.129
552516	10/3/2007 0:00	-0.12	-0.127
552517	10/4/2007 0:00	-0.119	-0.126
552518	10/5/2007 0:00	-0.143	-0.126
552519	10/6/2007 0:00	-0.104	-0.127
552520	10/7/2007 0:00	-0.124	-0.127
552521	10/8/2007 0:00	-0.117	-0.127
552522	10/9/2007 0:00	-0.135	-0.127
552523	10/10/2007 0:00	-0.174	-0.127
552524	10/11/2007 0:00	-0.124	-0.127
552525	10/12/2007 0:00	-0.11	-0.129

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552526	10/13/2007 0:00	-0.106	-0.13
552527	10/14/2007 0:00	-0.123	-0.129
552528	10/15/2007 0:00	-0.136	-0.129
552529	10/16/2007 0:00	-0.103	-0.129
552530	10/17/2007 0:00	-0.13	-0.13
552531	10/18/2007 0:00	-0.082	-0.131
552532	10/19/2007 0:00	-0.122	-0.132
552533	10/20/2007 0:00	-0.123	-0.132
552534	10/21/2007 0:00	-0.134	-0.133
552535	10/22/2007 0:00	-0.138	-0.135
552536	10/23/2007 0:00	-0.145	-0.137
552537	10/24/2007 0:00	-0.129	-0.138
552538	10/25/2007 0:00	-0.145	-0.139
552539	10/26/2007 0:00	-0.14	-0.138
552540	10/27/2007 0:00	-0.155	-0.139
552541	10/28/2007 0:00	-0.175	-0.14
552542	10/29/2007 0:00	-0.131	-0.141
552543	10/30/2007 0:00	-0.142	-0.142
552544	10/31/2007 0:00	-0.142	-0.142
552545	11/1/2007 0:00	-0.151	-0.144
552546	11/2/2007 0:00	-0.143	-0.145
552547	11/3/2007 0:00	-0.132	-0.148
552548	11/4/2007 0:00	-0.144	-0.149
552549	11/5/2007 0:00	-0.155	-0.15
552550	11/6/2007 0:00	-0.17	-0.151
552551	11/7/2007 0:00	-0.182	-0.152
552552	11/8/2007 0:00	-0.162	-0.152
552553	11/9/2007 0:00	-0.155	-0.154
552554	11/10/2007 0:00	-0.137	-0.154
552555	11/11/2007 0:00	-0.152	-0.155
552556	11/12/2007 0:00	-0.152	-0.154
552557	11/13/2007 0:00	-0.147	-0.153
552558	11/14/2007 0:00	-0.139	-0.154
552559	11/15/2007 0:00	-0.141	-0.154
552560	11/16/2007 0:00	-0.16	-0.155
552561	11/17/2007 0:00	-0.173	-0.154
552562	11/18/2007 0:00	-0.172	-0.155
552563	11/19/2007 0:00	-0.149	-0.157
552564	11/20/2007 0:00	-0.153	-0.157
552565	11/21/2007 0:00	-0.167	-0.156
552566	11/22/2007 0:00	-0.179	-0.156
552567	11/23/2007 0:00	-0.15	-0.154
552568	11/24/2007 0:00	-0.171	-0.154
552569	11/25/2007 0:00	-0.148	-0.153
552570	11/26/2007 0:00	-0.166	-0.154
552571	11/27/2007 0:00	-0.134	-0.155

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552572	11/28/2007 0:00	-0.146	-0.155
552573	11/29/2007 0:00	-0.171	-0.155
552574	11/30/2007 0:00	-0.143	-0.155
552575	12/1/2007 0:00	-0.151	-0.155
552576	12/2/2007 0:00	-0.141	-0.155
552577	12/3/2007 0:00	-0.173	-0.154
552578	12/4/2007 0:00	-0.173	-0.153
552579	12/5/2007 0:00	-0.143	-0.152
552580	12/6/2007 0:00	-0.146	-0.151
552581	12/7/2007 0:00	-0.146	-0.151
552582	12/8/2007 0:00	-0.137	-0.151
552583	12/9/2007 0:00	-0.145	-0.151
552584	12/10/2007 0:00	-0.149	-0.15
552585	12/11/2007 0:00	-0.168	-0.149
552586	12/12/2007 0:00	-0.171	-0.148
552587	12/13/2007 0:00	-0.168	-0.149
552588	12/14/2007 0:00	-0.141	-0.149
552589	12/15/2007 0:00	-0.13	-0.148
552590	12/16/2007 0:00	-0.142	-0.148
552591	12/17/2007 0:00	-0.165	-0.148
552592	12/18/2007 0:00	-0.151	-0.148
552593	12/19/2007 0:00	-0.13	-0.147
552594	12/20/2007 0:00	-0.115	-0.146
552595	12/21/2007 0:00	-0.128	-0.146
552596	12/22/2007 0:00	-0.157	-0.147
552597	12/23/2007 0:00	-0.193	-0.146
552598	12/24/2007 0:00	-0.153	-0.146
552599	12/25/2007 0:00	-0.128	-0.146
552600	12/26/2007 0:00	-0.126	-0.147
552601	12/27/2007 0:00	-0.14	-0.146
552602	12/28/2007 0:00	-0.137	-0.145
552603	12/29/2007 0:00	-0.146	-0.145
552604	12/30/2007 0:00	-0.148	-0.146
552605	12/31/2007 0:00	-0.137	-0.146
552606	1/1/2008 0:00	-0.152	-0.147
552607	1/2/2008 0:00	-0.151	-0.146
552608	1/3/2008 0:00	-0.149	-0.146
552609	1/4/2008 0:00	-0.132	-0.147
552610	1/5/2008 0:00	-0.156	-0.149
552611	1/6/2008 0:00	-0.158	-0.149
552612	1/7/2008 0:00	-0.12	-0.149
552613	1/8/2008 0:00	-0.146	-0.149
552614	1/9/2008 0:00	-0.148	-0.149
552615	1/10/2008 0:00	-0.159	-0.151
552616	1/11/2008 0:00	-0.154	-0.152
552617	1/12/2008 0:00	-0.15	-0.152

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552618	1/13/2008 0:00	-0.164	-0.153
552619	1/14/2008 0:00	-0.157	-0.152
552620	1/15/2008 0:00	-0.143	-0.152
552621	1/16/2008 0:00	-0.15	-0.153
552622	1/17/2008 0:00	-0.147	-0.153
552623	1/18/2008 0:00	-0.16	-0.154
552624	1/19/2008 0:00	-0.157	-0.154
552625	1/20/2008 0:00	-0.16	-0.154
552626	1/21/2008 0:00	-0.132	-0.154
552627	1/22/2008 0:00	-0.182	-0.155
552628	1/23/2008 0:00	-0.181	-0.157
552629	1/24/2008 0:00	-0.162	-0.156
552630	1/25/2008 0:00	-0.191	-0.156
552631	1/26/2008 0:00	-0.153	-0.156
552632	1/27/2008 0:00	-0.146	-0.156
552633	1/28/2008 0:00	-0.138	-0.156
552634	1/29/2008 0:00	-0.14	-0.155
552635	1/30/2008 0:00	-0.143	-0.154
552636	1/31/2008 0:00	-0.167	-0.154
552637	2/1/2008 0:00	-0.162	-0.154
552638	2/2/2008 0:00	-0.168	-0.155
552639	2/3/2008 0:00	-0.139	-0.154
552640	2/4/2008 0:00	-0.156	-0.154
552641	2/5/2008 0:00	-0.156	-0.153
552642	2/6/2008 0:00	-0.172	-0.153
552643	2/7/2008 0:00	-0.169	-0.151
552644	2/8/2008 0:00	-0.139	-0.149
552645	2/9/2008 0:00	-0.152	-0.149
552646	2/10/2008 0:00	-0.14	-0.148
552647	2/11/2008 0:00	-0.156	-0.148
552648	2/12/2008 0:00	-0.15	-0.149
552649	2/13/2008 0:00	-0.132	-0.149
552650	2/14/2008 0:00	-0.138	-0.149
552651	2/15/2008 0:00	-0.147	-0.149
552652	2/16/2008 0:00	-0.146	-0.148
552653	2/17/2008 0:00	-0.161	-0.148
552654	2/18/2008 0:00	-0.132	-0.148
552655	2/19/2008 0:00	-0.162	-0.148
552656	2/20/2008 0:00	-0.144	-0.148
552657	2/21/2008 0:00	-0.119	-0.148
552658	2/22/2008 0:00	-0.132	-0.146
552659	2/23/2008 0:00	-0.121	-0.145
552660	2/24/2008 0:00	-0.159	-0.145
552661	2/25/2008 0:00	-0.14	-0.145
552662	2/26/2008 0:00	-0.165	-0.145
552663	2/27/2008 0:00	-0.175	-0.143

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552664	2/28/2008 0:00	-0.137	-0.143
552665	2/29/2008 0:00	-0.146	-0.143
552666	3/1/2008 0:00	-0.143	-0.142
552667	3/2/2008 0:00	-0.137	-0.142
552668	3/3/2008 0:00	-0.154	-0.141
552669	3/4/2008 0:00	-0.156	-0.14
552670	3/5/2008 0:00	-0.156	-0.14
552671	3/6/2008 0:00	-0.137	-0.14
552672	3/7/2008 0:00	-0.154	-0.14
552673	3/8/2008 0:00	-0.122	-0.141
552674	3/9/2008 0:00	-0.145	-0.141
552675	3/10/2008 0:00	-0.147	-0.142
552676	3/11/2008 0:00	-0.139	-0.141
552677	3/12/2008 0:00	-0.13	-0.141
552678	3/13/2008 0:00	-0.12	-0.141
552679	3/14/2008 0:00	-0.142	-0.139
552680	3/15/2008 0:00	-0.132	-0.14
552681	3/16/2008 0:00	-0.112	-0.139
552682	3/17/2008 0:00	-0.124	-0.138
552683	3/18/2008 0:00	-0.14	-0.138
552684	3/19/2008 0:00	-0.119	-0.137
552685	3/20/2008 0:00	-0.137	-0.137
552686	3/21/2008 0:00	-0.146	-0.136
552687	3/22/2008 0:00	-0.152	-0.135
552688	3/23/2008 0:00	-0.16	-0.135
552689	3/24/2008 0:00	-0.132	-0.135
552690	3/25/2008 0:00	-0.14	-0.134
552691	3/26/2008 0:00	-0.136	-0.133
552692	3/27/2008 0:00	-0.142	-0.133
552693	3/28/2008 0:00	-0.15	-0.133
552694	3/29/2008 0:00	-0.127	-0.134
552695	3/30/2008 0:00	-0.15	-0.134
552696	3/31/2008 0:00	-0.117	-0.133
552697	4/1/2008 0:00	-0.136	-0.133
552698	4/2/2008 0:00	-0.123	-0.133
552699	4/3/2008 0:00	-0.133	-0.133
552700	4/4/2008 0:00	-0.145	-0.133
552701	4/5/2008 0:00	-0.121	-0.133
552702	4/6/2008 0:00	-0.124	-0.132
552703	4/7/2008 0:00	-0.137	-0.132
552704	4/8/2008 0:00	-0.125	-0.132
552705	4/9/2008 0:00	-0.113	-0.132
552706	4/10/2008 0:00	-0.126	-0.132
552707	4/11/2008 0:00	-0.133	-0.131
552708	4/12/2008 0:00	-0.145	-0.131
552709	4/13/2008 0:00	-0.146	-0.131

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552710	4/14/2008 0:00	-0.122	-0.132
552711	4/15/2008 0:00	-0.116	-0.132
552712	4/16/2008 0:00	-0.112	-0.132
552713	4/17/2008 0:00	-0.126	-0.132
552714	4/18/2008 0:00	-0.129	-0.133
552715	4/19/2008 0:00	-0.118	-0.133
552716	4/20/2008 0:00	-0.132	-0.134
552717	4/21/2008 0:00	-0.119	-0.135
552718	4/22/2008 0:00	-0.143	-0.135
552719	4/23/2008 0:00	-0.162	-0.136
552720	4/24/2008 0:00	-0.137	-0.136
552721	4/25/2008 0:00	-0.139	-0.137
552722	4/26/2008 0:00	-0.12	-0.137
552723	4/27/2008 0:00	-0.148	-0.138
552724	4/28/2008 0:00	-0.147	-0.137
552725	4/29/2008 0:00	-0.144	-0.137
552726	4/30/2008 0:00	-0.137	-0.138
552727	5/1/2008 0:00	-0.147	-0.14
552728	5/2/2008 0:00	-0.132	-0.14
552729	5/3/2008 0:00	-0.149	-0.141
552730	5/4/2008 0:00	-0.14	-0.141
552731	5/5/2008 0:00	-0.158	-0.141
552732	5/6/2008 0:00	-0.154	-0.141
552733	5/7/2008 0:00	-0.137	-0.141
552734	5/8/2008 0:00	-0.153	-0.14
552735	5/9/2008 0:00	-0.128	-0.138
552736	5/10/2008 0:00	-0.134	-0.138
552737	5/11/2008 0:00	-0.145	-0.138
552738	5/12/2008 0:00	-0.147	-0.138
552739	5/13/2008 0:00	-0.131	-0.138
552740	5/14/2008 0:00	-0.151	-0.138
552741	5/15/2008 0:00	-0.154	-0.138
552742	5/16/2008 0:00	-0.158	-0.137
552743	5/17/2008 0:00	-0.131	-0.136
552744	5/18/2008 0:00	-0.139	-0.136
552745	5/19/2008 0:00	-0.137	-0.135
552746	5/20/2008 0:00	-0.126	-0.134
552747	5/21/2008 0:00	-0.123	-0.133
552748	5/22/2008 0:00	-0.113	-0.133
552749	5/23/2008 0:00	-0.104	-0.132
552750	5/24/2008 0:00	-0.123	-0.131
552751	5/25/2008 0:00	-0.127	-0.132
552752	5/26/2008 0:00	-0.13	-0.131
552753	5/27/2008 0:00	-0.142	-0.131
552754	5/28/2008 0:00	-0.139	-0.131
552755	5/29/2008 0:00	-0.147	-0.131

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552756	5/30/2008 0:00	-0.136	-0.131
552757	5/31/2008 0:00	-0.121	-0.131
552758	6/1/2008 0:00	-0.117	-0.13
552759	6/2/2008 0:00	-0.136	-0.13
552760	6/3/2008 0:00	-0.114	-0.13
552761	6/4/2008 0:00	-0.109	-0.13
552762	6/5/2008 0:00	-0.123	-0.131
552763	6/6/2008 0:00	-0.151	-0.131
552764	6/7/2008 0:00	-0.107	-0.132
552765	6/8/2008 0:00	-0.123	-0.133
552766	6/9/2008 0:00	-0.143	-0.133
552767	6/10/2008 0:00	-0.129	-0.134
552768	6/11/2008 0:00	-0.141	-0.133
552769	6/12/2008 0:00	-0.129	-0.134
552770	6/13/2008 0:00	-0.148	-0.134
552771	6/14/2008 0:00	-0.141	-0.135
552772	6/15/2008 0:00	-0.152	-0.135
552773	6/16/2008 0:00	-0.123	-0.136
552774	6/17/2008 0:00	-0.143	-0.136
552775	6/18/2008 0:00	-0.144	-0.136
552776	6/19/2008 0:00	-0.139	-0.137
552777	6/20/2008 0:00	-0.133	-0.138
552778	6/21/2008 0:00	-0.132	-0.138
552779	6/22/2008 0:00	-0.136	-0.137
552780	6/23/2008 0:00	-0.134	-0.137
552781	6/24/2008 0:00	-0.133	-0.138
552782	6/25/2008 0:00	-0.145	-0.138
552783	6/26/2008 0:00	-0.129	-0.138
552784	6/27/2008 0:00	-0.147	-0.138
552785	6/28/2008 0:00	-0.161	-0.138
552786	6/29/2008 0:00	-0.165	-0.138
552787	6/30/2008 0:00	-0.15	-0.138
552788	7/1/2008 0:00	-0.128	-0.138
552789	7/2/2008 0:00	-0.144	-0.138
552790	7/3/2008 0:00	-0.131	-0.138
552791	7/4/2008 0:00	-0.131	-0.136
552792	7/5/2008 0:00	-0.13	-0.135
552793	7/6/2008 0:00	-0.125	-0.135
552794	7/7/2008 0:00	-0.128	-0.135
552795	7/8/2008 0:00	-0.125	-0.134
552796	7/9/2008 0:00	-0.135	-0.135
552797	7/10/2008 0:00	-0.144	-0.135
552798	7/11/2008 0:00	-0.144	-0.135
552799	7/12/2008 0:00	-0.138	-0.135
552800	7/13/2008 0:00	-0.135	-0.134
552801	7/14/2008 0:00	-0.143	-0.132

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552802	7/15/2008 0:00	-0.143	-0.131
552803	7/16/2008 0:00	-0.144	-0.131
552804	7/17/2008 0:00	-0.127	-0.132
552805	7/18/2008 0:00	-0.122	-0.131
552806	7/19/2008 0:00	-0.1	-0.132
552807	7/20/2008 0:00	-0.113	-0.132
552808	7/21/2008 0:00	-0.111	-0.133
552809	7/22/2008 0:00	-0.14	-0.134
552810	7/23/2008 0:00	-0.125	-0.134
552811	7/24/2008 0:00	-0.148	-0.135
552812	7/25/2008 0:00	-0.136	-0.135
552813	7/26/2008 0:00	-0.155	-0.135
552814	7/27/2008 0:00	-0.125	-0.135
552815	7/28/2008 0:00	-0.109	-0.135
552816	7/29/2008 0:00	-0.112	-0.135
552817	7/30/2008 0:00	-0.134	-0.136
552818	7/31/2008 0:00	-0.141	-0.135
552819	8/1/2008 0:00	-0.143	-0.136
552820	8/2/2008 0:00	-0.139	-0.137
552821	8/3/2008 0:00	-0.133	-0.137
552822	8/4/2008 0:00	-0.138	-0.139
552823	8/5/2008 0:00	-0.16	-0.14
552824	8/6/2008 0:00	-0.153	-0.141
552825	8/7/2008 0:00	-0.141	-0.141
552826	8/8/2008 0:00	-0.14	-0.141
552827	8/9/2008 0:00	-0.151	-0.142
552828	8/10/2008 0:00	-0.14	-0.143
552829	8/11/2008 0:00	-0.144	-0.143
552830	8/12/2008 0:00	-0.143	-0.143
552831	8/13/2008 0:00	-0.141	-0.145
552832	8/14/2008 0:00	-0.153	-0.147
552833	8/15/2008 0:00	-0.132	-0.146
552834	8/16/2008 0:00	-0.158	-0.146
552835	8/17/2008 0:00	-0.157	-0.147
552836	8/18/2008 0:00	-0.145	-0.148
552837	8/19/2008 0:00	-0.158	-0.149
552838	8/20/2008 0:00	-0.139	-0.15
552839	8/21/2008 0:00	-0.124	-0.151
552840	8/22/2008 0:00	-0.147	-0.15
552841	8/23/2008 0:00	-0.145	-0.151
552842	8/24/2008 0:00	-0.172	-0.151
552843	8/25/2008 0:00	-0.146	-0.152
552844	8/26/2008 0:00	-0.174	-0.152
552845	8/27/2008 0:00	-0.135	-0.153
552846	8/28/2008 0:00	-0.15	-0.153
552847	8/29/2008 0:00	-0.177	-0.153

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552848	8/30/2008 0:00	-0.107	-0.153
552849	8/31/2008 0:00	-0.151	-0.154
552850	9/1/2008 0:00	-0.16	-0.154
552851	9/2/2008 0:00	-0.185	-0.155
552852	9/3/2008 0:00	-0.156	-0.156
552853	9/4/2008 0:00	-0.169	-0.155
552854	9/5/2008 0:00	-0.174	-0.155
552855	9/6/2008 0:00	-0.146	-0.156
552856	9/7/2008 0:00	-0.153	-0.156
552857	9/8/2008 0:00	-0.163	-0.156
552858	9/9/2008 0:00	-0.156	-0.155
552859	9/10/2008 0:00	-0.147	-0.155
552860	9/11/2008 0:00	-0.168	-0.154
552861	9/12/2008 0:00	-0.14	-0.156
552862	9/13/2008 0:00	-0.153	-0.156
552863	9/14/2008 0:00	-0.147	-0.155
552864	9/15/2008 0:00	-0.161	-0.157
552865	9/16/2008 0:00	-0.183	-0.157
552866	9/17/2008 0:00	-0.17	-0.157
552867	9/18/2008 0:00	-0.166	-0.157
552868	9/19/2008 0:00	-0.147	-0.156
552869	9/20/2008 0:00	-0.128	-0.156
552870	9/21/2008 0:00	-0.147	-0.156
552871	9/22/2008 0:00	-0.154	-0.157
552872	9/23/2008 0:00	-0.15	-0.157
552873	9/24/2008 0:00	-0.14	-0.157
552874	9/25/2008 0:00	-0.145	-0.158
552875	9/26/2008 0:00	-0.157	-0.159
552876	9/27/2008 0:00	-0.175	-0.159
552877	9/28/2008 0:00	-0.17	-0.161
552878	9/29/2008 0:00	-0.149	-0.161
552879	9/30/2008 0:00	-0.153	-0.161
552880	10/1/2008 0:00	-0.166	-0.162
552881	10/2/2008 0:00	-0.162	-0.162
552882	10/3/2008 0:00	-0.162	-0.162
552883	10/4/2008 0:00	-0.148	-0.163
552884	10/5/2008 0:00	-0.161	-0.163
552885	10/6/2008 0:00	-0.167	-0.164
552886	10/7/2008 0:00	-0.17	-0.165
552887	10/8/2008 0:00	-0.166	-0.165
552888	10/9/2008 0:00	-0.166	-0.165
552889	10/10/2008 0:00	-0.178	-0.166
552890	10/11/2008 0:00	-0.178	-0.167
552891	10/12/2008 0:00	-0.175	-0.169
552892	10/13/2008 0:00	-0.181	-0.17
552893	10/14/2008 0:00	-0.164	-0.17

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552894	10/15/2008 0:00	-0.165	-0.172
552895	10/16/2008 0:00	-0.166	-0.174
552896	10/17/2008 0:00	-0.183	-0.173
552897	10/18/2008 0:00	-0.188	-0.172
552898	10/19/2008 0:00	-0.178	-0.172
552899	10/20/2008 0:00	-0.173	-0.172
552900	10/21/2008 0:00	-0.151	-0.172
552901	10/22/2008 0:00	-0.161	-0.173
552902	10/23/2008 0:00	-0.177	-0.173
552903	10/24/2008 0:00	-0.155	-0.174
552904	10/25/2008 0:00	-0.158	-0.172
552905	10/26/2008 0:00	-0.181	-0.17
552906	10/27/2008 0:00	-0.208	-0.17
552907	10/28/2008 0:00	-0.201	-0.17
552908	10/29/2008 0:00	-0.185	-0.168
552909	10/30/2008 0:00	-0.214	-0.167
552910	10/31/2008 0:00	-0.208	-0.167
552911	11/1/2008 0:00	-0.142	-0.166
552912	11/2/2008 0:00	-0.132	-0.165
552913	11/3/2008 0:00	-0.158	-0.165
552914	11/4/2008 0:00	-0.138	-0.165
552915	11/5/2008 0:00	-0.165	-0.166
552916	11/6/2008 0:00	-0.201	-0.166
552917	11/7/2008 0:00	-0.182	-0.167
552918	11/8/2008 0:00	-0.17	-0.167
552919	11/9/2008 0:00	-0.11	-0.167
552920	11/10/2008 0:00	-0.135	-0.166
552921	11/11/2008 0:00	-0.155	-0.165
552922	11/12/2008 0:00	-0.172	-0.165
552923	11/13/2008 0:00	-0.124	-0.164
552924	11/14/2008 0:00	-0.134	-0.164
552925	11/15/2008 0:00	-0.159	-0.161
552926	11/16/2008 0:00	-0.149	-0.159
552927	11/17/2008 0:00	-0.163	-0.16
552928	11/18/2008 0:00	-0.177	-0.16
552929	11/19/2008 0:00	-0.185	-0.162
552930	11/20/2008 0:00	-0.188	-0.162
552931	11/21/2008 0:00	-0.17	-0.163
552932	11/22/2008 0:00	-0.173	-0.163
552933	11/23/2008 0:00	-0.173	-0.162
552934	11/24/2008 0:00	-0.165	-0.162
552935	11/25/2008 0:00	-0.143	-0.164
552936	11/26/2008 0:00	-0.15	-0.165
552937	11/27/2008 0:00	-0.197	-0.165
552938	11/28/2008 0:00	-0.164	-0.164
552939	11/29/2008 0:00	-0.176	-0.165

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552940	11/30/2008 0:00	-0.132	-0.165
552941	12/1/2008 0:00	-0.154	-0.166
552942	12/2/2008 0:00	-0.156	-0.166
552943	12/3/2008 0:00	-0.146	-0.166
552944	12/4/2008 0:00	-0.202	-0.166
552945	12/5/2008 0:00	-0.169	-0.166
552946	12/6/2008 0:00	-0.192	-0.166
552947	12/7/2008 0:00	-0.184	-0.165
552948	12/8/2008 0:00	-0.153	-0.165
552949	12/9/2008 0:00	-0.181	-0.165
552950	12/10/2008 0:00	-0.165	-0.165
552951	12/11/2008 0:00	-0.164	-0.165
552952	12/12/2008 0:00	-0.152	-0.165
552953	12/13/2008 0:00	-0.148	-0.165
552954	12/14/2008 0:00	-0.15	-0.164
552955	12/15/2008 0:00	-0.143	-0.165
552956	12/16/2008 0:00	-0.175	-0.167
552957	12/17/2008 0:00	-0.16	-0.168
552958	12/18/2008 0:00	-0.166	-0.168
552959	12/19/2008 0:00	-0.171	-0.167
552960	12/20/2008 0:00	-0.192	-0.167
552961	12/21/2008 0:00	-0.175	-0.167
552962	12/22/2008 0:00	-0.156	-0.165
552963	12/23/2008 0:00	-0.155	-0.163
552964	12/24/2008 0:00	-0.171	-0.164
552965	12/25/2008 0:00	-0.167	-0.164
552966	12/26/2008 0:00	-0.151	-0.165
552967	12/27/2008 0:00	-0.163	-0.166
552968	12/28/2008 0:00	-0.168	-0.167
552969	12/29/2008 0:00	-0.161	-0.168
552970	12/30/2008 0:00	-0.203	-0.169
552971	12/31/2008 0:00	-0.188	-0.171
552972	1/1/2009 0:00	-0.168	-0.171
552973	1/2/2009 0:00	-0.166	-0.172
552974	1/3/2009 0:00	-0.127	-0.172
552975	1/4/2009 0:00	-0.19	-0.172
552976	1/5/2009 0:00	-0.162	-0.171
552977	1/6/2009 0:00	-0.14	-0.17
552978	1/7/2009 0:00	-0.137	-0.171
552979	1/8/2009 0:00	-0.174	-0.172
552980	1/9/2009 0:00	-0.173	-0.172
552981	1/10/2009 0:00	-0.206	-0.173
552982	1/11/2009 0:00	-0.198	-0.173
552983	1/12/2009 0:00	-0.187	-0.173
552984	1/13/2009 0:00	-0.178	-0.173
552985	1/14/2009 0:00	-0.181	-0.173

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
552986	1/15/2009 0:00	-0.183	-0.172
552987	1/16/2009 0:00	-0.182	-0.171
552988	1/17/2009 0:00	-0.187	-0.17
552989	1/18/2009 0:00	-0.173	-0.17
552990	1/19/2009 0:00	-0.166	-0.172
552991	1/20/2009 0:00	-0.156	-0.171
552992	1/21/2009 0:00	-0.145	-0.172
552993	1/22/2009 0:00	-0.194	-0.173
552994	1/23/2009 0:00	-0.177	-0.173
552995	1/24/2009 0:00	-0.195	-0.173
552996	1/25/2009 0:00	-0.189	-0.172
552997	1/26/2009 0:00	-0.143	-0.171
552998	1/27/2009 0:00	-0.164	-0.17
552999	1/28/2009 0:00	-0.163	-0.17
553000	1/29/2009 0:00	-0.178	-0.17
553001	1/30/2009 0:00	-0.163	-0.169
553002	1/31/2009 0:00	-0.148	-0.168
553003	2/1/2009 0:00	-0.153	-0.167
553004	2/2/2009 0:00	-0.161	-0.166
553005	2/3/2009 0:00	-0.176	-0.166
553006	2/4/2009 0:00	-0.169	-0.165
553007	2/5/2009 0:00	-0.196	-0.166
553008	2/6/2009 0:00	-0.165	-0.167
553009	2/7/2009 0:00	-0.147	-0.167
553010	2/8/2009 0:00	-0.172	-0.167
553011	2/9/2009 0:00	-0.143	-0.166
553012	2/10/2009 0:00	-0.174	-0.165
553013	2/11/2009 0:00	-0.176	-0.167
553014	2/12/2009 0:00	-0.172	-0.167
553015	2/13/2009 0:00	-0.174	-0.167
553016	2/14/2009 0:00	-0.162	-0.167
553017	2/15/2009 0:00	-0.145	-0.168
553018	2/16/2009 0:00	-0.166	-0.168
553019	2/17/2009 0:00	-0.138	-0.168
553020	2/18/2009 0:00	-0.163	-0.169
553021	2/19/2009 0:00	-0.159	-0.168
553022	2/20/2009 0:00	-0.176	-0.168
553023	2/21/2009 0:00	-0.175	-0.167
553024	2/22/2009 0:00	-0.197	-0.167
553025	2/23/2009 0:00	-0.176	-0.167
553026	2/24/2009 0:00	-0.174	-0.167
553027	2/25/2009 0:00	-0.158	-0.168
553028	2/26/2009 0:00	-0.181	-0.168
553029	2/27/2009 0:00	-0.168	-0.167
553030	2/28/2009 0:00	-0.177	-0.167
553031	3/1/2009 0:00	-0.167	-0.167

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553032	3/2/2009 0:00	-0.186	-0.167
553033	3/3/2009 0:00	-0.169	-0.167
553034	3/4/2009 0:00	-0.151	-0.168
553035	3/5/2009 0:00	-0.171	-0.169
553036	3/6/2009 0:00	-0.165	-0.169
553037	3/7/2009 0:00	-0.166	-0.168
553038	3/8/2009 0:00	-0.162	-0.167
553039	3/9/2009 0:00	-0.162	-0.167
553040	3/10/2009 0:00	-0.151	-0.166
553041	3/11/2009 0:00	-0.162	-0.166
553042	3/12/2009 0:00	-0.171	-0.166
553043	3/13/2009 0:00	-0.173	-0.166
553044	3/14/2009 0:00	-0.161	-0.166
553045	3/15/2009 0:00	-0.157	-0.166
553046	3/16/2009 0:00	-0.181	-0.165
553047	3/17/2009 0:00	-0.162	-0.164
553048	3/18/2009 0:00	-0.161	-0.164
553049	3/19/2009 0:00	-0.18	-0.163
553050	3/20/2009 0:00	-0.162	-0.163
553051	3/21/2009 0:00	-0.164	-0.163
553052	3/22/2009 0:00	-0.144	-0.164
553053	3/23/2009 0:00	-0.154	-0.165
553054	3/24/2009 0:00	-0.156	-0.166
553055	3/25/2009 0:00	-0.17	-0.167
553056	3/26/2009 0:00	-0.19	-0.167
553057	3/27/2009 0:00	-0.156	-0.167
553058	3/28/2009 0:00	-0.166	-0.167
553059	3/29/2009 0:00	-0.166	-0.167
553060	3/30/2009 0:00	-0.168	-0.168
553061	3/31/2009 0:00	-0.167	-0.168
553062	4/1/2009 0:00	-0.144	-0.168
553063	4/2/2009 0:00	-0.16	-0.168
553064	4/3/2009 0:00	-0.143	-0.169
553065	4/4/2009 0:00	-0.163	-0.168
553066	4/5/2009 0:00	-0.182	-0.169
553067	4/6/2009 0:00	-0.172	-0.169
553068	4/7/2009 0:00	-0.198	-0.17
553069	4/8/2009 0:00	-0.197	-0.17
553070	4/9/2009 0:00	-0.183	-0.17
553071	4/10/2009 0:00	-0.168	-0.17
553072	4/11/2009 0:00	-0.15	-0.17
553073	4/12/2009 0:00	-0.187	-0.17
553074	4/13/2009 0:00	-0.176	-0.17
553075	4/14/2009 0:00	-0.172	-0.169
553076	4/15/2009 0:00	-0.155	-0.17
553077	4/16/2009 0:00	-0.182	-0.17

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553078	4/17/2009 0:00	-0.186	-0.17
553079	4/18/2009 0:00	-0.166	-0.171
553080	4/19/2009 0:00	-0.167	-0.17
553081	4/20/2009 0:00	-0.189	-0.169
553082	4/21/2009 0:00	-0.152	-0.169
553083	4/22/2009 0:00	-0.172	-0.169
553084	4/23/2009 0:00	-0.158	-0.168
553085	4/24/2009 0:00	-0.169	-0.167
553086	4/25/2009 0:00	-0.176	-0.166
553087	4/26/2009 0:00	-0.173	-0.165
553088	4/27/2009 0:00	-0.178	-0.166
553089	4/28/2009 0:00	-0.142	-0.164
553090	4/29/2009 0:00	-0.155	-0.163
553091	4/30/2009 0:00	-0.185	-0.162
553092	5/1/2009 0:00	-0.182	-0.163
553093	5/2/2009 0:00	-0.147	-0.162
553094	5/3/2009 0:00	-0.172	-0.162
553095	5/4/2009 0:00	-0.108	-0.163
553096	5/5/2009 0:00	-0.136	-0.163
553097	5/6/2009 0:00	-0.189	-0.162
553098	5/7/2009 0:00	-0.178	-0.162
553099	5/8/2009 0:00	-0.155	-0.162
553100	5/9/2009 0:00	-0.172	-0.162
553101	5/10/2009 0:00	-0.162	-0.162
553102	5/11/2009 0:00	-0.132	-0.161
553103	5/12/2009 0:00	-0.17	-0.16
553104	5/13/2009 0:00	-0.138	-0.159
553105	5/14/2009 0:00	-0.136	-0.16
553106	5/15/2009 0:00	-0.153	-0.159
553107	5/16/2009 0:00	-0.167	-0.159
553108	5/17/2009 0:00	-0.17	-0.158
553109	5/18/2009 0:00	-0.18	-0.159
553110	5/19/2009 0:00	-0.181	-0.159
553111	5/20/2009 0:00	-0.174	-0.16
553112	5/21/2009 0:00	-0.163	-0.16
553113	5/22/2009 0:00	-0.163	-0.158
553114	5/23/2009 0:00	-0.173	-0.158
553115	5/24/2009 0:00	-0.152	-0.158
553116	5/25/2009 0:00	-0.148	-0.157
553117	5/26/2009 0:00	-0.147	-0.157
553118	5/27/2009 0:00	-0.153	-0.158
553119	5/28/2009 0:00	-0.151	-0.157
553120	5/29/2009 0:00	-0.162	-0.158
553121	5/30/2009 0:00	-0.13	-0.159
553122	5/31/2009 0:00	-0.176	-0.159
553123	6/1/2009 0:00	-0.175	-0.158

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553124	6/2/2009 0:00	-0.164	-0.157
553125	6/3/2009 0:00	-0.158	-0.156
553126	6/4/2009 0:00	-0.144	-0.156
553127	6/5/2009 0:00	-0.143	-0.155
553128	6/6/2009 0:00	-0.141	-0.154
553129	6/7/2009 0:00	-0.155	-0.154
553130	6/8/2009 0:00	-0.158	-0.153
553131	6/9/2009 0:00	-0.151	-0.152
553132	6/10/2009 0:00	-0.155	-0.152
553133	6/11/2009 0:00	-0.153	-0.152
553134	6/12/2009 0:00	-0.154	-0.153
553135	6/13/2009 0:00	-0.168	-0.153
553136	6/14/2009 0:00	-0.165	-0.152
553137	6/15/2009 0:00	-0.151	-0.153
553138	6/16/2009 0:00	-0.136	-0.152
553139	6/17/2009 0:00	-0.153	-0.152
553140	6/18/2009 0:00	-0.151	-0.152
553141	6/19/2009 0:00	-0.165	-0.152
553142	6/20/2009 0:00	-0.157	-0.152
553143	6/21/2009 0:00	-0.138	-0.153
553144	6/22/2009 0:00	-0.141	-0.154
553145	6/23/2009 0:00	-0.145	-0.154
553146	6/24/2009 0:00	-0.117	-0.155
553147	6/25/2009 0:00	-0.143	-0.155
553148	6/26/2009 0:00	-0.165	-0.156
553149	6/27/2009 0:00	-0.178	-0.157
553150	6/28/2009 0:00	-0.158	-0.157
553151	6/29/2009 0:00	-0.13	-0.156
553152	6/30/2009 0:00	-0.162	-0.156
553153	7/1/2009 0:00	-0.153	-0.157
553154	7/2/2009 0:00	-0.17	-0.157
553155	7/3/2009 0:00	-0.155	-0.158
553156	7/4/2009 0:00	-0.16	-0.158
553157	7/5/2009 0:00	-0.149	-0.159
553158	7/6/2009 0:00	-0.16	-0.159
553159	7/7/2009 0:00	-0.167	-0.159
553160	7/8/2009 0:00	-0.154	-0.16
553161	7/9/2009 0:00	-0.186	-0.161
553162	7/10/2009 0:00	-0.158	-0.163
553163	7/11/2009 0:00	-0.181	-0.164
553164	7/12/2009 0:00	-0.182	-0.165
553165	7/13/2009 0:00	-0.167	-0.164
553166	7/14/2009 0:00	-0.15	-0.165
553167	7/15/2009 0:00	-0.167	-0.166
553168	7/16/2009 0:00	-0.156	-0.166
553169	7/17/2009 0:00	-0.154	-0.167

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553170	7/18/2009 0:00	-0.169	-0.167
553171	7/19/2009 0:00	-0.172	-0.168
553172	7/20/2009 0:00	-0.172	-0.169
553173	7/21/2009 0:00	-0.167	-0.17
553174	7/22/2009 0:00	-0.151	-0.171
553175	7/23/2009 0:00	-0.162	-0.172
553176	7/24/2009 0:00	-0.165	-0.173
553177	7/25/2009 0:00	-0.177	-0.173
553178	7/26/2009 0:00	-0.198	-0.174
553179	7/27/2009 0:00	-0.173	-0.173
553180	7/28/2009 0:00	-0.162	-0.173
553181	7/29/2009 0:00	-0.177	-0.174
553182	7/30/2009 0:00	-0.165	-0.175
553183	7/31/2009 0:00	-0.174	-0.175
553184	8/1/2009 0:00	-0.165	-0.175
553185	8/2/2009 0:00	-0.181	-0.176
553186	8/3/2009 0:00	-0.177	-0.176
553187	8/4/2009 0:00	-0.186	-0.176
553188	8/5/2009 0:00	-0.193	-0.177
553189	8/6/2009 0:00	-0.185	-0.178
553190	8/7/2009 0:00	-0.203	-0.178
553191	8/8/2009 0:00	-0.189	-0.179
553192	8/9/2009 0:00	-0.188	-0.18
553193	8/10/2009 0:00	-0.188	-0.18
553194	8/11/2009 0:00	-0.157	-0.179
553195	8/12/2009 0:00	-0.183	-0.18
553196	8/13/2009 0:00	-0.176	-0.18
553197	8/14/2009 0:00	-0.18	-0.18
553198	8/15/2009 0:00	-0.173	-0.18
553199	8/16/2009 0:00	-0.174	-0.181
553200	8/17/2009 0:00	-0.161	-0.181
553201	8/18/2009 0:00	-0.179	-0.181
553202	8/19/2009 0:00	-0.181	-0.181
553203	8/20/2009 0:00	-0.189	-0.18
553204	8/21/2009 0:00	-0.192	-0.18
553205	8/22/2009 0:00	-0.177	-0.179
553206	8/23/2009 0:00	-0.188	-0.178
553207	8/24/2009 0:00	-0.184	-0.177
553208	8/25/2009 0:00	-0.173	-0.177
553209	8/26/2009 0:00	-0.189	-0.177
553210	8/27/2009 0:00	-0.179	-0.178
553211	8/28/2009 0:00	-0.184	-0.178
553212	8/29/2009 0:00	-0.169	-0.178
553213	8/30/2009 0:00	-0.173	-0.178
553214	8/31/2009 0:00	-0.194	-0.178
553215	9/1/2009 0:00	-0.162	-0.179

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553216	9/2/2009 0:00	-0.175	-0.179
553217	9/3/2009 0:00	-0.175	-0.179
553218	9/4/2009 0:00	-0.175	-0.178
553219	9/5/2009 0:00	-0.178	-0.178
553220	9/6/2009 0:00	-0.174	-0.178
553221	9/7/2009 0:00	-0.17	-0.178
553222	9/8/2009 0:00	-0.152	-0.179
553223	9/9/2009 0:00	-0.184	-0.179
553224	9/10/2009 0:00	-0.189	-0.179
553225	9/11/2009 0:00	-0.184	-0.178
553226	9/12/2009 0:00	-0.184	-0.178
553227	9/13/2009 0:00	-0.178	-0.177
553228	9/14/2009 0:00	-0.184	-0.177
553229	9/15/2009 0:00	-0.182	-0.177
553230	9/16/2009 0:00	-0.182	-0.177
553231	9/17/2009 0:00	-0.182	-0.178
553232	9/18/2009 0:00	-0.156	-0.179
553233	9/19/2009 0:00	-0.168	-0.179
553234	9/20/2009 0:00	-0.189	-0.18
553235	9/21/2009 0:00	-0.181	-0.18
553236	9/22/2009 0:00	-0.192	-0.18
553237	9/23/2009 0:00	-0.213	-0.181
553238	9/24/2009 0:00	-0.177	-0.182
553239	9/25/2009 0:00	-0.168	-0.182
553240	9/26/2009 0:00	-0.174	-0.182
553241	9/27/2009 0:00	-0.166	-0.181
553242	9/28/2009 0:00	-0.147	-0.181
553243	9/29/2009 0:00	-0.179	-0.181
553244	9/30/2009 0:00	-0.185	-0.18
553245	10/1/2009 0:00	-0.17	-0.181
553246	10/2/2009 0:00	-0.206	-0.181
553247	10/3/2009 0:00	-0.19	-0.181
553248	10/4/2009 0:00	-0.185	-0.182
553249	10/5/2009 0:00	-0.203	-0.183
553250	10/6/2009 0:00	-0.18	-0.182
553251	10/7/2009 0:00	-0.189	-0.181
553252	10/8/2009 0:00	-0.18	-0.181
553253	10/9/2009 0:00	-0.207	-0.179
553254	10/10/2009 0:00	-0.18	-0.178
553255	10/11/2009 0:00	-0.17	-0.178
553256	10/12/2009 0:00	-0.18	-0.178
553257	10/13/2009 0:00	-0.183	-0.177
553258	10/14/2009 0:00	-0.171	-0.177
553259	10/15/2009 0:00	-0.16	-0.177
553260	10/16/2009 0:00	-0.205	-0.177
553261	10/17/2009 0:00	-0.18	-0.177

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553262	10/18/2009 0:00	-0.188	-0.176
553263	10/19/2009 0:00	-0.183	-0.175
553264	10/20/2009 0:00	-0.18	-0.175
553265	10/21/2009 0:00	-0.173	-0.174
553266	10/22/2009 0:00	-0.147	-0.173
553267	10/23/2009 0:00	-0.192	-0.173
553268	10/24/2009 0:00	-0.156	-0.173
553269	10/25/2009 0:00	-0.153	-0.172
553270	10/26/2009 0:00	-0.162	-0.172
553271	10/27/2009 0:00	-0.157	-0.172
553272	10/28/2009 0:00	-0.142	-0.17
553273	10/29/2009 0:00	-0.148	-0.17
553274	10/30/2009 0:00	-0.187	-0.17
553275	10/31/2009 0:00	-0.18	-0.171
553276	11/1/2009 0:00	-0.158	-0.17
553277	11/2/2009 0:00	-0.172	-0.17
553278	11/3/2009 0:00	-0.169	-0.168
553279	11/4/2009 0:00	-0.179	-0.168
553280	11/5/2009 0:00	-0.177	-0.168
553281	11/6/2009 0:00	-0.166	-0.167
553282	11/7/2009 0:00	-0.175	-0.168
553283	11/8/2009 0:00	-0.179	-0.168
553284	11/9/2009 0:00	-0.173	-0.169
553285	11/10/2009 0:00	-0.177	-0.17
553286	11/11/2009 0:00	-0.172	-0.171
553287	11/12/2009 0:00	-0.139	-0.172
553288	11/13/2009 0:00	-0.168	-0.173
553289	11/14/2009 0:00	-0.175	-0.174
553290	11/15/2009 0:00	-0.192	-0.173
553291	11/16/2009 0:00	-0.177	-0.173
553292	11/17/2009 0:00	-0.165	-0.174
553293	11/18/2009 0:00	-0.148	-0.174
553294	11/19/2009 0:00	-0.179	-0.174
553295	11/20/2009 0:00	-0.165	-0.173
553296	11/21/2009 0:00	-0.152	-0.173
553297	11/22/2009 0:00	-0.174	-0.173
553298	11/23/2009 0:00	-0.174	-0.172
553299	11/24/2009 0:00	-0.204	-0.171
553300	11/25/2009 0:00	-0.189	-0.171
553301	11/26/2009 0:00	-0.176	-0.17
553302	11/27/2009 0:00	-0.188	-0.171
553303	11/28/2009 0:00	-0.174	-0.172
553304	11/29/2009 0:00	-0.177	-0.173
553305	11/30/2009 0:00	-0.174	-0.173
553306	12/1/2009 0:00	-0.181	-0.174
553307	12/2/2009 0:00	-0.175	-0.174

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553308	12/3/2009 0:00	-0.164	-0.174
553309	12/4/2009 0:00	-0.178	-0.176
553310	12/5/2009 0:00	-0.166	-0.176
553311	12/6/2009 0:00	-0.166	-0.178
553312	12/7/2009 0:00	-0.152	-0.177
553313	12/8/2009 0:00	-0.161	-0.178
553314	12/9/2009 0:00	-0.157	-0.179
553315	12/10/2009 0:00	-0.157	-0.178
553316	12/11/2009 0:00	-0.143	-0.178
553317	12/12/2009 0:00	-0.196	-0.179
553318	12/13/2009 0:00	-0.199	-0.18
553319	12/14/2009 0:00	-0.174	-0.181
553320	12/15/2009 0:00	-0.2	-0.182
553321	12/16/2009 0:00	-0.212	-0.183
553322	12/17/2009 0:00	-0.17	-0.185
553323	12/18/2009 0:00	-0.175	-0.185
553324	12/19/2009 0:00	-0.194	-0.187
553325	12/20/2009 0:00	-0.193	-0.187
553326	12/21/2009 0:00	-0.216	-0.188
553327	12/22/2009 0:00	-0.131	-0.189
553328	12/23/2009 0:00	-0.193	-0.191
553329	12/24/2009 0:00	-0.209	-0.192
553330	12/25/2009 0:00	-0.18	-0.194
553331	12/26/2009 0:00	-0.2	-0.195
553332	12/27/2009 0:00	-0.199	-0.198
553333	12/28/2009 0:00	-0.207	-0.198
553334	12/29/2009 0:00	-0.201	-0.197
553335	12/30/2009 0:00	-0.208	-0.197
553336	12/31/2009 0:00	-0.217	-0.197
553337	1/1/2010 0:00	-0.242	-0.196
553338	1/2/2010 0:00	-0.188	-0.197
553339	1/3/2010 0:00	-0.202	-0.196
553340	1/4/2010 0:00	-0.193	-0.194
553341	1/5/2010 0:00	-0.19	-0.193
553342	1/6/2010 0:00	-0.206	-0.191
553343	1/7/2010 0:00	-0.209	-0.192
553344	1/8/2010 0:00	-0.189	-0.192
553345	1/9/2010 0:00	-0.218	-0.192
553346	1/10/2010 0:00	-0.198	-0.193
553347	1/11/2010 0:00	-0.213	-0.193
553348	1/12/2010 0:00	-0.206	-0.193
553349	1/13/2010 0:00	-0.162	-0.193
553350	1/14/2010 0:00	-0.179	-0.193
553351	1/15/2010 0:00	-0.204	-0.193
553352	1/16/2010 0:00	-0.194	-0.192
553353	1/17/2010 0:00	-0.178	-0.19

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553354	1/18/2010 0:00	-0.16	-0.189
553355	1/19/2010 0:00	-0.131	-0.188
553356	1/20/2010 0:00	-0.163	-0.187
553357	1/21/2010 0:00	-0.164	-0.186
553358	1/22/2010 0:00	-0.159	-0.186
553359	1/23/2010 0:00	-0.197	-0.184
553360	1/24/2010 0:00	-0.208	-0.183
553361	1/25/2010 0:00	-0.193	-0.181
553362	1/26/2010 0:00	-0.197	-0.18
553363	1/27/2010 0:00	-0.2	-0.179
553364	1/28/2010 0:00	-0.214	-0.178
553365	1/29/2010 0:00	-0.199	-0.179
553366	1/30/2010 0:00	-0.205	-0.179
553367	1/31/2010 0:00	-0.189	-0.178
553368	2/1/2010 0:00	-0.184	-0.177
553369	2/2/2010 0:00	-0.155	-0.177
553370	2/3/2010 0:00	-0.17	-0.177
553371	2/4/2010 0:00	-0.16	-0.18
553372	2/5/2010 0:00	-0.168	-0.181
553373	2/6/2010 0:00	-0.182	-0.18
553374	2/7/2010 0:00	-0.156	-0.18
553375	2/8/2010 0:00	-0.176	-0.179
553376	2/9/2010 0:00	-0.139	-0.178
553377	2/10/2010 0:00	-0.178	-0.177
553378	2/11/2010 0:00	-0.188	-0.177
553379	2/12/2010 0:00	-0.161	-0.176
553380	2/13/2010 0:00	-0.182	-0.175
553381	2/14/2010 0:00	-0.185	-0.174
553382	2/15/2010 0:00	-0.178	-0.174
553383	2/16/2010 0:00	-0.167	-0.173
553384	2/17/2010 0:00	-0.178	-0.172
553385	2/18/2010 0:00	-0.172	-0.172
553386	2/19/2010 0:00	-0.21	-0.172
553387	2/20/2010 0:00	-0.184	-0.172
553388	2/21/2010 0:00	-0.148	-0.172
553389	2/22/2010 0:00	-0.156	-0.173
553390	2/23/2010 0:00	-0.177	-0.174
553391	2/24/2010 0:00	-0.165	-0.173
553392	2/25/2010 0:00	-0.16	-0.174
553393	2/26/2010 0:00	-0.188	-0.173
553394	2/27/2010 0:00	-0.183	-0.172
553395	2/28/2010 0:00	-0.169	-0.172
553396	3/1/2010 0:00	-0.18	-0.172
553397	3/2/2010 0:00	-0.198	-0.172
553398	3/3/2010 0:00	-0.169	-0.171
553399	3/4/2010 0:00	-0.155	-0.171

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553400	3/5/2010 0:00	-0.153	-0.17
553401	3/6/2010 0:00	-0.172	-0.17
553402	3/7/2010 0:00	-0.171	-0.169
553403	3/8/2010 0:00	-0.16	-0.169
553404	3/9/2010 0:00	-0.206	-0.17
553405	3/10/2010 0:00	-0.187	-0.169
553406	3/11/2010 0:00	-0.157	-0.169
553407	3/12/2010 0:00	-0.155	-0.168
553408	3/13/2010 0:00	-0.154	-0.168
553409	3/14/2010 0:00	-0.148	-0.167
553410	3/15/2010 0:00	-0.173	-0.166
553411	3/16/2010 0:00	-0.159	-0.166
553412	3/17/2010 0:00	-0.195	-0.165
553413	3/18/2010 0:00	-0.156	-0.164
553414	3/19/2010 0:00	-0.151	-0.163
553415	3/20/2010 0:00	-0.172	-0.163
553416	3/21/2010 0:00	-0.174	-0.163
553417	3/22/2010 0:00	-0.177	-0.162
553418	3/23/2010 0:00	-0.173	-0.162
553419	3/24/2010 0:00	-0.176	-0.162
553420	3/25/2010 0:00	-0.137	-0.161
553421	3/26/2010 0:00	-0.159	-0.16
553422	3/27/2010 0:00	-0.137	-0.161
553423	3/28/2010 0:00	-0.174	-0.162
553424	3/29/2010 0:00	-0.158	-0.162
553425	3/30/2010 0:00	-0.138	-0.163
553426	3/31/2010 0:00	-0.163	-0.163
553427	4/1/2010 0:00	-0.15	-0.164
553428	4/2/2010 0:00	-0.185	-0.163
553429	4/3/2010 0:00	-0.141	-0.163
553430	4/4/2010 0:00	-0.13	-0.164
553431	4/5/2010 0:00	-0.151	-0.164
553432	4/6/2010 0:00	-0.162	-0.164
553433	4/7/2010 0:00	-0.161	-0.163
553434	4/8/2010 0:00	-0.158	-0.163
553435	4/9/2010 0:00	-0.185	-0.162
553436	4/10/2010 0:00	-0.15	-0.163
553437	4/11/2010 0:00	-0.19	-0.164
553438	4/12/2010 0:00	-0.169	-0.166
553439	4/13/2010 0:00	-0.169	-0.164
553440	4/14/2010 0:00	-0.18	-0.165
553441	4/15/2010 0:00	-0.176	-0.165
553442	4/16/2010 0:00	-0.177	-0.165
553443	4/17/2010 0:00	-0.158	-0.165
553444	4/18/2010 0:00	-0.178	-0.165
553445	4/19/2010 0:00	-0.187	-0.166

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553446	4/20/2010 0:00	-0.172	-0.167
553447	4/21/2010 0:00	-0.156	-0.166
553448	4/22/2010 0:00	-0.136	-0.166
553449	4/23/2010 0:00	-0.177	-0.165
553450	4/24/2010 0:00	-0.161	-0.165
553451	4/25/2010 0:00	-0.178	-0.163
553452	4/26/2010 0:00	-0.18	-0.163
553453	4/27/2010 0:00	-0.185	-0.161
553454	4/28/2010 0:00	-0.135	-0.16
553455	4/29/2010 0:00	-0.173	-0.16
553456	4/30/2010 0:00	-0.129	-0.158
553457	5/1/2010 0:00	-0.171	-0.157
553458	5/2/2010 0:00	-0.153	-0.156
553459	5/3/2010 0:00	-0.178	-0.156
553460	5/4/2010 0:00	-0.174	-0.155
553461	5/5/2010 0:00	-0.157	-0.154
553462	5/6/2010 0:00	-0.144	-0.154
553463	5/7/2010 0:00	-0.136	-0.153
553464	5/8/2010 0:00	-0.152	-0.152
553465	5/9/2010 0:00	-0.151	-0.152
553466	5/10/2010 0:00	-0.13	-0.152
553467	5/11/2010 0:00	-0.128	-0.152
553468	5/12/2010 0:00	-0.139	-0.149
553469	5/13/2010 0:00	-0.147	-0.149
553470	5/14/2010 0:00	-0.153	-0.149
553471	5/15/2010 0:00	-0.119	-0.149
553472	5/16/2010 0:00	-0.147	-0.15
553473	5/17/2010 0:00	-0.163	-0.149
553474	5/18/2010 0:00	-0.154	-0.149
553475	5/19/2010 0:00	-0.154	-0.148
553476	5/20/2010 0:00	-0.149	-0.147
553477	5/21/2010 0:00	-0.166	-0.147
553478	5/22/2010 0:00	-0.112	-0.149
553479	5/23/2010 0:00	-0.13	-0.149
553480	5/24/2010 0:00	-0.176	-0.149
553481	5/25/2010 0:00	-0.162	-0.148
553482	5/26/2010 0:00	-0.151	-0.147
553483	5/27/2010 0:00	-0.112	-0.147
553484	5/28/2010 0:00	-0.158	-0.147
553485	5/29/2010 0:00	-0.155	-0.148
553486	5/30/2010 0:00	-0.18	-0.148
553487	5/31/2010 0:00	-0.143	-0.148
553488	6/1/2010 0:00	-0.134	-0.148
553489	6/2/2010 0:00	-0.164	-0.147
553490	6/3/2010 0:00	-0.149	-0.147
553491	6/4/2010 0:00	-0.14	-0.147

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553492	6/5/2010 0:00	-0.171	-0.147
553493	6/6/2010 0:00	-0.177	-0.147
553494	6/7/2010 0:00	-0.157	-0.148
553495	6/8/2010 0:00	-0.139	-0.15
553496	6/9/2010 0:00	-0.14	-0.149
553497	6/10/2010 0:00	-0.088	-0.149
553498	6/11/2010 0:00	-0.129	-0.148
553499	6/12/2010 0:00	-0.15	-0.148
553500	6/13/2010 0:00	-0.166	-0.148
553501	6/14/2010 0:00	-0.155	-0.147
553502	6/15/2010 0:00	-0.119	-0.145
553503	6/16/2010 0:00	-0.138	-0.145
553504	6/17/2010 0:00	-0.145	-0.145
553505	6/18/2010 0:00	-0.153	-0.145
553506	6/19/2010 0:00	-0.158	-0.145
553507	6/20/2010 0:00	-0.149	-0.144
553508	6/21/2010 0:00	-0.162	-0.143
553509	6/22/2010 0:00	-0.147	-0.141
553510	6/23/2010 0:00	-0.171	-0.141
553511	6/24/2010 0:00	-0.158	-0.141
553512	6/25/2010 0:00	-0.148	-0.141
553513	6/26/2010 0:00	-0.118	-0.142
553514	6/27/2010 0:00	-0.134	-0.142
553515	6/28/2010 0:00	-0.153	-0.142
553516	6/29/2010 0:00	-0.132	-0.142
553517	6/30/2010 0:00	-0.113	-0.142
553518	7/1/2010 0:00	-0.128	-0.142
553519	7/2/2010 0:00	-0.151	-0.142
553520	7/3/2010 0:00	-0.145	-0.144
553521	7/4/2010 0:00	-0.154	-0.144
553522	7/5/2010 0:00	-0.112	-0.144
553523	7/6/2010 0:00	-0.129	-0.144
553524	7/7/2010 0:00	-0.127	-0.144
553525	7/8/2010 0:00	-0.172	-0.145
553526	7/9/2010 0:00	-0.13	-0.145
553527	7/10/2010 0:00	-0.129	-0.145
553528	7/11/2010 0:00	-0.133	-0.146
553529	7/12/2010 0:00	-0.12	-0.147
553530	7/13/2010 0:00	-0.159	-0.148
553531	7/14/2010 0:00	-0.144	-0.149
553532	7/15/2010 0:00	-0.161	-0.15
553533	7/16/2010 0:00	-0.128	-0.151
553534	7/17/2010 0:00	-0.153	-0.152
553535	7/18/2010 0:00	-0.183	-0.152
553536	7/19/2010 0:00	-0.167	-0.154
553537	7/20/2010 0:00	-0.139	-0.154

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553538	7/21/2010 0:00	-0.167	-0.157
553539	7/22/2010 0:00	-0.162	-0.158
553540	7/23/2010 0:00	-0.16	-0.159
553541	7/24/2010 0:00	-0.173	-0.158
553542	7/25/2010 0:00	-0.169	-0.159
553543	7/26/2010 0:00	-0.167	-0.16
553544	7/27/2010 0:00	-0.156	-0.161
553545	7/28/2010 0:00	-0.174	-0.163
553546	7/29/2010 0:00	-0.174	-0.163
553547	7/30/2010 0:00	-0.179	-0.164
553548	7/31/2010 0:00	-0.147	-0.164
553549	8/1/2010 0:00	-0.138	-0.165
553550	8/2/2010 0:00	-0.174	-0.165
553551	8/3/2010 0:00	-0.197	-0.165
553552	8/4/2010 0:00	-0.165	-0.164
553553	8/5/2010 0:00	-0.189	-0.164
553554	8/6/2010 0:00	-0.155	-0.163
553555	8/7/2010 0:00	-0.164	-0.163
553556	8/8/2010 0:00	-0.148	-0.164
553557	8/9/2010 0:00	-0.151	-0.164
553558	8/10/2010 0:00	-0.159	-0.163
553559	8/11/2010 0:00	-0.167	-0.164
553560	8/12/2010 0:00	-0.186	-0.164
553561	8/13/2010 0:00	-0.167	-0.163
553562	8/14/2010 0:00	-0.165	-0.163
553563	8/15/2010 0:00	-0.147	-0.161
553564	8/16/2010 0:00	-0.177	-0.16
553565	8/17/2010 0:00	-0.163	-0.161
553566	8/18/2010 0:00	-0.165	-0.161
553567	8/19/2010 0:00	-0.147	-0.16
553568	8/20/2010 0:00	-0.131	-0.161
553569	8/21/2010 0:00	-0.143	-0.16
553570	8/22/2010 0:00	-0.146	-0.16
553571	8/23/2010 0:00	-0.185	-0.16
553572	8/24/2010 0:00	-0.189	-0.161
553573	8/25/2010 0:00	-0.145	-0.161
553574	8/26/2010 0:00	-0.18	-0.162
553575	8/27/2010 0:00	-0.166	-0.163
553576	8/28/2010 0:00	-0.149	-0.164
553577	8/29/2010 0:00	-0.158	-0.164
553578	8/30/2010 0:00	-0.132	-0.165
553579	8/31/2010 0:00	-0.126	-0.166
553580	9/1/2010 0:00	-0.152	-0.166
553581	9/2/2010 0:00	-0.168	-0.166
553582	9/3/2010 0:00	-0.189	-0.167
553583	9/4/2010 0:00	-0.17	-0.168

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553584	9/5/2010 0:00	-0.167	-0.169
553585	9/6/2010 0:00	-0.162	-0.169
553586	9/7/2010 0:00	-0.159	-0.171
553587	9/8/2010 0:00	-0.179	-0.17
553588	9/9/2010 0:00	-0.167	-0.171
553589	9/10/2010 0:00	-0.182	-0.172
553590	9/11/2010 0:00	-0.199	-0.172
553591	9/12/2010 0:00	-0.195	-0.173
553592	9/13/2010 0:00	-0.175	-0.173
553593	9/14/2010 0:00	-0.185	-0.174
553594	9/15/2010 0:00	-0.178	-0.176
553595	9/16/2010 0:00	-0.188	-0.178
553596	9/17/2010 0:00	-0.173	-0.18
553597	9/18/2010 0:00	-0.195	-0.182
553598	9/19/2010 0:00	-0.175	-0.182
553599	9/20/2010 0:00	-0.156	-0.183
553600	9/21/2010 0:00	-0.158	-0.186
553601	9/22/2010 0:00	-0.21	-0.188
553602	9/23/2010 0:00	-0.152	-0.19
553603	9/24/2010 0:00	-0.201	-0.191
553604	9/25/2010 0:00	-0.188	-0.192
553605	9/26/2010 0:00	-0.187	-0.193
553606	9/27/2010 0:00	-0.176	-0.193
553607	9/28/2010 0:00	-0.172	-0.192
553608	9/29/2010 0:00	-0.185	-0.194
553609	9/30/2010 0:00	-0.191	-0.195
553610	10/1/2010 0:00	-0.18	-0.195
553611	10/2/2010 0:00	-0.203	-0.195
553612	10/3/2010 0:00	-0.232	-0.196
553613	10/4/2010 0:00	-0.195	-0.197
553614	10/5/2010 0:00	-0.22	-0.197
553615	10/6/2010 0:00	-0.233	-0.199
553616	10/7/2010 0:00	-0.23	-0.2
553617	10/8/2010 0:00	-0.221	-0.199
553618	10/9/2010 0:00	-0.212	-0.2
553619	10/10/2010 0:00	-0.2	-0.199
553620	10/11/2010 0:00	-0.207	-0.199
553621	10/12/2010 0:00	-0.195	-0.199
553622	10/13/2010 0:00	-0.188	-0.2
553623	10/14/2010 0:00	-0.222	-0.202
553624	10/15/2010 0:00	-0.211	-0.204
553625	10/16/2010 0:00	-0.2	-0.205
553626	10/17/2010 0:00	-0.177	-0.206
553627	10/18/2010 0:00	-0.202	-0.208
553628	10/19/2010 0:00	-0.222	-0.207
553629	10/20/2010 0:00	-0.184	-0.208

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553630	10/21/2010 0:00	-0.205	-0.208
553631	10/22/2010 0:00	-0.203	-0.207
553632	10/23/2010 0:00	-0.174	-0.207
553633	10/24/2010 0:00	-0.191	-0.206
553634	10/25/2010 0:00	-0.177	-0.206
553635	10/26/2010 0:00	-0.16	-0.206
553636	10/27/2010 0:00	-0.196	-0.206
553637	10/28/2010 0:00	-0.223	-0.206
553638	10/29/2010 0:00	-0.227	-0.208
553639	10/30/2010 0:00	-0.226	-0.208
553640	10/31/2010 0:00	-0.24	-0.208
553641	11/1/2010 0:00	-0.207	-0.208
553642	11/2/2010 0:00	-0.252	-0.209
553643	11/3/2010 0:00	-0.227	-0.21
553644	11/4/2010 0:00	-0.21	-0.209
553645	11/5/2010 0:00	-0.222	-0.209
553646	11/6/2010 0:00	-0.212	-0.21
553647	11/7/2010 0:00	-0.209	-0.21
553648	11/8/2010 0:00	-0.206	-0.211
553649	11/9/2010 0:00	-0.199	-0.212
553650	11/10/2010 0:00	-0.212	-0.212
553651	11/11/2010 0:00	-0.194	-0.214
553652	11/12/2010 0:00	-0.215	-0.215
553653	11/13/2010 0:00	-0.237	-0.215
553654	11/14/2010 0:00	-0.224	-0.214
553655	11/15/2010 0:00	-0.208	-0.214
553656	11/16/2010 0:00	-0.205	-0.213
553657	11/17/2010 0:00	-0.208	-0.213
553658	11/18/2010 0:00	-0.243	-0.211
553659	11/19/2010 0:00	-0.194	-0.211
553660	11/20/2010 0:00	-0.177	-0.212
553661	11/21/2010 0:00	-0.227	-0.212
553662	11/22/2010 0:00	-0.199	-0.213
553663	11/23/2010 0:00	-0.215	-0.213
553664	11/24/2010 0:00	-0.213	-0.213
553665	11/25/2010 0:00	-0.193	-0.213
553666	11/26/2010 0:00	-0.21	-0.213
553667	11/27/2010 0:00	-0.231	-0.213
553668	11/28/2010 0:00	-0.212	-0.212
553669	11/29/2010 0:00	-0.214	-0.21
553670	11/30/2010 0:00	-0.213	-0.209
553671	12/1/2010 0:00	-0.199	-0.209
553672	12/2/2010 0:00	-0.223	-0.209
553673	12/3/2010 0:00	-0.203	-0.209
553674	12/4/2010 0:00	-0.217	-0.209
553675	12/5/2010 0:00	-0.224	-0.209

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553676	12/6/2010 0:00	-0.223	-0.21
553677	12/7/2010 0:00	-0.243	-0.208
553678	12/8/2010 0:00	-0.224	-0.208
553679	12/9/2010 0:00	-0.198	-0.207
553680	12/10/2010 0:00	-0.205	-0.207
553681	12/11/2010 0:00	-0.199	-0.208
553682	12/12/2010 0:00	-0.212	-0.207
553683	12/13/2010 0:00	-0.185	-0.207
553684	12/14/2010 0:00	-0.178	-0.206
553685	12/15/2010 0:00	-0.183	-0.206
553686	12/16/2010 0:00	-0.217	-0.205
553687	12/17/2010 0:00	-0.18	-0.206
553688	12/18/2010 0:00	-0.229	-0.206
553689	12/19/2010 0:00	-0.222	-0.206
553690	12/20/2010 0:00	-0.206	-0.206
553691	12/21/2010 0:00	-0.2	-0.205
553692	12/22/2010 0:00	-0.182	-0.205
553693	12/23/2010 0:00	-0.196	-0.204
553694	12/24/2010 0:00	-0.178	-0.203
553695	12/25/2010 0:00	-0.223	-0.202
553696	12/26/2010 0:00	-0.213	-0.202
553697	12/27/2010 0:00	-0.189	-0.202
553698	12/28/2010 0:00	-0.228	-0.202
553699	12/29/2010 0:00	-0.188	-0.202
553700	12/30/2010 0:00	-0.204	-0.203
553701	12/31/2010 0:00	-0.192	-0.204
553702	1/1/2011 0:00	-0.219	-0.202
553703	1/2/2011 0:00	-0.222	-0.203
553704	1/3/2011 0:00	-0.205	-0.201
553705	1/4/2011 0:00	-0.207	-0.2
553706	1/5/2011 0:00	-0.209	-0.2
553707	1/6/2011 0:00	-0.219	-0.199
553708	1/7/2011 0:00	-0.211	-0.199
553709	1/8/2011 0:00	-0.182	-0.2
553710	1/9/2011 0:00	-0.183	-0.2
553711	1/10/2011 0:00	-0.192	-0.2
553712	1/11/2011 0:00	-0.212	-0.2
553713	1/12/2011 0:00	-0.206	-0.202
553714	1/13/2011 0:00	-0.185	-0.201
553715	1/14/2011 0:00	-0.199	-0.203
553716	1/15/2011 0:00	-0.215	-0.203
553717	1/16/2011 0:00	-0.162	-0.205
553718	1/17/2011 0:00	-0.214	-0.205
553719	1/18/2011 0:00	-0.183	-0.206
553720	1/19/2011 0:00	-0.18	-0.208
553721	1/20/2011 0:00	-0.202	-0.208

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553722	1/21/2011 0:00	-0.186	-0.208
553723	1/22/2011 0:00	-0.17	-0.208
553724	1/23/2011 0:00	-0.215	-0.209
553725	1/24/2011 0:00	-0.202	-0.209
553726	1/25/2011 0:00	-0.211	-0.21
553727	1/26/2011 0:00	-0.224	-0.21
553728	1/27/2011 0:00	-0.242	-0.21
553729	1/28/2011 0:00	-0.204	-0.21
553730	1/29/2011 0:00	-0.228	-0.21
553731	1/30/2011 0:00	-0.224	-0.21
553732	1/31/2011 0:00	-0.233	-0.21
553733	2/1/2011 0:00	-0.238	-0.212
553734	2/2/2011 0:00	-0.251	-0.211
553735	2/3/2011 0:00	-0.255	-0.211
553736	2/4/2011 0:00	-0.222	-0.213
553737	2/5/2011 0:00	-0.196	-0.212
553738	2/6/2011 0:00	-0.236	-0.212
553739	2/7/2011 0:00	-0.224	-0.212
553740	2/8/2011 0:00	-0.189	-0.211
553741	2/9/2011 0:00	-0.201	-0.21
553742	2/10/2011 0:00	-0.208	-0.21
553743	2/11/2011 0:00	-0.195	-0.209
553744	2/12/2011 0:00	-0.202	-0.206
553745	2/13/2011 0:00	-0.189	-0.206
553746	2/14/2011 0:00	-0.214	-0.206
553747	2/15/2011 0:00	-0.222	-0.205
553748	2/16/2011 0:00	-0.216	-0.204
553749	2/17/2011 0:00	-0.185	-0.203
553750	2/18/2011 0:00	-0.184	-0.202
553751	2/19/2011 0:00	-0.221	-0.201
553752	2/20/2011 0:00	-0.189	-0.2
553753	2/21/2011 0:00	-0.178	-0.199
553754	2/22/2011 0:00	-0.17	-0.199
553755	2/23/2011 0:00	-0.18	-0.199
553756	2/24/2011 0:00	-0.194	-0.198
553757	2/25/2011 0:00	-0.191	-0.198
553758	2/26/2011 0:00	-0.191	-0.198
553759	2/27/2011 0:00	-0.169	-0.198
553760	2/28/2011 0:00	-0.195	-0.197
553761	3/1/2011 0:00	-0.22	-0.197
553762	3/2/2011 0:00	-0.19	-0.196
553763	3/3/2011 0:00	-0.197	-0.195
553764	3/4/2011 0:00	-0.209	-0.194
553765	3/5/2011 0:00	-0.23	-0.194
553766	3/6/2011 0:00	-0.231	-0.193
553767	3/7/2011 0:00	-0.176	-0.192

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553768	3/8/2011 0:00	-0.189	-0.193
553769	3/9/2011 0:00	-0.228	-0.194
553770	3/10/2011 0:00	-0.203	-0.195
553771	3/11/2011 0:00	-0.185	-0.194
553772	3/12/2011 0:00	-0.195	-0.195
553773	3/13/2011 0:00	-0.202	-0.195
553774	3/14/2011 0:00	-0.181	-0.196
553775	3/15/2011 0:00	-0.191	-0.197
553776	3/16/2011 0:00	-0.181	-0.197
553777	3/17/2011 0:00	-0.17	-0.197
553778	3/18/2011 0:00	-0.199	-0.196
553779	3/19/2011 0:00	-0.194	-0.196
553780	3/20/2011 0:00	-0.184	-0.196
553781	3/21/2011 0:00	-0.164	-0.194
553782	3/22/2011 0:00	-0.167	-0.193
553783	3/23/2011 0:00	-0.233	-0.193
553784	3/24/2011 0:00	-0.199	-0.192
553785	3/25/2011 0:00	-0.196	-0.19
553786	3/26/2011 0:00	-0.178	-0.19
553787	3/27/2011 0:00	-0.201	-0.19
553788	3/28/2011 0:00	-0.214	-0.19
553789	3/29/2011 0:00	-0.208	-0.19
553790	3/30/2011 0:00	-0.203	-0.19
553791	3/31/2011 0:00	-0.196	-0.19
553792	4/1/2011 0:00	-0.212	-0.191
553793	4/2/2011 0:00	-0.178	-0.191
553794	4/3/2011 0:00	-0.197	-0.19
553795	4/4/2011 0:00	-0.192	-0.189
553796	4/5/2011 0:00	-0.179	-0.189
553797	4/6/2011 0:00	-0.188	-0.189
553798	4/7/2011 0:00	-0.175	-0.19
553799	4/8/2011 0:00	-0.163	-0.188
553800	4/9/2011 0:00	-0.157	-0.186
553801	4/10/2011 0:00	-0.201	-0.184
553802	4/11/2011 0:00	-0.2	-0.185
553803	4/12/2011 0:00	-0.189	-0.184
553804	4/13/2011 0:00	-0.194	-0.182
553805	4/14/2011 0:00	-0.194	-0.182
553806	4/15/2011 0:00	-0.199	-0.18
553807	4/16/2011 0:00	-0.193	-0.18
553808	4/17/2011 0:00	-0.171	-0.179
553809	4/18/2011 0:00	-0.187	-0.18
553810	4/19/2011 0:00	-0.163	-0.179
553811	4/20/2011 0:00	-0.17	-0.179
553812	4/21/2011 0:00	-0.179	-0.178
553813	4/22/2011 0:00	-0.189	-0.178

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553814	4/23/2011 0:00	-0.158	-0.177
553815	4/24/2011 0:00	-0.138	-0.177
553816	4/25/2011 0:00	-0.15	-0.177
553817	4/26/2011 0:00	-0.186	-0.175
553818	4/27/2011 0:00	-0.171	-0.174
553819	4/28/2011 0:00	-0.179	-0.175
553820	4/29/2011 0:00	-0.183	-0.174
553821	4/30/2011 0:00	-0.156	-0.174
553822	5/1/2011 0:00	-0.198	-0.174
553823	5/2/2011 0:00	-0.19	-0.174
553824	5/3/2011 0:00	-0.185	-0.174
553825	5/4/2011 0:00	-0.19	-0.174
553826	5/5/2011 0:00	-0.181	-0.174
553827	5/6/2011 0:00	-0.154	-0.175
553828	5/7/2011 0:00	-0.177	-0.175
553829	5/8/2011 0:00	-0.151	-0.175
553830	5/9/2011 0:00	-0.144	-0.176
553831	5/10/2011 0:00	-0.165	-0.177
553832	5/11/2011 0:00	-0.153	-0.179
553833	5/12/2011 0:00	-0.173	-0.179
553834	5/13/2011 0:00	-0.204	-0.179
553835	5/14/2011 0:00	-0.168	-0.179
553836	5/15/2011 0:00	-0.19	-0.178
553837	5/16/2011 0:00	-0.197	-0.18
553838	5/17/2011 0:00	-0.189	-0.18
553839	5/18/2011 0:00	-0.19	-0.18
553840	5/19/2011 0:00	-0.173	-0.18
553841	5/20/2011 0:00	-0.173	-0.179
553842	5/21/2011 0:00	-0.192	-0.18
553843	5/22/2011 0:00	-0.193	-0.181
553844	5/23/2011 0:00	-0.172	-0.182
553845	5/24/2011 0:00	-0.189	-0.182
553846	5/25/2011 0:00	-0.184	-0.183
553847	5/26/2011 0:00	-0.189	-0.183
553848	5/27/2011 0:00	-0.187	-0.183
553849	5/28/2011 0:00	-0.185	-0.184
553850	5/29/2011 0:00	-0.17	-0.182
553851	5/30/2011 0:00	-0.167	-0.182
553852	5/31/2011 0:00	-0.196	-0.182
553853	6/1/2011 0:00	-0.213	-0.181
553854	6/2/2011 0:00	-0.177	-0.18
553855	6/3/2011 0:00	-0.183	-0.181
553856	6/4/2011 0:00	-0.17	-0.181
553857	6/5/2011 0:00	-0.221	-0.181
553858	6/6/2011 0:00	-0.173	-0.181
553859	6/7/2011 0:00	-0.198	-0.18

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553860	6/8/2011 0:00	-0.169	-0.181
553861	6/9/2011 0:00	-0.156	-0.181
553862	6/10/2011 0:00	-0.175	-0.179
553863	6/11/2011 0:00	-0.155	-0.178
553864	6/12/2011 0:00	-0.193	-0.179
553865	6/13/2011 0:00	-0.154	-0.179
553866	6/14/2011 0:00	-0.173	-0.18
553867	6/15/2011 0:00	-0.181	-0.181
553868	6/16/2011 0:00	-0.182	-0.18
553869	6/17/2011 0:00	-0.162	-0.178
553870	6/18/2011 0:00	-0.192	-0.177
553871	6/19/2011 0:00	-0.178	-0.177
553872	6/20/2011 0:00	-0.177	-0.178
553873	6/21/2011 0:00	-0.186	-0.176
553874	6/22/2011 0:00	-0.181	-0.177
553875	6/23/2011 0:00	-0.183	-0.176
553876	6/24/2011 0:00	-0.192	-0.176
553877	6/25/2011 0:00	-0.139	-0.178
553878	6/26/2011 0:00	-0.159	-0.178
553879	6/27/2011 0:00	-0.207	-0.18
553880	6/28/2011 0:00	-0.194	-0.179
553881	6/29/2011 0:00	-0.199	-0.181
553882	6/30/2011 0:00	-0.199	-0.181
553883	7/1/2011 0:00	-0.154	-0.182
553884	7/2/2011 0:00	-0.163	-0.182
553885	7/3/2011 0:00	-0.15	-0.183
553886	7/4/2011 0:00	-0.179	-0.183
553887	7/5/2011 0:00	-0.188	-0.183
553888	7/6/2011 0:00	-0.18	-0.182
553889	7/7/2011 0:00	-0.182	-0.183
553890	7/8/2011 0:00	-0.185	-0.183
553891	7/9/2011 0:00	-0.167	-0.183
553892	7/10/2011 0:00	-0.196	-0.183
553893	7/11/2011 0:00	-0.196	-0.185
553894	7/12/2011 0:00	-0.205	-0.184
553895	7/13/2011 0:00	-0.173	-0.182
553896	7/14/2011 0:00	-0.195	-0.182
553897	7/15/2011 0:00	-0.196	-0.183
553898	7/16/2011 0:00	-0.196	-0.182
553899	7/17/2011 0:00	-0.195	-0.183
553900	7/18/2011 0:00	-0.187	-0.183
553901	7/19/2011 0:00	-0.199	-0.185
553902	7/20/2011 0:00	-0.173	-0.186
553903	7/21/2011 0:00	-0.158	-0.186
553904	7/22/2011 0:00	-0.2	-0.187
553905	7/23/2011 0:00	-0.173	-0.186

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553906	7/24/2011 0:00	-0.198	-0.185
553907	7/25/2011 0:00	-0.196	-0.185
553908	7/26/2011 0:00	-0.186	-0.185
553909	7/27/2011 0:00	-0.141	-0.185
553910	7/28/2011 0:00	-0.155	-0.184
553911	7/29/2011 0:00	-0.191	-0.185
553912	7/30/2011 0:00	-0.208	-0.185
553913	7/31/2011 0:00	-0.187	-0.185
553914	8/1/2011 0:00	-0.17	-0.185
553915	8/2/2011 0:00	-0.183	-0.186
553916	8/3/2011 0:00	-0.185	-0.186
553917	8/4/2011 0:00	-0.219	-0.185
553918	8/5/2011 0:00	-0.2	-0.186
553919	8/6/2011 0:00	-0.195	-0.187
553920	8/7/2011 0:00	-0.162	-0.187
553921	8/8/2011 0:00	-0.151	-0.186
553922	8/9/2011 0:00	-0.178	-0.185
553923	8/10/2011 0:00	-0.189	-0.184
553924	8/11/2011 0:00	-0.189	-0.185
553925	8/12/2011 0:00	-0.19	-0.186
553926	8/13/2011 0:00	-0.201	-0.186
553927	8/14/2011 0:00	-0.192	-0.186
553928	8/15/2011 0:00	-0.202	-0.185
553929	8/16/2011 0:00	-0.194	-0.184
553930	8/17/2011 0:00	-0.204	-0.184
553931	8/18/2011 0:00	-0.196	-0.184
553932	8/19/2011 0:00	-0.182	-0.184
553933	8/20/2011 0:00	-0.207	-0.182
553934	8/21/2011 0:00	-0.175	-0.182
553935	8/22/2011 0:00	-0.193	-0.183
553936	8/23/2011 0:00	-0.15	-0.183
553937	8/24/2011 0:00	-0.171	-0.184
553938	8/25/2011 0:00	-0.172	-0.184
553939	8/26/2011 0:00	-0.194	-0.183
553940	8/27/2011 0:00	-0.179	-0.183
553941	8/28/2011 0:00	-0.166	-0.183
553942	8/29/2011 0:00	-0.194	-0.181
553943	8/30/2011 0:00	-0.151	-0.182
553944	8/31/2011 0:00	-0.167	-0.181
553945	9/1/2011 0:00	-0.185	-0.181
553946	9/2/2011 0:00	-0.177	-0.179
553947	9/3/2011 0:00	-0.164	-0.18
553948	9/4/2011 0:00	-0.182	-0.18
553949	9/5/2011 0:00	-0.204	-0.181
553950	9/6/2011 0:00	-0.201	-0.181
553951	9/7/2011 0:00	-0.163	-0.18

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553952	9/8/2011 0:00	-0.179	-0.18
553953	9/9/2011 0:00	-0.191	-0.179
553954	9/10/2011 0:00	-0.163	-0.179
553955	9/11/2011 0:00	-0.174	-0.178
553956	9/12/2011 0:00	-0.189	-0.178
553957	9/13/2011 0:00	-0.148	-0.179
553958	9/14/2011 0:00	-0.212	-0.177
553959	9/15/2011 0:00	-0.199	-0.178
553960	9/16/2011 0:00	-0.165	-0.178
553961	9/17/2011 0:00	-0.167	-0.179
553962	9/18/2011 0:00	-0.205	-0.179
553963	9/19/2011 0:00	-0.205	-0.18
553964	9/20/2011 0:00	-0.219	-0.179
553965	9/21/2011 0:00	-0.182	-0.178
553966	9/22/2011 0:00	-0.15	-0.176
553967	9/23/2011 0:00	-0.162	-0.177
553968	9/24/2011 0:00	-0.15	-0.177
553969	9/25/2011 0:00	-0.164	-0.175
553970	9/26/2011 0:00	-0.173	-0.176
553971	9/27/2011 0:00	-0.177	-0.177
553972	9/28/2011 0:00	-0.185	-0.177
553973	9/29/2011 0:00	-0.151	-0.177
553974	9/30/2011 0:00	-0.158	-0.175
553975	10/1/2011 0:00	-0.184	-0.174
553976	10/2/2011 0:00	-0.195	-0.175
553977	10/3/2011 0:00	-0.194	-0.175
553978	10/4/2011 0:00	-0.194	-0.173
553979	10/5/2011 0:00	-0.152	-0.172
553980	10/6/2011 0:00	-0.165	-0.171
553981	10/7/2011 0:00	-0.143	-0.171
553982	10/8/2011 0:00	-0.197	-0.172
553983	10/9/2011 0:00	-0.166	-0.172
553984	10/10/2011 0:00	-0.151	-0.172
553985	10/11/2011 0:00	-0.194	-0.172
553986	10/12/2011 0:00	-0.202	-0.173
553987	10/13/2011 0:00	-0.184	-0.174
553988	10/14/2011 0:00	-0.142	-0.175
553989	10/15/2011 0:00	-0.143	-0.176
553990	10/16/2011 0:00	-0.174	-0.177
553991	10/17/2011 0:00	-0.191	-0.177
553992	10/18/2011 0:00	-0.176	-0.178
553993	10/19/2011 0:00	-0.15	-0.179
553994	10/20/2011 0:00	-0.157	-0.179
553995	10/21/2011 0:00	-0.179	-0.179
553996	10/22/2011 0:00	-0.198	-0.18
553997	10/23/2011 0:00	-0.176	-0.183

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
553998	10/24/2011 0:00	-0.176	-0.185
553999	10/25/2011 0:00	-0.15	-0.187
554000	10/26/2011 0:00	-0.165	-0.189
554001	10/27/2011 0:00	-0.2	-0.19
554002	10/28/2011 0:00	-0.216	-0.189
554003	10/29/2011 0:00	-0.2	-0.19
554004	10/30/2011 0:00	-0.196	-0.192
554005	10/31/2011 0:00	-0.189	-0.194
554006	11/1/2011 0:00	-0.176	-0.196
554007	11/2/2011 0:00	-0.224	-0.196
554008	11/3/2011 0:00	-0.216	-0.197
554009	11/4/2011 0:00	-0.185	-0.199
554010	11/5/2011 0:00	-0.172	-0.201
554011	11/6/2011 0:00	-0.206	-0.202
554012	11/7/2011 0:00	-0.229	-0.203
554013	11/8/2011 0:00	-0.254	-0.205
554014	11/9/2011 0:00	-0.24	-0.206
554015	11/10/2011 0:00	-0.208	-0.206
554016	11/11/2011 0:00	-0.202	-0.209
554017	11/12/2011 0:00	-0.196	-0.209
554018	11/13/2011 0:00	-0.207	-0.209
554019	11/14/2011 0:00	-0.191	-0.209
554020	11/15/2011 0:00	-0.221	-0.209
554021	11/16/2011 0:00	-0.219	-0.21
554022	11/17/2011 0:00	-0.213	-0.211
554023	11/18/2011 0:00	-0.211	-0.21
554024	11/19/2011 0:00	-0.213	-0.21
554025	11/20/2011 0:00	-0.2	-0.212
554026	11/21/2011 0:00	-0.209	-0.214
554027	11/22/2011 0:00	-0.237	-0.214
554028	11/23/2011 0:00	-0.23	-0.213
554029	11/24/2011 0:00	-0.201	-0.212
554030	11/25/2011 0:00	-0.174	-0.21
554031	11/26/2011 0:00	-0.235	-0.209
554032	11/27/2011 0:00	-0.213	-0.209
554033	11/28/2011 0:00	-0.213	-0.209
554034	11/29/2011 0:00	-0.202	-0.209
554035	11/30/2011 0:00	-0.182	-0.21
554036	12/1/2011 0:00	-0.227	-0.209
554037	12/2/2011 0:00	-0.197	-0.209
554038	12/3/2011 0:00	-0.214	-0.208
554039	12/4/2011 0:00	-0.225	-0.207
554040	12/5/2011 0:00	-0.22	-0.207
554041	12/6/2011 0:00	-0.24	-0.207
554042	12/7/2011 0:00	-0.207	-0.206
554043	12/8/2011 0:00	-0.212	-0.206

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554044	12/9/2011 0:00	-0.205	-0.206
554045	12/10/2011 0:00	-0.193	-0.207
554046	12/11/2011 0:00	-0.166	-0.208
554047	12/12/2011 0:00	-0.21	-0.207
554048	12/13/2011 0:00	-0.202	-0.207
554049	12/14/2011 0:00	-0.212	-0.205
554050	12/15/2011 0:00	-0.199	-0.205
554051	12/16/2011 0:00	-0.199	-0.206
554052	12/17/2011 0:00	-0.222	-0.205
554053	12/18/2011 0:00	-0.188	-0.205
554054	12/19/2011 0:00	-0.173	-0.206
554055	12/20/2011 0:00	-0.22	-0.206
554056	12/21/2011 0:00	-0.178	-0.205
554057	12/22/2011 0:00	-0.192	-0.204
554058	12/23/2011 0:00	-0.242	-0.203
554059	12/24/2011 0:00	-0.225	-0.203
554060	12/25/2011 0:00	-0.221	-0.204
554061	12/26/2011 0:00	-0.207	-0.204
554062	12/27/2011 0:00	-0.203	-0.204
554063	12/28/2011 0:00	-0.209	-0.204
554064	12/29/2011 0:00	-0.173	-0.203
554065	12/30/2011 0:00	-0.197	-0.203
554066	12/31/2011 0:00	-0.201	-0.202
554067	1/1/2012 0:00	-0.208	-0.202
554068	1/2/2012 0:00	-0.193	-0.202
554069	1/3/2012 0:00	-0.228	-0.202
554070	1/4/2012 0:00	-0.23	-0.202
554071	1/5/2012 0:00	-0.211	-0.201
554072	1/6/2012 0:00	-0.188	-0.201
554073	1/7/2012 0:00	-0.201	-0.202
554074	1/8/2012 0:00	-0.202	-0.2
554075	1/9/2012 0:00	-0.222	-0.2
554076	1/10/2012 0:00	-0.192	-0.198
554077	1/11/2012 0:00	-0.189	-0.197
554078	1/12/2012 0:00	-0.186	-0.196
554079	1/13/2012 0:00	-0.188	-0.196
554080	1/14/2012 0:00	-0.207	-0.197
554081	1/15/2012 0:00	-0.174	-0.196
554082	1/16/2012 0:00	-0.206	-0.195
554083	1/17/2012 0:00	-0.207	-0.195
554084	1/18/2012 0:00	-0.186	-0.195
554085	1/19/2012 0:00	-0.184	-0.194
554086	1/20/2012 0:00	-0.192	-0.193
554087	1/21/2012 0:00	-0.163	-0.192
554088	1/22/2012 0:00	-0.214	-0.191
554089	1/23/2012 0:00	-0.208	-0.192

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554090	1/24/2012 0:00	-0.199	-0.191
554091	1/25/2012 0:00	-0.165	-0.191
554092	1/26/2012 0:00	-0.194	-0.191
554093	1/27/2012 0:00	-0.171	-0.19
554094	1/28/2012 0:00	-0.198	-0.19
554095	1/29/2012 0:00	-0.204	-0.189
554096	1/30/2012 0:00	-0.171	-0.188
554097	1/31/2012 0:00	-0.174	-0.188
554098	2/1/2012 0:00	-0.196	-0.188
554099	2/2/2012 0:00	-0.195	-0.188
554100	2/3/2012 0:00	-0.191	-0.188
554101	2/4/2012 0:00	-0.2	-0.188
554102	2/5/2012 0:00	-0.177	-0.189
554103	2/6/2012 0:00	-0.17	-0.19
554104	2/7/2012 0:00	-0.222	-0.189
554105	2/8/2012 0:00	-0.187	-0.187
554106	2/9/2012 0:00	-0.215	-0.187
554107	2/10/2012 0:00	-0.192	-0.189
554108	2/11/2012 0:00	-0.167	-0.188
554109	2/12/2012 0:00	-0.164	-0.187
554110	2/13/2012 0:00	-0.159	-0.186
554111	2/14/2012 0:00	-0.17	-0.186
554112	2/15/2012 0:00	-0.192	-0.187
554113	2/16/2012 0:00	-0.185	-0.187
554114	2/17/2012 0:00	-0.221	-0.187
554115	2/18/2012 0:00	-0.199	-0.187
554116	2/19/2012 0:00	-0.18	-0.187
554117	2/20/2012 0:00	-0.202	-0.186
554118	2/21/2012 0:00	-0.191	-0.186
554119	2/22/2012 0:00	-0.184	-0.188
554120	2/23/2012 0:00	-0.166	-0.187
554121	2/24/2012 0:00	-0.191	-0.187
554122	2/25/2012 0:00	-0.215	-0.186
554123	2/26/2012 0:00	-0.17	-0.186
554124	2/27/2012 0:00	-0.139	-0.188
554125	2/28/2012 0:00	-0.186	-0.189
554126	2/29/2012 0:00	-0.197	-0.19
554127	3/1/2012 0:00	-0.187	-0.191
554128	3/2/2012 0:00	-0.186	-0.192
554129	3/3/2012 0:00	-0.203	-0.193
554130	3/4/2012 0:00	-0.198	-0.192
554131	3/5/2012 0:00	-0.185	-0.192
554132	3/6/2012 0:00	-0.174	-0.194
554133	3/7/2012 0:00	-0.179	-0.194
554134	3/8/2012 0:00	-0.207	-0.195
554135	3/9/2012 0:00	-0.203	-0.197

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554136	3/10/2012 0:00	-0.173	-0.198
554137	3/11/2012 0:00	-0.189	-0.199
554138	3/12/2012 0:00	-0.213	-0.199
554139	3/13/2012 0:00	-0.206	-0.2
554140	3/14/2012 0:00	-0.201	-0.202
554141	3/15/2012 0:00	-0.199	-0.203
554142	3/16/2012 0:00	-0.198	-0.202
554143	3/17/2012 0:00	-0.235	-0.202
554144	3/18/2012 0:00	-0.209	-0.202
554145	3/19/2012 0:00	-0.198	-0.203
554146	3/20/2012 0:00	-0.199	-0.203
554147	3/21/2012 0:00	-0.216	-0.203
554148	3/22/2012 0:00	-0.207	-0.203
554149	3/23/2012 0:00	-0.242	-0.204
554150	3/24/2012 0:00	-0.235	-0.205
554151	3/25/2012 0:00	-0.21	-0.206
554152	3/26/2012 0:00	-0.2	-0.208
554153	3/27/2012 0:00	-0.211	-0.208
554154	3/28/2012 0:00	-0.205	-0.208
554155	3/29/2012 0:00	-0.225	-0.209
554156	3/30/2012 0:00	-0.19	-0.21
554157	3/31/2012 0:00	-0.195	-0.21
554158	4/1/2012 0:00	-0.163	-0.211
554159	4/2/2012 0:00	-0.191	-0.21
554160	4/3/2012 0:00	-0.23	-0.211
554161	4/4/2012 0:00	-0.208	-0.211
554162	4/5/2012 0:00	-0.184	-0.212
554163	4/6/2012 0:00	-0.188	-0.212
554164	4/7/2012 0:00	-0.199	-0.213
554165	4/8/2012 0:00	-0.231	-0.211
554166	4/9/2012 0:00	-0.243	-0.21
554167	4/10/2012 0:00	-0.216	-0.209
554168	4/11/2012 0:00	-0.216	-0.21
554169	4/12/2012 0:00	-0.205	-0.209
554170	4/13/2012 0:00	-0.235	-0.208
554171	4/14/2012 0:00	-0.222	-0.208
554172	4/15/2012 0:00	-0.218	-0.209
554173	4/16/2012 0:00	-0.215	-0.209
554174	4/17/2012 0:00	-0.213	-0.21
554175	4/18/2012 0:00	-0.228	-0.211
554176	4/19/2012 0:00	-0.215	-0.211
554177	4/20/2012 0:00	-0.217	-0.211
554178	4/21/2012 0:00	-0.229	-0.212
554179	4/22/2012 0:00	-0.21	-0.213
554180	4/23/2012 0:00	-0.191	-0.213
554181	4/24/2012 0:00	-0.194	-0.213

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554182	4/25/2012 0:00	-0.2	-0.212
554183	4/26/2012 0:00	-0.213	-0.212
554184	4/27/2012 0:00	-0.191	-0.212
554185	4/28/2012 0:00	-0.184	-0.213
554186	4/29/2012 0:00	-0.219	-0.212
554187	4/30/2012 0:00	-0.216	-0.211
554188	5/1/2012 0:00	-0.196	-0.212
554189	5/2/2012 0:00	-0.202	-0.212
554190	5/3/2012 0:00	-0.22	-0.212
554191	5/4/2012 0:00	-0.21	-0.211
554192	5/5/2012 0:00	-0.212	-0.211
554193	5/6/2012 0:00	-0.221	-0.211
554194	5/7/2012 0:00	-0.222	-0.21
554195	5/8/2012 0:00	-0.212	-0.208
554196	5/9/2012 0:00	-0.216	-0.209
554197	5/10/2012 0:00	-0.209	-0.21
554198	5/11/2012 0:00	-0.224	-0.209
554199	5/12/2012 0:00	-0.224	-0.209
554200	5/13/2012 0:00	-0.214	-0.209
554201	5/14/2012 0:00	-0.22	-0.209
554202	5/15/2012 0:00	-0.192	-0.209
554203	5/16/2012 0:00	-0.24	-0.208
554204	5/17/2012 0:00	-0.21	-0.208
554205	5/18/2012 0:00	-0.222	-0.208
554206	5/19/2012 0:00	-0.203	-0.207
554207	5/20/2012 0:00	-0.203	-0.206
554208	5/21/2012 0:00	-0.211	-0.206
554209	5/22/2012 0:00	-0.204	-0.204
554210	5/23/2012 0:00	-0.163	-0.203
554211	5/24/2012 0:00	-0.21	-0.203
554212	5/25/2012 0:00	-0.21	-0.202
554213	5/26/2012 0:00	-0.179	-0.202
554214	5/27/2012 0:00	-0.204	-0.201
554215	5/28/2012 0:00	-0.195	-0.2
554216	5/29/2012 0:00	-0.202	-0.199
554217	5/30/2012 0:00	-0.2	-0.199
554218	5/31/2012 0:00	-0.201	-0.199
554219	6/1/2012 0:00	-0.193	-0.197
554220	6/2/2012 0:00	-0.187	-0.197
554221	6/3/2012 0:00	-0.189	-0.195
554222	6/4/2012 0:00	-0.198	-0.196
554223	6/5/2012 0:00	-0.212	-0.196
554224	6/6/2012 0:00	-0.155	-0.196
554225	6/7/2012 0:00	-0.194	-0.196
554226	6/8/2012 0:00	-0.212	-0.196
554227	6/9/2012 0:00	-0.187	-0.196

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554228	6/10/2012 0:00	-0.193	-0.196
554229	6/11/2012 0:00	-0.212	-0.197
554230	6/12/2012 0:00	-0.186	-0.197
554231	6/13/2012 0:00	-0.187	-0.198
554232	6/14/2012 0:00	-0.203	-0.198
554233	6/15/2012 0:00	-0.2	-0.198
554234	6/16/2012 0:00	-0.184	-0.198
554235	6/17/2012 0:00	-0.202	-0.198
554236	6/18/2012 0:00	-0.181	-0.198
554237	6/19/2012 0:00	-0.216	-0.198
554238	6/20/2012 0:00	-0.204	-0.199
554239	6/21/2012 0:00	-0.214	-0.199
554240	6/22/2012 0:00	-0.191	-0.202
554241	6/23/2012 0:00	-0.178	-0.202
554242	6/24/2012 0:00	-0.192	-0.201
554243	6/25/2012 0:00	-0.214	-0.201
554244	6/26/2012 0:00	-0.214	-0.201
554245	6/27/2012 0:00	-0.219	-0.201
554246	6/28/2012 0:00	-0.207	-0.203
554247	6/29/2012 0:00	-0.204	-0.203
554248	6/30/2012 0:00	-0.214	-0.203
554249	7/1/2012 0:00	-0.21	-0.202
554250	7/2/2012 0:00	-0.191	-0.203
554251	7/3/2012 0:00	-0.174	-0.203
554252	7/4/2012 0:00	-0.186	-0.204
554253	7/5/2012 0:00	-0.219	-0.204
554254	7/6/2012 0:00	-0.232	-0.204
554255	7/7/2012 0:00	-0.234	-0.204
554256	7/8/2012 0:00	-0.202	-0.205
554257	7/9/2012 0:00	-0.169	-0.206
554258	7/10/2012 0:00	-0.185	-0.207
554259	7/11/2012 0:00	-0.205	-0.206
554260	7/12/2012 0:00	-0.226	-0.205
554261	7/13/2012 0:00	-0.221	-0.205
554262	7/14/2012 0:00	-0.193	-0.206
554263	7/15/2012 0:00	-0.196	-0.207
554264	7/16/2012 0:00	-0.189	-0.207
554265	7/17/2012 0:00	-0.209	-0.207
554266	7/18/2012 0:00	-0.208	-0.207
554267	7/19/2012 0:00	-0.198	-0.208
554268	7/20/2012 0:00	-0.219	-0.209
554269	7/21/2012 0:00	-0.199	-0.208
554270	7/22/2012 0:00	-0.228	-0.208
554271	7/23/2012 0:00	-0.226	-0.207
554272	7/24/2012 0:00	-0.215	-0.207
554273	7/25/2012 0:00	-0.201	-0.208

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554274	7/26/2012 0:00	-0.19	-0.208
554275	7/27/2012 0:00	-0.198	-0.208
554276	7/28/2012 0:00	-0.209	-0.207
554277	7/29/2012 0:00	-0.248	-0.206
554278	7/30/2012 0:00	-0.216	-0.206
554279	7/31/2012 0:00	-0.208	-0.207
554280	8/1/2012 0:00	-0.218	-0.207
554281	8/2/2012 0:00	-0.191	-0.207
554282	8/3/2012 0:00	-0.204	-0.207
554283	8/4/2012 0:00	-0.22	-0.208
554284	8/5/2012 0:00	-0.205	-0.208
554285	8/6/2012 0:00	-0.212	-0.208
554286	8/7/2012 0:00	-0.215	-0.207
554287	8/8/2012 0:00	-0.203	-0.207
554288	8/9/2012 0:00	-0.194	-0.206
554289	8/10/2012 0:00	-0.201	-0.207
554290	8/11/2012 0:00	-0.187	-0.207
554291	8/12/2012 0:00	-0.195	-0.207
554292	8/13/2012 0:00	-0.193	-0.208
554293	8/14/2012 0:00	-0.206	-0.206
554294	8/15/2012 0:00	-0.216	-0.206
554295	8/16/2012 0:00	-0.193	-0.205
554296	8/17/2012 0:00	-0.201	-0.205
554297	8/18/2012 0:00	-0.214	-0.205
554298	8/19/2012 0:00	-0.227	-0.206
554299	8/20/2012 0:00	-0.223	-0.205
554300	8/21/2012 0:00	-0.203	-0.204
554301	8/22/2012 0:00	-0.19	-0.203
554302	8/23/2012 0:00	-0.21	-0.203
554303	8/24/2012 0:00	-0.19	-0.204
554304	8/25/2012 0:00	-0.227	-0.205
554305	8/26/2012 0:00	-0.206	-0.204
554306	8/27/2012 0:00	-0.204	-0.205
554307	8/28/2012 0:00	-0.218	-0.206
554308	8/29/2012 0:00	-0.204	-0.207
554309	8/30/2012 0:00	-0.2	-0.207
554310	8/31/2012 0:00	-0.2	-0.208
554311	9/1/2012 0:00	-0.208	-0.208
554312	9/2/2012 0:00	-0.197	-0.209
554313	9/3/2012 0:00	-0.225	-0.209
554314	9/4/2012 0:00	-0.19	-0.209
554315	9/5/2012 0:00	-0.175	-0.209
554316	9/6/2012 0:00	-0.178	-0.209
554317	9/7/2012 0:00	-0.204	-0.21
554318	9/8/2012 0:00	-0.244	-0.21
554319	9/9/2012 0:00	-0.218	-0.212

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554320	9/10/2012 0:00	-0.166	-0.212
554321	9/11/2012 0:00	-0.232	-0.213
554322	9/12/2012 0:00	-0.209	-0.214
554323	9/13/2012 0:00	-0.224	-0.214
554324	9/14/2012 0:00	-0.23	-0.214
554325	9/15/2012 0:00	-0.223	-0.215
554326	9/16/2012 0:00	-0.211	-0.216
554327	9/17/2012 0:00	-0.216	-0.216
554328	9/18/2012 0:00	-0.228	-0.216
554329	9/19/2012 0:00	-0.238	-0.216
554330	9/20/2012 0:00	-0.219	-0.217
554331	9/21/2012 0:00	-0.209	-0.218
554332	9/22/2012 0:00	-0.212	-0.219
554333	9/23/2012 0:00	-0.216	-0.218
554334	9/24/2012 0:00	-0.231	-0.218
554335	9/25/2012 0:00	-0.246	-0.217
554336	9/26/2012 0:00	-0.226	-0.22
554337	9/27/2012 0:00	-0.229	-0.22
554338	9/28/2012 0:00	-0.218	-0.22
554339	9/29/2012 0:00	-0.211	-0.219
554340	9/30/2012 0:00	-0.239	-0.219
554341	10/1/2012 0:00	-0.234	-0.219
554342	10/2/2012 0:00	-0.206	-0.218
554343	10/3/2012 0:00	-0.19	-0.218
554344	10/4/2012 0:00	-0.229	-0.216
554345	10/5/2012 0:00	-0.208	-0.215
554346	10/6/2012 0:00	-0.223	-0.215
554347	10/7/2012 0:00	-0.206	-0.216
554348	10/8/2012 0:00	-0.166	-0.217
554349	10/9/2012 0:00	-0.229	-0.217
554350	10/10/2012 0:00	-0.212	-0.217
554351	10/11/2012 0:00	-0.238	-0.217
554352	10/12/2012 0:00	-0.229	-0.218
554353	10/13/2012 0:00	-0.213	-0.217
554354	10/14/2012 0:00	-0.204	-0.217
554355	10/15/2012 0:00	-0.219	-0.217
554356	10/16/2012 0:00	-0.244	-0.216
554357	10/17/2012 0:00	-0.182	-0.216
554358	10/18/2012 0:00	-0.203	-0.217
554359	10/19/2012 0:00	-0.174	-0.217
554360	10/20/2012 0:00	-0.211	-0.217
554361	10/21/2012 0:00	-0.212	-0.217
554362	10/22/2012 0:00	-0.24	-0.216
554363	10/23/2012 0:00	-0.231	-0.216
554364	10/24/2012 0:00	-0.236	-0.218
554365	10/25/2012 0:00	-0.225	-0.218

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554366	10/26/2012 0:00	-0.245	-0.219
554367	10/27/2012 0:00	-0.238	-0.218
554368	10/28/2012 0:00	-0.214	-0.219
554369	10/29/2012 0:00	-0.225	-0.22
554370	10/30/2012 0:00	-0.203	-0.221
554371	10/31/2012 0:00	-0.211	-0.223
554372	11/1/2012 0:00	-0.232	-0.222
554373	11/2/2012 0:00	-0.233	-0.225
554374	11/3/2012 0:00	-0.193	-0.225
554375	11/4/2012 0:00	-0.23	-0.227
554376	11/5/2012 0:00	-0.201	-0.229
554377	11/6/2012 0:00	-0.193	-0.228
554378	11/7/2012 0:00	-0.211	-0.228
554379	11/8/2012 0:00	-0.22	-0.227
554380	11/9/2012 0:00	-0.237	-0.228
554381	11/10/2012 0:00	-0.231	-0.228
554382	11/11/2012 0:00	-0.224	-0.228
554383	11/12/2012 0:00	-0.24	-0.228
554384	11/13/2012 0:00	-0.259	-0.228
554385	11/14/2012 0:00	-0.231	-0.23
554386	11/15/2012 0:00	-0.274	-0.23
554387	11/16/2012 0:00	-0.229	-0.231
554388	11/17/2012 0:00	-0.264	-0.23
554389	11/18/2012 0:00	-0.211	-0.229
554390	11/19/2012 0:00	-0.239	-0.229
554391	11/20/2012 0:00	-0.258	-0.229
554392	11/21/2012 0:00	-0.187	-0.229
554393	11/22/2012 0:00	-0.226	-0.23
554394	11/23/2012 0:00	-0.229	-0.23
554395	11/24/2012 0:00	-0.252	-0.23
554396	11/25/2012 0:00	-0.235	-0.23
554397	11/26/2012 0:00	-0.248	-0.23
554398	11/27/2012 0:00	-0.23	-0.23
554399	11/28/2012 0:00	-0.217	-0.229
554400	11/29/2012 0:00	-0.274	-0.227
554401	11/30/2012 0:00	-0.198	-0.225
554402	12/1/2012 0:00	-0.238	-0.223
554403	12/2/2012 0:00	-0.218	-0.222
554404	12/3/2012 0:00	-0.198	-0.219
554405	12/4/2012 0:00	-0.205	-0.22
554406	12/5/2012 0:00	-0.23	-0.219
554407	12/6/2012 0:00	-0.198	-0.218
554408	12/7/2012 0:00	-0.224	-0.219
554409	12/8/2012 0:00	-0.217	-0.219
554410	12/9/2012 0:00	-0.209	-0.219
554411	12/10/2012 0:00	-0.235	-0.217

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554412	12/11/2012 0:00	-0.237	-0.218
554413	12/12/2012 0:00	-0.216	-0.217
554414	12/13/2012 0:00	-0.198	-0.217
554415	12/14/2012 0:00	-0.203	-0.217
554416	12/15/2012 0:00	-0.192	-0.215
554417	12/16/2012 0:00	-0.191	-0.216
554418	12/17/2012 0:00	-0.213	-0.216
554419	12/18/2012 0:00	-0.167	-0.216
554420	12/19/2012 0:00	-0.223	-0.218
554421	12/20/2012 0:00	-0.226	-0.219
554422	12/21/2012 0:00	-0.226	-0.219
554423	12/22/2012 0:00	-0.223	-0.22
554424	12/23/2012 0:00	-0.221	-0.22
554425	12/24/2012 0:00	-0.217	-0.221
554426	12/25/2012 0:00	-0.21	-0.223
554427	12/26/2012 0:00	-0.249	-0.222
554428	12/27/2012 0:00	-0.223	-0.222
554429	12/28/2012 0:00	-0.245	-0.223
554430	12/29/2012 0:00	-0.209	-0.225
554431	12/30/2012 0:00	-0.205	-0.226
554432	12/31/2012 0:00	-0.219	-0.227
554433	1/1/2013 0:00	-0.237	-0.228
554434	1/2/2013 0:00	-0.236	-0.229
554435	1/3/2013 0:00	-0.239	-0.231
554436	1/4/2013 0:00	-0.244	-0.23
554437	1/5/2013 0:00	-0.246	-0.229
554438	1/6/2013 0:00	-0.208	-0.229
554439	1/7/2013 0:00	-0.244	-0.23
554440	1/8/2013 0:00	-0.246	-0.232
554441	1/9/2013 0:00	-0.254	-0.232
554442	1/10/2013 0:00	-0.226	-0.232
554443	1/11/2013 0:00	-0.226	-0.231
554444	1/12/2013 0:00	-0.249	-0.231
554445	1/13/2013 0:00	-0.246	-0.231
554446	1/14/2013 0:00	-0.236	-0.231
554447	1/15/2013 0:00	-0.231	-0.233
554448	1/16/2013 0:00	-0.21	-0.234
554449	1/17/2013 0:00	-0.253	-0.235
554450	1/18/2013 0:00	-0.228	-0.235
554451	1/19/2013 0:00	-0.201	-0.236
554452	1/20/2013 0:00	-0.204	-0.236
554453	1/21/2013 0:00	-0.229	-0.235
554454	1/22/2013 0:00	-0.25	-0.237
554455	1/23/2013 0:00	-0.266	-0.236
554456	1/24/2013 0:00	-0.218	-0.235
554457	1/25/2013 0:00	-0.223	-0.234

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554458	1/26/2013 0:00	-0.214	-0.234
554459	1/27/2013 0:00	-0.231	-0.235
554460	1/28/2013 0:00	-0.218	-0.235
554461	1/29/2013 0:00	-0.237	-0.234
554462	1/30/2013 0:00	-0.247	-0.234
554463	1/31/2013 0:00	-0.258	-0.235
554464	2/1/2013 0:00	-0.264	-0.236
554465	2/2/2013 0:00	-0.25	-0.235
554466	2/3/2013 0:00	-0.246	-0.235
554467	2/4/2013 0:00	-0.242	-0.236
554468	2/5/2013 0:00	-0.225	-0.236
554469	2/6/2013 0:00	-0.259	-0.235
554470	2/7/2013 0:00	-0.223	-0.235
554471	2/8/2013 0:00	-0.225	-0.233
554472	2/9/2013 0:00	-0.222	-0.233
554473	2/10/2013 0:00	-0.228	-0.233
554474	2/11/2013 0:00	-0.255	-0.233
554475	2/12/2013 0:00	-0.231	-0.233
554476	2/13/2013 0:00	-0.243	-0.234
554477	2/14/2013 0:00	-0.217	-0.233
554478	2/15/2013 0:00	-0.275	-0.233
554479	2/16/2013 0:00	-0.228	-0.233
554480	2/17/2013 0:00	-0.226	-0.232
554481	2/18/2013 0:00	-0.226	-0.231
554482	2/19/2013 0:00	-0.225	-0.231
554483	2/20/2013 0:00	-0.202	-0.231
554484	2/21/2013 0:00	-0.226	-0.232
554485	2/22/2013 0:00	-0.245	-0.23
554486	2/23/2013 0:00	-0.198	-0.23
554487	2/24/2013 0:00	-0.217	-0.23
554488	2/25/2013 0:00	-0.219	-0.23
554489	2/26/2013 0:00	-0.225	-0.232
554490	2/27/2013 0:00	-0.221	-0.232
554491	2/28/2013 0:00	-0.24	-0.232
554492	3/1/2013 0:00	-0.221	-0.232
554493	3/2/2013 0:00	-0.256	-0.232
554494	3/3/2013 0:00	-0.253	-0.23
554495	3/4/2013 0:00	-0.223	-0.23
554496	3/5/2013 0:00	-0.229	-0.231
554497	3/6/2013 0:00	-0.235	-0.23
554498	3/7/2013 0:00	-0.241	-0.23
554499	3/8/2013 0:00	-0.251	-0.23
554500	3/9/2013 0:00	-0.191	-0.231
554501	3/10/2013 0:00	-0.248	-0.23
554502	3/11/2013 0:00	-0.222	-0.232
554503	3/12/2013 0:00	-0.22	-0.232

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554504	3/13/2013 0:00	-0.273	-0.233
554505	3/14/2013 0:00	-0.253	-0.234
554506	3/15/2013 0:00	-0.238	-0.233
554507	3/16/2013 0:00	-0.241	-0.233
554508	3/17/2013 0:00	-0.221	-0.234
554509	3/18/2013 0:00	-0.206	-0.233
554510	3/19/2013 0:00	-0.24	-0.232
554511	3/20/2013 0:00	-0.259	-0.232
554512	3/21/2013 0:00	-0.203	-0.232
554513	3/22/2013 0:00	-0.211	-0.233
554514	3/23/2013 0:00	-0.218	-0.232
554515	3/24/2013 0:00	-0.241	-0.23
554516	3/25/2013 0:00	-0.227	-0.23
554517	3/26/2013 0:00	-0.241	-0.229
554518	3/27/2013 0:00	-0.234	-0.229
554519	3/28/2013 0:00	-0.248	-0.23
554520	3/29/2013 0:00	-0.242	-0.227
554521	3/30/2013 0:00	-0.209	-0.226
554522	3/31/2013 0:00	-0.232	-0.225
554523	4/1/2013 0:00	-0.242	-0.225
554524	4/2/2013 0:00	-0.243	-0.227
554525	4/3/2013 0:00	-0.211	-0.228
554526	4/4/2013 0:00	-0.234	-0.228
554527	4/5/2013 0:00	-0.229	-0.227
554528	4/6/2013 0:00	-0.254	-0.229
554529	4/7/2013 0:00	-0.221	-0.231
554530	4/8/2013 0:00	-0.175	-0.232
554531	4/9/2013 0:00	-0.201	-0.233
554532	4/10/2013 0:00	-0.206	-0.233
554533	4/11/2013 0:00	-0.218	-0.233
554534	4/12/2013 0:00	-0.255	-0.233
554535	4/13/2013 0:00	-0.198	-0.232
554536	4/14/2013 0:00	-0.2	-0.231
554537	4/15/2013 0:00	-0.213	-0.232
554538	4/16/2013 0:00	-0.254	-0.232
554539	4/17/2013 0:00	-0.259	-0.233
554540	4/18/2013 0:00	-0.242	-0.233
554541	4/19/2013 0:00	-0.241	-0.233
554542	4/20/2013 0:00	-0.244	-0.233
554543	4/21/2013 0:00	-0.263	-0.234
554544	4/22/2013 0:00	-0.258	-0.233
554545	4/23/2013 0:00	-0.271	-0.235
554546	4/24/2013 0:00	-0.252	-0.236
554547	4/25/2013 0:00	-0.221	-0.237
554548	4/26/2013 0:00	-0.242	-0.238
554549	4/27/2013 0:00	-0.245	-0.239

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554550	4/28/2013 0:00	-0.221	-0.239
554551	4/29/2013 0:00	-0.223	-0.241
554552	4/30/2013 0:00	-0.216	-0.242
554553	5/1/2013 0:00	-0.242	-0.243
554554	5/2/2013 0:00	-0.256	-0.243
554555	5/3/2013 0:00	-0.246	-0.242
554556	5/4/2013 0:00	-0.207	-0.241
554557	5/5/2013 0:00	-0.237	-0.241
554558	5/6/2013 0:00	-0.268	-0.241
554559	5/7/2013 0:00	-0.242	-0.241
554560	5/8/2013 0:00	-0.258	-0.24
554561	5/9/2013 0:00	-0.222	-0.24
554562	5/10/2013 0:00	-0.234	-0.24
554563	5/11/2013 0:00	-0.232	-0.241
554564	5/12/2013 0:00	-0.243	-0.241
554565	5/13/2013 0:00	-0.269	-0.241
554566	5/14/2013 0:00	-0.247	-0.241
554567	5/15/2013 0:00	-0.223	-0.241
554568	5/16/2013 0:00	-0.247	-0.242
554569	5/17/2013 0:00	-0.248	-0.242
554570	5/18/2013 0:00	-0.227	-0.242
554571	5/19/2013 0:00	-0.237	-0.241
554572	5/20/2013 0:00	-0.23	-0.243
554573	5/21/2013 0:00	-0.248	-0.244
554574	5/22/2013 0:00	-0.247	-0.243
554575	5/23/2013 0:00	-0.244	-0.243
554576	5/24/2013 0:00	-0.269	-0.243
554577	5/25/2013 0:00	-0.255	-0.243
554578	5/26/2013 0:00	-0.242	-0.243
554579	5/27/2013 0:00	-0.241	-0.244
554580	5/28/2013 0:00	-0.235	-0.243
554581	5/29/2013 0:00	-0.24	-0.243
554582	5/30/2013 0:00	-0.223	-0.243
554583	5/31/2013 0:00	-0.235	-0.244
554584	6/1/2013 0:00	-0.239	-0.245
554585	6/2/2013 0:00	-0.254	-0.244
554586	6/3/2013 0:00	-0.233	-0.245
554587	6/4/2013 0:00	-0.259	-0.245
554588	6/5/2013 0:00	-0.269	-0.245
554589	6/6/2013 0:00	-0.24	-0.246
554590	6/7/2013 0:00	-0.249	-0.245
554591	6/8/2013 0:00	-0.25	-0.245
554592	6/9/2013 0:00	-0.226	-0.244
554593	6/10/2013 0:00	-0.228	-0.244
554594	6/11/2013 0:00	-0.258	-0.244
554595	6/12/2013 0:00	-0.223	-0.244

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554596	6/13/2013 0:00	-0.268	-0.243
554597	6/14/2013 0:00	-0.253	-0.244
554598	6/15/2013 0:00	-0.261	-0.244
554599	6/16/2013 0:00	-0.251	-0.244
554600	6/17/2013 0:00	-0.24	-0.243
554601	6/18/2013 0:00	-0.251	-0.243
554602	6/19/2013 0:00	-0.247	-0.242
554603	6/20/2013 0:00	-0.224	-0.242
554604	6/21/2013 0:00	-0.261	-0.241
554605	6/22/2013 0:00	-0.238	-0.241
554606	6/23/2013 0:00	-0.235	-0.241
554607	6/24/2013 0:00	-0.235	-0.241
554608	6/25/2013 0:00	-0.258	-0.241
554609	6/26/2013 0:00	-0.234	-0.243
554610	6/27/2013 0:00	-0.241	-0.243
554611	6/28/2013 0:00	-0.215	-0.243
554612	6/29/2013 0:00	-0.25	-0.242
554613	6/30/2013 0:00	-0.228	-0.242
554614	7/1/2013 0:00	-0.238	-0.242
554615	7/2/2013 0:00	-0.22	-0.242
554616	7/3/2013 0:00	-0.239	-0.242
554617	7/4/2013 0:00	-0.216	-0.242
554618	7/5/2013 0:00	-0.239	-0.242
554619	7/6/2013 0:00	-0.246	-0.241
554620	7/7/2013 0:00	-0.251	-0.241
554621	7/8/2013 0:00	-0.253	-0.24
554622	7/9/2013 0:00	-0.257	-0.241
554623	7/10/2013 0:00	-0.226	-0.241
554624	7/11/2013 0:00	-0.288	-0.24
554625	7/12/2013 0:00	-0.238	-0.24
554626	7/13/2013 0:00	-0.239	-0.24
554627	7/14/2013 0:00	-0.24	-0.241
554628	7/15/2013 0:00	-0.244	-0.241
554629	7/16/2013 0:00	-0.255	-0.242
554630	7/17/2013 0:00	-0.259	-0.242
554631	7/18/2013 0:00	-0.244	-0.243
554632	7/19/2013 0:00	-0.256	-0.244
554633	7/20/2013 0:00	-0.244	-0.245
554634	7/21/2013 0:00	-0.198	-0.245
554635	7/22/2013 0:00	-0.236	-0.245
554636	7/23/2013 0:00	-0.213	-0.244
554637	7/24/2013 0:00	-0.257	-0.244
554638	7/25/2013 0:00	-0.246	-0.244
554639	7/26/2013 0:00	-0.238	-0.244
554640	7/27/2013 0:00	-0.233	-0.242
554641	7/28/2013 0:00	-0.245	-0.242

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554642	7/29/2013 0:00	-0.226	-0.242
554643	7/30/2013 0:00	-0.253	-0.243
554644	7/31/2013 0:00	-0.262	-0.243
554645	8/1/2013 0:00	-0.24	-0.242
554646	8/2/2013 0:00	-0.255	-0.242
554647	8/3/2013 0:00	-0.263	-0.242
554648	8/4/2013 0:00	-0.239	-0.243
554649	8/5/2013 0:00	-0.243	-0.243
554650	8/6/2013 0:00	-0.244	-0.244
554651	8/7/2013 0:00	-0.246	-0.245
554652	8/8/2013 0:00	-0.245	-0.246
554653	8/9/2013 0:00	-0.257	-0.245
554654	8/10/2013 0:00	-0.228	-0.244
554655	8/11/2013 0:00	-0.232	-0.244
554656	8/12/2013 0:00	-0.232	-0.244
554657	8/13/2013 0:00	-0.239	-0.244
554658	8/14/2013 0:00	-0.252	-0.243
554659	8/15/2013 0:00	-0.253	-0.242
554660	8/16/2013 0:00	-0.235	-0.241
554661	8/17/2013 0:00	-0.264	-0.241
554662	8/18/2013 0:00	-0.243	-0.241
554663	8/19/2013 0:00	-0.264	-0.24
554664	8/20/2013 0:00	-0.248	-0.24
554665	8/21/2013 0:00	-0.242	-0.24
554666	8/22/2013 0:00	-0.247	-0.24
554667	8/23/2013 0:00	-0.267	-0.241
554668	9/20/2013 0:00	-0.228	-0.241
554669	9/21/2013 0:00	-0.208	-0.24
554670	9/22/2013 0:00	-0.225	-0.24
554671	9/23/2013 0:00	-0.231	-0.241
554672	9/24/2013 0:00	-0.244	-0.242
554673	9/25/2013 0:00	-0.218	-0.242
554674	9/26/2013 0:00	-0.21	-0.242
554675	9/27/2013 0:00	-0.238	-0.241
554676	9/28/2013 0:00	-0.233	-0.241
554677	9/29/2013 0:00	-0.246	-0.241
554678	9/30/2013 0:00	-0.248	-0.242
554679	10/1/2013 0:00	-0.235	-0.241
554680	10/2/2013 0:00	-0.244	-0.241
554681	10/3/2013 0:00	-0.232	-0.241
554682	10/4/2013 0:00	-0.272	-0.24
554683	10/5/2013 0:00	-0.258	-0.239
554684	10/6/2013 0:00	-0.227	-0.239
554685	10/7/2013 0:00	-0.228	-0.24
554686	10/8/2013 0:00	-0.254	-0.241
554687	10/9/2013 0:00	-0.259	-0.24

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554688	10/10/2013 0:00	-0.253	-0.241
554689	10/11/2013 0:00	-0.244	-0.242
554690	10/12/2013 0:00	-0.239	-0.244
554691	10/13/2013 0:00	-0.218	-0.244
554692	10/14/2013 0:00	-0.278	-0.244
554693	10/15/2013 0:00	-0.262	-0.245
554694	10/16/2013 0:00	-0.247	-0.244
554695	10/17/2013 0:00	-0.247	-0.246
554696	10/18/2013 0:00	-0.224	-0.245
554697	10/19/2013 0:00	-0.232	-0.243
554698	10/20/2013 0:00	-0.231	-0.241
554699	10/21/2013 0:00	-0.219	-0.24
554700	10/22/2013 0:00	-0.25	-0.241
554701	10/23/2013 0:00	-0.248	-0.242
554702	10/24/2013 0:00	-0.208	-0.241
554703	10/25/2013 0:00	-0.258	-0.239
554704	10/26/2013 0:00	-0.254	-0.238
554705	10/27/2013 0:00	-0.267	-0.239
554706	10/28/2013 0:00	-0.263	-0.24
554707	10/29/2013 0:00	-0.225	-0.241
554708	10/30/2013 0:00	-0.265	-0.239
554709	10/31/2013 0:00	-0.238	-0.237
554710	11/1/2013 0:00	-0.279	-0.237
554711	11/2/2013 0:00	-0.212	-0.237
554712	11/3/2013 0:00	-0.187	-0.237
554713	11/4/2013 0:00	-0.188	-0.237
554714	11/5/2013 0:00	-0.234	-0.237
554715	11/6/2013 0:00	-0.259	-0.238
554716	11/7/2013 0:00	-0.266	-0.239
554717	11/8/2013 0:00	-0.221	-0.239
554718	11/9/2013 0:00	-0.192	-0.241
554719	11/10/2013 0:00	-0.234	-0.241
554720	11/11/2013 0:00	-0.262	-0.242
554721	11/12/2013 0:00	-0.261	-0.241
554722	11/13/2013 0:00	-0.272	-0.24
554723	11/14/2013 0:00	-0.192	-0.242
554724	11/15/2013 0:00	-0.216	-0.243
554725	11/16/2013 0:00	-0.243	-0.245
554726	11/17/2013 0:00	-0.244	-0.243
554727	11/18/2013 0:00	-0.234	-0.245
554728	11/19/2013 0:00	-0.225	-0.246
554729	11/20/2013 0:00	-0.242	-0.248
554730	11/21/2013 0:00	-0.239	-0.25
554731	11/22/2013 0:00	-0.267	-0.25
554732	11/23/2013 0:00	-0.255	-0.249
554733	11/24/2013 0:00	-0.282	-0.252

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554734	11/25/2013 0:00	-0.25	-0.254
554735	11/26/2013 0:00	-0.281	-0.255
554736	11/27/2013 0:00	-0.254	-0.254
554737	11/28/2013 0:00	-0.234	-0.253
554738	11/29/2013 0:00	-0.262	-0.253
554739	11/30/2013 0:00	-0.293	-0.256
554740	12/1/2013 0:00	-0.301	-0.257
554741	12/2/2013 0:00	-0.23	-0.257
554742	12/3/2013 0:00	-0.264	-0.257
554743	12/4/2013 0:00	-0.236	-0.256
554744	12/5/2013 0:00	-0.251	-0.257
554745	12/6/2013 0:00	-0.278	-0.258
554746	12/7/2013 0:00	-0.259	-0.259
554747	12/8/2013 0:00	-0.253	-0.259
554748	12/9/2013 0:00	-0.29	-0.259
554749	12/10/2013 0:00	-0.279	-0.258
554750	12/11/2013 0:00	-0.24	-0.26
554751	12/12/2013 0:00	-0.25	-0.26
554752	12/13/2013 0:00	-0.237	-0.261
554753	12/14/2013 0:00	-0.261	-0.262
554754	12/15/2013 0:00	-0.286	-0.262
554755	12/16/2013 0:00	-0.247	-0.263
554756	12/17/2013 0:00	-0.255	-0.263
554757	12/18/2013 0:00	-0.222	-0.264
554758	12/19/2013 0:00	-0.225	-0.263
554759	12/20/2013 0:00	-0.233	-0.264
554760	12/21/2013 0:00	-0.275	-0.265
554761	12/22/2013 0:00	-0.278	-0.265
554762	12/23/2013 0:00	-0.257	-0.266
554763	12/24/2013 0:00	-0.257	-0.266
554764	12/25/2013 0:00	-0.274	-0.266
554765	12/26/2013 0:00	-0.311	-0.265
554766	12/27/2013 0:00	-0.283	-0.265
554767	12/28/2013 0:00	-0.258	-0.265
554768	12/29/2013 0:00	-0.281	-0.266
554769	12/30/2013 0:00	-0.27	-0.267
554770	12/31/2013 0:00	-0.311	-0.267
554771	1/1/2014 0:00	-0.301	-0.267
554772	1/2/2014 0:00	-0.274	-0.267
554773	1/3/2014 0:00	-0.23	-0.269
554774	1/4/2014 0:00	-0.254	-0.27
554775	1/5/2014 0:00	-0.287	-0.271
554776	1/6/2014 0:00	-0.275	-0.271
554777	1/7/2014 0:00	-0.283	-0.271
554778	1/8/2014 0:00	-0.265	-0.271
554779	1/9/2014 0:00	-0.279	-0.272

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554780	1/10/2014 0:00	-0.255	-0.272
554781	1/11/2014 0:00	-0.255	-0.272
554782	1/12/2014 0:00	-0.226	-0.271
554783	1/13/2014 0:00	-0.282	-0.272
554784	1/14/2014 0:00	-0.281	-0.271
554785	1/15/2014 0:00	-0.279	-0.27
554786	1/16/2014 0:00	-0.268	-0.268
554787	1/17/2014 0:00	-0.253	-0.267
554788	1/18/2014 0:00	-0.276	-0.267
554789	1/19/2014 0:00	-0.258	-0.268
554790	1/20/2014 0:00	-0.262	-0.269
554791	1/21/2014 0:00	-0.29	-0.268
554792	1/22/2014 0:00	-0.267	-0.267
554793	1/23/2014 0:00	-0.271	-0.267
554794	1/24/2014 0:00	-0.277	-0.266
554795	1/25/2014 0:00	-0.283	-0.265
554796	1/26/2014 0:00	-0.286	-0.266
554797	1/27/2014 0:00	-0.269	-0.266
554798	1/28/2014 0:00	-0.286	-0.266
554799	1/29/2014 0:00	-0.25	-0.266
554800	1/30/2014 0:00	-0.224	-0.264
554801	1/31/2014 0:00	-0.267	-0.264
554802	2/1/2014 0:00	-0.261	-0.264
554803	2/2/2014 0:00	-0.293	-0.264
554804	2/3/2014 0:00	-0.254	-0.264
554805	2/4/2014 0:00	-0.272	-0.263
554806	2/5/2014 0:00	-0.259	-0.263
554807	2/6/2014 0:00	-0.256	-0.261
554808	2/7/2014 0:00	-0.262	-0.262
554809	2/8/2014 0:00	-0.248	-0.263
554810	2/9/2014 0:00	-0.257	-0.262
554811	2/10/2014 0:00	-0.26	-0.263
554812	2/11/2014 0:00	-0.257	-0.262
554813	2/12/2014 0:00	-0.249	-0.261
554814	2/13/2014 0:00	-0.263	-0.259
554815	2/14/2014 0:00	-0.234	-0.261
554816	2/15/2014 0:00	-0.263	-0.263
554817	2/16/2014 0:00	-0.261	-0.265
554818	2/17/2014 0:00	-0.263	-0.267
554819	2/18/2014 0:00	-0.268	-0.266
554820	2/19/2014 0:00	-0.237	-0.267
554821	2/20/2014 0:00	-0.252	-0.267
554822	2/21/2014 0:00	-0.257	-0.268
554823	2/22/2014 0:00	-0.299	-0.269
554824	2/23/2014 0:00	-0.292	-0.27
554825	2/24/2014 0:00	-0.255	-0.271

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554826	2/25/2014 0:00	-0.289	-0.272
554827	2/26/2014 0:00	-0.253	-0.271
554828	2/27/2014 0:00	-0.261	-0.271
554829	2/28/2014 0:00	-0.222	-0.272
554830	3/1/2014 0:00	-0.317	-0.273
554831	3/2/2014 0:00	-0.285	-0.275
554832	3/3/2014 0:00	-0.308	-0.274
554833	3/4/2014 0:00	-0.324	-0.274
554834	3/5/2014 0:00	-0.281	-0.274
554835	3/6/2014 0:00	-0.289	-0.274
554836	3/7/2014 0:00	-0.257	-0.276
554837	3/8/2014 0:00	-0.286	-0.277
554838	3/9/2014 0:00	-0.289	-0.277
554839	3/10/2014 0:00	-0.286	-0.276
554840	3/11/2014 0:00	-0.283	-0.276
554841	3/12/2014 0:00	-0.281	-0.276
554842	3/13/2014 0:00	-0.245	-0.276
554843	3/14/2014 0:00	-0.261	-0.277
554844	3/15/2014 0:00	-0.283	-0.276
554845	3/16/2014 0:00	-0.295	-0.278
554846	3/17/2014 0:00	-0.275	-0.276
554847	3/18/2014 0:00	-0.233	-0.277
554848	3/19/2014 0:00	-0.257	-0.276
554849	3/20/2014 0:00	-0.266	-0.275
554850	3/21/2014 0:00	-0.271	-0.275
554851	3/22/2014 0:00	-0.294	-0.274
554852	3/23/2014 0:00	-0.282	-0.275
554853	3/24/2014 0:00	-0.264	-0.275
554854	3/25/2014 0:00	-0.263	-0.275
554855	3/26/2014 0:00	-0.306	-0.276
554856	3/27/2014 0:00	-0.258	-0.278
554857	3/28/2014 0:00	-0.274	-0.278
554858	3/29/2014 0:00	-0.293	-0.279
554859	3/30/2014 0:00	-0.241	-0.28
554860	3/31/2014 0:00	-0.273	-0.28
554861	4/1/2014 0:00	-0.264	-0.279
554862	4/2/2014 0:00	-0.319	-0.28
554863	4/3/2014 0:00	-0.274	-0.281
554864	4/4/2014 0:00	-0.288	-0.281
554865	4/5/2014 0:00	-0.261	-0.284
554866	4/6/2014 0:00	-0.275	-0.285
554867	4/7/2014 0:00	-0.286	-0.284
554868	4/8/2014 0:00	-0.292	-0.284
554869	4/9/2014 0:00	-0.288	-0.284
554870	4/10/2014 0:00	-0.308	-0.284
554871	4/11/2014 0:00	-0.34	-0.282

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554872	4/12/2014 0:00	-0.289	-0.283
554873	4/13/2014 0:00	-0.282	-0.283
554874	4/14/2014 0:00	-0.284	-0.283
554875	4/15/2014 0:00	-0.289	-0.284
554876	4/16/2014 0:00	-0.274	-0.285
554877	4/17/2014 0:00	-0.287	-0.286
554878	4/18/2014 0:00	-0.264	-0.285
554879	4/19/2014 0:00	-0.275	-0.285
554880	4/20/2014 0:00	-0.335	-0.285
554881	4/21/2014 0:00	-0.308	-0.285
554882	4/22/2014 0:00	-0.271	-0.285
554883	4/23/2014 0:00	-0.274	-0.286
554884	4/24/2014 0:00	-0.275	-0.285
554885	4/25/2014 0:00	-0.268	-0.285
554886	4/26/2014 0:00	-0.238	-0.284
554887	4/27/2014 0:00	-0.278	-0.282
554888	4/28/2014 0:00	-0.279	-0.283
554889	4/29/2014 0:00	-0.288	-0.283
554890	4/30/2014 0:00	-0.288	-0.284
554891	5/1/2014 0:00	-0.307	-0.283
554892	5/2/2014 0:00	-0.267	-0.284
554893	5/3/2014 0:00	-0.306	-0.284
554894	5/4/2014 0:00	-0.27	-0.285
554895	5/5/2014 0:00	-0.294	-0.286
554896	5/6/2014 0:00	-0.253	-0.285
554897	5/7/2014 0:00	-0.269	-0.285
554898	5/8/2014 0:00	-0.314	-0.285
554899	5/9/2014 0:00	-0.271	-0.285
554900	5/10/2014 0:00	-0.284	-0.285
554901	5/11/2014 0:00	-0.267	-0.286
554902	5/12/2014 0:00	-0.291	-0.288
554903	5/13/2014 0:00	-0.317	-0.289
554904	5/14/2014 0:00	-0.292	-0.29
554905	5/15/2014 0:00	-0.32	-0.291
554906	5/16/2014 0:00	-0.263	-0.291
554907	5/17/2014 0:00	-0.282	-0.291
554908	5/18/2014 0:00	-0.288	-0.291
554909	5/19/2014 0:00	-0.296	-0.291
554910	5/20/2014 0:00	-0.32	-0.292
554911	5/21/2014 0:00	-0.304	-0.291
554912	5/22/2014 0:00	-0.307	-0.292
554913	5/23/2014 0:00	-0.255	-0.293
554914	5/24/2014 0:00	-0.273	-0.293
554915	5/25/2014 0:00	-0.301	-0.293
554916	5/26/2014 0:00	-0.296	-0.294
554917	5/27/2014 0:00	-0.307	-0.295

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554918	5/28/2014 0:00	-0.3	-0.295
554919	5/29/2014 0:00	-0.305	-0.295
554920	5/30/2014 0:00	-0.312	-0.295
554921	5/31/2014 0:00	-0.303	-0.295
554922	6/1/2014 0:00	-0.296	-0.296
554923	6/2/2014 0:00	-0.278	-0.297
554924	6/3/2014 0:00	-0.294	-0.297
554925	6/4/2014 0:00	-0.306	-0.297
554926	6/5/2014 0:00	-0.264	-0.296
554927	6/6/2014 0:00	-0.287	-0.296
554928	6/7/2014 0:00	-0.287	-0.296
554929	6/8/2014 0:00	-0.316	-0.297
554930	6/9/2014 0:00	-0.288	-0.298
554931	6/10/2014 0:00	-0.302	-0.298
554932	6/11/2014 0:00	-0.298	-0.298
554933	6/12/2014 0:00	-0.304	-0.298
554934	6/13/2014 0:00	-0.295	-0.297
554935	6/14/2014 0:00	-0.297	-0.295
554936	6/15/2014 0:00	-0.313	-0.295
554937	6/16/2014 0:00	-0.298	-0.295
554938	6/17/2014 0:00	-0.31	-0.296
554939	6/18/2014 0:00	-0.295	-0.297
554940	6/19/2014 0:00	-0.299	-0.297
554941	6/20/2014 0:00	-0.294	-0.296
554942	6/21/2014 0:00	-0.286	-0.297
554943	6/22/2014 0:00	-0.308	-0.298
554944	6/23/2014 0:00	-0.304	-0.299
554945	6/24/2014 0:00	-0.303	-0.297
554946	6/25/2014 0:00	-0.292	-0.297
554947	6/26/2014 0:00	-0.29	-0.296
554948	6/27/2014 0:00	-0.3	-0.296
554949	6/28/2014 0:00	-0.27	-0.296
554950	6/29/2014 0:00	-0.258	-0.295
554951	6/30/2014 0:00	-0.313	-0.294
554952	7/1/2014 0:00	-0.307	-0.292
554953	7/2/2014 0:00	-0.332	-0.291
554954	7/3/2014 0:00	-0.302	-0.291
554955	7/4/2014 0:00	-0.304	-0.291
554956	7/5/2014 0:00	-0.263	-0.291
554957	7/6/2014 0:00	-0.305	-0.289
554958	7/7/2014 0:00	-0.321	-0.29
554959	7/8/2014 0:00	-0.292	-0.29
554960	7/9/2014 0:00	-0.278	-0.29
554961	7/10/2014 0:00	-0.272	-0.29
554962	7/11/2014 0:00	-0.272	-0.29
554963	7/12/2014 0:00	-0.298	-0.29

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
554964	7/13/2014 0:00	-0.305	-0.29
554965	7/14/2014 0:00	-0.276	-0.291
554966	7/15/2014 0:00	-0.249	-0.293
554967	7/16/2014 0:00	-0.256	-0.293
554968	7/17/2014 0:00	-0.271	-0.292
554969	7/18/2014 0:00	-0.303	-0.291
554970	7/19/2014 0:00	-0.307	-0.291
554971	7/20/2014 0:00	-0.279	-0.292
554972	7/21/2014 0:00	-0.252	-0.294
554973	7/22/2014 0:00	-0.301	-0.294
554974	7/23/2014 0:00	-0.304	-0.293
554975	7/24/2014 0:00	-0.316	-0.293
554976	7/25/2014 0:00	-0.311	-0.294
554977	7/26/2014 0:00	-0.278	-0.295
554978	7/27/2014 0:00	-0.285	-0.297
554979	7/28/2014 0:00	-0.296	-0.298
554980	7/29/2014 0:00	-0.318	-0.298
554981	7/30/2014 0:00	-0.302	-0.299
554982	7/31/2014 0:00	-0.319	-0.302
554983	8/1/2014 0:00	-0.297	-0.304
554984	8/2/2014 0:00	-0.299	-0.305
554985	8/3/2014 0:00	-0.299	-0.305
554986	8/4/2014 0:00	-0.335	-0.305
554987	8/5/2014 0:00	-0.326	-0.306
554988	8/6/2014 0:00	-0.289	-0.308
554989	8/7/2014 0:00	-0.285	-0.309
554990	8/8/2014 0:00	-0.298	-0.309
554991	8/9/2014 0:00	-0.317	-0.31
554992	8/10/2014 0:00	-0.313	-0.309
554993	8/11/2014 0:00	-0.322	-0.312
554994	8/12/2014 0:00	-0.314	-0.313
554995	8/13/2014 0:00	-0.317	-0.313
554996	8/14/2014 0:00	-0.311	-0.312
554997	8/15/2014 0:00	-0.327	-0.313
554998	8/16/2014 0:00	-0.319	-0.312
554999	8/17/2014 0:00	-0.31	-0.312
555000	8/18/2014 0:00	-0.308	-0.312
555001	8/19/2014 0:00	-0.316	-0.312
555002	8/20/2014 0:00	-0.309	-0.312
555003	8/21/2014 0:00	-0.311	-0.311
555004	8/22/2014 0:00	-0.313	-0.313
555005	8/23/2014 0:00	-0.311	-0.314
555006	8/24/2014 0:00	-0.346	-0.315
555007	8/25/2014 0:00	-0.301	-0.315
555008	8/26/2014 0:00	-0.351	-0.316
555009	8/27/2014 0:00	-0.327	-0.315

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555010	8/28/2014 0:00	-0.3	-0.316
555011	8/29/2014 0:00	-0.286	-0.315
555012	8/30/2014 0:00	-0.331	-0.315
555013	8/31/2014 0:00	-0.28	-0.315
555014	9/1/2014 0:00	-0.306	-0.316
555015	9/2/2014 0:00	-0.306	-0.317
555016	9/3/2014 0:00	-0.293	-0.317
555017	9/4/2014 0:00	-0.316	-0.317
555018	9/5/2014 0:00	-0.319	-0.318
555019	9/6/2014 0:00	-0.331	-0.319
555020	9/7/2014 0:00	-0.331	-0.32
555021	9/8/2014 0:00	-0.334	-0.32
555022	9/9/2014 0:00	-0.32	-0.319
555023	9/10/2014 0:00	-0.34	-0.322
555024	9/11/2014 0:00	-0.294	-0.321
555025	9/12/2014 0:00	-0.323	-0.321
555026	9/13/2014 0:00	-0.303	-0.323
555027	9/14/2014 0:00	-0.311	-0.324
555028	9/15/2014 0:00	-0.325	-0.324
555029	9/16/2014 0:00	-0.357	-0.326
555030	9/17/2014 0:00	-0.322	-0.327
555031	9/18/2014 0:00	-0.317	-0.328
555032	9/19/2014 0:00	-0.318	-0.33
555033	9/20/2014 0:00	-0.336	-0.331
555034	9/21/2014 0:00	-0.338	-0.332
555035	9/22/2014 0:00	-0.336	-0.332
555036	9/23/2014 0:00	-0.326	-0.332
555037	9/24/2014 0:00	-0.318	-0.333
555038	9/25/2014 0:00	-0.372	-0.333
555039	9/26/2014 0:00	-0.35	-0.333
555040	9/27/2014 0:00	-0.317	-0.334
555041	9/28/2014 0:00	-0.344	-0.334
555042	9/29/2014 0:00	-0.323	-0.336
555043	9/30/2014 0:00	-0.349	-0.337
555044	10/1/2014 0:00	-0.342	-0.337
555045	10/2/2014 0:00	-0.333	-0.337
555046	10/3/2014 0:00	-0.338	-0.338
555047	10/4/2014 0:00	-0.332	-0.339
555048	10/5/2014 0:00	-0.349	-0.34
555049	10/6/2014 0:00	-0.359	-0.34
555050	10/7/2014 0:00	-0.332	-0.34
555051	10/8/2014 0:00	-0.334	-0.341
555052	10/9/2014 0:00	-0.35	-0.341
555053	10/10/2014 0:00	-0.335	-0.342
555054	10/11/2014 0:00	-0.349	-0.341
555055	10/12/2014 0:00	-0.325	-0.34

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555056	10/13/2014 0:00	-0.328	-0.341
555057	10/14/2014 0:00	-0.343	-0.341
555058	10/15/2014 0:00	-0.339	-0.342
555059	10/16/2014 0:00	-0.345	-0.341
555060	10/17/2014 0:00	-0.345	-0.341
555061	10/18/2014 0:00	-0.37	-0.342
555062	10/19/2014 0:00	-0.34	-0.343
555063	10/20/2014 0:00	-0.351	-0.343
555064	10/21/2014 0:00	-0.324	-0.343
555065	10/22/2014 0:00	-0.358	-0.341
555066	10/23/2014 0:00	-0.345	-0.341
555067	10/24/2014 0:00	-0.341	-0.341
555068	10/25/2014 0:00	-0.348	-0.34
555069	10/26/2014 0:00	-0.341	-0.338
555070	10/27/2014 0:00	-0.324	-0.336
555071	10/28/2014 0:00	-0.33	-0.336
555072	10/29/2014 0:00	-0.351	-0.335
555073	10/30/2014 0:00	-0.355	-0.335
555074	10/31/2014 0:00	-0.318	-0.335
555075	11/1/2014 0:00	-0.344	-0.333
555076	11/2/2014 0:00	-0.355	-0.333
555077	11/3/2014 0:00	-0.36	-0.332
555078	11/4/2014 0:00	-0.359	-0.331
555079	11/5/2014 0:00	-0.324	-0.33
555080	11/6/2014 0:00	-0.319	-0.33
555081	11/7/2014 0:00	-0.324	-0.327
555082	11/8/2014 0:00	-0.334	-0.325
555083	11/9/2014 0:00	-0.321	-0.325
555084	11/10/2014 0:00	-0.281	-0.324
555085	11/11/2014 0:00	-0.275	-0.324
555086	11/12/2014 0:00	-0.317	-0.324
555087	11/13/2014 0:00	-0.313	-0.325
555088	11/14/2014 0:00	-0.342	-0.323
555089	11/15/2014 0:00	-0.323	-0.323
555090	11/16/2014 0:00	-0.293	-0.324
555091	11/17/2014 0:00	-0.348	-0.323
555092	11/18/2014 0:00	-0.327	-0.323
555093	11/19/2014 0:00	-0.326	-0.322
555094	11/20/2014 0:00	-0.323	-0.321
555095	11/21/2014 0:00	-0.296	-0.321
555096	11/22/2014 0:00	-0.277	-0.321
555097	11/23/2014 0:00	-0.286	-0.322
555098	11/24/2014 0:00	-0.334	-0.323
555099	11/25/2014 0:00	-0.335	-0.324
555100	11/26/2014 0:00	-0.334	-0.327
555101	11/27/2014 0:00	-0.334	-0.329

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555102	11/28/2014 0:00	-0.338	-0.33
555103	11/29/2014 0:00	-0.314	-0.331
555104	11/30/2014 0:00	-0.336	-0.33
555105	12/1/2014 0:00	-0.341	-0.331
555106	12/2/2014 0:00	-0.334	-0.333
555107	12/3/2014 0:00	-0.351	-0.333
555108	12/4/2014 0:00	-0.339	-0.334
555109	12/5/2014 0:00	-0.298	-0.336
555110	12/6/2014 0:00	-0.343	-0.336
555111	12/7/2014 0:00	-0.323	-0.338
555112	12/8/2014 0:00	-0.342	-0.341
555113	12/9/2014 0:00	-0.356	-0.343
555114	12/10/2014 0:00	-0.355	-0.343
555115	12/11/2014 0:00	-0.394	-0.343
555116	12/12/2014 0:00	-0.333	-0.344
555117	12/13/2014 0:00	-0.348	-0.345
555118	12/14/2014 0:00	-0.336	-0.345
555119	12/15/2014 0:00	-0.329	-0.346
555120	12/16/2014 0:00	-0.352	-0.347
555121	12/17/2014 0:00	-0.328	-0.347
555122	12/18/2014 0:00	-0.359	-0.348
555123	12/19/2014 0:00	-0.372	-0.348
555124	12/20/2014 0:00	-0.366	-0.349
555125	12/21/2014 0:00	-0.346	-0.351
555126	12/22/2014 0:00	-0.35	-0.352
555127	12/23/2014 0:00	-0.362	-0.353
555128	12/24/2014 0:00	-0.35	-0.353
555129	12/25/2014 0:00	-0.322	-0.353
555130	12/26/2014 0:00	-0.354	-0.353
555131	12/27/2014 0:00	-0.357	-0.352
555132	12/28/2014 0:00	-0.36	-0.353
555133	12/29/2014 0:00	-0.342	-0.353
555134	12/30/2014 0:00	-0.34	-0.355
555135	12/31/2014 0:00	-0.369	-0.357
555136	1/1/2015 0:00	-0.335	-0.358
555137	1/2/2015 0:00	-0.365	-0.359
555138	1/3/2015 0:00	-0.368	-0.359
555139	1/4/2015 0:00	-0.375	-0.359
555140	1/5/2015 0:00	-0.362	-0.359
555141	1/6/2015 0:00	-0.368	-0.36
555142	1/7/2015 0:00	-0.353	-0.361
555143	1/8/2015 0:00	-0.342	-0.361
555144	1/9/2015 0:00	-0.363	-0.361
555145	1/10/2015 0:00	-0.351	-0.362
555146	1/11/2015 0:00	-0.345	-0.363
555147	1/12/2015 0:00	-0.359	-0.363

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555148	1/13/2015 0:00	-0.372	-0.363
555149	1/14/2015 0:00	-0.387	-0.364
555150	1/15/2015 0:00	-0.394	-0.366
555151	1/16/2015 0:00	-0.379	-0.367
555152	1/17/2015 0:00	-0.359	-0.369
555153	1/18/2015 0:00	-0.358	-0.369
555154	1/19/2015 0:00	-0.37	-0.369
555155	1/20/2015 0:00	-0.379	-0.369
555156	1/21/2015 0:00	-0.371	-0.369
555157	1/22/2015 0:00	-0.375	-0.37
555158	1/23/2015 0:00	-0.359	-0.371
555159	1/24/2015 0:00	-0.354	-0.371
555160	1/25/2015 0:00	-0.37	-0.371
555161	1/26/2015 0:00	-0.38	-0.372
555162	1/27/2015 0:00	-0.345	-0.373
555163	1/28/2015 0:00	-0.363	-0.374
555164	1/29/2015 0:00	-0.384	-0.374
555165	1/30/2015 0:00	-0.404	-0.374
555166	1/31/2015 0:00	-0.387	-0.373
555167	2/1/2015 0:00	-0.386	-0.373
555168	2/2/2015 0:00	-0.374	-0.373
555169	2/3/2015 0:00	-0.369	-0.374
555170	2/4/2015 0:00	-0.378	-0.374
555171	2/5/2015 0:00	-0.369	-0.374
555172	2/6/2015 0:00	-0.393	-0.374
555173	2/7/2015 0:00	-0.375	-0.374
555174	2/8/2015 0:00	-0.346	-0.373
555175	2/9/2015 0:00	-0.363	-0.375
555176	2/10/2015 0:00	-0.381	-0.375
555177	2/11/2015 0:00	-0.391	-0.375
555178	2/12/2015 0:00	-0.381	-0.377
555179	2/13/2015 0:00	-0.372	-0.375
555180	2/14/2015 0:00	-0.374	-0.375
555181	2/15/2015 0:00	-0.362	-0.374
555182	2/16/2015 0:00	-0.381	-0.374
555183	2/17/2015 0:00	-0.379	-0.373
555184	2/18/2015 0:00	-0.384	-0.374
555185	2/19/2015 0:00	-0.379	-0.374
555186	2/20/2015 0:00	-0.356	-0.374
555187	2/21/2015 0:00	-0.388	-0.375
555188	2/22/2015 0:00	-0.361	-0.374
555189	2/23/2015 0:00	-0.347	-0.374
555190	2/24/2015 0:00	-0.4	-0.374
555191	2/25/2015 0:00	-0.381	-0.374
555192	2/26/2015 0:00	-0.386	-0.373
555193	2/27/2015 0:00	-0.378	-0.372

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555194	2/28/2015 0:00	-0.329	-0.372
555195	3/1/2015 0:00	-0.374	-0.372
555196	3/2/2015 0:00	-0.381	-0.372
555197	3/3/2015 0:00	-0.377	-0.373
555198	3/4/2015 0:00	-0.359	-0.373
555199	3/5/2015 0:00	-0.388	-0.373
555200	3/6/2015 0:00	-0.392	-0.373
555201	3/7/2015 0:00	-0.35	-0.372
555202	3/8/2015 0:00	-0.422	-0.373
555203	3/9/2015 0:00	-0.365	-0.371
555204	3/10/2015 0:00	-0.359	-0.371
555205	3/11/2015 0:00	-0.365	-0.372
555206	3/12/2015 0:00	-0.343	-0.373
555207	3/13/2015 0:00	-0.358	-0.373
555208	3/14/2015 0:00	-0.363	-0.372
555209	3/15/2015 0:00	-0.373	-0.372
555210	3/16/2015 0:00	-0.374	-0.373
555211	3/17/2015 0:00	-0.371	-0.373
555212	3/18/2015 0:00	-0.4	-0.373
555213	3/19/2015 0:00	-0.385	-0.372
555214	3/20/2015 0:00	-0.378	-0.373
555215	3/21/2015 0:00	-0.367	-0.373
555216	3/22/2015 0:00	-0.364	-0.373
555217	3/23/2015 0:00	-0.373	-0.374
555218	3/24/2015 0:00	-0.35	-0.372
555219	3/25/2015 0:00	-0.352	-0.372
555220	3/26/2015 0:00	-0.387	-0.373
555221	3/27/2015 0:00	-0.409	-0.373
555222	3/28/2015 0:00	-0.373	-0.374
555223	3/29/2015 0:00	-0.356	-0.375
555224	3/30/2015 0:00	-0.38	-0.375
555225	3/31/2015 0:00	-0.388	-0.375
555226	4/1/2015 0:00	-0.347	-0.375
555227	4/2/2015 0:00	-0.387	-0.374
555228	4/3/2015 0:00	-0.361	-0.374
555229	4/4/2015 0:00	-0.383	-0.374
555230	4/5/2015 0:00	-0.393	-0.373
555231	4/6/2015 0:00	-0.373	-0.374
555232	4/7/2015 0:00	-0.394	-0.374
555233	4/8/2015 0:00	-0.352	-0.374
555234	4/9/2015 0:00	-0.372	-0.376
555235	4/10/2015 0:00	-0.393	-0.376
555236	4/11/2015 0:00	-0.361	-0.377
555237	4/12/2015 0:00	-0.364	-0.376
555238	4/13/2015 0:00	-0.399	-0.378
555239	4/14/2015 0:00	-0.379	-0.379

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555240	4/15/2015 0:00	-0.348	-0.379
555241	4/16/2015 0:00	-0.375	-0.378
555242	4/17/2015 0:00	-0.345	-0.38
555243	4/18/2015 0:00	-0.4	-0.381
555244	4/19/2015 0:00	-0.38	-0.383
555245	4/20/2015 0:00	-0.359	-0.384
555246	4/21/2015 0:00	-0.387	-0.383
555247	4/22/2015 0:00	-0.378	-0.384
555248	4/23/2015 0:00	-0.383	-0.384
555249	4/24/2015 0:00	-0.388	-0.386
555250	4/25/2015 0:00	-0.371	-0.387
555251	4/26/2015 0:00	-0.409	-0.387
555252	4/27/2015 0:00	-0.391	-0.389
555253	4/28/2015 0:00	-0.425	-0.39
555254	4/29/2015 0:00	-0.375	-0.391
555255	4/30/2015 0:00	-0.378	-0.391
555256	5/1/2015 0:00	-0.378	-0.393
555257	5/2/2015 0:00	-0.412	-0.394
555258	5/3/2015 0:00	-0.415	-0.396
555259	5/4/2015 0:00	-0.408	-0.396
555260	5/5/2015 0:00	-0.407	-0.397
555261	5/6/2015 0:00	-0.385	-0.398
555262	5/7/2015 0:00	-0.4	-0.399
555263	5/8/2015 0:00	-0.378	-0.4
555264	5/9/2015 0:00	-0.408	-0.401
555265	5/10/2015 0:00	-0.413	-0.401
555266	5/11/2015 0:00	-0.398	-0.404
555267	5/12/2015 0:00	-0.409	-0.406
555268	5/13/2015 0:00	-0.416	-0.409
555269	5/14/2015 0:00	-0.413	-0.41
555270	5/15/2015 0:00	-0.395	-0.413
555271	5/16/2015 0:00	-0.402	-0.416
555272	5/17/2015 0:00	-0.416	-0.42
555273	5/18/2015 0:00	-0.407	-0.422
555274	5/19/2015 0:00	-0.387	-0.424
555275	5/20/2015 0:00	-0.404	-0.426
555276	5/21/2015 0:00	-0.395	-0.428
555277	5/22/2015 0:00	-0.411	-0.43
555278	5/23/2015 0:00	-0.428	-0.433
555279	5/24/2015 0:00	-0.409	-0.436
555280	5/25/2015 0:00	-0.397	-0.439
555281	5/26/2015 0:00	-0.445	-0.441
555282	5/27/2015 0:00	-0.477	-0.443
555283	5/28/2015 0:00	-0.477	-0.445
555284	5/29/2015 0:00	-0.465	-0.447
555285	5/30/2015 0:00	-0.477	-0.449

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555286	5/31/2015 0:00	-0.47	-0.451
555287	6/1/2015 0:00	-0.488	-0.454
555288	6/2/2015 0:00	-0.483	-0.456
555289	6/3/2015 0:00	-0.475	-0.457
555290	6/4/2015 0:00	-0.462	-0.461
555291	6/5/2015 0:00	-0.467	-0.462
555292	6/6/2015 0:00	-0.472	-0.464
555293	6/7/2015 0:00	-0.469	-0.466
555294	6/8/2015 0:00	-0.494	-0.467
555295	6/9/2015 0:00	-0.49	-0.469
555296	6/10/2015 0:00	-0.468	-0.472
555297	6/11/2015 0:00	-0.46	-0.473
555298	6/12/2015 0:00	-0.479	-0.473
555299	6/13/2015 0:00	-0.459	-0.473
555300	6/14/2015 0:00	-0.484	-0.473
555301	6/15/2015 0:00	-0.469	-0.473
555302	6/16/2015 0:00	-0.479	-0.473
555303	6/17/2015 0:00	-0.475	-0.472
555304	6/18/2015 0:00	-0.465	-0.471
555305	6/19/2015 0:00	-0.482	-0.471
555306	6/20/2015 0:00	-0.452	-0.471
555307	6/21/2015 0:00	-0.456	-0.471
555308	6/22/2015 0:00	-0.468	-0.471
555309	6/23/2015 0:00	-0.462	-0.471
555310	6/24/2015 0:00	-0.476	-0.469
555311	6/25/2015 0:00	-0.474	-0.468
555312	6/26/2015 0:00	-0.482	-0.467
555313	6/27/2015 0:00	-0.478	-0.467
555314	6/28/2015 0:00	-0.484	-0.466
555315	6/29/2015 0:00	-0.466	-0.466
555316	6/30/2015 0:00	-0.466	-0.465
555317	7/1/2015 0:00	-0.474	-0.465
555318	7/2/2015 0:00	-0.452	-0.465
555319	7/3/2015 0:00	-0.463	-0.465
555320	7/4/2015 0:00	-0.482	-0.465
555321	7/5/2015 0:00	-0.465	-0.464
555322	7/6/2015 0:00	-0.471	-0.464
555323	7/7/2015 0:00	-0.449	-0.465
555324	7/8/2015 0:00	-0.467	-0.464
555325	7/9/2015 0:00	-0.449	-0.464
555326	7/10/2015 0:00	-0.437	-0.464
555327	7/11/2015 0:00	-0.461	-0.464
555328	7/12/2015 0:00	-0.464	-0.463
555329	7/13/2015 0:00	-0.441	-0.463
555330	7/14/2015 0:00	-0.451	-0.462
555331	7/15/2015 0:00	-0.466	-0.462

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555332	7/16/2015 0:00	-0.458	-0.462
555333	7/17/2015 0:00	-0.471	-0.461
555334	7/18/2015 0:00	-0.489	-0.462
555335	7/19/2015 0:00	-0.455	-0.461
555336	7/20/2015 0:00	-0.466	-0.46
555337	7/21/2015 0:00	-0.447	-0.46
555338	7/22/2015 0:00	-0.471	-0.46
555339	7/23/2015 0:00	-0.459	-0.46
555340	7/24/2015 0:00	-0.467	-0.46
555341	7/25/2015 0:00	-0.458	-0.46
555342	7/26/2015 0:00	-0.466	-0.461
555343	7/27/2015 0:00	-0.473	-0.461
555344	7/28/2015 0:00	-0.453	-0.462
555345	7/29/2015 0:00	-0.464	-0.463
555346	7/30/2015 0:00	-0.468	-0.463
555347	7/31/2015 0:00	-0.468	-0.463
555348	8/1/2015 0:00	-0.456	-0.463
555349	8/2/2015 0:00	-0.469	-0.463
555350	8/3/2015 0:00	-0.444	-0.462
555351	8/4/2015 0:00	-0.443	-0.462
555352	8/5/2015 0:00	-0.453	-0.462
555353	8/6/2015 0:00	-0.467	-0.462
555354	8/7/2015 0:00	-0.453	-0.463
555355	8/8/2015 0:00	-0.461	-0.464
555356	8/9/2015 0:00	-0.463	-0.465
555357	8/10/2015 0:00	-0.471	-0.466
555358	8/11/2015 0:00	-0.469	-0.468
555359	8/12/2015 0:00	-0.484	-0.468
555360	8/13/2015 0:00	-0.473	-0.469
555361	8/14/2015 0:00	-0.463	-0.469
555362	8/15/2015 0:00	-0.455	-0.469
555363	8/16/2015 0:00	-0.44	-0.469
555364	8/17/2015 0:00	-0.477	-0.469
555365	8/18/2015 0:00	-0.475	-0.47
555366	8/19/2015 0:00	-0.451	-0.471
555367	8/20/2015 0:00	-0.45	-0.472
555368	8/21/2015 0:00	-0.451	-0.473
555369	8/22/2015 0:00	-0.507	-0.474
555370	8/23/2015 0:00	-0.49	-0.475
555371	8/24/2015 0:00	-0.496	-0.476
555372	8/25/2015 0:00	-0.508	-0.476
555373	8/26/2015 0:00	-0.5	-0.476
555374	8/27/2015 0:00	-0.495	-0.476
555375	8/28/2015 0:00	-0.461	-0.476
555376	8/29/2015 0:00	-0.472	-0.477
555377	8/30/2015 0:00	-0.463	-0.477

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555378	8/31/2015 0:00	-0.472	-0.478
555379	9/1/2015 0:00	-0.46	-0.479
555380	9/2/2015 0:00	-0.491	-0.48
555381	9/3/2015 0:00	-0.478	-0.48
555382	9/4/2015 0:00	-0.48	-0.48
555383	9/5/2015 0:00	-0.496	-0.481
555384	9/6/2015 0:00	-0.487	-0.481
555385	9/7/2015 0:00	-0.483	-0.481
555386	9/8/2015 0:00	-0.49	-0.481
555387	9/9/2015 0:00	-0.472	-0.482
555388	9/10/2015 0:00	-0.468	-0.481
555389	9/11/2015 0:00	-0.48	-0.482
555390	9/12/2015 0:00	-0.483	-0.482
555391	9/13/2015 0:00	-0.488	-0.483
555392	9/14/2015 0:00	-0.48	-0.484
555393	9/15/2015 0:00	-0.468	-0.484
555394	9/16/2015 0:00	-0.487	-0.484
555395	9/17/2015 0:00	-0.487	-0.484
555396	9/18/2015 0:00	-0.474	-0.485
555397	9/19/2015 0:00	-0.469	-0.485
555398	9/20/2015 0:00	-0.488	-0.485
555399	9/21/2015 0:00	-0.453	-0.485
555400	9/22/2015 0:00	-0.481	-0.486
555401	9/23/2015 0:00	-0.513	-0.486
555402	9/24/2015 0:00	-0.509	-0.486
555403	9/25/2015 0:00	-0.487	-0.487
555404	9/26/2015 0:00	-0.521	-0.487
555405	9/27/2015 0:00	-0.504	-0.488
555406	9/28/2015 0:00	-0.497	-0.488
555407	9/29/2015 0:00	-0.488	-0.488
555408	9/30/2015 0:00	-0.465	-0.488
555409	10/1/2015 0:00	-0.475	-0.489
555410	10/2/2015 0:00	-0.477	-0.489
555411	10/3/2015 0:00	-0.505	-0.488
555412	10/4/2015 0:00	-0.482	-0.488
555413	10/5/2015 0:00	-0.494	-0.489
555414	10/6/2015 0:00	-0.492	-0.49
555415	10/7/2015 0:00	-0.498	-0.49
555416	10/8/2015 0:00	-0.494	-0.491
555417	10/9/2015 0:00	-0.497	-0.49
555418	10/10/2015 0:00	-0.483	-0.49
555419	10/11/2015 0:00	-0.497	-0.491
555420	10/12/2015 0:00	-0.487	-0.49
555421	10/13/2015 0:00	-0.501	-0.489
555422	10/14/2015 0:00	-0.483	-0.488
555423	10/15/2015 0:00	-0.476	-0.488

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555424	10/16/2015 0:00	-0.5	-0.489
555425	10/17/2015 0:00	-0.481	-0.49
555426	10/18/2015 0:00	-0.471	-0.491
555427	10/19/2015 0:00	-0.477	-0.491
555428	10/20/2015 0:00	-0.488	-0.491
555429	10/21/2015 0:00	-0.501	-0.491
555430	10/22/2015 0:00	-0.477	-0.492
555431	10/23/2015 0:00	-0.49	-0.493
555432	10/24/2015 0:00	-0.505	-0.493
555433	10/25/2015 0:00	-0.503	-0.493
555434	10/26/2015 0:00	-0.511	-0.493
555435	10/27/2015 0:00	-0.499	-0.494
555436	10/28/2015 0:00	-0.472	-0.494
555437	10/29/2015 0:00	-0.46	-0.494
555438	10/30/2015 0:00	-0.49	-0.494
555439	10/31/2015 0:00	-0.493	-0.495
555440	11/1/2015 0:00	-0.503	-0.494
555441	11/2/2015 0:00	-0.509	-0.495
555442	11/3/2015 0:00	-0.498	-0.496
555443	11/4/2015 0:00	-0.492	-0.496
555444	11/5/2015 0:00	-0.504	-0.497
555445	11/6/2015 0:00	-0.521	-0.497
555446	11/7/2015 0:00	-0.511	-0.497
555447	11/8/2015 0:00	-0.493	-0.497
555448	11/9/2015 0:00	-0.498	-0.497
555449	11/10/2015 0:00	-0.504	-0.496
555450	11/11/2015 0:00	-0.498	-0.497
555451	11/12/2015 0:00	-0.49	-0.498
555452	11/13/2015 0:00	-0.499	-0.499
555453	11/14/2015 0:00	-0.497	-0.501
555454	11/15/2015 0:00	-0.504	-0.501
555455	11/16/2015 0:00	-0.487	-0.502
555456	11/17/2015 0:00	-0.493	-0.503
555457	11/18/2015 0:00	-0.496	-0.502
555458	11/19/2015 0:00	-0.489	-0.502
555459	11/20/2015 0:00	-0.508	-0.503
555460	11/21/2015 0:00	-0.519	-0.504
555461	11/22/2015 0:00	-0.484	-0.503
555462	11/23/2015 0:00	-0.481	-0.503
555463	11/24/2015 0:00	-0.498	-0.504
555464	11/25/2015 0:00	-0.477	-0.504
555465	11/26/2015 0:00	-0.529	-0.503
555466	11/27/2015 0:00	-0.531	-0.503
555467	11/28/2015 0:00	-0.511	-0.504
555468	11/29/2015 0:00	-0.515	-0.503
555469	11/30/2015 0:00	-0.507	-0.504

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555470	12/1/2015 0:00	-0.528	-0.503
555471	12/2/2015 0:00	-0.507	-0.504
555472	12/3/2015 0:00	-0.502	-0.505
555473	12/4/2015 0:00	-0.498	-0.505
555474	12/5/2015 0:00	-0.511	-0.506
555475	12/6/2015 0:00	-0.526	-0.506
555476	12/7/2015 0:00	-0.512	-0.506
555477	12/8/2015 0:00	-0.505	-0.506
555478	12/9/2015 0:00	-0.515	-0.506
555479	12/10/2015 0:00	-0.499	-0.506
555480	12/11/2015 0:00	-0.477	-0.508
555481	12/12/2015 0:00	-0.499	-0.508
555482	12/13/2015 0:00	-0.51	-0.507
555483	12/14/2015 0:00	-0.49	-0.507
555484	12/15/2015 0:00	-0.507	-0.506
555485	12/16/2015 0:00	-0.483	-0.507
555486	12/17/2015 0:00	-0.51	-0.506
555487	12/18/2015 0:00	-0.52	-0.506
555488	12/19/2015 0:00	-0.5	-0.507
555489	12/20/2015 0:00	-0.526	-0.507
555490	12/21/2015 0:00	-0.515	-0.506
555491	12/22/2015 0:00	-0.5	-0.506
555492	12/23/2015 0:00	-0.487	-0.506
555493	12/24/2015 0:00	-0.496	-0.506
555494	12/25/2015 0:00	-0.485	-0.507
555495	12/26/2015 0:00	-0.56	-0.507
555496	12/27/2015 0:00	-0.513	-0.509
555497	12/28/2015 0:00	-0.509	-0.51
555498	12/29/2015 0:00	-0.496	-0.511
555499	12/30/2015 0:00	-0.506	-0.511
555500	12/31/2015 0:00	-0.529	-0.511
555501	1/1/2016 0:00	-0.502	-0.512
555502	1/2/2016 0:00	-0.503	-0.513
555503	1/3/2016 0:00	-0.521	-0.512
555504	1/4/2016 0:00	-0.499	-0.513
555505	1/5/2016 0:00	-0.493	-0.513
555506	1/6/2016 0:00	-0.527	-0.513
555507	1/7/2016 0:00	-0.514	-0.514
555508	1/8/2016 0:00	-0.509	-0.515
555509	1/9/2016 0:00	-0.532	-0.516
555510	1/10/2016 0:00	-0.498	-0.517
555511	1/11/2016 0:00	-0.527	-0.515
555512	1/12/2016 0:00	-0.557	-0.516
555513	1/13/2016 0:00	-0.513	-0.517
555514	1/14/2016 0:00	-0.5	-0.517
555515	1/15/2016 0:00	-0.513	-0.516

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555516	1/16/2016 0:00	-0.5	-0.514
555517	1/17/2016 0:00	-0.538	-0.515
555518	1/18/2016 0:00	-0.514	-0.515
555519	1/19/2016 0:00	-0.532	-0.515
555520	1/20/2016 0:00	-0.528	-0.516
555521	1/21/2016 0:00	-0.515	-0.517
555522	1/22/2016 0:00	-0.518	-0.517
555523	1/23/2016 0:00	-0.522	-0.518
555524	1/24/2016 0:00	-0.535	-0.519
555525	1/25/2016 0:00	-0.502	-0.519
555526	1/26/2016 0:00	-0.508	-0.52
555527	1/27/2016 0:00	-0.528	-0.519
555528	1/28/2016 0:00	-0.534	-0.518
555529	1/29/2016 0:00	-0.497	-0.518
555530	1/30/2016 0:00	-0.477	-0.518
555531	1/31/2016 0:00	-0.482	-0.518
555532	2/1/2016 0:00	-0.513	-0.518
555533	2/2/2016 0:00	-0.509	-0.517
555534	2/3/2016 0:00	-0.538	-0.516
555535	2/4/2016 0:00	-0.524	-0.515
555536	2/5/2016 0:00	-0.533	-0.515
555537	2/6/2016 0:00	-0.518	-0.515
555538	2/7/2016 0:00	-0.54	-0.515
555539	2/8/2016 0:00	-0.539	-0.514
555540	2/9/2016 0:00	-0.522	-0.514
555541	2/10/2016 0:00	-0.531	-0.515
555542	2/11/2016 0:00	-0.515	-0.515
555543	2/12/2016 0:00	-0.52	-0.515
555544	2/13/2016 0:00	-0.522	-0.515
555545	2/14/2016 0:00	-0.503	-0.516
555546	2/15/2016 0:00	-0.502	-0.517
555547	2/16/2016 0:00	-0.509	-0.518
555548	2/17/2016 0:00	-0.483	-0.518
555549	2/18/2016 0:00	-0.492	-0.518
555550	2/19/2016 0:00	-0.512	-0.518
555551	2/20/2016 0:00	-0.513	-0.518
555552	2/21/2016 0:00	-0.513	-0.517
555553	2/22/2016 0:00	-0.534	-0.517
555554	2/23/2016 0:00	-0.499	-0.517
555555	2/24/2016 0:00	-0.528	-0.517
555556	2/25/2016 0:00	-0.522	-0.517
555557	2/26/2016 0:00	-0.522	-0.516
555558	2/27/2016 0:00	-0.533	-0.516
555559	2/28/2016 0:00	-0.534	-0.516
555560	2/29/2016 0:00	-0.516	-0.516
555561	3/1/2016 0:00	-0.5	-0.516

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555562	3/2/2016 0:00	-0.526	-0.517
555563	3/3/2016 0:00	-0.511	-0.517
555564	3/4/2016 0:00	-0.517	-0.518
555565	3/5/2016 0:00	-0.525	-0.52
555566	3/6/2016 0:00	-0.513	-0.52
555567	3/7/2016 0:00	-0.528	-0.52
555568	3/8/2016 0:00	-0.513	-0.52
555569	3/9/2016 0:00	-0.542	-0.521
555570	3/10/2016 0:00	-0.529	-0.52
555571	3/11/2016 0:00	-0.523	-0.52
555572	3/12/2016 0:00	-0.508	-0.52
555573	3/13/2016 0:00	-0.518	-0.521
555574	3/14/2016 0:00	-0.503	-0.52
555575	3/15/2016 0:00	-0.532	-0.52
555576	3/16/2016 0:00	-0.498	-0.521
555577	3/17/2016 0:00	-0.525	-0.521
555578	3/18/2016 0:00	-0.518	-0.521
555579	3/19/2016 0:00	-0.524	-0.522
555580	3/20/2016 0:00	-0.532	-0.521
555581	3/21/2016 0:00	-0.519	-0.522
555582	3/22/2016 0:00	-0.511	-0.523
555583	3/23/2016 0:00	-0.531	-0.523
555584	3/24/2016 0:00	-0.541	-0.524
555585	3/25/2016 0:00	-0.492	-0.523
555586	3/26/2016 0:00	-0.52	-0.522
555587	3/27/2016 0:00	-0.525	-0.523
555588	3/28/2016 0:00	-0.534	-0.523
555589	3/29/2016 0:00	-0.505	-0.524
555590	3/30/2016 0:00	-0.539	-0.525
555591	3/31/2016 0:00	-0.535	-0.525
555592	4/1/2016 0:00	-0.503	-0.526
555593	4/2/2016 0:00	-0.544	-0.527
555594	4/3/2016 0:00	-0.52	-0.527
555595	4/4/2016 0:00	-0.516	-0.527
555596	4/5/2016 0:00	-0.551	-0.528
555597	4/6/2016 0:00	-0.519	-0.529
555598	4/7/2016 0:00	-0.542	-0.529
555599	4/8/2016 0:00	-0.533	-0.528
555600	4/9/2016 0:00	-0.52	-0.528
555601	4/10/2016 0:00	-0.508	-0.529
555602	4/11/2016 0:00	-0.536	-0.529
555603	4/12/2016 0:00	-0.533	-0.529
555604	4/13/2016 0:00	-0.531	-0.528
555605	4/14/2016 0:00	-0.533	-0.529
555606	4/15/2016 0:00	-0.529	-0.529
555607	4/16/2016 0:00	-0.55	-0.529

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555608	4/17/2016 0:00	-0.538	-0.53
555609	4/18/2016 0:00	-0.527	-0.529
555610	4/19/2016 0:00	-0.533	-0.53
555611	4/20/2016 0:00	-0.541	-0.53
555612	4/21/2016 0:00	-0.546	-0.529
555613	4/22/2016 0:00	-0.527	-0.529
555614	4/23/2016 0:00	-0.514	-0.529
555615	4/24/2016 0:00	-0.513	-0.528
555616	4/25/2016 0:00	-0.527	-0.529
555617	4/26/2016 0:00	-0.518	-0.53
555618	4/27/2016 0:00	-0.543	-0.529
555619	4/28/2016 0:00	-0.491	-0.529
555620	4/29/2016 0:00	-0.539	-0.528
555621	4/30/2016 0:00	-0.546	-0.528
555622	5/1/2016 0:00	-0.528	-0.527
555623	5/2/2016 0:00	-0.538	-0.526
555624	5/3/2016 0:00	-0.523	-0.527
555625	5/4/2016 0:00	-0.534	-0.526
555626	5/5/2016 0:00	-0.519	-0.525
555627	5/6/2016 0:00	-0.522	-0.525
555628	5/7/2016 0:00	-0.524	-0.525
555629	5/8/2016 0:00	-0.527	-0.525
555630	5/9/2016 0:00	-0.52	-0.526
555631	5/10/2016 0:00	-0.528	-0.526
555632	5/11/2016 0:00	-0.542	-0.526
555633	5/12/2016 0:00	-0.531	-0.526
555634	5/13/2016 0:00	-0.518	-0.526
555635	5/14/2016 0:00	-0.513	-0.528
555636	5/15/2016 0:00	-0.518	-0.528
555637	5/16/2016 0:00	-0.514	-0.527
555638	5/17/2016 0:00	-0.517	-0.528
555639	5/18/2016 0:00	-0.541	-0.528
555640	5/19/2016 0:00	-0.519	-0.529
555641	5/20/2016 0:00	-0.494	-0.529
555642	5/21/2016 0:00	-0.547	-0.529
555643	5/22/2016 0:00	-0.535	-0.529
555644	5/23/2016 0:00	-0.546	-0.529
555645	5/24/2016 0:00	-0.529	-0.529
555646	5/25/2016 0:00	-0.518	-0.529
555647	5/26/2016 0:00	-0.513	-0.529
555648	5/27/2016 0:00	-0.525	-0.528
555649	5/28/2016 0:00	-0.531	-0.528
555650	5/29/2016 0:00	-0.555	-0.529
555651	5/30/2016 0:00	-0.538	-0.528
555652	5/31/2016 0:00	-0.532	-0.529
555653	6/1/2016 0:00	-0.546	-0.529

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555654	6/2/2016 0:00	-0.55	-0.529
555655	6/3/2016 0:00	-0.536	-0.529
555656	6/4/2016 0:00	-0.534	-0.529
555657	6/5/2016 0:00	-0.52	-0.53
555658	6/6/2016 0:00	-0.527	-0.529
555659	6/7/2016 0:00	-0.529	-0.529
555660	6/8/2016 0:00	-0.532	-0.528
555661	6/9/2016 0:00	-0.528	-0.528
555662	6/10/2016 0:00	-0.513	-0.527
555663	6/11/2016 0:00	-0.527	-0.528
555664	6/12/2016 0:00	-0.526	-0.528
555665	6/13/2016 0:00	-0.533	-0.528
555666	6/14/2016 0:00	-0.507	-0.527
555667	6/15/2016 0:00	-0.528	-0.526
555668	6/16/2016 0:00	-0.52	-0.526
555669	6/17/2016 0:00	-0.527	-0.526
555670	6/18/2016 0:00	-0.524	-0.526
555671	6/19/2016 0:00	-0.532	-0.525
555672	6/20/2016 0:00	-0.518	-0.525
555673	6/21/2016 0:00	-0.521	-0.525
555674	6/22/2016 0:00	-0.527	-0.525
555675	6/23/2016 0:00	-0.53	-0.525
555676	6/24/2016 0:00	-0.51	-0.526
555677	6/25/2016 0:00	-0.512	-0.526
555678	6/26/2016 0:00	-0.531	-0.526
555679	6/27/2016 0:00	-0.536	-0.526
555680	6/28/2016 0:00	-0.511	-0.526
555681	6/29/2016 0:00	-0.521	-0.526
555682	6/30/2016 0:00	-0.52	-0.527
555683	7/1/2016 0:00	-0.532	-0.527
555684	7/2/2016 0:00	-0.534	-0.528
555685	7/3/2016 0:00	-0.554	-0.528
555686	7/4/2016 0:00	-0.515	-0.529
555687	7/5/2016 0:00	-0.52	-0.529
555688	7/6/2016 0:00	-0.528	-0.53
555689	7/7/2016 0:00	-0.528	-0.53
555690	7/8/2016 0:00	-0.547	-0.531
555691	7/9/2016 0:00	-0.535	-0.531
555692	7/10/2016 0:00	-0.534	-0.532
555693	7/11/2016 0:00	-0.518	-0.533
555694	7/12/2016 0:00	-0.515	-0.533
555695	7/13/2016 0:00	-0.534	-0.532
555696	7/14/2016 0:00	-0.546	-0.533
555697	7/15/2016 0:00	-0.543	-0.532
555698	7/16/2016 0:00	-0.529	-0.532
555699	7/17/2016 0:00	-0.539	-0.533

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555700	7/18/2016 0:00	-0.528	-0.533
555701	7/19/2016 0:00	-0.547	-0.532
555702	7/20/2016 0:00	-0.55	-0.533
555703	7/21/2016 0:00	-0.54	-0.533
555704	7/22/2016 0:00	-0.525	-0.533
555705	7/23/2016 0:00	-0.538	-0.533
555706	7/24/2016 0:00	-0.537	-0.532
555707	7/25/2016 0:00	-0.537	-0.532
555708	7/26/2016 0:00	-0.543	-0.532
555709	7/27/2016 0:00	-0.534	-0.533
555710	7/28/2016 0:00	-0.508	-0.535
555711	7/29/2016 0:00	-0.536	-0.535
555712	7/30/2016 0:00	-0.511	-0.535
555713	7/31/2016 0:00	-0.518	-0.534
555714	8/1/2016 0:00	-0.548	-0.534
555715	8/2/2016 0:00	-0.541	-0.534
555716	8/3/2016 0:00	-0.53	-0.535
555717	8/4/2016 0:00	-0.544	-0.535
555718	8/5/2016 0:00	-0.511	-0.534
555719	8/6/2016 0:00	-0.534	-0.534
555720	8/7/2016 0:00	-0.521	-0.534
555721	8/8/2016 0:00	-0.532	-0.534
555722	8/9/2016 0:00	-0.529	-0.534
555723	8/10/2016 0:00	-0.528	-0.534
555724	8/11/2016 0:00	-0.549	-0.534
555725	8/12/2016 0:00	-0.563	-0.535
555726	8/13/2016 0:00	-0.546	-0.537
555727	8/14/2016 0:00	-0.541	-0.537
555728	8/15/2016 0:00	-0.531	-0.539
555729	8/16/2016 0:00	-0.532	-0.539
555730	8/17/2016 0:00	-0.536	-0.538
555731	8/18/2016 0:00	-0.543	-0.538
555732	8/19/2016 0:00	-0.537	-0.538
555733	8/20/2016 0:00	-0.537	-0.537
555734	8/21/2016 0:00	-0.531	-0.537
555735	8/22/2016 0:00	-0.528	-0.537
555736	8/23/2016 0:00	-0.532	-0.537
555737	8/24/2016 0:00	-0.549	-0.539
555738	8/25/2016 0:00	-0.547	-0.539
555739	8/26/2016 0:00	-0.543	-0.539
555740	8/27/2016 0:00	-0.559	-0.54
555741	8/28/2016 0:00	-0.555	-0.539
555742	8/29/2016 0:00	-0.554	-0.538
555743	8/30/2016 0:00	-0.547	-0.539
555744	8/31/2016 0:00	-0.541	-0.539
555745	9/1/2016 0:00	-0.521	-0.539

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555746	9/2/2016 0:00	-0.532	-0.538
555747	9/3/2016 0:00	-0.534	-0.538
555748	9/4/2016 0:00	-0.514	-0.537
555749	9/5/2016 0:00	-0.517	-0.536
555750	9/6/2016 0:00	-0.506	-0.536
555751	9/7/2016 0:00	-0.545	-0.536
555752	9/8/2016 0:00	-0.569	-0.536
555753	9/9/2016 0:00	-0.537	-0.535
555754	9/10/2016 0:00	-0.548	-0.535
555755	9/11/2016 0:00	-0.558	-0.534
555756	9/12/2016 0:00	-0.532	-0.533
555757	9/13/2016 0:00	-0.539	-0.533
555758	9/14/2016 0:00	-0.541	-0.533
555759	9/15/2016 0:00	-0.549	-0.533
555760	9/16/2016 0:00	-0.54	-0.533
555761	9/17/2016 0:00	-0.509	-0.533
555762	9/18/2016 0:00	-0.518	-0.533
555763	9/19/2016 0:00	-0.51	-0.533
555764	9/20/2016 0:00	-0.524	-0.534
555765	9/21/2016 0:00	-0.528	-0.534
555766	9/22/2016 0:00	-0.517	-0.534
555767	9/23/2016 0:00	-0.526	-0.533
555768	9/24/2016 0:00	-0.526	-0.531
555769	9/25/2016 0:00	-0.543	-0.531
555770	9/26/2016 0:00	-0.522	-0.53
555771	9/27/2016 0:00	-0.52	-0.529
555772	9/28/2016 0:00	-0.545	-0.529
555773	9/29/2016 0:00	-0.57	-0.529
555774	9/30/2016 0:00	-0.548	-0.528
555775	10/1/2016 0:00	-0.548	-0.528
555776	10/2/2016 0:00	-0.524	-0.527
555777	10/3/2016 0:00	-0.529	-0.528
555778	10/4/2016 0:00	-0.534	-0.528
555779	10/5/2016 0:00	-0.529	-0.529
555780	10/6/2016 0:00	-0.513	-0.53
555781	10/7/2016 0:00	-0.521	-0.53
555782	10/8/2016 0:00	-0.507	-0.531
555783	10/9/2016 0:00	-0.518	-0.532
555784	10/10/2016 0:00	-0.513	-0.534
555785	10/11/2016 0:00	-0.526	-0.534
555786	10/12/2016 0:00	-0.532	-0.535
555787	10/13/2016 0:00	-0.531	-0.535
555788	10/14/2016 0:00	-0.528	-0.535
555789	10/15/2016 0:00	-0.524	-0.535
555790	10/16/2016 0:00	-0.543	-0.534
555791	10/17/2016 0:00	-0.518	-0.534

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555792	10/18/2016 0:00	-0.523	-0.534
555793	10/19/2016 0:00	-0.524	-0.535
555794	10/20/2016 0:00	-0.55	-0.536
555795	10/21/2016 0:00	-0.543	-0.537
555796	10/22/2016 0:00	-0.528	-0.539
555797	10/23/2016 0:00	-0.546	-0.54
555798	10/24/2016 0:00	-0.574	-0.541
555799	10/25/2016 0:00	-0.565	-0.542
555800	10/26/2016 0:00	-0.571	-0.543
555801	10/27/2016 0:00	-0.526	-0.544
555802	10/28/2016 0:00	-0.547	-0.544
555803	10/29/2016 0:00	-0.534	-0.545
555804	10/30/2016 0:00	-0.553	-0.546
555805	10/31/2016 0:00	-0.545	-0.547
555806	11/1/2016 0:00	-0.55	-0.547
555807	11/2/2016 0:00	-0.517	-0.548
555808	11/3/2016 0:00	-0.554	-0.549
555809	11/4/2016 0:00	-0.57	-0.55
555810	11/5/2016 0:00	-0.569	-0.55
555811	11/6/2016 0:00	-0.546	-0.549
555812	11/7/2016 0:00	-0.563	-0.55
555813	11/8/2016 0:00	-0.541	-0.55
555814	11/9/2016 0:00	-0.551	-0.549
555815	11/10/2016 0:00	-0.554	-0.549
555816	11/11/2016 0:00	-0.546	-0.549
555817	11/12/2016 0:00	-0.542	-0.549
555818	11/13/2016 0:00	-0.548	-0.549
555819	11/14/2016 0:00	-0.566	-0.55
555820	11/15/2016 0:00	-0.559	-0.55
555821	11/16/2016 0:00	-0.53	-0.55
555822	11/17/2016 0:00	-0.555	-0.551
555823	11/18/2016 0:00	-0.553	-0.552
555824	11/19/2016 0:00	-0.552	-0.553
555825	11/20/2016 0:00	-0.542	-0.552
555826	11/21/2016 0:00	-0.534	-0.552
555827	11/22/2016 0:00	-0.547	-0.553
555828	11/23/2016 0:00	-0.553	-0.553
555829	11/24/2016 0:00	-0.551	-0.554
555830	11/25/2016 0:00	-0.554	-0.554
555831	11/26/2016 0:00	-0.561	-0.554
555832	11/27/2016 0:00	-0.55	-0.554
555833	11/28/2016 0:00	-0.548	-0.554
555834	11/29/2016 0:00	-0.542	-0.554
555835	11/30/2016 0:00	-0.56	-0.554
555836	12/1/2016 0:00	-0.552	-0.553
555837	12/2/2016 0:00	-0.571	-0.554

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555838	12/3/2016 0:00	-0.564	-0.554
555839	12/4/2016 0:00	-0.563	-0.555
555840	12/5/2016 0:00	-0.552	-0.554
555841	12/6/2016 0:00	-0.565	-0.555
555842	12/7/2016 0:00	-0.569	-0.555
555843	12/8/2016 0:00	-0.571	-0.556
555844	12/9/2016 0:00	-0.56	-0.556
555845	12/10/2016 0:00	-0.554	-0.556
555846	12/11/2016 0:00	-0.544	-0.556
555847	12/12/2016 0:00	-0.547	-0.556
555848	12/13/2016 0:00	-0.545	-0.556
555849	12/14/2016 0:00	-0.566	-0.557
555850	12/15/2016 0:00	-0.549	-0.558
555851	12/16/2016 0:00	-0.554	-0.558
555852	12/17/2016 0:00	-0.554	-0.557
555853	12/18/2016 0:00	-0.55	-0.557
555854	12/19/2016 0:00	-0.566	-0.557
555855	12/20/2016 0:00	-0.551	-0.557
555856	12/21/2016 0:00	-0.553	-0.557
555857	12/22/2016 0:00	-0.548	-0.557
555858	12/23/2016 0:00	-0.57	-0.558
555859	12/24/2016 0:00	-0.554	-0.558
555860	12/25/2016 0:00	-0.544	-0.559
555861	12/26/2016 0:00	-0.56	-0.559
555862	12/27/2016 0:00	-0.565	-0.56
555863	12/28/2016 0:00	-0.547	-0.561
555864	12/29/2016 0:00	-0.575	-0.562
555865	12/30/2016 0:00	-0.561	-0.562
555866	12/31/2016 0:00	-0.557	-0.563
555867	1/1/2017 0:00	-0.552	-0.564
555868	1/2/2017 0:00	-0.558	-0.564
555869	1/3/2017 0:00	-0.559	-0.565
555870	1/4/2017 0:00	-0.553	-0.564
555871	1/5/2017 0:00	-0.571	-0.565
555872	1/6/2017 0:00	-0.569	-0.564
555873	1/7/2017 0:00	-0.588	-0.566
555874	1/8/2017 0:00	-0.576	-0.566
555875	1/9/2017 0:00	-0.586	-0.566
555876	1/10/2017 0:00	-0.55	-0.568
555877	1/11/2017 0:00	-0.573	-0.569
555878	1/12/2017 0:00	-0.571	-0.57
555879	1/13/2017 0:00	-0.577	-0.572
555880	1/14/2017 0:00	-0.58	-0.574
555881	1/15/2017 0:00	-0.571	-0.574
555882	1/16/2017 0:00	-0.584	-0.575
555883	1/17/2017 0:00	-0.564	-0.576

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555884	1/18/2017 0:00	-0.569	-0.577
555885	1/19/2017 0:00	-0.561	-0.578
555886	1/20/2017 0:00	-0.559	-0.579
555887	1/21/2017 0:00	-0.537	-0.579
555888	1/22/2017 0:00	-0.599	-0.579
555889	1/23/2017 0:00	-0.571	-0.58
555890	1/24/2017 0:00	-0.569	-0.58
555891	1/25/2017 0:00	-0.582	-0.58
555892	1/26/2017 0:00	-0.599	-0.581
555893	1/27/2017 0:00	-0.609	-0.582
555894	1/28/2017 0:00	-0.614	-0.583
555895	1/29/2017 0:00	-0.61	-0.584
555896	1/30/2017 0:00	-0.581	-0.585
555897	1/31/2017 0:00	-0.576	-0.586
555898	2/1/2017 0:00	-0.591	-0.586
555899	2/2/2017 0:00	-0.58	-0.586
555900	2/3/2017 0:00	-0.601	-0.587
555901	2/4/2017 0:00	-0.589	-0.588
555902	2/5/2017 0:00	-0.558	-0.59
555903	2/6/2017 0:00	-0.578	-0.592
555904	2/7/2017 0:00	-0.607	-0.592
555905	2/8/2017 0:00	-0.584	-0.593
555906	2/9/2017 0:00	-0.592	-0.594
555907	2/10/2017 0:00	-0.571	-0.594
555908	2/11/2017 0:00	-0.594	-0.593
555909	2/12/2017 0:00	-0.618	-0.593
555910	2/13/2017 0:00	-0.619	-0.592
555911	2/14/2017 0:00	-0.606	-0.592
555912	2/15/2017 0:00	-0.585	-0.593
555913	2/16/2017 0:00	-0.583	-0.594
555914	2/17/2017 0:00	-0.574	-0.593
555915	2/18/2017 0:00	-0.586	-0.594
555916	2/19/2017 0:00	-0.592	-0.593
555917	2/20/2017 0:00	-0.632	-0.593
555918	2/21/2017 0:00	-0.589	-0.594
555919	2/22/2017 0:00	-0.604	-0.595
555920	2/23/2017 0:00	-0.611	-0.595
555921	2/24/2017 0:00	-0.598	-0.596
555922	2/25/2017 0:00	-0.586	-0.595
555923	2/26/2017 0:00	-0.577	-0.596
555924	2/27/2017 0:00	-0.586	-0.595
555925	2/28/2017 0:00	-0.601	-0.594
555926	3/1/2017 0:00	-0.607	-0.593
555927	3/2/2017 0:00	-0.604	-0.593
555928	3/3/2017 0:00	-0.604	-0.594
555929	3/4/2017 0:00	-0.578	-0.594

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555930	3/5/2017 0:00	-0.6	-0.594
555931	3/6/2017 0:00	-0.573	-0.594
555932	3/7/2017 0:00	-0.592	-0.593
555933	3/8/2017 0:00	-0.596	-0.591
555934	3/9/2017 0:00	-0.593	-0.591
555935	3/10/2017 0:00	-0.616	-0.591
555936	3/11/2017 0:00	-0.598	-0.59
555937	3/12/2017 0:00	-0.581	-0.59
555938	3/13/2017 0:00	-0.582	-0.59
555939	3/14/2017 0:00	-0.581	-0.59
555940	3/15/2017 0:00	-0.587	-0.59
555941	3/16/2017 0:00	-0.589	-0.589
555942	3/17/2017 0:00	-0.604	-0.589
555943	3/18/2017 0:00	-0.601	-0.589
555944	3/19/2017 0:00	-0.583	-0.588
555945	3/20/2017 0:00	-0.588	-0.589
555946	3/21/2017 0:00	-0.582	-0.589
555947	3/22/2017 0:00	-0.567	-0.59
555948	3/23/2017 0:00	-0.566	-0.589
555949	3/24/2017 0:00	-0.585	-0.588
555950	3/25/2017 0:00	-0.594	-0.587
555951	3/26/2017 0:00	-0.593	-0.587
555952	3/27/2017 0:00	-0.586	-0.587
555953	3/28/2017 0:00	-0.585	-0.588
555954	3/29/2017 0:00	-0.576	-0.588
555955	3/30/2017 0:00	-0.595	-0.589
555956	3/31/2017 0:00	-0.581	-0.589
555957	4/1/2017 0:00	-0.599	-0.59
555958	4/2/2017 0:00	-0.599	-0.59
555959	4/3/2017 0:00	-0.587	-0.589
555960	4/4/2017 0:00	-0.593	-0.589
555961	4/5/2017 0:00	-0.596	-0.59
555962	4/6/2017 0:00	-0.603	-0.59
555963	4/7/2017 0:00	-0.564	-0.591
555964	4/8/2017 0:00	-0.575	-0.593
555965	4/9/2017 0:00	-0.576	-0.592
555966	4/10/2017 0:00	-0.591	-0.592
555967	4/11/2017 0:00	-0.602	-0.592
555968	4/12/2017 0:00	-0.616	-0.593
555969	4/13/2017 0:00	-0.589	-0.592
555970	4/14/2017 0:00	-0.604	-0.593
555971	4/15/2017 0:00	-0.599	-0.594
555972	4/16/2017 0:00	-0.596	-0.594
555973	4/17/2017 0:00	-0.604	-0.594
555974	4/18/2017 0:00	-0.585	-0.594
555975	4/19/2017 0:00	-0.588	-0.595

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
555976	4/20/2017 0:00	-0.609	-0.594
555977	4/21/2017 0:00	-0.588	-0.594
555978	4/22/2017 0:00	-0.603	-0.594
555979	4/23/2017 0:00	-0.61	-0.595
555980	4/24/2017 0:00	-0.58	-0.596
555981	4/25/2017 0:00	-0.586	-0.597
555982	4/26/2017 0:00	-0.595	-0.598
555983	4/27/2017 0:00	-0.596	-0.598
555984	4/28/2017 0:00	-0.582	-0.597
555985	4/29/2017 0:00	-0.605	-0.598
555986	4/30/2017 0:00	-0.605	-0.597
555987	5/1/2017 0:00	-0.595	-0.596
555988	5/2/2017 0:00	-0.587	-0.596
555989	5/3/2017 0:00	-0.601	-0.595
555990	5/4/2017 0:00	-0.608	-0.596
555991	5/5/2017 0:00	-0.586	-0.597
555992	5/6/2017 0:00	-0.591	-0.596
555993	5/7/2017 0:00	-0.599	-0.595
555994	5/8/2017 0:00	-0.608	-0.595
555995	5/9/2017 0:00	-0.603	-0.594
555996	5/10/2017 0:00	-0.596	-0.593
555997	5/11/2017 0:00	-0.62	-0.593
555998	5/12/2017 0:00	-0.606	-0.592
555999	5/13/2017 0:00	-0.588	-0.592
556000	5/14/2017 0:00	-0.603	-0.592
556001	5/15/2017 0:00	-0.571	-0.591
556002	5/16/2017 0:00	-0.587	-0.59
556003	5/17/2017 0:00	-0.582	-0.589
556004	5/18/2017 0:00	-0.592	-0.589
556005	5/19/2017 0:00	-0.614	-0.588
556006	5/20/2017 0:00	-0.595	-0.587
556007	5/21/2017 0:00	-0.58	-0.587
556008	5/22/2017 0:00	-0.584	-0.586
556009	5/23/2017 0:00	-0.576	-0.585
556010	5/24/2017 0:00	-0.583	-0.584
556011	5/25/2017 0:00	-0.567	-0.583
556012	5/26/2017 0:00	-0.573	-0.583
556013	5/27/2017 0:00	-0.578	-0.582
556014	5/28/2017 0:00	-0.59	-0.58
556015	5/29/2017 0:00	-0.588	-0.58
556016	5/30/2017 0:00	-0.556	-0.579
556017	5/31/2017 0:00	-0.577	-0.579
556018	6/1/2017 0:00	-0.579	-0.578
556019	6/2/2017 0:00	-0.578	-0.578
556020	6/3/2017 0:00	-0.582	-0.577
556021	6/4/2017 0:00	-0.575	-0.576

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556022	6/5/2017 0:00	-0.56	-0.576
556023	6/6/2017 0:00	-0.561	-0.575
556024	6/7/2017 0:00	-0.583	-0.574
556025	6/8/2017 0:00	-0.589	-0.574
556026	6/9/2017 0:00	-0.571	-0.574
556027	6/10/2017 0:00	-0.594	-0.575
556028	6/11/2017 0:00	-0.564	-0.575
556029	6/12/2017 0:00	-0.556	-0.575
556030	6/13/2017 0:00	-0.593	-0.574
556031	6/14/2017 0:00	-0.557	-0.573
556032	6/15/2017 0:00	-0.577	-0.574
556033	6/16/2017 0:00	-0.564	-0.575
556034	6/17/2017 0:00	-0.568	-0.575
556035	6/18/2017 0:00	-0.582	-0.575
556036	6/19/2017 0:00	-0.57	-0.575
556037	6/20/2017 0:00	-0.586	-0.576
556038	6/21/2017 0:00	-0.558	-0.577
556039	6/22/2017 0:00	-0.562	-0.577
556040	6/23/2017 0:00	-0.578	-0.578
556041	6/24/2017 0:00	-0.578	-0.577
556042	6/25/2017 0:00	-0.589	-0.577
556043	6/26/2017 0:00	-0.573	-0.576
556044	6/27/2017 0:00	-0.577	-0.577
556045	6/28/2017 0:00	-0.577	-0.578
556046	6/29/2017 0:00	-0.559	-0.577
556047	6/30/2017 0:00	-0.586	-0.578
556048	7/1/2017 0:00	-0.593	-0.578
556049	7/2/2017 0:00	-0.578	-0.578
556050	7/3/2017 0:00	-0.582	-0.578
556051	7/4/2017 0:00	-0.6	-0.578
556052	7/5/2017 0:00	-0.599	-0.579
556053	7/6/2017 0:00	-0.579	-0.58
556054	7/7/2017 0:00	-0.575	-0.581
556055	7/8/2017 0:00	-0.593	-0.582
556056	7/9/2017 0:00	-0.575	-0.582
556057	7/10/2017 0:00	-0.573	-0.583
556058	7/11/2017 0:00	-0.57	-0.583
556059	7/12/2017 0:00	-0.57	-0.583
556060	7/13/2017 0:00	-0.587	-0.584
556061	7/14/2017 0:00	-0.568	-0.584
556062	7/15/2017 0:00	-0.592	-0.586
556063	7/16/2017 0:00	-0.562	-0.585
556064	7/17/2017 0:00	-0.572	-0.586
556065	7/18/2017 0:00	-0.566	-0.586
556066	7/19/2017 0:00	-0.599	-0.587
556067	7/20/2017 0:00	-0.603	-0.586

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556068	7/21/2017 0:00	-0.601	-0.586
556069	7/22/2017 0:00	-0.599	-0.587
556070	7/23/2017 0:00	-0.58	-0.587
556071	7/24/2017 0:00	-0.601	-0.587
556072	7/25/2017 0:00	-0.59	-0.588
556073	7/26/2017 0:00	-0.586	-0.588
556074	7/27/2017 0:00	-0.593	-0.589
556075	7/28/2017 0:00	-0.596	-0.59
556076	7/29/2017 0:00	-0.588	-0.59
556077	7/30/2017 0:00	-0.598	-0.591
556078	7/31/2017 0:00	-0.581	-0.59
556079	8/1/2017 0:00	-0.605	-0.591
556080	8/2/2017 0:00	-0.595	-0.592
556081	8/3/2017 0:00	-0.594	-0.593
556082	8/4/2017 0:00	-0.589	-0.593
556083	8/5/2017 0:00	-0.579	-0.592
556084	8/6/2017 0:00	-0.616	-0.591
556085	8/7/2017 0:00	-0.577	-0.591
556086	8/8/2017 0:00	-0.605	-0.592
556087	8/9/2017 0:00	-0.591	-0.592
556088	8/10/2017 0:00	-0.591	-0.592
556089	8/11/2017 0:00	-0.583	-0.592
556090	8/12/2017 0:00	-0.595	-0.593
556091	8/13/2017 0:00	-0.594	-0.592
556092	8/14/2017 0:00	-0.592	-0.592
556093	8/15/2017 0:00	-0.581	-0.592
556094	8/16/2017 0:00	-0.583	-0.592
556095	8/17/2017 0:00	-0.609	-0.59
556096	8/18/2017 0:00	-0.594	-0.589
556097	8/19/2017 0:00	-0.589	-0.588
556098	8/20/2017 0:00	-0.58	-0.59
556099	8/21/2017 0:00	-0.577	-0.59
556100	8/22/2017 0:00	-0.602	-0.589
556101	8/23/2017 0:00	-0.598	-0.589
556102	8/24/2017 0:00	-0.607	-0.588
556103	8/25/2017 0:00	-0.594	-0.587
556104	8/26/2017 0:00	-0.588	-0.587
556105	8/27/2017 0:00	-0.597	-0.585
556106	8/28/2017 0:00	-0.582	-0.585
556107	8/29/2017 0:00	-0.599	-0.584
556108	8/30/2017 0:00	-0.589	-0.584
556109	8/31/2017 0:00	-0.565	-0.584
556110	9/1/2017 0:00	-0.553	-0.583
556111	9/2/2017 0:00	-0.559	-0.581
556112	9/3/2017 0:00	-0.578	-0.581
556113	9/4/2017 0:00	-0.631	-0.58

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556114	9/5/2017 0:00	-0.588	-0.58
556115	9/6/2017 0:00	-0.589	-0.58
556116	9/7/2017 0:00	-0.573	-0.579
556117	9/8/2017 0:00	-0.58	-0.579
556118	9/9/2017 0:00	-0.571	-0.578
556119	9/10/2017 0:00	-0.565	-0.577
556120	9/11/2017 0:00	-0.547	-0.576
556121	9/12/2017 0:00	-0.567	-0.576
556122	9/13/2017 0:00	-0.576	-0.576
556123	9/14/2017 0:00	-0.584	-0.575
556124	9/15/2017 0:00	-0.575	-0.575
556125	9/16/2017 0:00	-0.551	-0.576
556126	9/17/2017 0:00	-0.569	-0.577
556127	9/18/2017 0:00	-0.574	-0.578
556128	9/19/2017 0:00	-0.572	-0.578
556129	9/20/2017 0:00	-0.581	-0.577
556130	9/21/2017 0:00	-0.578	-0.577
556131	9/22/2017 0:00	-0.58	-0.577
556132	9/23/2017 0:00	-0.583	-0.576
556133	9/24/2017 0:00	-0.569	-0.577
556134	9/25/2017 0:00	-0.566	-0.578
556135	9/26/2017 0:00	-0.581	-0.578
556136	9/27/2017 0:00	-0.577	-0.58
556137	9/28/2017 0:00	-0.573	-0.58
556138	9/29/2017 0:00	-0.59	-0.58
556139	9/30/2017 0:00	-0.588	-0.58
556140	10/1/2017 0:00	-0.588	-0.581
556141	10/2/2017 0:00	-0.588	-0.582
556142	10/3/2017 0:00	-0.573	-0.582
556143	10/4/2017 0:00	-0.601	-0.582
556144	10/5/2017 0:00	-0.603	-0.583
556145	10/6/2017 0:00	-0.581	-0.582
556146	10/7/2017 0:00	-0.577	-0.583
556147	10/8/2017 0:00	-0.562	-0.583
556148	10/9/2017 0:00	-0.592	-0.584
556149	10/10/2017 0:00	-0.603	-0.584
556150	10/11/2017 0:00	-0.578	-0.584
556151	10/12/2017 0:00	-0.596	-0.585
556152	10/13/2017 0:00	-0.581	-0.586
556153	10/14/2017 0:00	-0.573	-0.586
556154	10/15/2017 0:00	-0.586	-0.586
556155	10/16/2017 0:00	-0.598	-0.586
556156	10/17/2017 0:00	-0.595	-0.587
556157	10/18/2017 0:00	-0.553	-0.587
556158	10/19/2017 0:00	-0.585	-0.588
556159	10/20/2017 0:00	-0.584	-0.588

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556160	10/21/2017 0:00	-0.572	-0.588
556161	10/22/2017 0:00	-0.595	-0.589
556162	10/23/2017 0:00	-0.592	-0.59
556163	10/24/2017 0:00	-0.595	-0.591
556164	10/25/2017 0:00	-0.569	-0.591
556165	10/26/2017 0:00	-0.582	-0.591
556166	10/27/2017 0:00	-0.607	-0.591
556167	10/28/2017 0:00	-0.595	-0.591
556168	10/29/2017 0:00	-0.596	-0.592
556169	10/30/2017 0:00	-0.592	-0.592
556170	10/31/2017 0:00	-0.589	-0.592
556171	11/1/2017 0:00	-0.594	-0.592
556172	11/2/2017 0:00	-0.598	-0.592
556173	11/3/2017 0:00	-0.61	-0.593
556174	11/4/2017 0:00	-0.592	-0.593
556175	11/5/2017 0:00	-0.606	-0.594
556176	11/6/2017 0:00	-0.621	-0.594
556177	11/7/2017 0:00	-0.602	-0.594
556178	11/8/2017 0:00	-0.6	-0.594
556179	11/9/2017 0:00	-0.577	-0.594
556180	11/10/2017 0:00	-0.595	-0.595
556181	11/11/2017 0:00	-0.589	-0.596
556182	11/12/2017 0:00	-0.609	-0.595
556183	11/13/2017 0:00	-0.589	-0.595
556184	11/14/2017 0:00	-0.577	-0.595
556185	11/15/2017 0:00	-0.605	-0.595
556186	11/16/2017 0:00	-0.584	-0.595
556187	11/17/2017 0:00	-0.594	-0.595
556188	11/18/2017 0:00	-0.583	-0.594
556189	11/19/2017 0:00	-0.598	-0.593
556190	11/20/2017 0:00	-0.6	-0.593
556191	11/21/2017 0:00	-0.596	-0.593
556192	11/22/2017 0:00	-0.594	-0.592
556193	11/23/2017 0:00	-0.591	-0.592
556194	11/24/2017 0:00	-0.589	-0.592
556195	11/25/2017 0:00	-0.59	-0.593
556196	11/26/2017 0:00	-0.604	-0.593
556197	11/27/2017 0:00	-0.583	-0.593
556198	11/28/2017 0:00	-0.585	-0.593
556199	11/29/2017 0:00	-0.595	-0.593
556200	11/30/2017 0:00	-0.6	-0.593
556201	12/1/2017 0:00	-0.6	-0.593
556202	12/2/2017 0:00	-0.581	-0.593
556203	12/3/2017 0:00	-0.575	-0.593
556204	12/4/2017 0:00	-0.588	-0.593
556205	12/5/2017 0:00	-0.589	-0.593

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556206	12/6/2017 0:00	-0.604	-0.593
556207	12/7/2017 0:00	-0.594	-0.592
556208	12/8/2017 0:00	-0.596	-0.592
556209	12/9/2017 0:00	-0.59	-0.593
556210	12/10/2017 0:00	-0.603	-0.594
556211	12/11/2017 0:00	-0.601	-0.595
556212	12/12/2017 0:00	-0.609	-0.595
556213	12/13/2017 0:00	-0.592	-0.596
556214	12/14/2017 0:00	-0.588	-0.595
556215	12/15/2017 0:00	-0.594	-0.595
556216	12/16/2017 0:00	-0.593	-0.595
556217	12/17/2017 0:00	-0.593	-0.595
556218	12/18/2017 0:00	-0.587	-0.596
556219	12/19/2017 0:00	-0.585	-0.596
556220	12/20/2017 0:00	-0.597	-0.596
556221	12/21/2017 0:00	-0.586	-0.597
556222	12/22/2017 0:00	-0.587	-0.597
556223	12/23/2017 0:00	-0.595	-0.597
556224	12/24/2017 0:00	-0.6	-0.596
556225	12/25/2017 0:00	-0.619	-0.597
556226	12/26/2017 0:00	-0.615	-0.596
556227	12/27/2017 0:00	-0.612	-0.596
556228	12/28/2017 0:00	-0.612	-0.597
556229	12/29/2017 0:00	-0.576	-0.598
556230	12/30/2017 0:00	-0.589	-0.599
556231	12/31/2017 0:00	-0.593	-0.6
556232	1/1/2018 0:00	-0.612	-0.6
556233	1/2/2018 0:00	-0.588	-0.601
556234	1/3/2018 0:00	-0.601	-0.602
556235	1/4/2018 0:00	-0.588	-0.603
556236	1/5/2018 0:00	-0.608	-0.603
556237	1/6/2018 0:00	-0.597	-0.603
556238	1/7/2018 0:00	-0.591	-0.604
556239	1/8/2018 0:00	-0.586	-0.605
556240	1/9/2018 0:00	-0.595	-0.605
556241	1/10/2018 0:00	-0.594	-0.604
556242	1/11/2018 0:00	-0.602	-0.604
556243	1/12/2018 0:00	-0.625	-0.603
556244	1/13/2018 0:00	-0.626	-0.603
556245	1/14/2018 0:00	-0.614	-0.605
556246	1/15/2018 0:00	-0.618	-0.605
556247	1/16/2018 0:00	-0.614	-0.606
556248	1/17/2018 0:00	-0.62	-0.606
556249	1/18/2018 0:00	-0.622	-0.607
556250	1/19/2018 0:00	-0.603	-0.607
556251	1/20/2018 0:00	-0.601	-0.607

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556252	1/21/2018 0:00	-0.596	-0.607
556253	1/22/2018 0:00	-0.612	-0.608
556254	1/23/2018 0:00	-0.61	-0.609
556255	1/24/2018 0:00	-0.617	-0.609
556256	1/25/2018 0:00	-0.581	-0.61
556257	1/26/2018 0:00	-0.608	-0.61
556258	1/27/2018 0:00	-0.591	-0.61
556259	1/28/2018 0:00	-0.624	-0.609
556260	1/29/2018 0:00	-0.618	-0.609
556261	1/30/2018 0:00	-0.611	-0.609
556262	1/31/2018 0:00	-0.609	-0.609
556263	2/1/2018 0:00	-0.611	-0.608
556264	2/2/2018 0:00	-0.607	-0.607
556265	2/3/2018 0:00	-0.605	-0.606
556266	2/4/2018 0:00	-0.602	-0.606
556267	2/5/2018 0:00	-0.61	-0.606
556268	2/6/2018 0:00	-0.614	-0.606
556269	2/7/2018 0:00	-0.616	-0.606
556270	2/8/2018 0:00	-0.616	-0.605
556271	2/9/2018 0:00	-0.607	-0.605
556272	2/10/2018 0:00	-0.597	-0.606
556273	2/11/2018 0:00	-0.613	-0.605
556274	2/12/2018 0:00	-0.591	-0.605
556275	2/13/2018 0:00	-0.624	-0.604
556276	2/14/2018 0:00	-0.606	-0.605
556277	2/15/2018 0:00	-0.611	-0.605
556278	2/16/2018 0:00	-0.593	-0.605
556279	2/17/2018 0:00	-0.602	-0.606
556280	2/18/2018 0:00	-0.585	-0.606
556281	2/19/2018 0:00	-0.595	-0.605
556282	2/20/2018 0:00	-0.597	-0.606
556283	2/21/2018 0:00	-0.603	-0.606
556284	2/22/2018 0:00	-0.614	-0.605
556285	2/23/2018 0:00	-0.578	-0.604
556286	2/24/2018 0:00	-0.613	-0.604
556287	2/25/2018 0:00	-0.605	-0.604
556288	2/26/2018 0:00	-0.58	-0.603
556289	2/27/2018 0:00	-0.608	-0.603
556290	2/28/2018 0:00	-0.592	-0.603
556291	3/1/2018 0:00	-0.638	-0.603
556292	3/2/2018 0:00	-0.62	-0.602
556293	3/3/2018 0:00	-0.615	-0.602
556294	3/4/2018 0:00	-0.613	-0.603
556295	3/5/2018 0:00	-0.609	-0.603
556296	3/6/2018 0:00	-0.595	-0.604
556297	3/7/2018 0:00	-0.609	-0.604

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556298	3/8/2018 0:00	-0.609	-0.605
556299	3/9/2018 0:00	-0.591	-0.606
556300	3/10/2018 0:00	-0.591	-0.605
556301	3/11/2018 0:00	-0.602	-0.606
556302	3/12/2018 0:00	-0.619	-0.606
556303	3/13/2018 0:00	-0.581	-0.606
556304	3/14/2018 0:00	-0.605	-0.608
556305	3/15/2018 0:00	-0.592	-0.608
556306	3/16/2018 0:00	-0.605	-0.609
556307	3/17/2018 0:00	-0.602	-0.608
556308	3/18/2018 0:00	-0.604	-0.607
556309	3/19/2018 0:00	-0.609	-0.606
556310	3/20/2018 0:00	-0.605	-0.606
556311	3/21/2018 0:00	-0.622	-0.606
556312	3/22/2018 0:00	-0.602	-0.606
556313	3/23/2018 0:00	-0.615	-0.606
556314	3/24/2018 0:00	-0.626	-0.606
556315	3/25/2018 0:00	-0.608	-0.606
556316	3/26/2018 0:00	-0.6	-0.607
556317	3/27/2018 0:00	-0.612	-0.607
556318	3/28/2018 0:00	-0.613	-0.606
556319	3/29/2018 0:00	-0.62	-0.607
556320	3/30/2018 0:00	-0.627	-0.607
556321	3/31/2018 0:00	-0.616	-0.608
556322	4/1/2018 0:00	-0.6	-0.607
556323	4/2/2018 0:00	-0.597	-0.607
556324	4/3/2018 0:00	-0.599	-0.607
556325	4/4/2018 0:00	-0.597	-0.608
556326	4/5/2018 0:00	-0.607	-0.608
556327	4/6/2018 0:00	-0.611	-0.608
556328	4/7/2018 0:00	-0.597	-0.608
556329	4/8/2018 0:00	-0.617	-0.608
556330	4/9/2018 0:00	-0.599	-0.608
556331	4/10/2018 0:00	-0.619	-0.608
556332	4/11/2018 0:00	-0.596	-0.609
556333	4/12/2018 0:00	-0.599	-0.609
556334	4/13/2018 0:00	-0.585	-0.609
556335	4/14/2018 0:00	-0.624	-0.608
556336	4/15/2018 0:00	-0.601	-0.608
556337	4/16/2018 0:00	-0.585	-0.607
556338	4/17/2018 0:00	-0.607	-0.607
556339	4/18/2018 0:00	-0.615	-0.608
556340	4/19/2018 0:00	-0.613	-0.609
556341	4/20/2018 0:00	-0.62	-0.609
556342	4/21/2018 0:00	-0.618	-0.61
556343	4/22/2018 0:00	-0.608	-0.61

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556344	4/23/2018 0:00	-0.62	-0.611
556345	4/24/2018 0:00	-0.608	-0.61
556346	4/25/2018 0:00	-0.633	-0.61
556347	4/26/2018 0:00	-0.613	-0.609
556348	4/27/2018 0:00	-0.608	-0.609
556349	4/28/2018 0:00	-0.608	-0.609
556350	4/29/2018 0:00	-0.617	-0.61
556351	4/30/2018 0:00	-0.606	-0.61
556352	5/1/2018 0:00	-0.606	-0.61
556353	5/2/2018 0:00	-0.598	-0.61
556354	5/3/2018 0:00	-0.622	-0.61
556355	5/4/2018 0:00	-0.62	-0.61
556356	5/5/2018 0:00	-0.609	-0.609
556357	5/6/2018 0:00	-0.624	-0.607
556358	5/7/2018 0:00	-0.627	-0.606
556359	5/8/2018 0:00	-0.623	-0.605
556360	5/9/2018 0:00	-0.587	-0.605
556361	5/10/2018 0:00	-0.594	-0.605
556362	5/11/2018 0:00	-0.584	-0.604
556363	5/12/2018 0:00	-0.596	-0.603
556364	5/13/2018 0:00	-0.603	-0.602
556365	5/14/2018 0:00	-0.615	-0.602
556366	5/15/2018 0:00	-0.611	-0.601
556367	5/16/2018 0:00	-0.607	-0.599
556368	5/17/2018 0:00	-0.596	-0.599
556369	5/18/2018 0:00	-0.614	-0.6
556370	5/19/2018 0:00	-0.595	-0.599
556371	5/20/2018 0:00	-0.59	-0.598
556372	5/21/2018 0:00	-0.57	-0.597
556373	5/22/2018 0:00	-0.586	-0.596
556374	5/23/2018 0:00	-0.58	-0.595
556375	5/24/2018 0:00	-0.6	-0.594
556376	5/25/2018 0:00	-0.611	-0.595
556377	5/26/2018 0:00	-0.599	-0.595
556378	5/27/2018 0:00	-0.588	-0.596
556379	5/28/2018 0:00	-0.59	-0.596
556380	5/29/2018 0:00	-0.586	-0.596
556381	5/30/2018 0:00	-0.581	-0.596
556382	5/31/2018 0:00	-0.57	-0.595
556383	6/1/2018 0:00	-0.601	-0.595
556384	6/2/2018 0:00	-0.605	-0.595
556385	6/3/2018 0:00	-0.594	-0.594
556386	6/4/2018 0:00	-0.588	-0.593
556387	6/5/2018 0:00	-0.595	-0.594
556388	6/6/2018 0:00	-0.588	-0.595
556389	6/7/2018 0:00	-0.585	-0.595

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556390	6/8/2018 0:00	-0.607	-0.595
556391	6/9/2018 0:00	-0.621	-0.594
556392	6/10/2018 0:00	-0.599	-0.594
556393	6/11/2018 0:00	-0.598	-0.594
556394	6/12/2018 0:00	-0.595	-0.595
556395	6/13/2018 0:00	-0.6	-0.596
556396	6/14/2018 0:00	-0.612	-0.596
556397	6/15/2018 0:00	-0.604	-0.597
556398	6/16/2018 0:00	-0.589	-0.598
556399	6/17/2018 0:00	-0.597	-0.598
556400	6/18/2018 0:00	-0.577	-0.598
556401	6/19/2018 0:00	-0.591	-0.598
556402	6/20/2018 0:00	-0.601	-0.598
556403	6/21/2018 0:00	-0.609	-0.599
556404	6/22/2018 0:00	-0.586	-0.599
556405	6/23/2018 0:00	-0.578	-0.6
556406	6/24/2018 0:00	-0.581	-0.6
556407	6/25/2018 0:00	-0.596	-0.599
556408	6/26/2018 0:00	-0.616	-0.599
556409	6/27/2018 0:00	-0.613	-0.6
556410	6/28/2018 0:00	-0.608	-0.6
556411	6/29/2018 0:00	-0.593	-0.6
556412	6/30/2018 0:00	-0.596	-0.6
556413	7/1/2018 0:00	-0.612	-0.601
556414	7/2/2018 0:00	-0.606	-0.602
556415	7/3/2018 0:00	-0.6	-0.602
556416	7/4/2018 0:00	-0.602	-0.603
556417	7/5/2018 0:00	-0.593	-0.603
556418	7/6/2018 0:00	-0.604	-0.604
556419	7/7/2018 0:00	-0.604	-0.605
556420	7/8/2018 0:00	-0.603	-0.605
556421	7/9/2018 0:00	-0.609	-0.606
556422	7/10/2018 0:00	-0.599	-0.607
556423	7/11/2018 0:00	-0.603	-0.608
556424	7/12/2018 0:00	-0.608	-0.608
556425	7/13/2018 0:00	-0.606	-0.608
556426	7/14/2018 0:00	-0.615	-0.609
556427	7/15/2018 0:00	-0.608	-0.61
556428	7/16/2018 0:00	-0.622	-0.61
556429	7/17/2018 0:00	-0.611	-0.61
556430	7/18/2018 0:00	-0.604	-0.61
556431	7/19/2018 0:00	-0.618	-0.61
556432	7/20/2018 0:00	-0.601	-0.611
556433	7/21/2018 0:00	-0.627	-0.612
556434	7/22/2018 0:00	-0.621	-0.612
556435	7/23/2018 0:00	-0.598	-0.612

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556436	7/24/2018 0:00	-0.619	-0.612
556437	7/25/2018 0:00	-0.615	-0.613
556438	7/26/2018 0:00	-0.606	-0.614
556439	7/27/2018 0:00	-0.622	-0.614
556440	7/28/2018 0:00	-0.608	-0.614
556441	7/29/2018 0:00	-0.632	-0.615
556442	7/30/2018 0:00	-0.634	-0.615
556443	7/31/2018 0:00	-0.614	-0.615
556444	8/1/2018 0:00	-0.589	-0.615
556445	8/2/2018 0:00	-0.611	-0.615
556446	8/3/2018 0:00	-0.612	-0.616
556447	8/4/2018 0:00	-0.627	-0.615
556448	8/5/2018 0:00	-0.609	-0.616
556449	8/6/2018 0:00	-0.616	-0.616
556450	8/7/2018 0:00	-0.603	-0.616
556451	8/8/2018 0:00	-0.617	-0.616
556452	8/9/2018 0:00	-0.626	-0.616
556453	8/10/2018 0:00	-0.618	-0.616
556454	8/11/2018 0:00	-0.617	-0.616
556455	8/12/2018 0:00	-0.62	-0.616
556456	8/13/2018 0:00	-0.616	-0.616
556457	8/14/2018 0:00	-0.621	-0.615
556458	8/15/2018 0:00	-0.624	-0.615
556459	8/16/2018 0:00	-0.609	-0.615
556460	8/17/2018 0:00	-0.612	-0.616
556461	8/18/2018 0:00	-0.621	-0.615
556462	8/19/2018 0:00	-0.608	-0.615
556463	8/20/2018 0:00	-0.623	-0.615
556464	8/21/2018 0:00	-0.617	-0.614
556465	8/22/2018 0:00	-0.625	-0.615
556466	8/23/2018 0:00	-0.616	-0.616
556467	8/24/2018 0:00	-0.611	-0.615
556468	8/25/2018 0:00	-0.622	-0.614
556469	8/26/2018 0:00	-0.604	-0.615
556470	8/27/2018 0:00	-0.612	-0.615
556471	8/28/2018 0:00	-0.61	-0.616
556472	8/29/2018 0:00	-0.613	-0.616
556473	8/30/2018 0:00	-0.614	-0.616
556474	8/31/2018 0:00	-0.63	-0.616
556475	9/1/2018 0:00	-0.599	-0.617
556476	9/2/2018 0:00	-0.6	-0.618
556477	9/3/2018 0:00	-0.609	-0.619
556478	9/4/2018 0:00	-0.611	-0.619
556479	9/5/2018 0:00	-0.603	-0.62
556480	9/6/2018 0:00	-0.623	-0.621
556481	9/7/2018 0:00	-0.635	-0.621

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556482	9/8/2018 0:00	-0.611	-0.622
556483	9/9/2018 0:00	-0.597	-0.623
556484	9/10/2018 0:00	-0.623	-0.623
556485	9/11/2018 0:00	-0.632	-0.625
556486	9/12/2018 0:00	-0.638	-0.625
556487	9/13/2018 0:00	-0.628	-0.626
556488	9/14/2018 0:00	-0.624	-0.626
556489	9/15/2018 0:00	-0.625	-0.627
556490	9/16/2018 0:00	-0.635	-0.627
556491	9/17/2018 0:00	-0.638	-0.628
556492	9/18/2018 0:00	-0.646	-0.629
556493	9/19/2018 0:00	-0.623	-0.63
556494	9/20/2018 0:00	-0.648	-0.631
556495	9/21/2018 0:00	-0.657	-0.632
556496	9/22/2018 0:00	-0.63	-0.633
556497	9/23/2018 0:00	-0.629	-0.632
556498	9/24/2018 0:00	-0.638	-0.632
556499	9/25/2018 0:00	-0.639	-0.633
556500	9/26/2018 0:00	-0.654	-0.633
556501	9/27/2018 0:00	-0.621	-0.633
556502	9/28/2018 0:00	-0.628	-0.633
556503	9/29/2018 0:00	-0.629	-0.632
556504	9/30/2018 0:00	-0.625	-0.633
556505	10/1/2018 0:00	-0.65	-0.634
556506	10/2/2018 0:00	-0.619	-0.635
556507	10/3/2018 0:00	-0.631	-0.635
556508	10/4/2018 0:00	-0.628	-0.635
556509	10/5/2018 0:00	-0.64	-0.635
556510	10/6/2018 0:00	-0.661	-0.635
556511	10/7/2018 0:00	-0.63	-0.635
556512	10/8/2018 0:00	-0.614	-0.636
556513	10/9/2018 0:00	-0.612	-0.637
556514	10/10/2018 0:00	-0.632	-0.637
556515	10/11/2018 0:00	-0.623	-0.636
556516	10/12/2018 0:00	-0.632	-0.636
556517	10/13/2018 0:00	-0.627	-0.637
556518	10/14/2018 0:00	-0.617	-0.637
556519	10/15/2018 0:00	-0.649	-0.637
556520	10/16/2018 0:00	-0.644	-0.637
556521	10/17/2018 0:00	-0.658	-0.636
556522	10/18/2018 0:00	-0.659	-0.636
556523	10/19/2018 0:00	-0.638	-0.635
556524	10/20/2018 0:00	-0.634	-0.635
556525	10/21/2018 0:00	-0.64	-0.634
556526	10/22/2018 0:00	-0.661	-0.633
556527	10/23/2018 0:00	-0.639	-0.633

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556528	10/24/2018 0:00	-0.661	-0.634
556529	10/25/2018 0:00	-0.637	-0.635
556530	10/26/2018 0:00	-0.637	-0.635
556531	10/27/2018 0:00	-0.637	-0.635
556532	10/28/2018 0:00	-0.639	-0.635
556533	10/29/2018 0:00	-0.645	-0.636
556534	10/30/2018 0:00	-0.62	-0.637
556535	10/31/2018 0:00	-0.623	-0.637
556536	11/1/2018 0:00	-0.636	-0.636
556537	11/2/2018 0:00	-0.627	-0.635
556538	11/3/2018 0:00	-0.595	-0.634
556539	11/4/2018 0:00	-0.617	-0.633
556540	11/5/2018 0:00	-0.618	-0.633
556541	11/6/2018 0:00	-0.622	-0.632
556542	11/7/2018 0:00	-0.632	-0.631
556543	11/8/2018 0:00	-0.637	-0.631
556544	11/9/2018 0:00	-0.643	-0.63
556545	11/10/2018 0:00	-0.64	-0.63
556546	11/11/2018 0:00	-0.632	-0.63
556547	11/12/2018 0:00	-0.629	-0.63
556548	11/13/2018 0:00	-0.645	-0.629
556549	11/14/2018 0:00	-0.644	-0.63
556550	11/15/2018 0:00	-0.645	-0.63
556551	11/16/2018 0:00	-0.613	-0.63
556552	11/17/2018 0:00	-0.628	-0.629
556553	11/18/2018 0:00	-0.624	-0.629
556554	11/19/2018 0:00	-0.631	-0.631
556555	11/20/2018 0:00	-0.62	-0.63
556556	11/21/2018 0:00	-0.626	-0.631
556557	11/22/2018 0:00	-0.626	-0.63
556558	11/23/2018 0:00	-0.631	-0.63
556559	11/24/2018 0:00	-0.634	-0.631
556560	11/25/2018 0:00	-0.634	-0.63
556561	11/26/2018 0:00	-0.636	-0.63
556562	11/27/2018 0:00	-0.636	-0.63
556563	11/28/2018 0:00	-0.617	-0.63
556564	11/29/2018 0:00	-0.666	-0.629
556565	11/30/2018 0:00	-0.634	-0.628
556566	12/1/2018 0:00	-0.626	-0.628
556567	12/2/2018 0:00	-0.586	-0.628
556568	12/3/2018 0:00	-0.624	-0.628
556569	12/4/2018 0:00	-0.657	-0.629
556570	12/5/2018 0:00	-0.608	-0.628
556571	12/6/2018 0:00	-0.625	-0.628
556572	12/7/2018 0:00	-0.614	-0.628
556573	12/8/2018 0:00	-0.624	-0.629

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556574	12/9/2018 0:00	-0.65	-0.629
556575	12/10/2018 0:00	-0.62	-0.628
556576	12/11/2018 0:00	-0.642	-0.628
556577	12/12/2018 0:00	-0.626	-0.627
556578	12/13/2018 0:00	-0.63	-0.626
556579	12/14/2018 0:00	-0.634	-0.627
556580	12/15/2018 0:00	-0.608	-0.626
556581	12/16/2018 0:00	-0.643	-0.626
556582	12/17/2018 0:00	-0.617	-0.626
556583	12/18/2018 0:00	-0.627	-0.627
556584	12/19/2018 0:00	-0.64	-0.627
556585	12/20/2018 0:00	-0.614	-0.626
556586	12/21/2018 0:00	-0.609	-0.626
556587	12/22/2018 0:00	-0.63	-0.626
556588	12/23/2018 0:00	-0.645	-0.627
556589	12/24/2018 0:00	-0.637	-0.629
556590	12/25/2018 0:00	-0.615	-0.629
556591	12/26/2018 0:00	-0.623	-0.63
556592	12/27/2018 0:00	-0.599	-0.629
556593	12/28/2018 0:00	-0.611	-0.629
556594	12/29/2018 0:00	-0.638	-0.63
556595	12/30/2018 0:00	-0.656	-0.631
556596	12/31/2018 0:00	-0.618	-0.633
556597	1/1/2019 0:00	-0.626	-0.633
556598	1/2/2019 0:00	-0.634	-0.634
556599	1/3/2019 0:00	-0.618	-0.635
556600	1/4/2019 0:00	-0.618	-0.636
556601	1/5/2019 0:00	-0.619	-0.638
556602	1/6/2019 0:00	-0.634	-0.639
556603	1/7/2019 0:00	-0.634	-0.64
556604	1/8/2019 0:00	-0.674	-0.64
556605	1/9/2019 0:00	-0.658	-0.64
556606	1/10/2019 0:00	-0.641	-0.641
556607	1/11/2019 0:00	-0.628	-0.643
556608	1/12/2019 0:00	-0.633	-0.644
556609	1/13/2019 0:00	-0.649	-0.645
556610	1/14/2019 0:00	-0.674	-0.644
556611	1/15/2019 0:00	-0.662	-0.643
556612	1/16/2019 0:00	-0.65	-0.644
556613	1/17/2019 0:00	-0.638	-0.644
556614	1/18/2019 0:00	-0.653	-0.644
556615	1/19/2019 0:00	-0.676	-0.644
556616	1/20/2019 0:00	-0.687	-0.644
556617	1/21/2019 0:00	-0.643	-0.645
556618	1/22/2019 0:00	-0.654	-0.645
556619	1/23/2019 0:00	-0.638	-0.645

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556620	1/24/2019 0:00	-0.649	-0.644
556621	1/25/2019 0:00	-0.641	-0.643
556622	1/26/2019 0:00	-0.662	-0.643
556623	1/27/2019 0:00	-0.644	-0.644
556624	1/28/2019 0:00	-0.636	-0.644
556625	1/29/2019 0:00	-0.615	-0.643
556626	1/30/2019 0:00	-0.639	-0.641
556627	1/31/2019 0:00	-0.637	-0.639
556628	2/1/2019 0:00	-0.624	-0.638
556629	2/2/2019 0:00	-0.627	-0.638
556630	2/3/2019 0:00	-0.613	-0.637
556631	2/4/2019 0:00	-0.639	-0.636
556632	2/5/2019 0:00	-0.634	-0.634
556633	2/6/2019 0:00	-0.648	-0.634
556634	2/7/2019 0:00	-0.62	-0.633
556635	2/8/2019 0:00	-0.64	-0.633
556636	2/9/2019 0:00	-0.649	-0.633
556637	2/10/2019 0:00	-0.641	-0.634
556638	2/11/2019 0:00	-0.64	-0.634
556639	2/12/2019 0:00	-0.646	-0.634
556640	2/13/2019 0:00	-0.624	-0.634
556641	2/14/2019 0:00	-0.594	-0.636
556642	2/15/2019 0:00	-0.605	-0.636
556643	2/16/2019 0:00	-0.614	-0.637
556644	2/17/2019 0:00	-0.644	-0.638
556645	2/18/2019 0:00	-0.638	-0.639
556646	2/19/2019 0:00	-0.627	-0.64
556647	2/20/2019 0:00	-0.633	-0.641
556648	2/21/2019 0:00	-0.626	-0.641
556649	2/22/2019 0:00	-0.625	-0.641
556650	2/23/2019 0:00	-0.652	-0.642
556651	2/24/2019 0:00	-0.66	-0.643
556652	2/25/2019 0:00	-0.656	-0.643
556653	2/26/2019 0:00	-0.665	-0.642
556654	2/27/2019 0:00	-0.652	-0.643
556655	2/28/2019 0:00	-0.644	-0.644
556656	3/1/2019 0:00	-0.654	-0.646
556657	3/2/2019 0:00	-0.633	-0.649
556658	3/3/2019 0:00	-0.678	-0.651
556659	3/4/2019 0:00	-0.646	-0.653
556660	3/5/2019 0:00	-0.661	-0.654
556661	3/6/2019 0:00	-0.666	-0.655
556662	3/7/2019 0:00	-0.66	-0.656
556663	3/8/2019 0:00	-0.638	-0.658
556664	3/9/2019 0:00	-0.656	-0.659
556665	3/10/2019 0:00	-0.643	-0.66

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556666	3/11/2019 0:00	-0.658	-0.661
556667	3/12/2019 0:00	-0.642	-0.661
556668	3/13/2019 0:00	-0.629	-0.661
556669	3/14/2019 0:00	-0.653	-0.661
556670	3/15/2019 0:00	-0.679	-0.662
556671	3/16/2019 0:00	-0.682	-0.663
556672	3/17/2019 0:00	-0.688	-0.662
556673	3/18/2019 0:00	-0.675	-0.663
556674	3/19/2019 0:00	-0.671	-0.662
556675	3/20/2019 0:00	-0.679	-0.663
556676	3/21/2019 0:00	-0.673	-0.663
556677	3/22/2019 0:00	-0.669	-0.662
556678	3/23/2019 0:00	-0.675	-0.662
556679	3/24/2019 0:00	-0.671	-0.662
556680	3/25/2019 0:00	-0.664	-0.663
556681	3/26/2019 0:00	-0.664	-0.663
556682	3/27/2019 0:00	-0.675	-0.663
556683	3/28/2019 0:00	-0.665	-0.662
556684	3/29/2019 0:00	-0.663	-0.662
556685	3/30/2019 0:00	-0.676	-0.662
556686	3/31/2019 0:00	-0.66	-0.661
556687	4/1/2019 0:00	-0.646	-0.66
556688	4/2/2019 0:00	-0.634	-0.659
556689	4/3/2019 0:00	-0.66	-0.659
556690	4/4/2019 0:00	-0.67	-0.658
556691	4/5/2019 0:00	-0.659	-0.656
556692	4/6/2019 0:00	-0.655	-0.655
556693	4/7/2019 0:00	-0.641	-0.654
556694	4/8/2019 0:00	-0.659	-0.654
556695	4/9/2019 0:00	-0.675	-0.653
556696	4/10/2019 0:00	-0.643	-0.653
556697	4/11/2019 0:00	-0.661	-0.652
556698	4/12/2019 0:00	-0.625	-0.651
556699	4/13/2019 0:00	-0.629	-0.65
556700	4/14/2019 0:00	-0.652	-0.649
556701	4/15/2019 0:00	-0.639	-0.648
556702	4/16/2019 0:00	-0.639	-0.648
556703	4/17/2019 0:00	-0.664	-0.648
556704	4/18/2019 0:00	-0.659	-0.648
556705	4/19/2019 0:00	-0.64	-0.648
556706	4/20/2019 0:00	-0.636	-0.646
556707	4/21/2019 0:00	-0.621	-0.646
556708	4/22/2019 0:00	-0.649	-0.645
556709	4/23/2019 0:00	-0.667	-0.645
556710	4/24/2019 0:00	-0.648	-0.645
556711	4/25/2019 0:00	-0.654	-0.643

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556712	4/26/2019 0:00	-0.635	-0.643
556713	4/27/2019 0:00	-0.645	-0.641
556714	4/28/2019 0:00	-0.645	-0.641
556715	4/29/2019 0:00	-0.647	-0.642
556716	4/30/2019 0:00	-0.634	-0.641
556717	5/1/2019 0:00	-0.658	-0.641
556718	5/2/2019 0:00	-0.647	-0.64
556719	5/3/2019 0:00	-0.64	-0.639
556720	5/4/2019 0:00	-0.637	-0.638
556721	5/5/2019 0:00	-0.637	-0.637
556722	5/6/2019 0:00	-0.642	-0.636
556723	5/7/2019 0:00	-0.635	-0.636
556724	5/8/2019 0:00	-0.642	-0.636
556725	5/9/2019 0:00	-0.644	-0.636
556726	5/10/2019 0:00	-0.63	-0.636
556727	5/11/2019 0:00	-0.624	-0.635
556728	5/12/2019 0:00	-0.62	-0.635
556729	5/13/2019 0:00	-0.618	-0.635
556730	5/14/2019 0:00	-0.64	-0.634
556731	5/15/2019 0:00	-0.649	-0.634
556732	5/16/2019 0:00	-0.616	-0.634
556733	5/17/2019 0:00	-0.623	-0.633
556734	5/18/2019 0:00	-0.628	-0.633
556735	5/19/2019 0:00	-0.624	-0.632
556736	5/20/2019 0:00	-0.606	-0.632
556737	5/21/2019 0:00	-0.625	-0.632
556738	5/22/2019 0:00	-0.616	-0.631
556739	5/23/2019 0:00	-0.651	-0.632
556740	5/24/2019 0:00	-0.651	-0.632
556741	5/25/2019 0:00	-0.643	-0.632
556742	5/26/2019 0:00	-0.646	-0.633
556743	5/27/2019 0:00	-0.632	-0.634
556744	5/28/2019 0:00	-0.62	-0.635
556745	5/29/2019 0:00	-0.631	-0.636
556746	5/30/2019 0:00	-0.64	-0.636
556747	5/31/2019 0:00	-0.631	-0.636
556748	6/1/2019 0:00	-0.629	-0.637
556749	6/2/2019 0:00	-0.64	-0.638
556750	6/3/2019 0:00	-0.624	-0.639
556751	6/4/2019 0:00	-0.63	-0.639
556752	6/5/2019 0:00	-0.627	-0.64
556753	6/6/2019 0:00	-0.635	-0.641
556754	6/7/2019 0:00	-0.649	-0.642
556755	6/8/2019 0:00	-0.644	-0.641
556756	6/9/2019 0:00	-0.646	-0.64
556757	6/10/2019 0:00	-0.662	-0.639

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556758	6/11/2019 0:00	-0.656	-0.639
556759	6/12/2019 0:00	-0.653	-0.64
556760	6/13/2019 0:00	-0.645	-0.641
556761	6/14/2019 0:00	-0.646	-0.642
556762	6/15/2019 0:00	-0.642	-0.643
556763	6/16/2019 0:00	-0.645	-0.643
556764	6/17/2019 0:00	-0.654	-0.644
556765	6/18/2019 0:00	-0.663	-0.644
556766	6/19/2019 0:00	-0.634	-0.645
556767	6/20/2019 0:00	-0.633	-0.645
556768	6/21/2019 0:00	-0.639	-0.646
556769	6/22/2019 0:00	-0.644	-0.646
556770	6/23/2019 0:00	-0.621	-0.646
556771	6/24/2019 0:00	-0.626	-0.647
556772	6/25/2019 0:00	-0.628	-0.648
556773	6/26/2019 0:00	-0.648	-0.648
556774	6/27/2019 0:00	-0.653	-0.648
556775	6/28/2019 0:00	-0.648	-0.648
556776	6/29/2019 0:00	-0.653	-0.649
556777	6/30/2019 0:00	-0.671	-0.649
556778	7/1/2019 0:00	-0.638	-0.649
556779	7/2/2019 0:00	-0.66	-0.65
556780	7/3/2019 0:00	-0.643	-0.65
556781	7/4/2019 0:00	-0.645	-0.649
556782	7/5/2019 0:00	-0.651	-0.65
556783	7/6/2019 0:00	-0.653	-0.651
556784	7/7/2019 0:00	-0.645	-0.652
556785	7/8/2019 0:00	-0.641	-0.652
556786	7/9/2019 0:00	-0.662	-0.653
556787	7/10/2019 0:00	-0.672	-0.654
556788	7/11/2019 0:00	-0.66	-0.656
556789	7/12/2019 0:00	-0.663	-0.656
556790	7/13/2019 0:00	-0.667	-0.656
556791	7/14/2019 0:00	-0.676	-0.656
556792	7/15/2019 0:00	-0.647	-0.656
556793	7/16/2019 0:00	-0.637	-0.656
556794	7/17/2019 0:00	-0.659	-0.657
556795	7/18/2019 0:00	-0.668	-0.657
556796	7/19/2019 0:00	-0.639	-0.658
556797	7/20/2019 0:00	-0.656	-0.659
556798	7/21/2019 0:00	-0.653	-0.658
556799	7/22/2019 0:00	-0.676	-0.658
556800	7/23/2019 0:00	-0.648	-0.658
556801	7/24/2019 0:00	-0.654	-0.659
556802	7/25/2019 0:00	-0.66	-0.659
556803	7/26/2019 0:00	-0.679	-0.659

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556804	7/27/2019 0:00	-0.648	-0.658
556805	7/28/2019 0:00	-0.662	-0.659
556806	7/29/2019 0:00	-0.657	-0.659
556807	7/30/2019 0:00	-0.656	-0.659
556808	7/31/2019 0:00	-0.662	-0.658
556809	8/1/2019 0:00	-0.671	-0.659
556810	8/2/2019 0:00	-0.667	-0.659
556811	8/3/2019 0:00	-0.666	-0.658
556812	8/4/2019 0:00	-0.658	-0.659
556813	8/5/2019 0:00	-0.633	-0.658
556814	8/6/2019 0:00	-0.642	-0.657
556815	8/7/2019 0:00	-0.659	-0.656
556816	8/8/2019 0:00	-0.664	-0.656
556817	8/9/2019 0:00	-0.671	-0.656
556818	8/10/2019 0:00	-0.66	-0.656
556819	8/11/2019 0:00	-0.651	-0.655
556820	8/12/2019 0:00	-0.696	-0.655
556821	8/13/2019 0:00	-0.656	-0.655
556822	8/14/2019 0:00	-0.669	-0.655
556823	8/15/2019 0:00	-0.635	-0.655
556824	8/16/2019 0:00	-0.645	-0.655
556825	8/17/2019 0:00	-0.655	-0.654
556826	8/18/2019 0:00	-0.661	-0.654
556827	8/19/2019 0:00	-0.648	-0.654
556828	8/20/2019 0:00	-0.637	-0.655
556829	8/21/2019 0:00	-0.628	-0.656
556830	8/22/2019 0:00	-0.642	-0.656
556831	8/23/2019 0:00	-0.653	-0.657
556832	8/24/2019 0:00	-0.639	-0.656
556833	8/25/2019 0:00	-0.662	-0.656
556834	8/26/2019 0:00	-0.654	-0.656
556835	8/27/2019 0:00	-0.656	-0.656
556836	8/28/2019 0:00	-0.669	-0.654
556837	8/29/2019 0:00	-0.657	-0.654
556838	8/30/2019 0:00	-0.656	-0.654
556839	8/31/2019 0:00	-0.644	-0.655
556840	9/1/2019 0:00	-0.651	-0.656
556841	9/2/2019 0:00	-0.672	-0.656
556842	9/3/2019 0:00	-0.658	-0.656
556843	9/4/2019 0:00	-0.673	-0.657
556844	9/5/2019 0:00	-0.667	-0.657
556845	9/6/2019 0:00	-0.665	-0.658
556846	9/7/2019 0:00	-0.665	-0.659
556847	9/8/2019 0:00	-0.642	-0.658
556848	9/9/2019 0:00	-0.671	-0.659
556849	9/10/2019 0:00	-0.661	-0.658

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556850	9/11/2019 0:00	-0.644	-0.658
556851	9/12/2019 0:00	-0.654	-0.657
556852	9/13/2019 0:00	-0.659	-0.656
556853	9/14/2019 0:00	-0.663	-0.656
556854	9/15/2019 0:00	-0.666	-0.655
556855	9/16/2019 0:00	-0.66	-0.656
556856	9/17/2019 0:00	-0.663	-0.656
556857	9/18/2019 0:00	-0.666	-0.656
556858	9/19/2019 0:00	-0.664	-0.657
556859	9/20/2019 0:00	-0.654	-0.656
556860	9/21/2019 0:00	-0.653	-0.656
556861	9/22/2019 0:00	-0.656	-0.656
556862	9/23/2019 0:00	-0.646	-0.655
556863	9/24/2019 0:00	-0.66	-0.656
556864	9/25/2019 0:00	-0.642	-0.655
556865	9/26/2019 0:00	-0.635	-0.655
556866	9/27/2019 0:00	-0.647	-0.655
556867	9/28/2019 0:00	-0.626	-0.654
556868	9/29/2019 0:00	-0.643	-0.654
556869	9/30/2019 0:00	-0.647	-0.654
556870	10/1/2019 0:00	-0.655	-0.654
556871	10/2/2019 0:00	-0.67	-0.653
556872	10/3/2019 0:00	-0.669	-0.652
556873	10/4/2019 0:00	-0.678	-0.651
556874	10/5/2019 0:00	-0.66	-0.651
556875	10/6/2019 0:00	-0.656	-0.65
556876	10/7/2019 0:00	-0.648	-0.649
556877	10/8/2019 0:00	-0.657	-0.649
556878	10/9/2019 0:00	-0.66	-0.649
556879	10/10/2019 0:00	-0.659	-0.649
556880	10/11/2019 0:00	-0.643	-0.648
556881	10/12/2019 0:00	-0.642	-0.648
556882	10/13/2019 0:00	-0.632	-0.648
556883	10/14/2019 0:00	-0.653	-0.649
556884	10/15/2019 0:00	-0.66	-0.649
556885	10/16/2019 0:00	-0.663	-0.65
556886	10/17/2019 0:00	-0.637	-0.649
556887	10/18/2019 0:00	-0.628	-0.649
556888	10/19/2019 0:00	-0.651	-0.648
556889	10/20/2019 0:00	-0.637	-0.647
556890	10/21/2019 0:00	-0.63	-0.647
556891	10/22/2019 0:00	-0.64	-0.647
556892	10/23/2019 0:00	-0.642	-0.647
556893	10/24/2019 0:00	-0.654	-0.647
556894	10/25/2019 0:00	-0.645	-0.647
556895	10/26/2019 0:00	-0.626	-0.647

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556896	10/27/2019 0:00	-0.637	-0.648
556897	10/28/2019 0:00	-0.646	-0.648
556898	10/29/2019 0:00	-0.652	-0.648
556899	10/30/2019 0:00	-0.651	-0.648
556900	10/31/2019 0:00	-0.655	-0.647
556901	11/1/2019 0:00	-0.645	-0.647
556902	11/2/2019 0:00	-0.656	-0.648
556903	11/3/2019 0:00	-0.649	-0.648
556904	11/4/2019 0:00	-0.646	-0.647
556905	11/5/2019 0:00	-0.64	-0.646
556906	11/6/2019 0:00	-0.666	-0.647
556907	11/7/2019 0:00	-0.655	-0.646
556908	11/8/2019 0:00	-0.66	-0.646
556909	11/9/2019 0:00	-0.665	-0.646
556910	11/10/2019 0:00	-0.66	-0.646
556911	11/11/2019 0:00	-0.651	-0.647
556912	11/12/2019 0:00	-0.657	-0.646
556913	11/13/2019 0:00	-0.638	-0.646
556914	11/14/2019 0:00	-0.633	-0.646
556915	11/15/2019 0:00	-0.655	-0.647
556916	11/16/2019 0:00	-0.657	-0.647
556917	11/17/2019 0:00	-0.651	-0.646
556918	11/18/2019 0:00	-0.634	-0.646
556919	11/19/2019 0:00	-0.62	-0.646
556920	11/20/2019 0:00	-0.62	-0.647
556921	11/21/2019 0:00	-0.638	-0.648
556922	11/22/2019 0:00	-0.63	-0.647
556923	11/23/2019 0:00	-0.642	-0.647
556924	11/24/2019 0:00	-0.648	-0.647
556925	11/25/2019 0:00	-0.636	-0.647
556926	11/26/2019 0:00	-0.65	-0.648
556927	11/27/2019 0:00	-0.628	-0.649
556928	11/28/2019 0:00	-0.639	-0.65
556929	11/29/2019 0:00	-0.651	-0.651
556930	11/30/2019 0:00	-0.67	-0.651
556931	12/1/2019 0:00	-0.657	-0.651
556932	12/2/2019 0:00	-0.638	-0.651
556933	12/3/2019 0:00	-0.642	-0.652
556934	12/4/2019 0:00	-0.664	-0.652
556935	12/5/2019 0:00	-0.656	-0.654
556936	12/6/2019 0:00	-0.676	-0.655
556937	12/7/2019 0:00	-0.637	-0.656
556938	12/8/2019 0:00	-0.646	-0.657
556939	12/9/2019 0:00	-0.663	-0.658
556940	12/10/2019 0:00	-0.659	-0.658
556941	12/11/2019 0:00	-0.705	-0.658

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556942	12/12/2019 0:00	-0.676	-0.658
556943	12/13/2019 0:00	-0.689	-0.659
556944	12/14/2019 0:00	-0.662	-0.659
556945	12/15/2019 0:00	-0.648	-0.66
556946	12/16/2019 0:00	-0.645	-0.659
556947	12/17/2019 0:00	-0.67	-0.659
556948	12/18/2019 0:00	-0.659	-0.66
556949	12/19/2019 0:00	-0.659	-0.66
556950	12/20/2019 0:00	-0.663	-0.661
556951	12/21/2019 0:00	-0.654	-0.662
556952	12/22/2019 0:00	-0.675	-0.662
556953	12/23/2019 0:00	-0.67	-0.663
556954	12/24/2019 0:00	-0.673	-0.663
556955	12/25/2019 0:00	-0.647	-0.663
556956	12/26/2019 0:00	-0.637	-0.664
556957	12/27/2019 0:00	-0.634	-0.663
556958	12/28/2019 0:00	-0.651	-0.663
556959	12/29/2019 0:00	-0.658	-0.663
556960	12/30/2019 0:00	-0.68	-0.663
556961	12/31/2019 0:00	-0.651	-0.663
556962	1/1/2020 0:00	-0.646	-0.664
556963	1/2/2020 0:00	-0.653	-0.664
556964	1/3/2020 0:00	-0.667	-0.664
556965	1/4/2020 0:00	-0.677	-0.665
556966	1/5/2020 0:00	-0.694	-0.665
556967	1/6/2020 0:00	-0.682	-0.666
556968	1/7/2020 0:00	-0.665	-0.666
556969	1/8/2020 0:00	-0.648	-0.665
556970	1/9/2020 0:00	-0.658	-0.665
556971	1/10/2020 0:00	-0.682	-0.665
556972	1/11/2020 0:00	-0.683	-0.666
556973	1/12/2020 0:00	-0.679	-0.667
556974	1/13/2020 0:00	-0.679	-0.667
556975	1/14/2020 0:00	-0.663	-0.668
556976	1/15/2020 0:00	-0.656	-0.667
556977	1/16/2020 0:00	-0.672	-0.667
556978	1/17/2020 0:00	-0.67	-0.668
556979	1/18/2020 0:00	-0.668	-0.669
556980	1/19/2020 0:00	-0.672	-0.669
556981	1/20/2020 0:00	-0.664	-0.669
556982	1/21/2020 0:00	-0.677	-0.667
556983	1/22/2020 0:00	-0.677	-0.666
556984	1/23/2020 0:00	-0.652	-0.666
556985	1/24/2020 0:00	-0.662	-0.667
556986	1/25/2020 0:00	-0.671	-0.666
556987	1/26/2020 0:00	-0.651	-0.665

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
556988	1/27/2020 0:00	-0.664	-0.665
556989	1/28/2020 0:00	-0.667	-0.664
556990	1/29/2020 0:00	-0.674	-0.664
556991	1/30/2020 0:00	-0.651	-0.664
556992	1/31/2020 0:00	-0.66	-0.664
556993	2/1/2020 0:00	-0.672	-0.664
556994	2/2/2020 0:00	-0.671	-0.664
556995	2/3/2020 0:00	-0.671	-0.664
556996	2/4/2020 0:00	-0.674	-0.664
556997	2/5/2020 0:00	-0.651	-0.664
556998	2/6/2020 0:00	-0.65	-0.664
556999	2/7/2020 0:00	-0.669	-0.663
557000	2/8/2020 0:00	-0.66	-0.663
557001	2/9/2020 0:00	-0.646	-0.664
557002	2/10/2020 0:00	-0.645	-0.664
557003	2/11/2020 0:00	-0.665	-0.665
557004	2/12/2020 0:00	-0.669	-0.665
557005	2/13/2020 0:00	-0.665	-0.665
557006	2/14/2020 0:00	-0.653	-0.665
557007	2/15/2020 0:00	-0.677	-0.665
557008	2/16/2020 0:00	-0.676	-0.665
557009	2/17/2020 0:00	-0.666	-0.664
557010	2/18/2020 0:00	-0.664	-0.665
557011	2/19/2020 0:00	-0.666	-0.665
557012	2/20/2020 0:00	-0.669	-0.664
557013	2/21/2020 0:00	-0.662	-0.666
557014	2/22/2020 0:00	-0.668	-0.667
557015	2/23/2020 0:00	-0.653	-0.666
557016	2/24/2020 0:00	-0.671	-0.667
557017	2/25/2020 0:00	-0.672	-0.667
557018	2/26/2020 0:00	-0.693	-0.667
557019	2/27/2020 0:00	-0.678	-0.667
557020	2/28/2020 0:00	-0.651	-0.668
557021	2/29/2020 0:00	-0.663	-0.669
557022	3/1/2020 0:00	-0.665	-0.669
557023	3/2/2020 0:00	-0.649	-0.668
557024	3/3/2020 0:00	-0.659	-0.668
557025	3/4/2020 0:00	-0.682	-0.668
557026	3/5/2020 0:00	-0.669	-0.669
557027	3/6/2020 0:00	-0.671	-0.669
557028	3/7/2020 0:00	-0.691	-0.669
557029	3/8/2020 0:00	-0.68	-0.669
557030	3/9/2020 0:00	-0.66	-0.669
557031	3/10/2020 0:00	-0.667	-0.67
557032	3/11/2020 0:00	-0.647	-0.669
557033	3/12/2020 0:00	-0.652	-0.668

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557034	3/13/2020 0:00	-0.659	-0.668
557035	3/14/2020 0:00	-0.698	-0.668
557036	3/15/2020 0:00	-0.7	-0.669
557037	3/16/2020 0:00	-0.671	-0.67
557038	3/17/2020 0:00	-0.65	-0.671
557039	3/18/2020 0:00	-0.673	-0.672
557040	3/19/2020 0:00	-0.662	-0.673
557041	3/20/2020 0:00	-0.676	-0.672
557042	3/21/2020 0:00	-0.671	-0.672
557043	3/22/2020 0:00	-0.661	-0.671
557044	3/23/2020 0:00	-0.666	-0.671
557045	3/24/2020 0:00	-0.674	-0.671
557046	3/25/2020 0:00	-0.675	-0.671
557047	3/26/2020 0:00	-0.651	-0.671
557048	3/27/2020 0:00	-0.655	-0.672
557049	3/28/2020 0:00	-0.685	-0.672
557050	3/29/2020 0:00	-0.673	-0.672
557051	3/30/2020 0:00	-0.687	-0.671
557052	3/31/2020 0:00	-0.697	-0.67
557053	4/1/2020 0:00	-0.696	-0.67
557054	4/2/2020 0:00	-0.676	-0.67
557055	4/3/2020 0:00	-0.676	-0.669
557056	4/4/2020 0:00	-0.667	-0.668
557057	4/5/2020 0:00	-0.652	-0.667
557058	4/6/2020 0:00	-0.662	-0.666
557059	4/7/2020 0:00	-0.68	-0.667
557060	4/8/2020 0:00	-0.665	-0.666
557061	4/9/2020 0:00	-0.664	-0.666
557062	4/10/2020 0:00	-0.679	-0.665
557063	4/11/2020 0:00	-0.661	-0.665
557064	4/12/2020 0:00	-0.662	-0.666
557065	4/13/2020 0:00	-0.664	-0.665
557066	4/14/2020 0:00	-0.661	-0.664
557067	4/15/2020 0:00	-0.666	-0.663
557068	4/16/2020 0:00	-0.667	-0.661
557069	4/17/2020 0:00	-0.655	-0.66
557070	4/18/2020 0:00	-0.641	-0.659
557071	4/19/2020 0:00	-0.643	-0.659
557072	4/20/2020 0:00	-0.631	-0.659
557073	4/21/2020 0:00	-0.664	-0.659
557074	4/22/2020 0:00	-0.669	-0.659
557075	4/23/2020 0:00	-0.643	-0.658
557076	4/24/2020 0:00	-0.664	-0.659
557077	4/25/2020 0:00	-0.653	-0.659
557078	4/26/2020 0:00	-0.664	-0.658
557079	4/27/2020 0:00	-0.671	-0.658

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557080	4/28/2020 0:00	-0.647	-0.658
557081	4/29/2020 0:00	-0.669	-0.658
557082	4/30/2020 0:00	-0.643	-0.657
557083	5/1/2020 0:00	-0.642	-0.657
557084	5/2/2020 0:00	-0.665	-0.657
557085	5/3/2020 0:00	-0.649	-0.656
557086	5/4/2020 0:00	-0.663	-0.657
557087	5/5/2020 0:00	-0.663	-0.658
557088	5/6/2020 0:00	-0.659	-0.659
557089	5/7/2020 0:00	-0.657	-0.658
557090	5/8/2020 0:00	-0.668	-0.658
557091	5/9/2020 0:00	-0.678	-0.659
557092	5/10/2020 0:00	-0.67	-0.659
557093	5/11/2020 0:00	-0.654	-0.659
557094	5/12/2020 0:00	-0.657	-0.659
557095	5/13/2020 0:00	-0.669	-0.659
557096	5/14/2020 0:00	-0.644	-0.659
557097	5/15/2020 0:00	-0.65	-0.659
557098	5/16/2020 0:00	-0.672	-0.66
557099	5/17/2020 0:00	-0.639	-0.66
557100	5/18/2020 0:00	-0.636	-0.66
557101	5/19/2020 0:00	-0.662	-0.66
557102	5/20/2020 0:00	-0.671	-0.66
557103	5/21/2020 0:00	-0.666	-0.659
557104	5/22/2020 0:00	-0.646	-0.659
557105	5/23/2020 0:00	-0.656	-0.66
557106	5/24/2020 0:00	-0.67	-0.659
557107	5/25/2020 0:00	-0.68	-0.658
557108	5/26/2020 0:00	-0.659	-0.657
557109	5/27/2020 0:00	-0.658	-0.657
557110	5/28/2020 0:00	-0.657	-0.658
557111	5/29/2020 0:00	-0.669	-0.657
557112	5/30/2020 0:00	-0.673	-0.658
557113	5/31/2020 0:00	-0.646	-0.658
557114	6/1/2020 0:00	-0.655	-0.657
557115	6/2/2020 0:00	-0.657	-0.657
557116	6/3/2020 0:00	-0.655	-0.658
557117	6/4/2020 0:00	-0.663	-0.657
557118	6/5/2020 0:00	-0.646	-0.657
557119	6/6/2020 0:00	-0.66	-0.656
557120	6/7/2020 0:00	-0.659	-0.656
557121	6/8/2020 0:00	-0.646	-0.656
557122	6/9/2020 0:00	-0.65	-0.655
557123	6/10/2020 0:00	-0.652	-0.655
557124	6/11/2020 0:00	-0.655	-0.655
557125	6/12/2020 0:00	-0.665	-0.654

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557126	6/13/2020 0:00	-0.657	-0.654
557127	6/14/2020 0:00	-0.66	-0.653
557128	6/15/2020 0:00	-0.65	-0.652
557129	6/16/2020 0:00	-0.65	-0.652
557130	6/17/2020 0:00	-0.631	-0.651
557131	6/18/2020 0:00	-0.665	-0.652
557132	6/19/2020 0:00	-0.648	-0.652
557133	6/20/2020 0:00	-0.65	-0.652
557134	6/21/2020 0:00	-0.647	-0.653
557135	6/22/2020 0:00	-0.649	-0.653
557136	6/23/2020 0:00	-0.648	-0.652
557137	6/24/2020 0:00	-0.656	-0.652
557138	6/25/2020 0:00	-0.659	-0.651
557139	6/26/2020 0:00	-0.67	-0.651
557140	6/27/2020 0:00	-0.64	-0.651
557141	6/28/2020 0:00	-0.634	-0.651
557142	6/29/2020 0:00	-0.657	-0.651
557143	6/30/2020 0:00	-0.638	-0.651
557144	7/1/2020 0:00	-0.633	-0.651
557145	7/2/2020 0:00	-0.642	-0.651
557146	7/3/2020 0:00	-0.665	-0.652
557147	7/4/2020 0:00	-0.662	-0.651
557148	7/5/2020 0:00	-0.674	-0.652
557149	7/6/2020 0:00	-0.666	-0.652
557150	7/7/2020 0:00	-0.653	-0.652
557151	7/8/2020 0:00	-0.63	-0.652
557152	7/9/2020 0:00	-0.642	-0.652
557153	7/10/2020 0:00	-0.636	-0.652
557154	7/11/2020 0:00	-0.651	-0.653
557155	7/12/2020 0:00	-0.645	-0.652
557156	7/13/2020 0:00	-0.669	-0.652
557157	7/14/2020 0:00	-0.65	-0.653
557158	7/15/2020 0:00	-0.664	-0.653
557159	7/16/2020 0:00	-0.649	-0.655
557160	7/17/2020 0:00	-0.673	-0.656
557161	7/18/2020 0:00	-0.646	-0.657
557162	7/19/2020 0:00	-0.636	-0.657
557163	7/20/2020 0:00	-0.664	-0.658
557164	7/21/2020 0:00	-0.663	-0.657
557165	7/22/2020 0:00	-0.645	-0.657
557166	7/23/2020 0:00	-0.651	-0.657
557167	7/24/2020 0:00	-0.651	-0.658
557168	7/25/2020 0:00	-0.668	-0.659
557169	7/26/2020 0:00	-0.67	-0.66
557170	7/27/2020 0:00	-0.636	-0.661
557171	7/28/2020 0:00	-0.651	-0.661

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557172	7/29/2020 0:00	-0.663	-0.662
557173	7/30/2020 0:00	-0.663	-0.663
557174	7/31/2020 0:00	-0.686	-0.664
557175	8/1/2020 0:00	-0.673	-0.665
557176	8/2/2020 0:00	-0.663	-0.665
557177	8/3/2020 0:00	-0.683	-0.666
557178	8/4/2020 0:00	-0.676	-0.667
557179	8/5/2020 0:00	-0.653	-0.667
557180	8/6/2020 0:00	-0.666	-0.668
557181	8/7/2020 0:00	-0.654	-0.669
557182	8/8/2020 0:00	-0.663	-0.67
557183	8/9/2020 0:00	-0.673	-0.671
557184	8/10/2020 0:00	-0.666	-0.67
557185	8/11/2020 0:00	-0.662	-0.67
557186	8/12/2020 0:00	-0.672	-0.671
557187	8/13/2020 0:00	-0.695	-0.672
557188	8/14/2020 0:00	-0.68	-0.672
557189	8/15/2020 0:00	-0.693	-0.672
557190	8/16/2020 0:00	-0.671	-0.671
557191	8/17/2020 0:00	-0.679	-0.671
557192	8/18/2020 0:00	-0.681	-0.671
557193	8/19/2020 0:00	-0.675	-0.671
557194	8/20/2020 0:00	-0.663	-0.671
557195	8/21/2020 0:00	-0.696	-0.672
557196	8/22/2020 0:00	-0.673	-0.672
557197	8/23/2020 0:00	-0.681	-0.673
557198	8/24/2020 0:00	-0.678	-0.673
557199	8/25/2020 0:00	-0.636	-0.672
557200	8/26/2020 0:00	-0.664	-0.673
557201	8/27/2020 0:00	-0.679	-0.673
557202	8/28/2020 0:00	-0.671	-0.674
557203	8/29/2020 0:00	-0.664	-0.673
557204	8/30/2020 0:00	-0.667	-0.673
557205	8/31/2020 0:00	-0.665	-0.673
557206	9/1/2020 0:00	-0.665	-0.674
557207	9/2/2020 0:00	-0.67	-0.674
557208	9/3/2020 0:00	-0.671	-0.674
557209	9/4/2020 0:00	-0.676	-0.674
557210	9/5/2020 0:00	-0.696	-0.675
557211	9/6/2020 0:00	-0.662	-0.674
557212	9/7/2020 0:00	-0.665	-0.674
557213	9/8/2020 0:00	-0.662	-0.674
557214	9/9/2020 0:00	-0.667	-0.675
557215	9/10/2020 0:00	-0.683	-0.676
557216	9/11/2020 0:00	-0.672	-0.676
557217	9/12/2020 0:00	-0.683	-0.676

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557218	9/13/2020 0:00	-0.682	-0.676
557219	9/14/2020 0:00	-0.686	-0.676
557220	9/15/2020 0:00	-0.691	-0.677
557221	9/16/2020 0:00	-0.691	-0.677
557222	9/17/2020 0:00	-0.69	-0.677
557223	9/18/2020 0:00	-0.685	-0.677
557224	9/19/2020 0:00	-0.657	-0.677
557225	9/20/2020 0:00	-0.69	-0.677
557226	9/21/2020 0:00	-0.673	-0.676
557227	9/22/2020 0:00	-0.679	-0.677
557228	9/23/2020 0:00	-0.689	-0.677
557229	9/24/2020 0:00	-0.685	-0.677
557230	9/25/2020 0:00	-0.679	-0.678
557231	9/26/2020 0:00	-0.675	-0.677
557232	9/27/2020 0:00	-0.679	-0.677
557233	9/28/2020 0:00	-0.658	-0.676
557234	9/29/2020 0:00	-0.671	-0.675
557235	9/30/2020 0:00	-0.677	-0.675
557236	10/1/2020 0:00	-0.682	-0.674
557237	10/2/2020 0:00	-0.669	-0.675
557238	10/3/2020 0:00	-0.664	-0.674
557239	10/4/2020 0:00	-0.667	-0.674
557240	10/5/2020 0:00	-0.678	-0.675
557241	10/6/2020 0:00	-0.679	-0.674
557242	10/7/2020 0:00	-0.672	-0.674
557243	10/8/2020 0:00	-0.66	-0.675
557244	10/9/2020 0:00	-0.676	-0.674
557245	10/10/2020 0:00	-0.682	-0.674
557246	10/11/2020 0:00	-0.671	-0.673
557247	10/12/2020 0:00	-0.66	-0.673
557248	10/13/2020 0:00	-0.672	-0.673
557249	10/14/2020 0:00	-0.654	-0.674
557250	10/15/2020 0:00	-0.668	-0.674
557251	10/16/2020 0:00	-0.677	-0.674
557252	10/17/2020 0:00	-0.696	-0.674
557253	10/18/2020 0:00	-0.681	-0.674
557254	10/19/2020 0:00	-0.674	-0.675
557255	10/20/2020 0:00	-0.675	-0.675
557256	10/21/2020 0:00	-0.677	-0.675
557257	10/22/2020 0:00	-0.68	-0.675
557258	10/23/2020 0:00	-0.687	-0.674
557259	10/24/2020 0:00	-0.67	-0.674
557260	10/25/2020 0:00	-0.673	-0.673
557261	10/26/2020 0:00	-0.658	-0.672
557262	10/27/2020 0:00	-0.686	-0.672
557263	10/28/2020 0:00	-0.677	-0.672

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557264	10/29/2020 0:00	-0.671	-0.672
557265	10/30/2020 0:00	-0.685	-0.672
557266	10/31/2020 0:00	-0.681	-0.673
557267	11/1/2020 0:00	-0.684	-0.672
557268	11/2/2020 0:00	-0.674	-0.671
557269	11/3/2020 0:00	-0.67	-0.672
557270	11/4/2020 0:00	-0.684	-0.671
557271	11/5/2020 0:00	-0.679	-0.671
557272	11/6/2020 0:00	-0.667	-0.67
557273	11/7/2020 0:00	-0.656	-0.67
557274	11/8/2020 0:00	-0.642	-0.67
557275	11/9/2020 0:00	-0.653	-0.669
557276	11/10/2020 0:00	-0.665	-0.669
557277	11/11/2020 0:00	-0.66	-0.669
557278	11/12/2020 0:00	-0.668	-0.669
557279	11/13/2020 0:00	-0.661	-0.668
557280	11/14/2020 0:00	-0.654	-0.668
557281	11/15/2020 0:00	-0.689	-0.668
557282	11/16/2020 0:00	-0.654	-0.667
557283	11/17/2020 0:00	-0.664	-0.668
557284	11/18/2020 0:00	-0.702	-0.668
557285	11/19/2020 0:00	-0.649	-0.669
557286	11/20/2020 0:00	-0.667	-0.669
557287	11/21/2020 0:00	-0.671	-0.67
557288	11/22/2020 0:00	-0.674	-0.671
557289	11/23/2020 0:00	-0.67	-0.672
557290	11/24/2020 0:00	-0.655	-0.673
557291	11/25/2020 0:00	-0.676	-0.674
557292	11/26/2020 0:00	-0.665	-0.674
557293	11/27/2020 0:00	-0.667	-0.675
557294	11/28/2020 0:00	-0.663	-0.676
557295	11/29/2020 0:00	-0.669	-0.676
557296	11/30/2020 0:00	-0.663	-0.678
557297	12/1/2020 0:00	-0.667	-0.678
557298	12/2/2020 0:00	-0.699	-0.679
557299	12/3/2020 0:00	-0.683	-0.68
557300	12/4/2020 0:00	-0.69	-0.679
557301	12/5/2020 0:00	-0.696	-0.679
557302	12/6/2020 0:00	-0.697	-0.68
557303	12/7/2020 0:00	-0.698	-0.68
557304	12/8/2020 0:00	-0.694	-0.68
557305	12/9/2020 0:00	-0.685	-0.68
557306	12/10/2020 0:00	-0.68	-0.681
557307	12/11/2020 0:00	-0.672	-0.68
557308	12/12/2020 0:00	-0.696	-0.68
557309	12/13/2020 0:00	-0.678	-0.681

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557310	12/14/2020 0:00	-0.683	-0.681
557311	12/15/2020 0:00	-0.687	-0.682
557312	12/16/2020 0:00	-0.69	-0.682
557313	12/17/2020 0:00	-0.696	-0.683
557314	12/18/2020 0:00	-0.684	-0.682
557315	12/19/2020 0:00	-0.679	-0.682
557316	12/20/2020 0:00	-0.666	-0.681
557317	12/21/2020 0:00	-0.676	-0.681
557318	12/22/2020 0:00	-0.673	-0.68
557319	12/23/2020 0:00	-0.683	-0.68
557320	12/24/2020 0:00	-0.685	-0.679
557321	12/25/2020 0:00	-0.66	-0.68
557322	12/26/2020 0:00	-0.659	-0.68
557323	12/27/2020 0:00	-0.668	-0.68
557324	12/28/2020 0:00	-0.691	-0.68
557325	12/29/2020 0:00	-0.673	-0.681
557326	12/30/2020 0:00	-0.682	-0.68
557327	12/31/2020 0:00	-0.668	-0.68
557328	1/1/2021 0:00	-0.689	-0.679
557329	1/2/2021 0:00	-0.678	-0.678
557330	1/3/2021 0:00	-0.674	-0.678
557331	1/4/2021 0:00	-0.676	-0.677
557332	1/5/2021 0:00	-0.683	-0.678
557333	1/6/2021 0:00	-0.673	-0.677
557334	1/7/2021 0:00	-0.692	-0.677
557335	1/8/2021 0:00	-0.684	-0.677
557336	1/9/2021 0:00	-0.689	-0.676
557337	1/10/2021 0:00	-0.698	-0.677
557338	1/11/2021 0:00	-0.681	-0.677
557339	1/12/2021 0:00	-0.69	-0.678
557340	1/13/2021 0:00	-0.693	-0.678
557341	1/14/2021 0:00	-0.666	-0.679
557342	1/15/2021 0:00	-0.671	-0.679
557343	1/16/2021 0:00	-0.675	-0.68
557344	1/17/2021 0:00	-0.664	-0.681
557345	1/18/2021 0:00	-0.682	-0.682
557346	1/19/2021 0:00	-0.656	-0.682
557347	1/20/2021 0:00	-0.673	-0.683
557348	1/21/2021 0:00	-0.672	-0.683
557349	1/22/2021 0:00	-0.654	-0.684
557350	1/23/2021 0:00	-0.676	-0.684
557351	1/24/2021 0:00	-0.674	-0.684
557352	1/25/2021 0:00	-0.678	-0.684
557353	1/26/2021 0:00	-0.666	-0.684
557354	1/27/2021 0:00	-0.683	-0.684
557355	1/28/2021 0:00	-0.71	-0.684

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557356	1/29/2021 0:00	-0.698	-0.683
557357	1/30/2021 0:00	-0.687	-0.684
557358	1/31/2021 0:00	-0.692	-0.685
557359	2/1/2021 0:00	-0.709	-0.685
557360	2/2/2021 0:00	-0.711	-0.684
557361	2/3/2021 0:00	-0.7	-0.685
557362	2/4/2021 0:00	-0.691	-0.687
557363	2/5/2021 0:00	-0.698	-0.688
557364	2/6/2021 0:00	-0.685	-0.688
557365	2/7/2021 0:00	-0.69	-0.689
557366	2/8/2021 0:00	-0.68	-0.69
557367	2/9/2021 0:00	-0.692	-0.691
557368	2/10/2021 0:00	-0.696	-0.692
557369	2/11/2021 0:00	-0.693	-0.693
557370	2/12/2021 0:00	-0.676	-0.692
557371	2/13/2021 0:00	-0.666	-0.691
557372	2/14/2021 0:00	-0.71	-0.691
557373	2/15/2021 0:00	-0.691	-0.69
557374	2/16/2021 0:00	-0.667	-0.69
557375	2/17/2021 0:00	-0.66	-0.69
557376	2/18/2021 0:00	-0.708	-0.689
557377	2/19/2021 0:00	-0.713	-0.689
557378	2/20/2021 0:00	-0.698	-0.689
557379	2/21/2021 0:00	-0.685	-0.69
557380	2/22/2021 0:00	-0.685	-0.69
557381	2/23/2021 0:00	-0.701	-0.691
557382	2/24/2021 0:00	-0.712	-0.692
557383	2/25/2021 0:00	-0.701	-0.692
557384	2/26/2021 0:00	-0.684	-0.692
557385	2/27/2021 0:00	-0.664	-0.692
557386	2/28/2021 0:00	-0.666	-0.693
557387	3/1/2021 0:00	-0.696	-0.694
557388	3/2/2021 0:00	-0.68	-0.693
557389	3/3/2021 0:00	-0.69	-0.694
557390	3/4/2021 0:00	-0.692	-0.695
557391	3/5/2021 0:00	-0.698	-0.696
557392	3/6/2021 0:00	-0.684	-0.696
557393	3/7/2021 0:00	-0.701	-0.696
557394	3/8/2021 0:00	-0.717	-0.695
557395	3/9/2021 0:00	-0.706	-0.694
557396	3/10/2021 0:00	-0.699	-0.694
557397	3/11/2021 0:00	-0.714	-0.693
557398	3/12/2021 0:00	-0.69	-0.693
557399	3/13/2021 0:00	-0.709	-0.692
557400	3/14/2021 0:00	-0.703	-0.692
557401	3/15/2021 0:00	-0.696	-0.693

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557402	3/16/2021 0:00	-0.691	-0.694
557403	3/17/2021 0:00	-0.697	-0.694
557404	3/18/2021 0:00	-0.692	-0.695
557405	3/19/2021 0:00	-0.722	-0.694
557406	3/20/2021 0:00	-0.697	-0.695
557407	3/21/2021 0:00	-0.698	-0.694
557408	3/22/2021 0:00	-0.698	-0.694
557409	3/23/2021 0:00	-0.666	-0.693
557410	3/24/2021 0:00	-0.664	-0.692
557411	3/25/2021 0:00	-0.673	-0.691
557412	3/26/2021 0:00	-0.676	-0.691
557413	3/27/2021 0:00	-0.705	-0.69
557414	3/28/2021 0:00	-0.689	-0.689
557415	3/29/2021 0:00	-0.692	-0.688
557416	3/30/2021 0:00	-0.69	-0.687
557417	3/31/2021 0:00	-0.704	-0.687
557418	4/1/2021 0:00	-0.691	-0.686
557419	4/2/2021 0:00	-0.69	-0.686
557420	4/3/2021 0:00	-0.683	-0.685
557421	4/4/2021 0:00	-0.693	-0.684
557422	4/5/2021 0:00	-0.687	-0.683
557423	4/6/2021 0:00	-0.682	-0.682
557424	4/7/2021 0:00	-0.679	-0.681
557425	4/8/2021 0:00	-0.678	-0.681
557426	4/9/2021 0:00	-0.677	-0.682
557427	4/10/2021 0:00	-0.685	-0.681
557428	4/11/2021 0:00	-0.682	-0.681
557429	4/12/2021 0:00	-0.68	-0.68
557430	4/13/2021 0:00	-0.676	-0.68
557431	4/14/2021 0:00	-0.675	-0.68
557432	4/15/2021 0:00	-0.676	-0.68
557433	4/16/2021 0:00	-0.675	-0.678
557434	4/17/2021 0:00	-0.686	-0.678
557435	4/18/2021 0:00	-0.678	-0.677
557436	4/19/2021 0:00	-0.671	-0.677
557437	4/20/2021 0:00	-0.678	-0.677
557438	4/21/2021 0:00	-0.665	-0.676
557439	4/22/2021 0:00	-0.673	-0.676
557440	4/23/2021 0:00	-0.664	-0.676
557441	4/24/2021 0:00	-0.675	-0.677
557442	4/25/2021 0:00	-0.658	-0.677
557443	4/26/2021 0:00	-0.665	-0.677
557444	4/27/2021 0:00	-0.675	-0.677
557445	4/28/2021 0:00	-0.683	-0.678
557446	4/29/2021 0:00	-0.695	-0.679
557447	4/30/2021 0:00	-0.684	-0.68

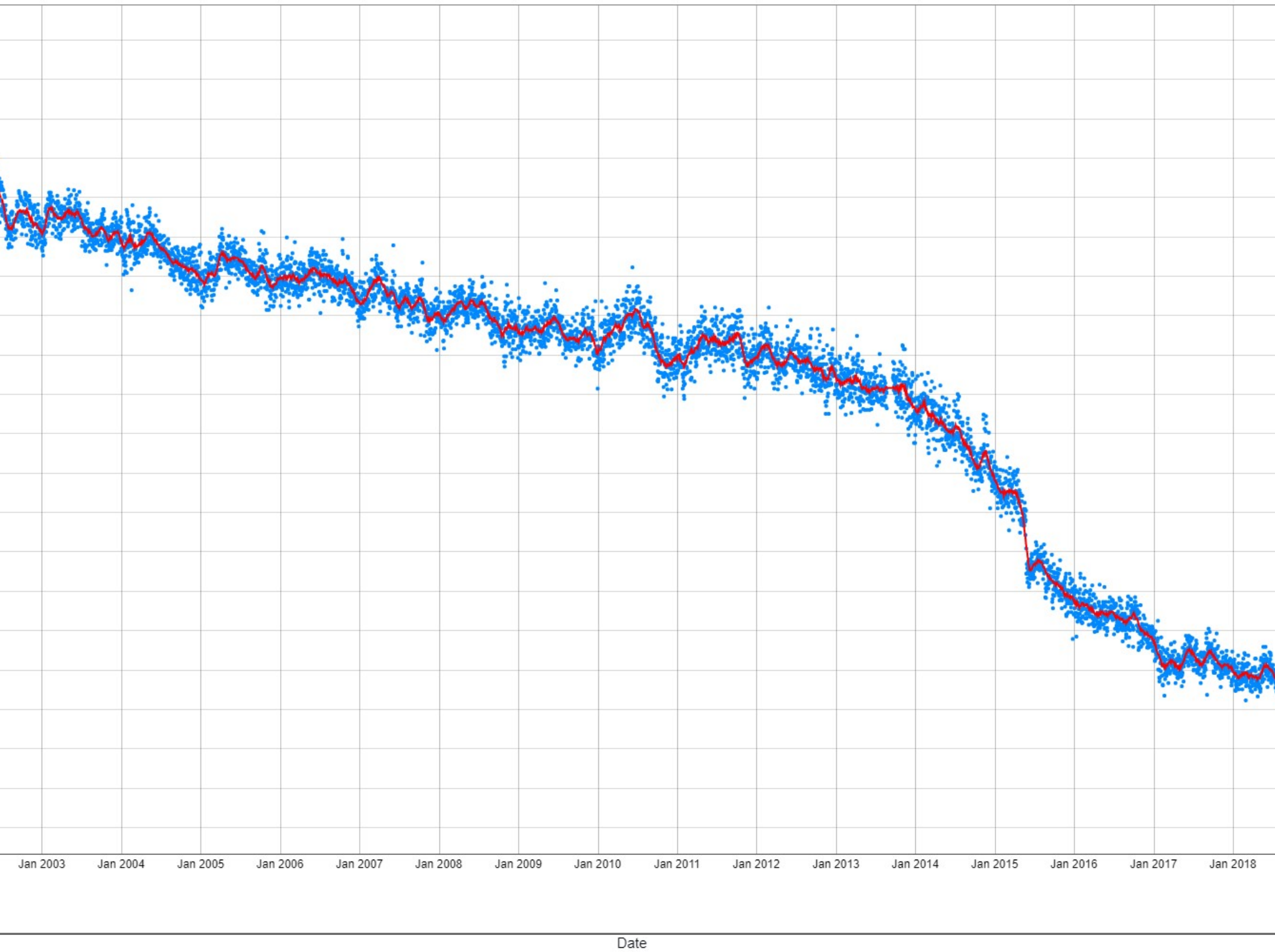
Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557448	5/1/2021 0:00	-0.67	-0.68
557449	5/2/2021 0:00	-0.667	-0.681
557450	5/3/2021 0:00	-0.679	-0.681
557451	5/4/2021 0:00	-0.683	-0.682
557452	5/5/2021 0:00	-0.673	-0.683
557453	5/6/2021 0:00	-0.681	-0.684
557454	5/7/2021 0:00	-0.678	-0.685
557455	5/8/2021 0:00	-0.685	-0.686
557456	5/9/2021 0:00	-0.689	-0.688
557457	5/10/2021 0:00	-0.682	-0.688
557458	5/11/2021 0:00	-0.689	-0.689
557459	5/12/2021 0:00	-0.683	-0.689
557460	5/13/2021 0:00	-0.697	-0.689
557461	5/14/2021 0:00	-0.708	-0.689
557462	5/15/2021 0:00	-0.707	-0.689
557463	5/16/2021 0:00	-0.678	-0.689
557464	5/17/2021 0:00	-0.696	-0.689
557465	5/18/2021 0:00	-0.717	-0.69
557466	5/19/2021 0:00	-0.692	-0.69
557467	5/20/2021 0:00	-0.709	-0.69
557468	5/21/2021 0:00	-0.692	-0.69
557469	5/22/2021 0:00	-0.712	-0.69
557470	5/23/2021 0:00	-0.707	-0.689
557471	5/24/2021 0:00	-0.707	-0.69
557472	5/25/2021 0:00	-0.68	-0.69
557473	5/26/2021 0:00	-0.687	-0.691
557474	5/27/2021 0:00	-0.683	-0.691
557475	5/28/2021 0:00	-0.675	-0.691
557476	5/29/2021 0:00	-0.685	-0.69
557477	5/30/2021 0:00	-0.671	-0.69
557478	5/31/2021 0:00	-0.69	-0.689
557479	6/1/2021 0:00	-0.685	-0.689
557480	6/2/2021 0:00	-0.681	-0.689
557481	6/3/2021 0:00	-0.691	-0.688
557482	6/4/2021 0:00	-0.677	-0.688
557483	6/5/2021 0:00	-0.668	-0.688
557484	6/6/2021 0:00	-0.677	-0.688
557485	6/7/2021 0:00	-0.668	-0.687
557486	6/8/2021 0:00	-0.703	-0.686
557487	6/9/2021 0:00	-0.706	-0.685
557488	6/10/2021 0:00	-0.687	-0.685
557489	6/11/2021 0:00	-0.691	-0.685
557490	6/12/2021 0:00	-0.68	-0.685
557491	6/13/2021 0:00	-0.689	-0.686
557492	6/14/2021 0:00	-0.684	-0.686
557493	6/15/2021 0:00	-0.702	-0.687

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557494	6/16/2021 0:00	-0.68	-0.687
557495	6/17/2021 0:00	-0.687	-0.687
557496	6/18/2021 0:00	-0.692	-0.688
557497	6/19/2021 0:00	-0.693	-0.688
557498	6/20/2021 0:00	-0.687	-0.689
557499	6/21/2021 0:00	-0.7	-0.69
557500	6/22/2021 0:00	-0.674	-0.69
557501	6/23/2021 0:00	-0.685	-0.692
557502	6/24/2021 0:00	-0.684	-0.691
557503	6/25/2021 0:00	-0.67	-0.691
557504	6/26/2021 0:00	-0.691	-0.691
557505	6/27/2021 0:00	-0.692	-0.691
557506	6/28/2021 0:00	-0.693	-0.692
557507	6/29/2021 0:00	-0.694	-0.692
557508	6/30/2021 0:00	-0.697	-0.692
557509	7/1/2021 0:00	-0.689	-0.692
557510	7/2/2021 0:00	-0.686	-0.694
557511	7/3/2021 0:00	-0.709	-0.695
557512	7/4/2021 0:00	-0.699	-0.696
557513	7/5/2021 0:00	-0.695	-0.697
557514	7/6/2021 0:00	-0.711	-0.698
557515	7/7/2021 0:00	-0.688	-0.699
557516	7/8/2021 0:00	-0.7	-0.7
557517	7/9/2021 0:00	-0.69	-0.7
557518	7/10/2021 0:00	-0.705	-0.701
557519	7/11/2021 0:00	-0.687	-0.703
557520	7/12/2021 0:00	-0.697	-0.703
557521	7/13/2021 0:00	-0.698	-0.704
557522	7/14/2021 0:00	-0.699	-0.705
557523	7/15/2021 0:00	-0.692	-0.706
557524	7/16/2021 0:00	-0.702	-0.707
557525	7/17/2021 0:00	-0.734	-0.708
557526	7/18/2021 0:00	-0.703	-0.709
557527	7/19/2021 0:00	-0.732	-0.71
557528	7/20/2021 0:00	-0.719	-0.71
557529	7/21/2021 0:00	-0.726	-0.711
557530	7/22/2021 0:00	-0.715	-0.71
557531	7/23/2021 0:00	-0.721	-0.711
557532	7/24/2021 0:00	-0.695	-0.711
557533	7/25/2021 0:00	-0.712	-0.712
557534	7/26/2021 0:00	-0.717	-0.712
557535	7/27/2021 0:00	-0.695	-0.713
557536	7/28/2021 0:00	-0.719	-0.714
557537	7/29/2021 0:00	-0.728	-0.714
557538	7/30/2021 0:00	-0.72	-0.716
557539	7/31/2021 0:00	-0.724	-0.717

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557540	8/1/2021 0:00	-0.734	-0.718
557541	8/2/2021 0:00	-0.726	-0.717
557542	8/3/2021 0:00	-0.726	-0.717
557543	8/4/2021 0:00	-0.711	-0.716
557544	8/5/2021 0:00	-0.708	-0.716
557545	8/6/2021 0:00	-0.701	-0.715
557546	8/7/2021 0:00	-0.712	-0.714
557547	8/8/2021 0:00	-0.701	-0.714
557548	8/9/2021 0:00	-0.722	-0.715
557549	8/10/2021 0:00	-0.708	-0.715
557550	8/11/2021 0:00	-0.708	-0.715
557551	8/12/2021 0:00	-0.714	-0.716
557552	8/13/2021 0:00	-0.722	-0.716
557553	8/14/2021 0:00	-0.744	-0.715
557554	8/15/2021 0:00	-0.72	-0.715
557555	8/16/2021 0:00	-0.726	-0.714
557556	8/17/2021 0:00	-0.707	-0.712
557557	8/18/2021 0:00	-0.717	-0.712
557558	8/19/2021 0:00	-0.702	-0.711
557559	8/20/2021 0:00	-0.717	-0.711
557560	8/21/2021 0:00	-0.696	-0.712
557561	8/22/2021 0:00	-0.69	-0.712
557562	8/23/2021 0:00	-0.708	-0.712
557563	8/24/2021 0:00	-0.727	-0.711
557564	8/25/2021 0:00	-0.723	-0.711
557565	8/26/2021 0:00	-0.718	-0.711
557566	8/27/2021 0:00	-0.725	-0.711
557567	8/28/2021 0:00	-0.7	-0.711
557568	8/29/2021 0:00	-0.719	-0.71
557569	8/30/2021 0:00	-0.704	-0.708
557570	8/31/2021 0:00	-0.697	-0.706
557571	9/1/2021 0:00	-0.686	-0.705
557572	9/2/2021 0:00	-0.713	-0.705
557573	9/3/2021 0:00	-0.694	-0.704
557574	9/4/2021 0:00	-0.714	-0.705
557575	9/5/2021 0:00	-0.731	-0.704
557576	9/6/2021 0:00	-0.713	-0.705
557577	9/7/2021 0:00	-0.699	-0.705
557578	9/8/2021 0:00	-0.69	-0.705
557579	9/9/2021 0:00	-0.713	-0.704
557580	9/10/2021 0:00	-0.706	-0.704
557581	9/11/2021 0:00	-0.702	-0.703
557582	9/12/2021 0:00	-0.703	-0.702
557583	9/13/2021 0:00	-0.695	-0.702
557584	9/14/2021 0:00	-0.684	-0.702
557585	9/15/2021 0:00	-0.681	-0.702

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
557586	9/16/2021 0:00	-0.693	-0.702
557587	9/17/2021 0:00	-0.702	-0.702
557588	9/18/2021 0:00	-0.69	null
557589	9/19/2021 0:00	-0.717	null
557590	9/20/2021 0:00	-0.703	null
557591	9/21/2021 0:00	-0.713	null
557592	9/22/2021 0:00	-0.703	null
557593	9/23/2021 0:00	-0.687	null
557594	9/24/2021 0:00	-0.718	null
557595	9/25/2021 0:00	-0.705	null
557596	9/26/2021 0:00	-0.689	null
557597	9/27/2021 0:00	-0.707	null
557598	9/28/2021 0:00	-0.705	null
557599	9/29/2021 0:00	-0.703	null
557600	9/30/2021 0:00	-0.701	null
557601	10/1/2021 0:00	-0.699	null
557602	10/2/2021 0:00	-0.697	null

GPS Vertical Displacement



APPENDIX H

Casmalia Stream Gage Data

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USGS Water-Year Summary 2018

11136100 SAN ANTONIO CREEK NEAR CASMALIA CA

LOCATION - Lat 34°46'56", long 120°31'45" referenced to North American Datum of 1927, Santa Barbara County, CA, Hydrologic Unit 18060009, on left bank, 10 feet downstream of San Antonio Road Bridge, 0.7 mi east of junction of San Antonio Road and Lompoc-Casmalia Road, and 3.8 mi south of Casmalia.

DRAINAGE AREA - 135 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD - October 1955 to September 1993, October 1994 to September 30, 2003, October 2014 to current year.

GAGE - Water-stage recorder and concrete control. Elevation of gage is 160 ft above NGVD of 1929, from topographic map. Prior to June 27, 1958, at datum 2.00 ft higher.

REMARKS - No regulation upstream from station. Flow affected by pumping from wells along stream for irrigation and beaver dam activity upstream from station. At times water is released to creek from Vandenberg Air Force Base Water-Treatment Plant.

EXTREMES FOR PERIOD OF RECORD - Maximum discharge, 4,680 ft³/s, Mar. 1, 1983, gage height, 14.32 ft, from rating curve extended above 1,100 ft³/s, on basis of slope-area measurement at gage height 12.93 ft; minimum daily, 0.04 ft³/s, Jan. 22, 2001.

U.S. Department of the Interior
U.S. Geological Survey

Suggested citation: U.S. Geological Survey, 2021, National Water Information System data available on the World Wide Web (USGS Water Data for the Nation), accessed [December 3, 2021], https://nwis.waterdata.usgs.gov/nwis/wys_rpt?dv_ts_ids=88581&adr_begin_date=2017-10-01&adr_end_date=2018-09-30&site_no=11136100&agency_cd=USGS

Water-Data Report 2018

11136100 SAN ANTONIO CREEK NEAR CASMALIA CA -- Continued

DISCHARGE, CUBIC FEET PER SECOND
YEAR 2017-10-01 to 2018-09-30
DAILY MEAN VALUES

[e, Value has been estimated.]

<u>Day</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>
	2017	2017	2017	2018	2018	2018	2018	2018	2018	2018	2018	2018
1	0.43	0.49	0.45	0.33	0.47	0.50	1.45	0.55	0.66	0.50	0.27	0.25
2	0.43	0.48	0.45	0.33	0.48	0.71	1.41	0.46	0.63	0.46	0.27	0.23
3	0.41	0.49	0.45	0.33	0.50	0.60	1.32	0.44	0.62	0.43	0.28	0.24
4	0.42	0.49	0.44	0.43	0.50	0.54	1.23	0.41	0.64	0.46	0.28	0.30
5	0.39	0.46	0.44	0.39	0.51	0.52	1.16	0.41	0.65	0.42	0.28	0.21
6	0.37	0.49	0.44	0.37	0.53	0.51	1.16	0.42	0.68	0.41	0.28	0.24
7	0.39	0.48	0.44	0.37	0.54	0.44	1.15	0.43	0.64	0.37	0.28	0.24
8	0.42	0.45	0.42	0.41	0.54	0.38	1.07	0.41	0.61	0.34	0.27	0.23
9	0.43	0.46	0.43	4.85	0.53	0.38	1.00	0.43	0.64	0.32	0.29	0.24
10	0.42	0.47	0.43	4.01	0.54	0.44	0.95	0.52	0.62	0.29	0.29	0.23
11	0.46	0.46	0.44	1.15	0.53	0.55	0.92	0.37	0.59	0.27	0.29	0.25
12	0.45	0.46	0.43	0.66	0.52	0.42	0.87	0.45	0.61	0.30	0.28	0.25
13	0.42	0.46	0.43	0.53	0.52	0.49	0.81	0.46	0.70	0.31	0.29	0.22
14	0.42	0.46	0.43	0.49	0.52	0.50	0.76	0.49	0.70	0.36	0.30	0.21
15	0.41	0.46	0.43	0.45	0.51	0.47	0.74	0.49	0.69	0.31	0.31	0.25
16	0.41	0.45	0.43	0.44	0.51	0.46	0.73	0.52	0.68	0.34	0.28	0.24
17	0.42	0.47	0.40	0.43	0.51	0.50	0.71	0.56	0.64	0.34	0.28	0.25
18	0.51	0.45	0.41	0.45	0.52	0.45	0.71	0.56	0.62	0.25	0.28	0.24
19	0.45	0.46	0.41	0.42	0.52	0.47	0.75	0.54	0.63	0.27	0.27	0.24
20	0.50	0.47	0.41	0.42	0.50	0.47	0.68	0.55	0.59	0.30	0.29	0.23
21	0.46	0.45	0.39	0.42	0.52	4.77	0.69	0.55	0.62	0.24	0.29	0.26
22	0.44	0.44	0.40	0.42	0.51	48.1	0.68	0.62	0.59	0.22	0.29	0.27
23	0.41	0.44	0.39	0.43	0.52	28.9	0.68	0.61	0.53	0.23	0.27	0.27
24	0.42	0.45	0.39	0.44	0.48	7.94	0.65	0.64	0.53	0.22	0.29	0.28
25	0.41	0.44	0.38	0.46	0.47	4.54	0.63	0.71	0.55	0.21	0.29	0.28
26	0.39	0.44	0.37	0.42	0.50	2.89	0.61	0.76	0.51	0.20	0.27	0.28
27	0.41	0.45	0.35	0.44	0.54	2.24	0.60	0.69	0.49	0.22	0.28	0.27
28	0.47	0.44	0.32	0.44	0.50	1.92	0.59	0.65	0.46	0.23	0.26	0.30
29	0.52	0.46	0.32	0.46		1.75	0.59	0.68	0.47	0.22	0.27	0.31
30	0.53	0.45	0.32	0.46		1.64	0.59	0.68	0.42	e0.29	0.25	0.31
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

Total	13.5	13.8	12.6	22.1	14.3	116	25.9	16.8	18.0	9.62	8.68	7.62
Mean	.44	.46	.41	.71	.51	3.74	.86	.54	.60	.31	.28	.25
Max	0.53	0.49	0.45	4.85	0.54	48.1	1.45	0.76	0.70	0.50	0.31	0.31
Min	0.37	0.44	0.32	0.33	0.47	0.38	0.59	0.37	0.42	0.20	0.25	0.21
Ac-ft	26.8	27.4	24.9	43.9	28.4	230	51.4	33.2	35.7	19.1	17.2	15.1

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2018, BY WATER YEAR
(WY)**

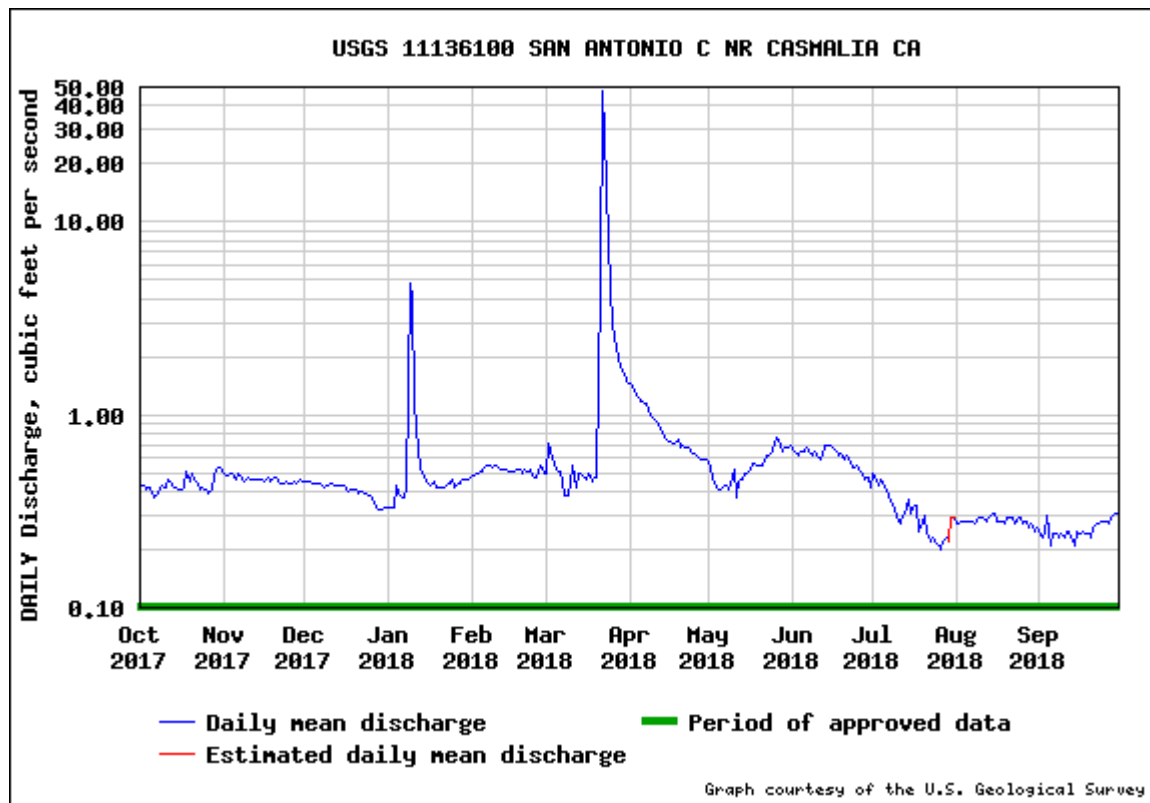
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.01	1.55	2.63	10.4	26.7	20.0	6.55	1.35	.89	.65	.66	.74
Max	12.9	6.73	10.6	104	273	234	149	3.85	2.07	1.59	1.84	3.09
(WY)	(2001)	(1973)	(1956)	(1995)	(1998)	(1983)	(1958)	(1983)	(1983)	(1983)	(1981)	(2000)
Min	.19	.19	.29	.41	.46	.28	.30	.24	.17	.16	.16	.16
(WY)	(1990)	(1990)	(1990)	(1991)	(2015)	(2015)	(1990)	(1990)	(1990)	(2015)	(2015)	(1990)

Water-Data Report 2018

11136100 SAN ANTONIO CREEK NEAR CASMALIA CA -- Continued

SUMMARY STATISTICS

	Water Year 2018		Water Years 1956 - 2018	
Annual total	278.9			
Annual mean	0.764		6.07	
Highest annual mean			39.7	1983
Lowest annual mean			0.467	1990
Highest daily mean	48.1	Mar 22	2,040	Mar 02, 1983
Lowest daily mean	0.200	Jul 26	0.040	Jan 22, 2001
Annual 7-day minimum	0.219	Jul 22	0.084	Oct 23, 2001
Maximum peak flow	102	Mar 22	4,680	Mar 01, 1983
Maximum peak stage	3.17	Mar 22	14.32	Mar 01, 1983
Annual runoff (cfsm)	0.006		0.044	
Annual runoff (inches)	0.077		0.601	
10 percent exceeds	0.704		4.50	
50 percent exceeds	0.450		0.950	
90 percent exceeds	0.270		0.350	





USGS Water-Year Summary 2019

11136100 SAN ANTONIO CREEK NEAR CASMALIA CA

LOCATION - Lat 34°46'56", long 120°31'45" referenced to North American Datum of 1927, Santa Barbara County, CA, Hydrologic Unit 18060009, on left bank, 10 feet downstream of San Antonio Road Bridge, 0.7 mi east of junction of San Antonio Road and Lompoc-Casmalia Road, and 3.8 mi south of Casmalia.

DRAINAGE AREA - 135 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD - October 1955 to September 1993, October 1994 to September 30, 2003, October 2014 to current year.

GAGE - Water-stage recorder and concrete control. Elevation of gage is 160 ft above NGVD of 1929, from topographic map. Prior to June 27, 1958, at datum 2.00 ft higher.

REMARKS - No regulation upstream from station. Flow affected by pumping from wells along stream for irrigation and beaver dam activity upstream from station. At times water is released to creek from Vandenberg Air Force Base Water-Treatment Plant.

EXTREMES FOR PERIOD OF RECORD - Maximum discharge, 4,680 ft³/s, Mar. 1, 1983, gage height, 14.32 ft, from rating curve extended above 1,100 ft³/s, on basis of slope-area measurement at gage height 12.93 ft; minimum daily, 0.04 ft³/s, Jan. 22, 2001.

U.S. Department of the Interior
U.S. Geological Survey

Suggested citation: U.S. Geological Survey, 2021, National Water Information System data available on the World Wide Web (USGS Water Data for the Nation), accessed [December 3, 2021], https://nwis.waterdata.usgs.gov/nwis/wys_rpt?dv_ts_ids=88581&adr_begin_date=2018-10-01&adr_end_date=2019-09-30&site_no=11136100&agency_cd=USGS

Water-Data Report 2019
 11136100 SAN ANTONIO CREEK NEAR CASMALIA CA -- Continued

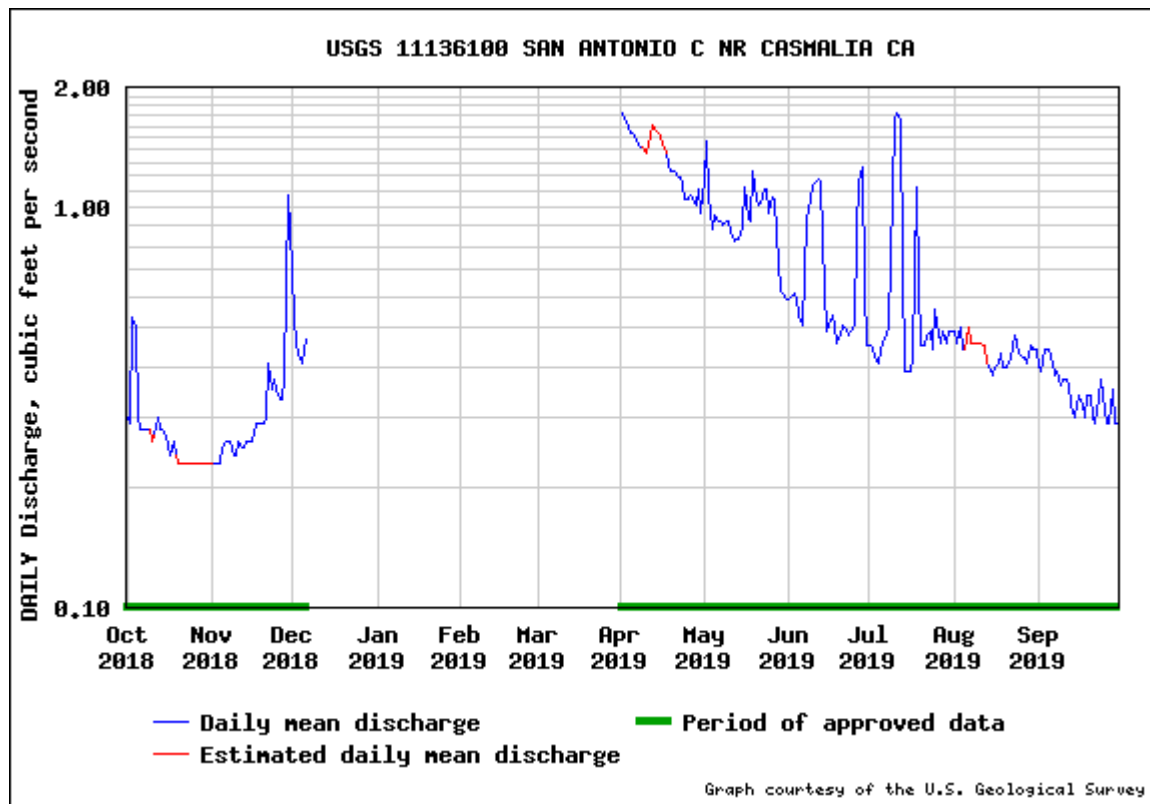
DISCHARGE, CUBIC FEET PER SECOND
YEAR 2018-10-01 to 2019-09-30
DAILY MEAN VALUES

[e, Value has been estimated.]

<u>Day</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>
	<u>2018</u>	<u>2018</u>	<u>2018</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>
1	0.30	0.23	0.53	---	---	---	1.72	1.16	0.59	0.45	0.49	0.40
2	0.29	0.23	0.46	---	---	---	1.67	1.46	0.60	0.44	0.46	0.39
3	0.53	0.23	0.43	---	---	---	1.60	1.08	0.61	0.42	0.50	0.44
4	0.50	0.23	0.41	---	---	---	1.54	0.88	0.59	0.41	0.44	0.44
5	0.30	0.25	0.44	---	---	---	1.53	0.96	0.54	0.44	0.44	0.44
6	0.28	0.26	0.47	---	---	---	1.48	0.93	0.51	0.46	e0.50	0.41
7	0.28	0.26	---	---	---	---	1.43	0.92	0.68	0.48	e0.46	0.38
8	0.28	0.26	---	---	---	---	1.42	0.90	0.94	0.51	e0.46	0.39
9	0.28	0.24	---	---	---	---	e1.39	0.93	1.05	1.09	e0.46	0.36
10	e0.26	0.24	---	---	---	---	e1.37	0.92	1.14	1.64	e0.46	0.37
11	0.27	0.26	---	---	---	---	1.52	0.87	1.15	1.73	e0.46	0.37
12	0.30	0.25	---	---	---	---	e1.61	0.82	1.18	1.64	e0.45	0.36
13	0.28	0.25	---	---	---	---	e1.57	0.83	1.15	0.72	0.41	0.32
14	0.28	0.26	---	---	---	---	e1.53	0.83	0.62	0.39	0.40	0.30
15	0.27	0.26	---	---	---	---	e1.50	0.89	0.49	0.39	0.38	0.32
16	0.25	0.26	---	---	---	---	e1.45	1.12	0.51	0.39	0.40	0.34
17	0.24	0.29	---	---	---	---	1.37	0.94	0.54	0.42	0.41	0.32
18	0.26	0.29	---	---	---	---	1.28	0.93	0.50	1.12	0.43	0.30
19	0.24	0.29	---	---	---	---	1.24	1.24	0.46	0.64	0.40	0.34
20	e0.23	0.29	---	---	---	---	1.24	1.05	0.48	0.45	0.40	0.34
21	e0.23	0.30	---	---	---	---	1.20	1.02	0.51	0.45	0.41	0.30
22	e0.23	0.41	---	---	---	---	1.19	1.03	0.50	0.48	0.42	0.29
23	e0.23	0.35	---	---	---	---	1.14	1.11	0.48	0.49	0.48	0.33
24	e0.23	0.37	---	---	---	---	1.05	1.11	0.49	0.44	0.46	0.37
25	e0.23	0.35	---	---	---	---	1.05	0.97	0.51	0.56	0.43	0.31
26	e0.23	0.33	---	---	---	---	1.07	1.06	0.87	0.48	0.42	0.29
27	e0.23	0.33	---	---	---	---	1.05	1.05	1.16	0.46	0.42	0.29
28	e0.23	0.37	---	---	---	---	1.01	0.85	1.27	0.49	0.41	0.35
29	e0.23	1.08	---	---	---	---	1.11	0.62	0.63	0.46	0.45	0.29
30	e0.23	0.88	---	---	---	---	0.97	0.61	0.45	0.49	0.44	0.29

Day Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

Total	8.45	9.90	40.3	29.7	21.2	19.5	13.6	10.4
Mean	.27	.33	1.34	.96	.71	.63	.44	.35
Max	0.53	1.08	1.72	1.46	1.27	1.73	0.50	0.44
Min	0.23	0.23	0.97	0.59	0.45	0.39	0.38	0.29
Ac-ft	16.8	19.6	79.9	58.9	42.0	38.7	27.0	20.7





USGS Water-Year Summary 2020

11136100 SAN ANTONIO CREEK NEAR CASMALIA CA

LOCATION - Lat 34°46'56", long 120°31'45" referenced to North American Datum of 1927, Santa Barbara County, CA, Hydrologic Unit 18060009, on left bank, 10 feet downstream of San Antonio Road Bridge, 0.7 mi east of junction of San Antonio Road and Lompoc-Casmalia Road, and 3.8 mi south of Casmalia.

DRAINAGE AREA - 135 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD - October 1955 to September 1993, October 1994 to September 30, 2003, October 2014 to current year.

GAGE - Water-stage recorder and concrete control. Elevation of gage is 160 ft above NGVD of 1929, from topographic map. Prior to June 27, 1958, at datum 2.00 ft higher.

REMARKS - No regulation upstream from station. Flow affected by pumping from wells along stream for irrigation and beaver dam activity upstream from station. At times water is released to creek from Vandenberg Air Force Base Water-Treatment Plant.

EXTREMES FOR PERIOD OF RECORD - Maximum discharge, 4,680 ft³/s, Mar. 1, 1983, gage height, 14.32 ft, from rating curve extended above 1,100 ft³/s, on basis of slope-area measurement at gage height 12.93 ft; minimum daily, 0.04 ft³/s, Jan. 22, 2001.

U.S. Department of the Interior
U.S. Geological Survey

Suggested citation: U.S. Geological Survey, 2021, National Water Information System data available on the World Wide Web (USGS Water Data for the Nation), accessed [December 3, 2021], https://nwis.waterdata.usgs.gov/nwis/wys_rpt?dv_ts_ids=88581&adr_begin_date=2019-10-01&adr_end_date=2020-09-30&site_no=11136100&agency_cd=USGS

Water-Data Report 2020
 11136100 SAN ANTONIO CREEK NEAR CASMALIA CA -- Continued

DISCHARGE, CUBIC FEET PER SECOND
YEAR 2019-10-01 to 2020-09-30
DAILY MEAN VALUES

[e, Value has been estimated.]

<u>Day</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>
	<u>2019</u>	<u>2019</u>	<u>2019</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>	<u>2020</u>
1	0.29	0.25	0.64	0.43	0.45	0.46	0.56	0.66	0.45	0.44	0.53	e0.29
2	0.27	0.25	0.40	0.37	0.50	0.58	0.54	0.62	0.46	0.44	0.51	0.31
3	0.31	0.24	0.38	0.35	0.49	0.56	0.51	0.58	0.45	0.44	0.51	e0.31
4	0.34	0.23	0.61	0.35	0.53	0.54	0.51	0.54	0.47	0.46	0.50	0.30
5	0.34	0.26	0.49	0.35	0.55	0.56	0.86	0.50	0.48	0.45	e0.54	0.31
6	0.32	0.40	0.42	0.34	0.56	0.50	15.9	0.50	0.49	0.49	0.52	0.31
7	0.32	0.81	0.39	0.34	0.58	0.56	5.96	0.48	0.46	0.47	0.57	0.29
8	0.34	1.73	0.54	0.35	0.56	0.60	3.73	0.50	0.48	0.44	0.54	0.32
9	0.39	1.87	0.51	0.42	0.59	0.52	4.74	0.52	0.50	0.45	0.58	0.34
10	0.38	0.90	0.40	0.43	0.57	0.67	5.50	0.51	0.50	0.44	0.57	0.35
11	0.44	0.73	0.39	0.40	0.59	0.90	2.43	0.50	0.49	0.44	0.51	0.34
12	0.50	2.18	0.39	0.37	0.58	0.75	1.87	0.47	0.46	0.44	0.44	0.34
13	0.36	2.48	0.40	0.36	0.52	0.62	1.64	0.45	0.41	0.45	0.37	0.33
14	0.51	2.27	0.41	0.38	0.53	0.55	1.57	0.46	0.43	e0.43	0.35	0.33
15	1.14	1.00	0.41	0.39	0.57	0.53	1.42	0.45	0.44	0.43	0.32	0.33
16	0.56	0.54	0.41	0.47	0.58	3.20	1.12	0.45	0.46	0.47	0.34	0.34
17	0.30	0.38	0.40	0.69	0.57	6.57	1.01	0.44	0.47	0.48	0.34	0.33
18	0.20	0.33	0.43	0.47	0.58	2.17	0.96	0.48	0.47	0.46	0.32	0.32
19	0.20	0.32	0.44	0.43	0.52	1.31	0.97	0.43	0.50	0.46	e0.34	0.31
20	0.21	0.39	0.46	0.45	0.55	1.01	0.98	0.44	0.51	0.47	e0.26	0.31
21	0.19	0.36	0.45	0.45	0.52	0.84	0.92	0.44	0.51	e0.47	0.30	0.31
22	0.19	0.34	1.07	0.37	0.51	0.84	0.89	0.44	0.52	e0.47	0.30	0.32
23	0.19	0.32	0.73	0.37	0.50	4.92	0.81	0.45	0.53	0.50	0.30	0.31
24	0.21	0.30	0.41	0.36	0.53	2.14	0.81	0.43	0.49	0.51	0.32	0.31
25	0.20	0.33	0.45	0.34	0.53	1.30	0.85	0.43	0.48	0.49	0.32	0.30
26	0.20	0.31	1.87	0.34	0.48	1.06	0.83	0.42	0.44	0.50	0.31	0.30
27	0.23	0.71	1.41	0.38	0.46	0.80	0.81	0.44	0.44	e0.49	0.32	0.32
28	0.23	0.62	0.50	0.41	0.50	0.67	0.75	0.46	0.45	e0.47	0.31	0.32
29	0.22	0.50	0.44	0.45	0.48	0.63	0.68	0.44	0.47	0.52	0.31	0.32
30	0.23	0.45	0.46	0.45		0.59	0.66	0.43	0.43	0.55	0.32	0.31
Day	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>

Total	10.1	21.8	17.3	12.5	15.5	37.5	60.8	14.8	14.1	14.6	12.4	9.53
Mean	.32	.73	.56	.40	.53	1.21	2.03	.48	.47	.47	.40	.32
Max	1.14	2.48	1.87	0.69	0.59	6.57	15.9	0.66	0.53	0.55	0.58	0.35
Min	0.19	0.23	0.38	0.34	0.45	0.46	0.51	0.42	0.41	0.43	0.26	0.29
Ac-ft	19.9	43.2	34.4	24.8	30.7	74.4	121	29.4	28.0	28.9	24.6	18.9

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2020, BY WATER YEAR
(WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	.98	1.52	2.59	10.2	26.2	19.6	6.37	1.33	.88	.65	.65	.72
Max	12.9	6.73	10.6	104	273	234	149	3.85	2.07	1.59	1.84	3.09
(WY)	(2001)	(1973)	(1956)	(1995)	(1998)	(1983)	(1958)	(1983)	(1983)	(1983)	(1981)	(2000)
Min	.19	.19	.29	.40	.46	.28	.30	.24	.17	.16	.16	.16
(WY)	(1990)	(1990)	(1990)	(2020)	(2015)	(2015)	(1990)	(1990)	(1990)	(2015)	(2015)	(1990)

Water-Data Report 2020

11136100 SAN ANTONIO CREEK NEAR CASMALIA CA -- Continued

SUMMARY STATISTICS

	Water Year 2020		Water Years 1956 - 2020	
Annual total	240.9			
Annual mean	0.658		5.97	
Highest annual mean			39.7	1983
Lowest annual mean			0.467	1990
Highest daily mean	15.9	Apr 06	2,040	Mar 02, 1983
Lowest daily mean	0.190	Oct 21	0.040	Jan 22, 2001
Annual 7-day minimum	0.199	Oct 18	0.084	Oct 23, 2001
Maximum peak flow	42.5	Apr 06	4,680	Mar 01, 1983
Maximum peak stage	2.32	Apr 06	14.32	Mar 01, 1983
Annual runoff (cfsm)	0.005		0.043	
Annual runoff (inches)	0.066		0.583	
10 percent exceeds	0.900		4.40	
50 percent exceeds	0.460		0.920	
90 percent exceeds	0.310		0.340	

