



# San Antonio Creek Valley Groundwater Basin Groundwater Sustainability Plan 2022 Annual Report

March 16, 2023

Prepared for:  
San Antonio Basin  
Groundwater Sustainability Agency

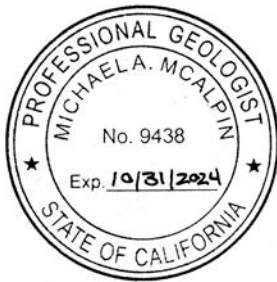
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# San Antonio Creek Valley Groundwater Basin Groundwater Sustainability Plan 2022 Annual Report

This report was prepared by the staff of GSI Water Solutions, Inc., under the supervision of the 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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- Appendix F Land Subsidence Data
- Appendix G Casmalia Stream Gage Data



## Abbreviations and Acronyms

AF	acre-feet
AF/acre	acre-feet per acre
AFY	acre-feet per year
amsl	above mean sea level
ASCE	American Society of Civil Engineers
Basin Plan	<i>Water Quality Control Plan for the Central Coastal Basin (RWQCB, 2019)</i>
Basin	San Antonio Creek Valley Groundwater Basin
BMP	best management practice
cfs	cubic feet per second
CGPS	Continuous Global Positioning System
CNRA	California Natural Resource Agency
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
ET	evapotranspiration
ft	foot or feet
ft/ft	feet per foot
GAMA	Groundwater Ambient Monitoring and Assessment
GAMA-GIS	Groundwater Ambient Monitoring and Assessment Groundwater Information System
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
LACSD	Los Alamos Community Services District
MCL	maximum contaminant level
OSWCR	Online System for Well Completion Reports
RMS	representative monitoring site
RPE	reference point elevation
RWQCB	Central Coast Regional Water Quality Control Board

SABGSA	San Antonio Basin Groundwater Sustainability Agency
SABWD	San Antonio Basin Water District
SGM	Sustainable Groundwater Management
SGMA	Sustainable Groundwater Management Act
Slough	Barka Slough
SMCL	secondary maximum contaminant level
SWP	State Water Project
SWRCB	State Water Resources Control Board
SYRWD	Santa Ynez River Valley Water District
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 2022 Annual Report for the San Antonio Creek Valley Groundwater Basin (Basin; see Figure ES-1) has been prepared in accordance with 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. Because the reporting period for the Basin GSP included water years 1981 through 2018, the first GSP Annual Report for the Basin documented and updated data from October 1, 2018 through September 30, 2021.<sup>1</sup> This 2022 Annual Report conveys monitoring and water use data for water year 2022, which is from October 1, 2021 through September 30, 2022.<sup>2</sup> The purpose of reporting on an annual basis is to gauge performance of the Basin relative to the sustainability goals set forth in the GSP.

This Annual Report includes the following sections:

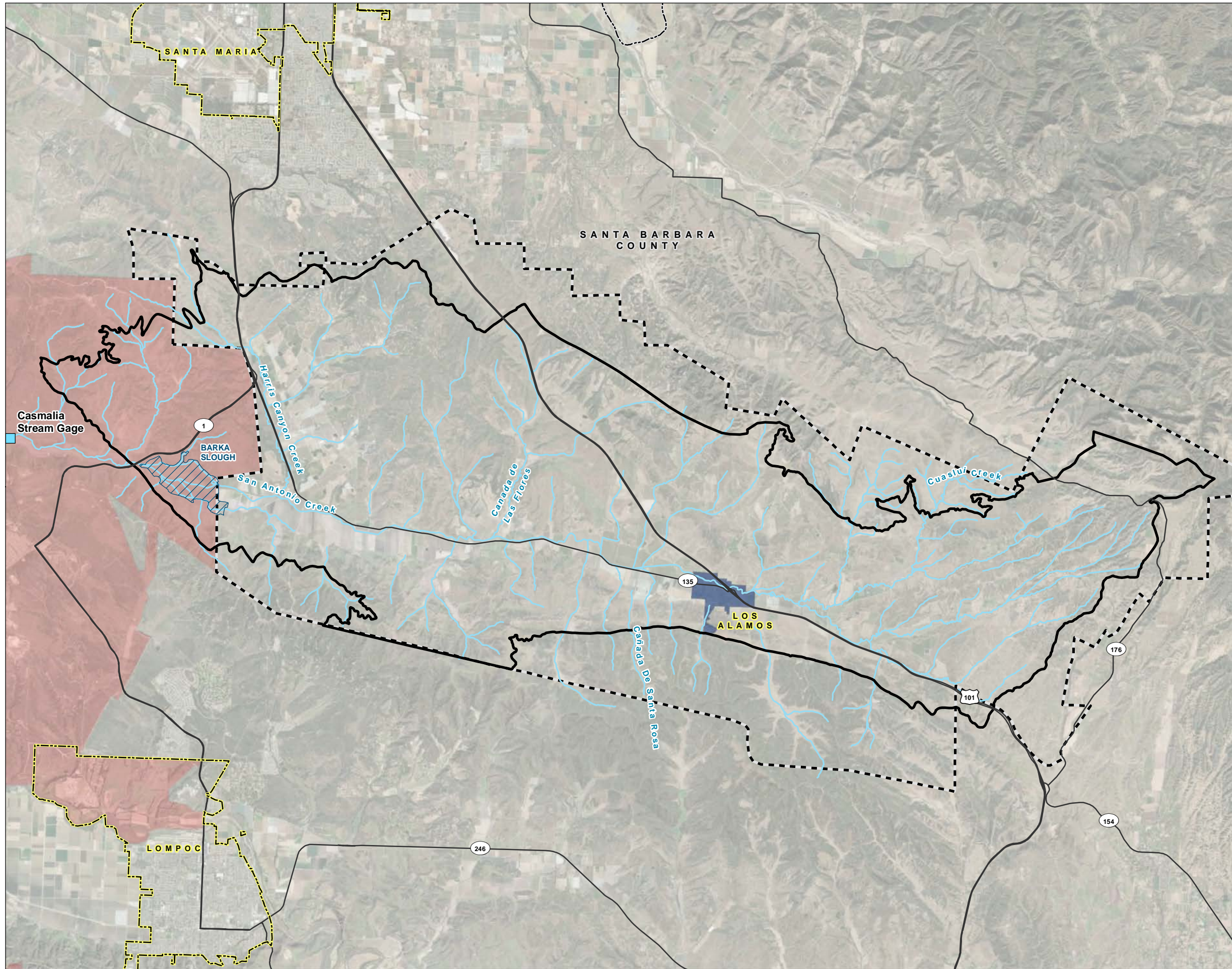
- **Section 1: Introduction.** A brief background of the formation and activities of the San Antonio Basin Groundwater Sustainability Agency (SABGSA) and development and submittal of the GSP and first Annual Report (water years 2019 through 2021).
- **Section 2: Basin Setting and Monitoring Networks.** 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.**

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<sup>1</sup> A water year begins October 1 and ends September 30 of the reporting year (e.g., water year 2022 includes October 1, 2021 through September 30, 2022).

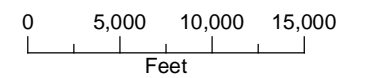
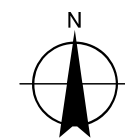
<sup>2</sup> The required time frame of the Annual Reports, pursuant to the SGMA regulations, is by water year, which is October 1 through September 30 of any water year. However, because of the variability of monitoring schedules for each groundwater monitoring program, in some instances, fall groundwater levels for a particular water year may have been collected after the beginning of the subsequent water year.

**FIGURE ES-1**  
**San Antonio Creek Valley**  
**Groundwater Basin Plan Area**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

-  Stream Gage
-  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: March 14, 2023  
 Data Sources: USGS (2020a), ESRI,  
 DWR (2018), Maxar imagery (2020)



## ES-2 Groundwater Elevations

Groundwater elevation trends observed at representative monitoring sites (RMSs) in the Basin during water year 2022 were generally decreasing or remained relatively stable compared to historical groundwater elevations. Water year types for 2019 and 2020 were both “above normal” while water year 2021 was “dry,” and water year 2022 was “below normal.” Although 2 of the 4 water years included above normal precipitation, groundwater elevations in some of the RMSs are continuing to trend downward. It is important to note that there is often a delay between recharge events and groundwater level response. Additionally, groundwater pumping exceeding the Basin sustainable yield continued through water year 2022. Seasonal trends of slightly higher spring groundwater elevations compared with fall levels continued in water year 2022.

## ES-3 Groundwater Extractions

The total groundwater extractions in the Basin for water year 2022 were 22,200 acre-feet. Table ES-1 summarizes the groundwater extractions by water use sector for water years 2018 through 2022.

**Table ES-1. Total Groundwater Extractions by Water Use Sector**

Water Year	LACSD (AF)	VSFB (AF)	Rural Domestic (AF)	Agricultural (AF)	Total (AF)
2018 <sup>1</sup>	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
2022	270	2,600	170	19,200 <sup>2</sup>	22,200
Method of Measure	Metered	Metered	Aerial Photo Survey	Satellite Based Land Use Survey and ET Calculations	—
Level of Accuracy	High	High	Medium/Low	Medium/High	—

### Notes

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

<sup>2</sup> The identified “Method of Measure” and “Level of Accuracy” for “Agricultural” total groundwater extractions pertain to water year 2022 only.

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

— = not applicable

AF = acre-feet

ET = evapotranspiration

LACSD = Los Alamos Community Services District

VSFB = Vandenberg Space 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

Annual changes in groundwater elevation in the Paso Robles Formation and Careaga Sand for water year 2022 were derived from comparison of fall groundwater elevation contour maps from water year 2021 to water year 2022. Specifically, the fall 2022 groundwater elevations for the Paso Robles Formation (see Figure 10) were subtracted from the fall 2021 groundwater elevations for the Paso Robles Formation resulting in a map depicting the changes in groundwater elevations in the Paso Robles Formation that occurred during the 2022 water year (see Figure ES-2). 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. 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 2022 (see Figure ES-2), a below normal precipitation year, shows that groundwater levels declined by 0 to 10 feet (ft) between Los Alamos, the Slough, and Harris Canyon. Groundwater elevations in Harris Canyon and east-southeast of the Slough, increased by 0 to 10 ft.

The Careaga Sand change in groundwater elevation map for water year 2022 (see Figure ES-3), a below normal precipitation year, shows that groundwater levels declined by 0 to 10 ft from north of Los Alamos to the Slough. Groundwater elevations in the northern Slough area to California State Highway 1 and in the central uplands, at the northern extent of Cañada de Las Flores, indicate a decrease of up to 30 ft.

Table ES-2 presents the annual changes of groundwater in storage calculated for water years 2015 through 2022.

**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 <sup>1</sup> (AF)
2015	—	—	-26,400
2016	—	—	-23,600
2017	—	—	-2,900
2018	—	—	-23,700
2019	-15,400	-370	-15,800
2020	-18,800	-410	-19,200
2021	-20,500	-540	-21,000
2022	-14,900	-200	-15,100
Cumulative Change in Groundwater in Storage	-69,600	-1,520	-147,700

**Notes**

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

Grey shading indicates a water year included in the historical water budget. A total annual change in groundwater in storage was calculated for the Basin during development of the Basin GSP per SGMA regulations.

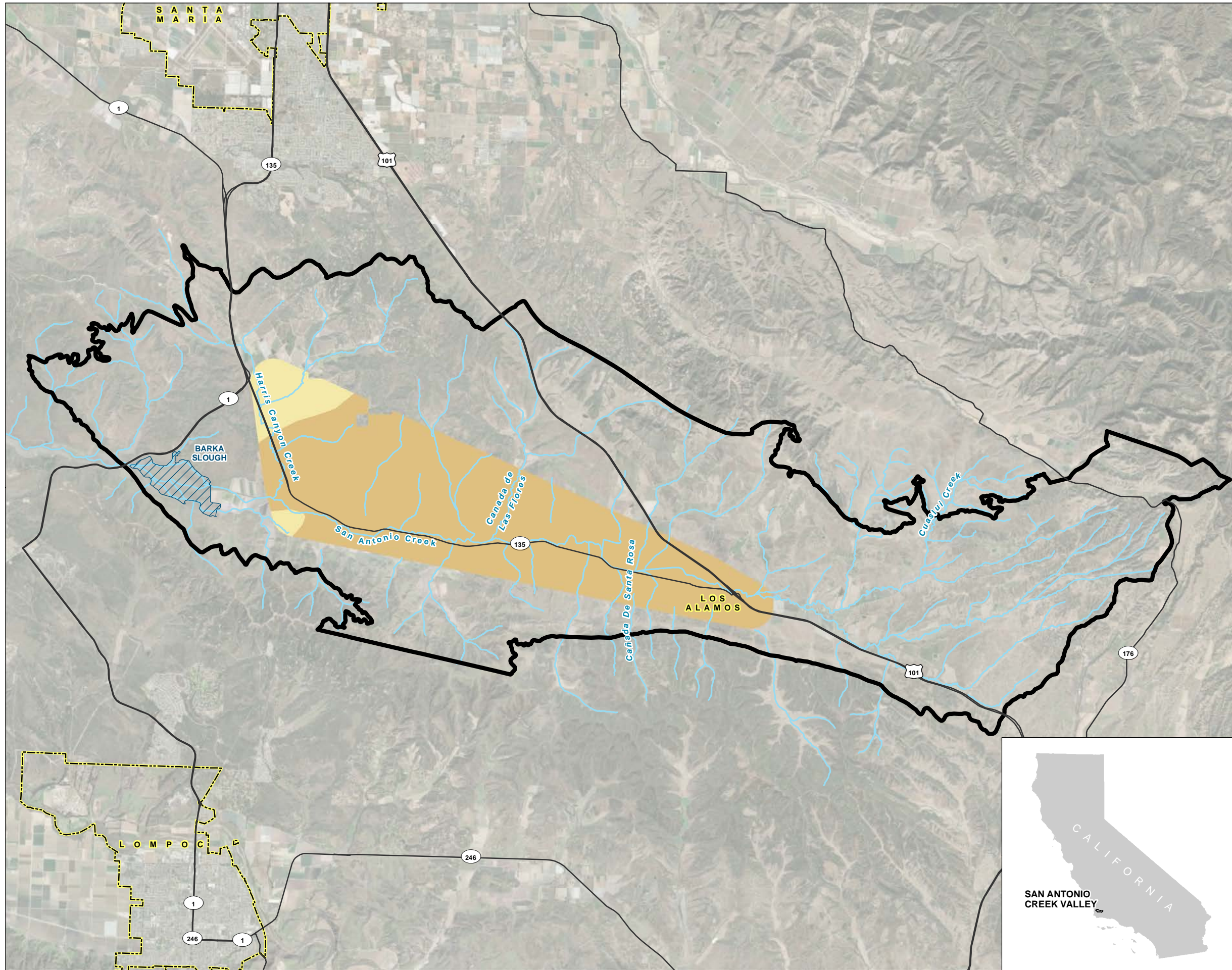
— = not calculated

AF = acre-feet

SGMA = Sustainable Groundwater Management Act

**FIGURE ES-2**

**Paso Robles Formation  
Annual Change in  
Groundwater Elevation  
Fall 2021 to Fall 2022**  
Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin



**LEGEND**

Change in Groundwater Elevation (feet NAVD88)<sup>1</sup>

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

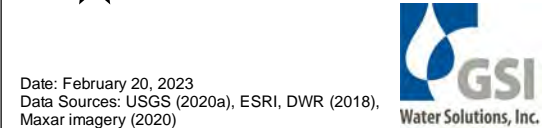
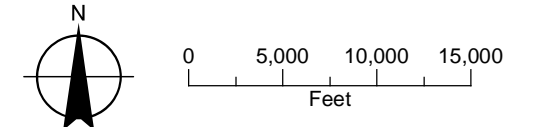
**All Other Features**

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin<sup>2</sup>
- 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

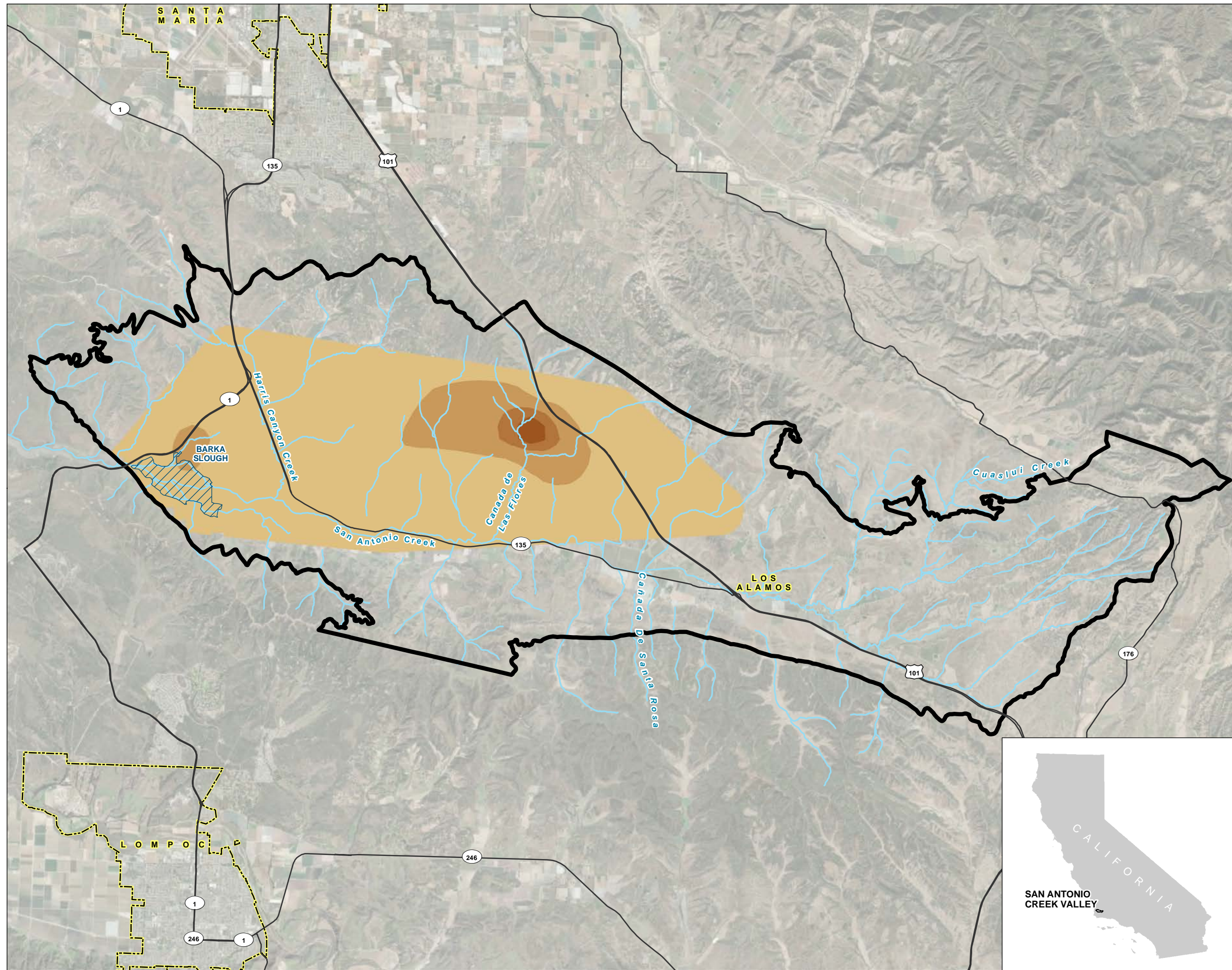


Date: February 20, 2023  
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



### FIGURE ES-3

**Careaga Sand  
Annual Change in  
Groundwater Elevation  
Fall 2021 to Fall 2022**  
Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin



#### LEGEND

Change in Groundwater Elevation (feet NAVD88)<sup>1</sup>

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

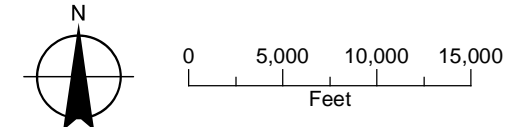
#### All Other Features

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin<sup>2</sup>
- 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: February 20, 2023  
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



## ES-6 Progress toward Meeting Basin Sustainability

**Tier 1 Management Actions.** Tier 1 management actions are described in the Basin 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
  - 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

The SABGSA member agencies committed to 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.

**Well Registration and Well Meter Installation/Extraction Measurement Program.** The SABGSA has begun to develop a Well Registration and Well Meter Installation/Extraction Measurement Program. In February 2022, the SABGSA formed an Ad Hoc Committee—comprised of two members of the SABGSA Board of Directors, two members of the SABGSA Advisory Committee, 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. The program is being developed and implemented in two phases: (1) Well Registration and (2) Well Meter Installation/Extraction Measurement.

**Well Verification Policy.** On July 19, 2022, the SABGSA adopted its Well Verification Policy established by Resolution No. 22-001. The SABGSA Well Verification Policy was designed to implement the new written verification requirements in Governor Newsom’s Executive Order N-7-22 and the Santa Barbara County Board of Supervisors Urgency Ordinance No. 5158 (County Urgency Ordinance) within the Basin. The SABGSA determined through Resolution No. 22-001 that it cannot issue a Well Verification for a New Well or Alteration of an Existing Well because the Basin GSP documents that the Basin is experiencing chronic lowering of groundwater levels and a reduction in groundwater in storage such that New Wells or Alteration of an Existing Wells would be inconsistent with the Basin GSP.

Following a public hearing on August 16, 2022, the SABGSA Board adopted Resolution No. 22-002 establishing a Well Verification Request Fee and the supporting scope of work required for SABGSA to process Well Verification Requests and issue Well Verifications consistent with the SABGSA’s Well Verification Policy (Resolution No. 22-001). To date, the SABGSA has not received any requests for Well Verification.

**Sustainable Groundwater Management Grant Program.** In December 2022, SABGSA applied for grant funding through DWR's SGMA Round 2 Grant Program. The grant application requested funding to facilitate implementation of the following components:

- Monitoring, Maintenance, and Expansion of the Basin Monitoring Networks
- Survey and Investigate Potential GDEs in the Basin
- Water Use Efficiency Programs and LACSD Wellfield Pumping Coordination
- Groundwater Pumping Fee Program
- Aquifer Recharge Feasibility Study
- Annual GSP Reporting
- Grant Administration
- Groundwater Base Pumping Allocation Program

**Groundwater Quality.** 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. No minimum thresholds have been established for contaminants because state regulatory agencies, including the Central Coast Regional Water Quality Control Board (RWQCB) and the Department of Toxic Substances Control, have the responsibility and authority to regulate and direct actions that address contamination (see Section 4.8 of GSI and GEI, 2021). The water quality objectives (WQOs) for salt and nutrients are the minimum thresholds for TDS, chloride, sulfate, boron, sodium, and nitrate as measured by State Water Resources Control Board (SWRCB) Irrigated Lands Regulatory Program (ILRP) and Division of Drinking Water (DDW) programs in 20 percent of wells monitored. In cases where the ambient (prior to January 2015) water quality exceeds the WQO, the minimum threshold concentration is 110 percent of the ambient water quality in 20 percent of the wells.

Water quality data for water year 2022 was obtained through the SWRCB Groundwater Ambient Monitoring and Assessment Groundwater Information System (GAMA-GSI).<sup>3</sup> Average concentrations, by well and constituent of concern (COC), were further categorized as pre-SGMA enactment (2015), post-SGMA (2015 to last measured), and water year 2022. Based on the GAMA-GSI, sulfate and total dissolved solids (TDS) were the only two COCs with average concentrations that exceeded the respective WQO or secondary maximum contaminant level (SMCL) during water year 2022. Average sulfate concentrations exceeded the WQO (150 milligrams per liter) in a total of four wells (two municipal wells, one domestic well, and one irrigation supply well). Average TDS concentrations exceeded the WQO (600 milligrams per liter) and SMCL (1,000 milligrams per liter) in 15 and 2 wells (2 irrigation supply wells), respectively. No COCs were detected at concentrations exceeding the respective maximum contaminant level (MCL) during water year 2022.

Based on data from the SWRCB ILRP, average nitrate concentrations were reported at concentrations exceeding the respective MCL (10 milligrams per liter) in two domestic supply wells since enactment of SGMA. Average concentrations of chloride (in 1 well), sulfate (in 1 wells), and TDS (in 7 wells) exceeding their respective SMCLs were reported in wells included in both the SWRCB Division of Drinking Water (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 31 wells), and TDS (in 39 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 exceeding their respective water quality regulatory standard of sodium,

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<sup>3</sup> The GAMA Groundwater Information System is available at <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>. (Accessed January 26, 2023.)

sulfate, and TDS increased. Similarly, the maximum reported average concentration for COCs increased for sulfate and TDS during the post-SGMA period compared to the pre-SGMA period. The GAMA-GSI did not indicate any di(2-ethylhexyl)phthalate (DEHP) groundwater analytical data for the post-SGMA period.

**Land Subsidence.** Based on data available from the University NAVSTAR Consortium (UNAVCO) Continuous Global Positioning System (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 year 2022 (see Appendix F for UNAVCO CGPS Station ORES displacement data). According to the DWR InSAR annual raster data for water year 2022, total land subsidence that occurred in the Basin ranged from -0.1 to +0.1 ft.<sup>4</sup> See Figure 8 for total land subsidence in the Basin according to DWR InSAR total raster data (period of record available for the methodology is June 2015 through to October 2022) and the location of the UNAVCO CGPS Station ORES. The accuracy range of the InSAR measured subsidence is 0.1 ft (Montgomery & Associates, 2020).

**Interconnected Surface Water.** 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 (USGS Monitoring Location 11136100; see Figure ES-1). 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 year 2022 was 0.00 cfs (recorded September 12, 2022).<sup>5</sup> Summaries of stream flow measurements collected from the Casmalia stream gage for water year 2022 are included in Appendix G.

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<sup>4</sup> DWR provided InSAR and UNAVCO CGPS subsidence data is available at <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub>. (Accessed January 2, 2023.)

<sup>5</sup> As of this reporting, available stream flow data at the Casmalia stream gage for May 10, 2022 through September 30, 2022 is categorized as provisional by the USGS. Casmalia stream gage data is available at <https://waterdata.usgs.gov/monitoring-location/11136100/#parameterCode=00065&period=P7D>. (Accessed January 2, 2023.)

## SECTION 1: Introduction

The 2022 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. Because the reporting period for the Basin GSP included water years 1981 through 2018, the first GSP Annual Report for the Basin, documented and updated data from October 1, 2018 through September 30, 2021.<sup>6</sup> This Annual Report conveys monitoring and water use data for water year 2022 (October 1, 2021 through September 30, 2022).<sup>7</sup>

### 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 subsequent Annual Reports, 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 in the Basin is approximately 15.18 inches (County of Santa Barbara Public Works Department, n.d.). 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. 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 and first Annual Report (water years 2019 through 2021).
- **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.

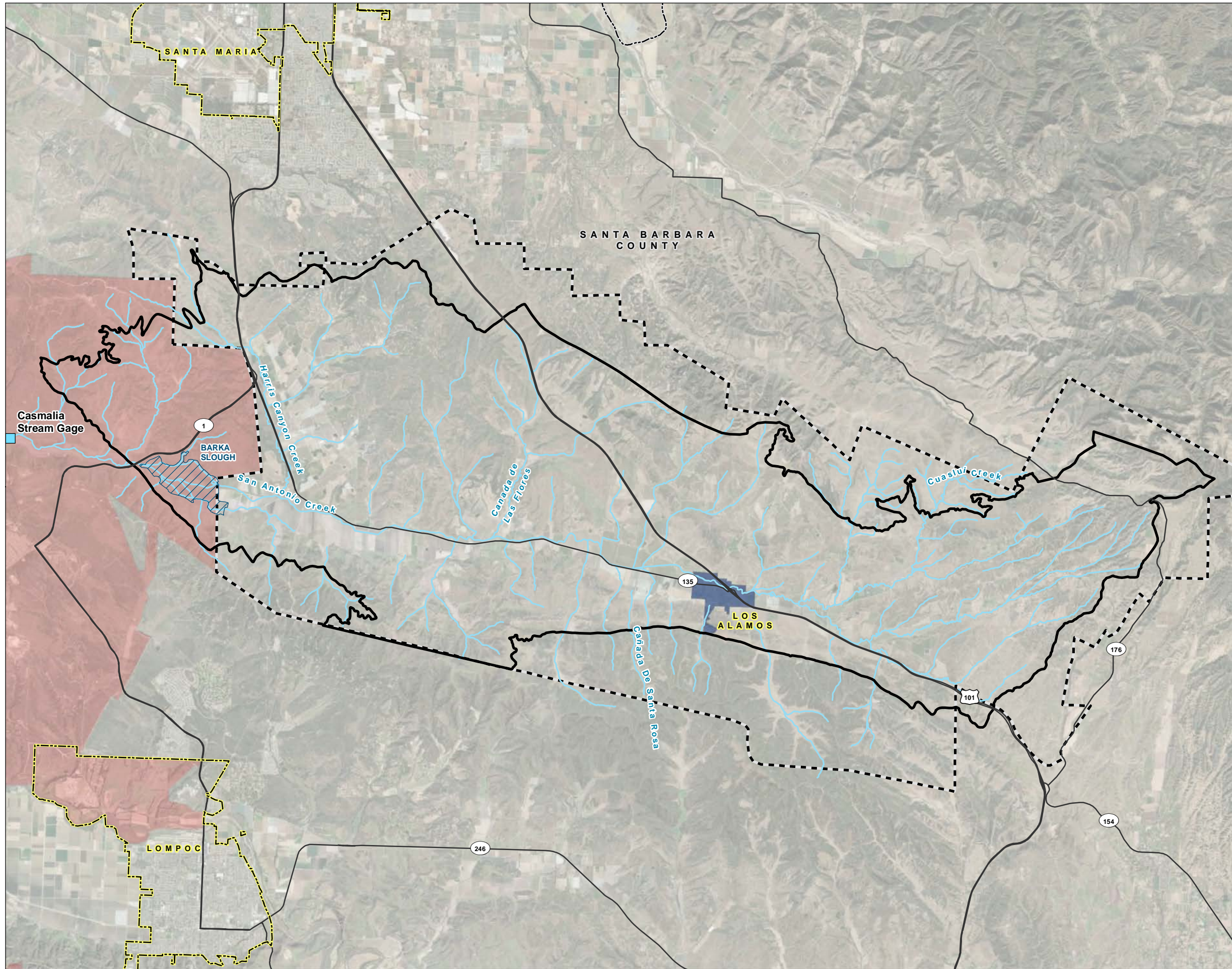
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<sup>6</sup> A water year begins October 1 and ends September 30 of the reporting year (e.g., water year 2022 includes October 1, 2021 through September 30, 2022).

<sup>7</sup> The required time frame 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.

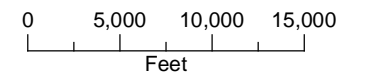
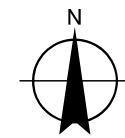
- **Section 4: Groundwater Extractions (§ 356.2[b][2][b][4]).** Compilation of metered and estimated groundwater extractions by land use sector and approximate locations of extraction.
- **Section 5: Surface Water Use (§ 356.2[b][3]).** No surface water use occurs in the Basin and therefore Section § 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  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

- Stream Gage
  - 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: March 14, 2023  
 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 year 2022. Much of the information in this Annual Report was taken from the GSP prepared by GSI and GEI (2021) and the first GSP Annual Report (GSI, 2022).

### 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. 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.

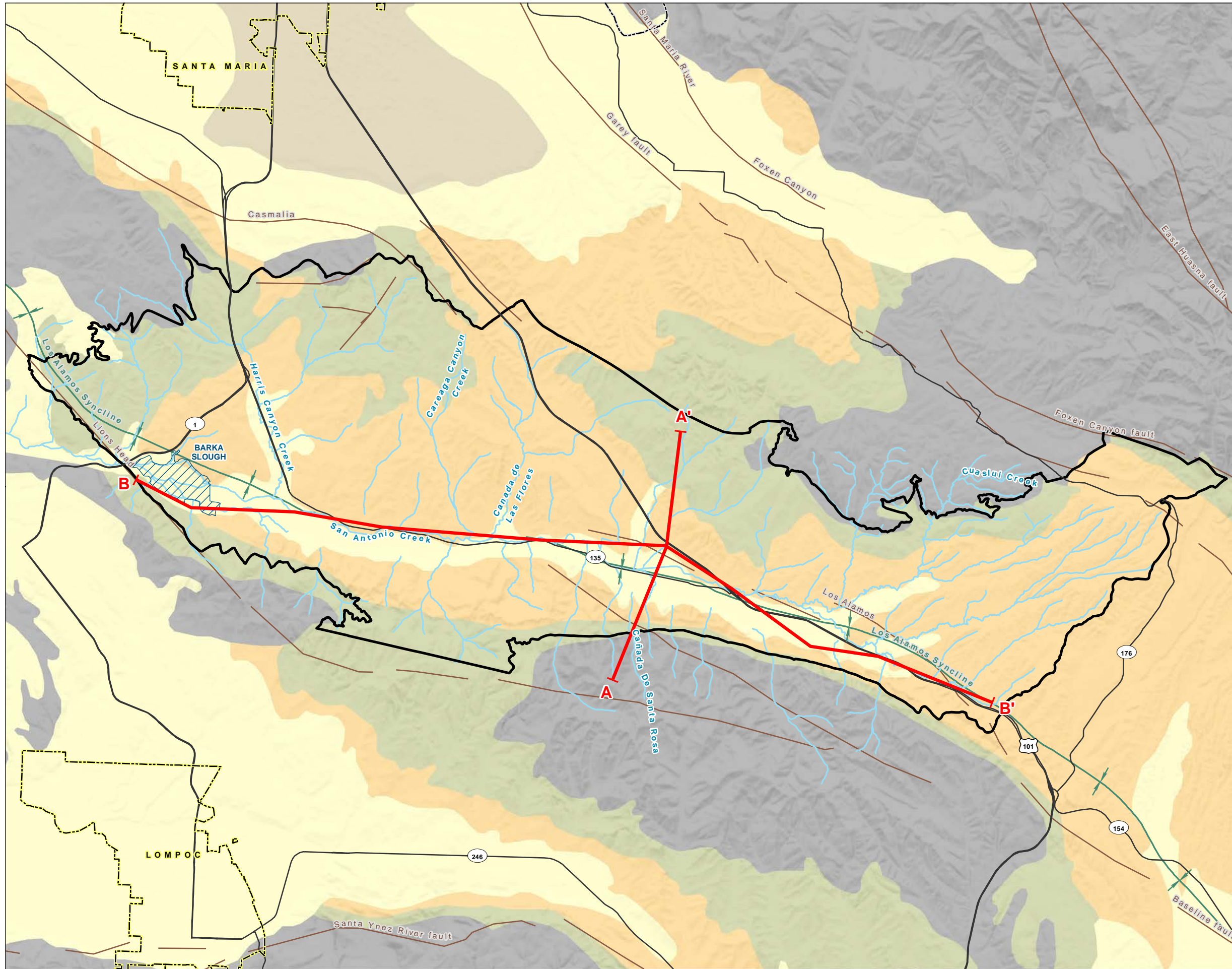
Figure 1 shows the lateral boundaries of the Basin as defined by DWR in Bulletin 118. The bottom of the Basin is generally defined as the base of the Pliocene-age Careaga Sand. The Basin bottom is considered a barrier to flow because the geologic units underlying the Careaga Sand are considered impermeable 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  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



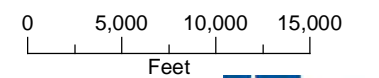
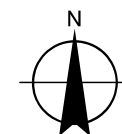
**LEGEND**

- 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**

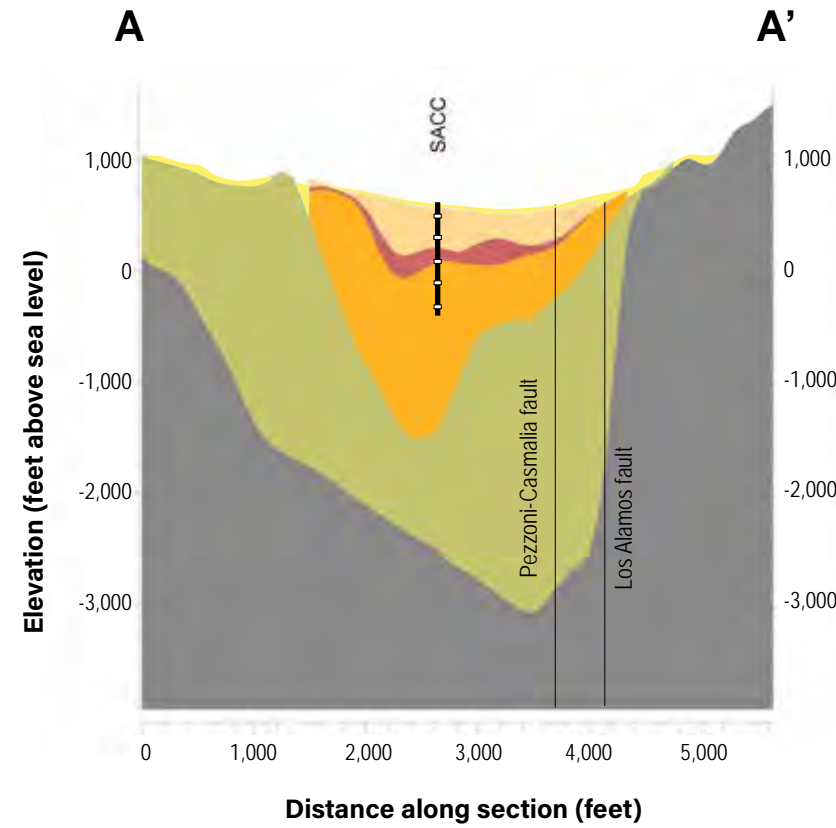
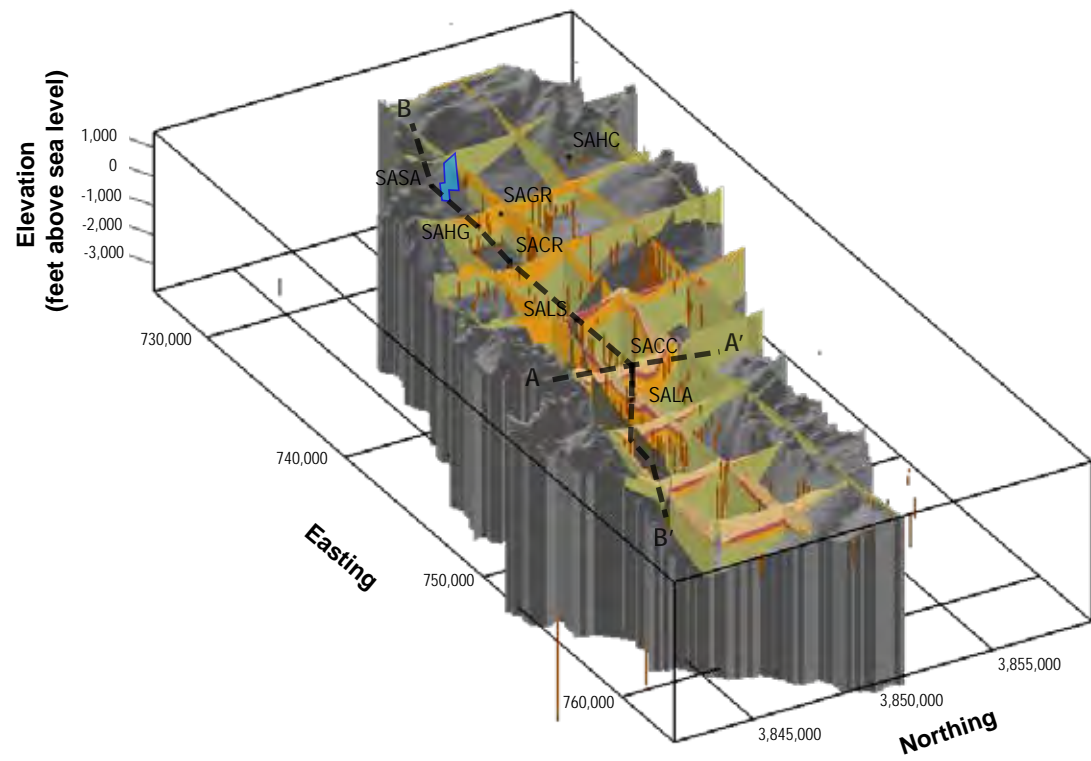
1. San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.
2. Geologic cross sections shown on Figure 3.



Date: February 20, 2023  
 Data Sources: USGS (2020b), ESRI, DWR (2018), Diblee & Ehrenspeck (1989, 1993a, 1993b, 1994)



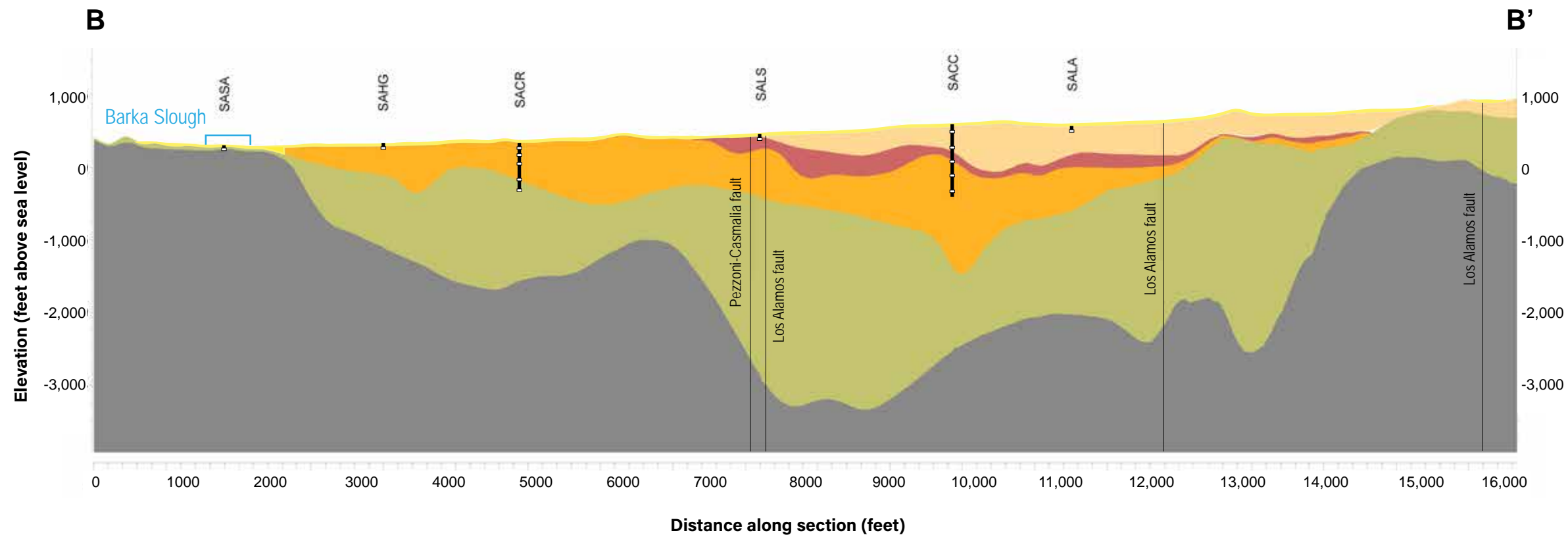
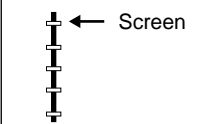
**FIGURE 3**  
**Geologic Cross Sections,**  
**San Antonio Creek Valley**  
**Groundwater Basin**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

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

**WELL LEGEND**

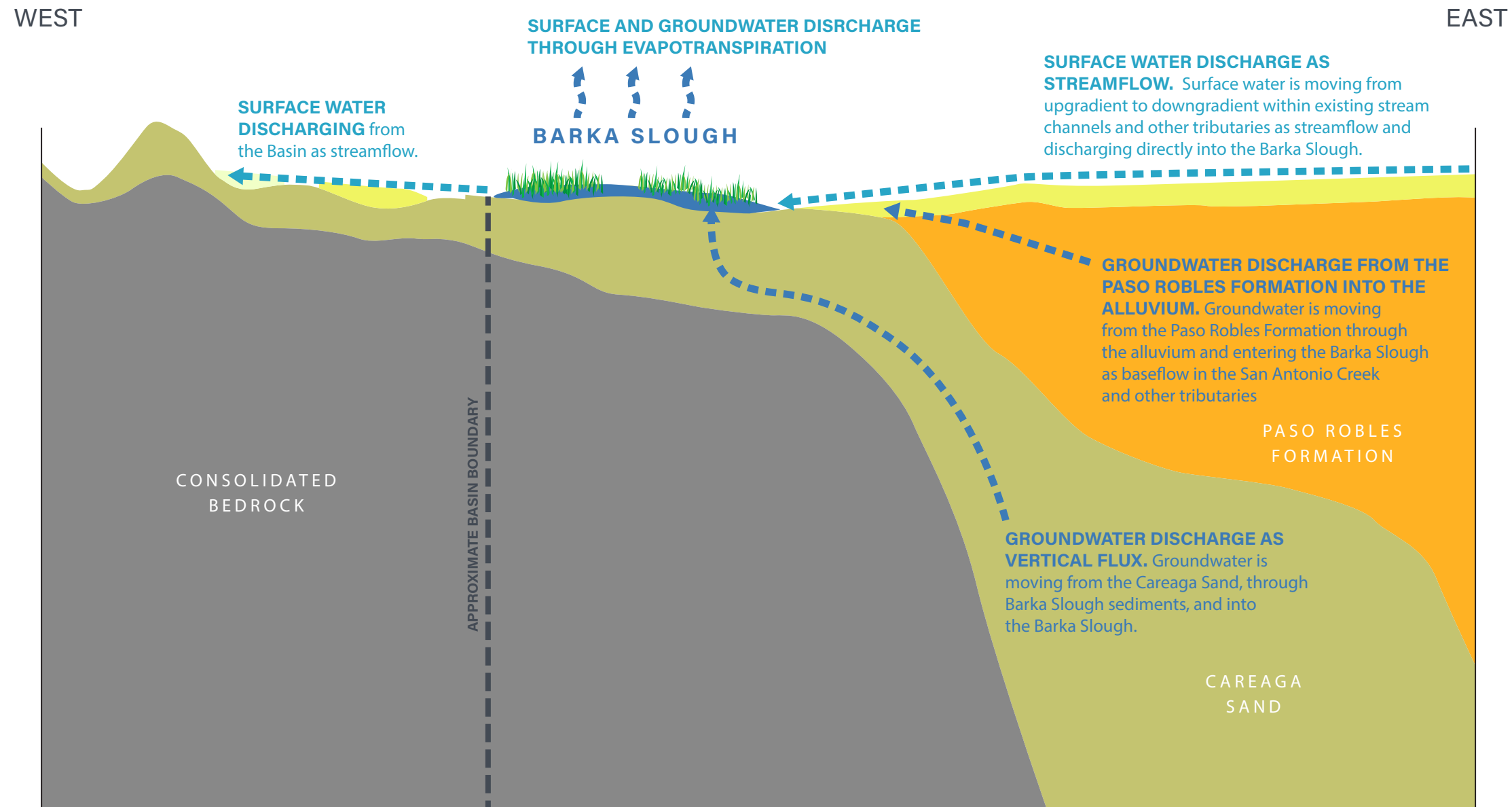


**NOTE**

Geologic cross section locations shown on Figure 2.  
 Date: February 1, 2023  
 Data Sources: USGS (2020b)



**FIGURE 4**  
**Conceptualized Surface Water and Groundwater Discharge into Barka Slough**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

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

**NOTE**

View looking north  
 Date: February 1, 2023  
 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. Artesian conditions within the Basin 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; Cromwell et al., 2022).

As shown on Figure 3, the U.S. Geological Survey (USGS) divided the Paso Robles Formation into three members (unofficial geologic units) during development of the San Antonio Creek integrated model and associated hydrogeologic characterization of the San Antonio Creek Valley Watershed (Cromwell et al., 2022) based on differences in lithologic and hydraulic properties. The middle member of the Paso Robles Formation was identified as a confining layer inhibiting vertical flow of groundwater in the Paso Robles Formation

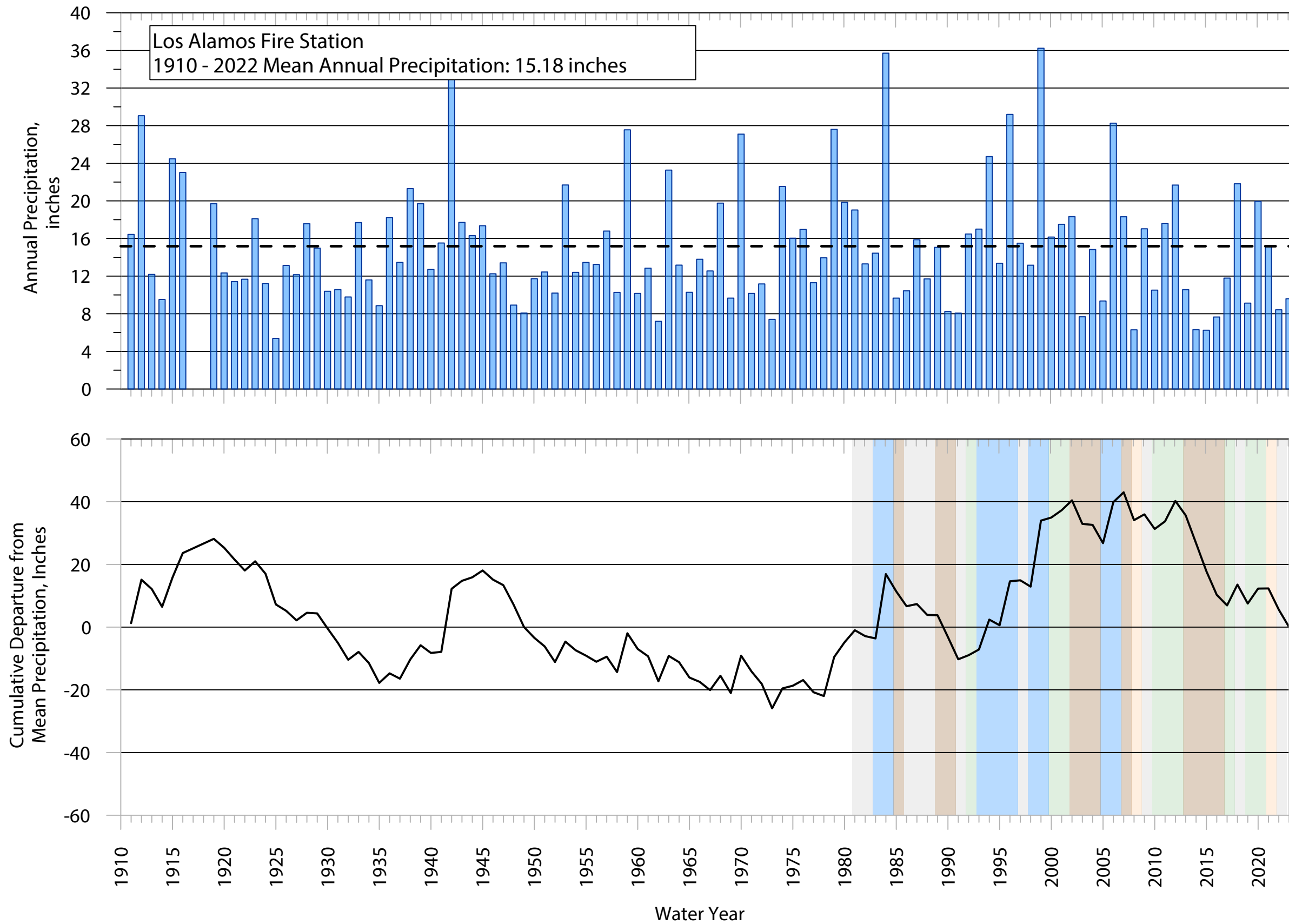
The Careaga Sand is approximately 1,500 ft thick and much of the formation is saturated. There are large exposures of the formation in the Purisima Hills, Solomon Hills, and the Casmalia Hills that receive direct infiltration of rainfall at higher elevations. The formation is present below the valley 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 (ET), 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 significant 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 (as baseflow where the Paso Robles Formation pinches out) or as vertical flux into the Slough (from the Careaga Sand) 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 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 2022 at the Los Alamos Fire Station is 15.18 inches per water year. Water year types were identified using DWR guidance criteria (DWR, 2021). Water years are categorized according to the following designations: wet, above normal, below normal, dry, and critical (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  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



Date: January 26, 2023  
 Data Sources: County of Santa Barbara Public Works Department (n.d.)



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

Water Year	Sum of Annual Precipitation (inches)	Water Year Index <sup>1</sup>	Water Year Type <sup>1</sup>
1981	13.3	15.6	Below Normal
1982	14.4	14.0	Below Normal
1983	35.7	27.2	Wet
1984	9.7	20.1	Wet
1985	10.4	10.1	Critical
1986	15.9	13.7	Below Normal
1987	11.7	13.4	Below Normal
1988	15.1	13.7	Below Normal
1989	8.2	11.0	Critical
1990	8.1	8.1	Critical
1991	16.5	13.1	Below Normal
1992	17.0	16.8	Above Normal
1993	24.7	21.6	Wet
1994	13.4	17.9	Wet
1995	29.2	22.9	Wet
1996	15.5	21.0	Wet
1997	13.2	14.1	Below Normal
1998	36.2	27.0	Wet
1999	16.2	24.2	Wet
2000	17.5	17.0	Above Normal
2001	18.3	18.0	Above Normal
2002	7.7	11.9	Critical
2003	14.8	12.0	Critical
2004	9.4	11.5	Critical
2005	28.3	20.7	Wet
2006	18.3	22.3	Wet
2007	6.3	11.1	Critical
2008	17.0	12.7	Dry
2009	10.5	13.1	Below Normal
2010	17.6	14.8	Above Normal
2011	21.7	20.1	Above Normal
2012	10.6	15.0	Above Normal
2013	6.3	8.0	Critical
2014	6.2	6.3	Critical
2015	7.6	7.1	Critical
2016	11.8	10.1	Critical

Water Year	Sum of Annual Precipitation (inches)	Water Year Index <sup>1</sup>	Water Year Type <sup>1</sup>
2017	21.8	17.8	Above Normal
2018	9.1	14.2	Below Normal
2019	19.9	15.6	Above Normal
2020	15.2	17.1	Above Normal
2021	8.4	11.1	Dry
2022	9.6	12.95	Below Normal

#### Notes

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

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



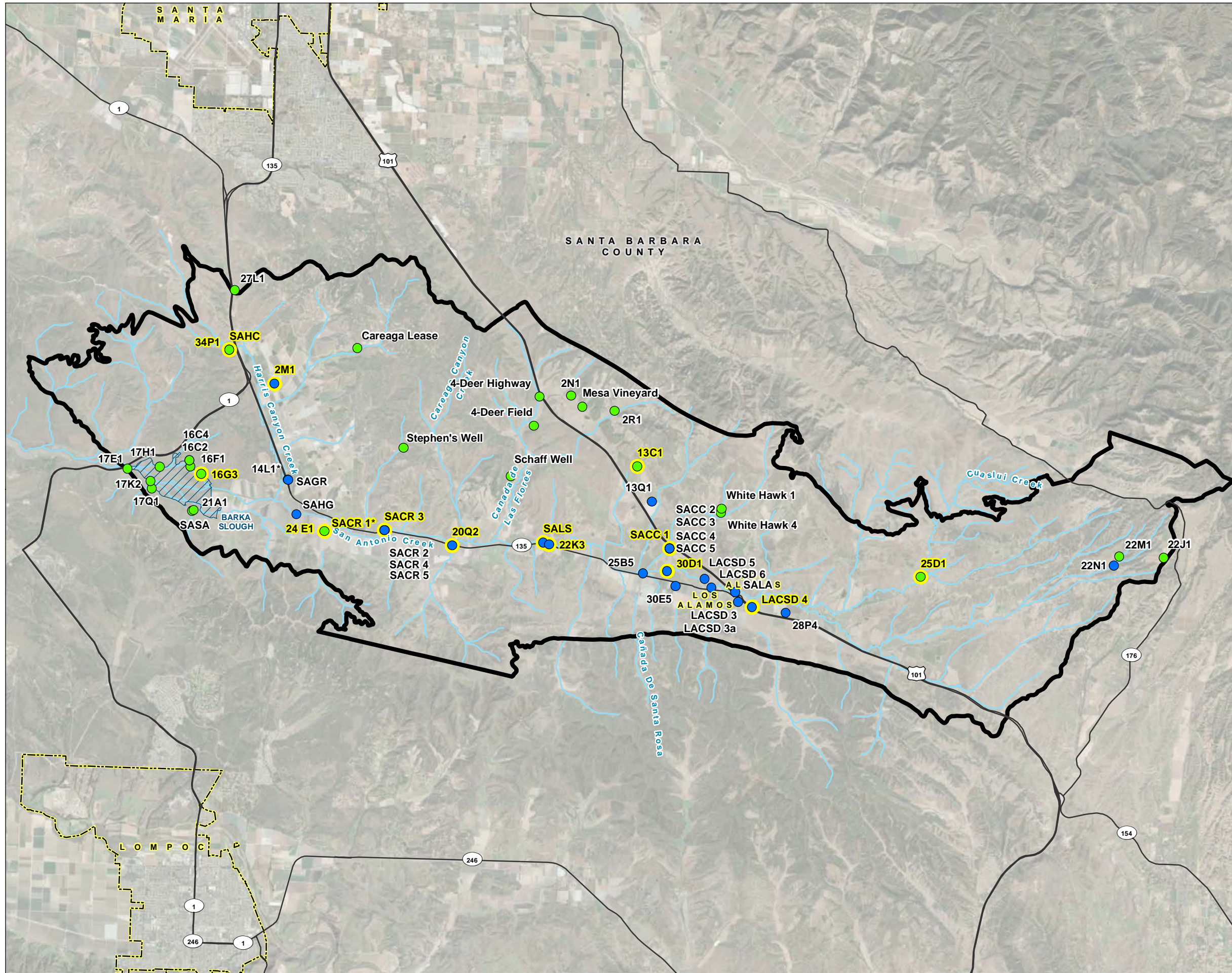
Monitoring for the first two sustainability indicators (chronic lowering of water levels and reduction of groundwater in storage) is implemented using the same representative monitoring sites (RMSs). The GSP identifies an existing network of 15 RMS wells for water level monitoring (GSI and GEI, 2021). Of these 15 wells, 8 wells are screened in the Paso Robles Formation, and 7 wells are screened in the Careaga Sand (Figure 6). Groundwater elevation hydrographs and associated location map for the 15 RMSs in the Basin groundwater level monitoring network are presented 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. Additionally, in December 2022, SABGSA applied for grant funding through DWR's SGMA Round 2 Grant Program. Included in the SABGSA's grant application was a proposal to construct up to four groundwater monitoring wells in the Basin data gap areas.

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  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

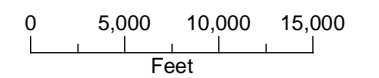
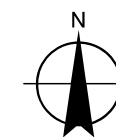
- Representative Well
- Wells (by screened aquifer)**
- Paso Robles Formation
- Careaga Sand
- All Other Features**
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary



**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: February 20, 2023  
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

## 2.5 Groundwater Quality Monitoring

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. No minimum thresholds have been established for contaminants because state regulatory agencies, including the Central Coast Regional Water Quality Control Board (RWQCB) and the Department of Toxic Substances Control, have the responsibility and authority to regulate and direct actions that address contamination (see Section 4.8 of GSI and GEI, 2021). The water quality objectives (WQOs) for salt and nutrients are the minimum thresholds for TDS, chloride, sulfate, boron, sodium, and nitrate as measured by SWRCB ILRP and Division of Drinking Water (DDW) programs in 20 percent of wells monitored. In cases where the ambient (prior to January 2015) water quality exceeds the WQO, the minimum threshold concentration is 110 percent of the ambient water quality in 20 percent of the wells.

Evaluation of the water quality sustainability indicator is achieved through existing groundwater quality monitoring networks, including the SWRCB 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.<sup>8</sup> For agricultural uses, COCs are based on basin 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) and located on the north side of the Slough.

There are 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. Figure 7 shows wells included in the groundwater quality monitoring network.

In comparison to pre-SGMA average concentrations of COCs exceeding their respective water quality regulatory standard, the number of wells with average concentrations exceeding their respective water quality regulatory standard of sodium, sulfate, and TDS increased. Similarly, the maximum reported average concentration for COCs increased for sulfate and TDS during the post-SGMA period compared to the pre-SGMA 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).<sup>9</sup> The USGS, in cooperation with the SWRCB, initiated the California Oil, Gas, and Groundwater (COGG) Program in 2015.<sup>10</sup> The objective of the COGG Program is to determine where

<sup>8</sup> The list of MCLs and SMCLs is available at [https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/Chemicalcontaminants.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.html). (Accessed January 2, 2023.)

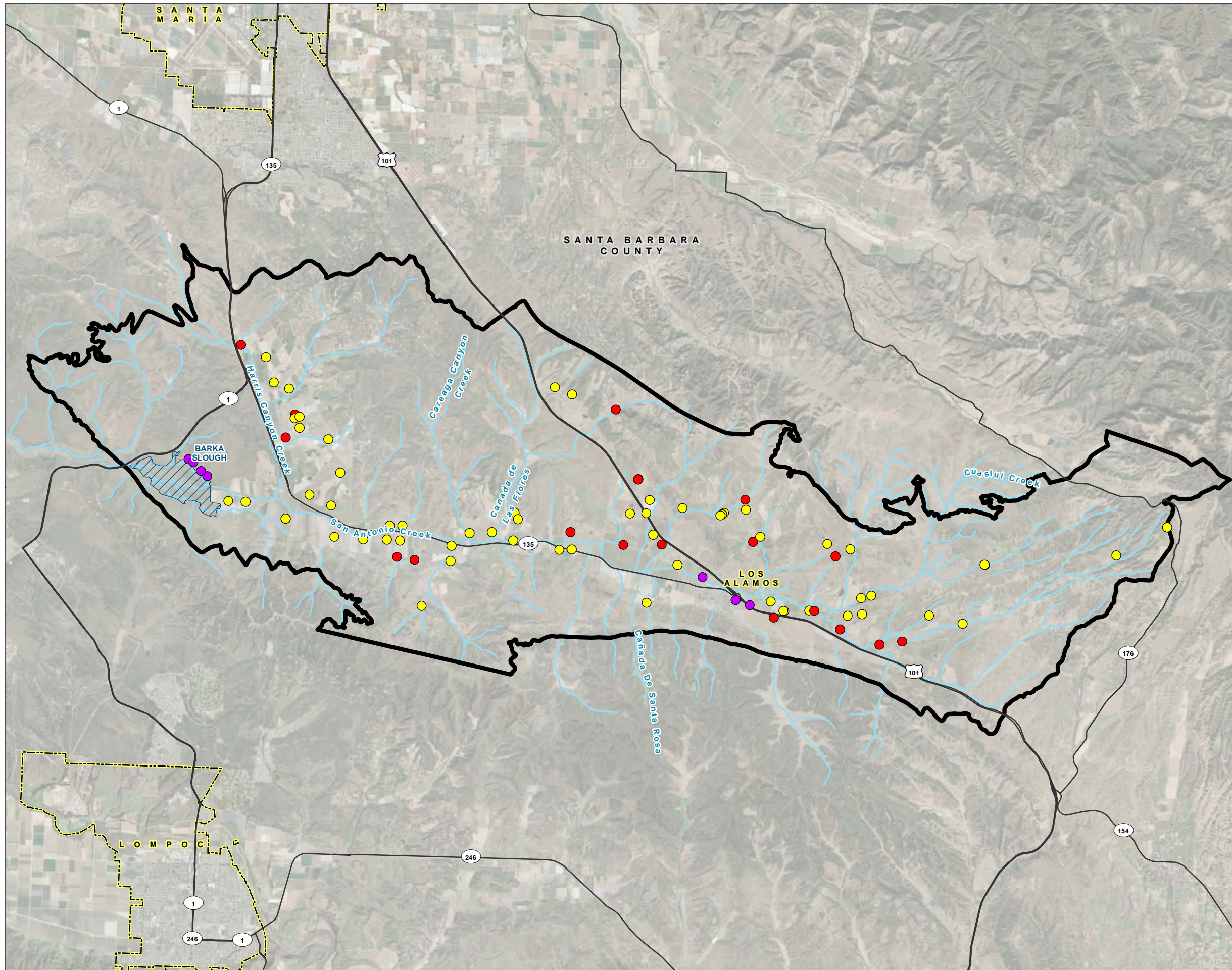
<sup>9</sup> The tool is available at <https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx>. (Accessed January 2, 2023.)

<sup>10</sup> Description available at <https://webapps.usgs.gov/cogg/>. (Accessed January 2, 2023.)

and to what extent groundwater quality may be adversely impacted by proximal oil and gas development activities (Davis, et al., 2018). Groundwater quality data reports have been published for the Orcutt Oil Field as part of the COGG Program; however, interpretation of the published data for Orcutt Oil Field, and data results for the other eight oil gas fields are not yet available for review, as of the submission 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.

**FIGURE 7**

**Groundwater Quality  
Monitoring Network**  
Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin



**LEGEND**

**Well Type**

- Agricultural
- Domestic
- Municipal

**All Other Features**

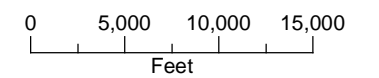
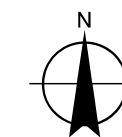
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary



**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.



## 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;<sup>11</sup> 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, wastewater treatment plant, and associated infrastructure), and property interests. The SABGSA will annually assess subsidence using the UNAVCO CGPS and InSAR data provided by DWR. See Figure 8 for total land subsidence in the Basin according to DWR InSAR total raster data (period of record available for the methodology is June 2015 through to October 2022) and measured displacement from the UNAVCO CGPS Station ORES.

## 2.7 Interconnected Surface Water Monitoring

The interconnected surface water monitoring network includes monitoring stream flow recorded at the USGS-operated Casmalia stream gage (USGS Monitoring Location 11136100; see Figure 1) 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 year 2022 (see Appendix H).<sup>12</sup>

The SABGSA understands the USGS, in cooperation with the Santa Barbara County Water Authority and VSFB, are planning to assess the effects of future climate scenarios in the Basin on the Slough. The proposed scope of work will include the installation of one stream gage along San Antonio Creek (upstream of the Slough) and the reactivation of a second stream gage along Harris Creek. VSFB would be responsible for costs, including installation, maintenance, and monitoring of the stream gages through September 2023.

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<sup>11</sup> DWR provided InSAR and UNAVCO CGPS subsidence data is available at <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub>. (Accessed January 2, 2023.)

<sup>12</sup> As of this reporting, available stream flow data at the Casmalia stream gage for May 10, 2022 through September 30, 2022 is categorized as provisional by the USGS. Casmalia stream gage data is available at <https://waterdata.usgs.gov/monitoring-location/11136100/#parameterCode=00065&period=P7D>. (Accessed January 2, 2023.)

**FIGURE 8**

**InSAR Measured Land Subsidence  
June 2015 to October 2022**

Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin

**LEGEND**

UNAVCO CGPS Station ORES

**Land Subsidence**

**Vertical Displacement (InSAR)**

-0.1 to 0.1 ft

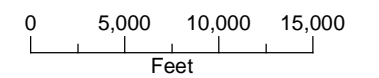
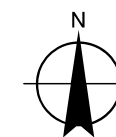
**All Other Features**

- San Antonio Creek or Adjacent Tributary
- Barka Slough
- B118 San Antonio Creek Valley Groundwater Basin
- County Boundary
- City Boundary
- Major Road

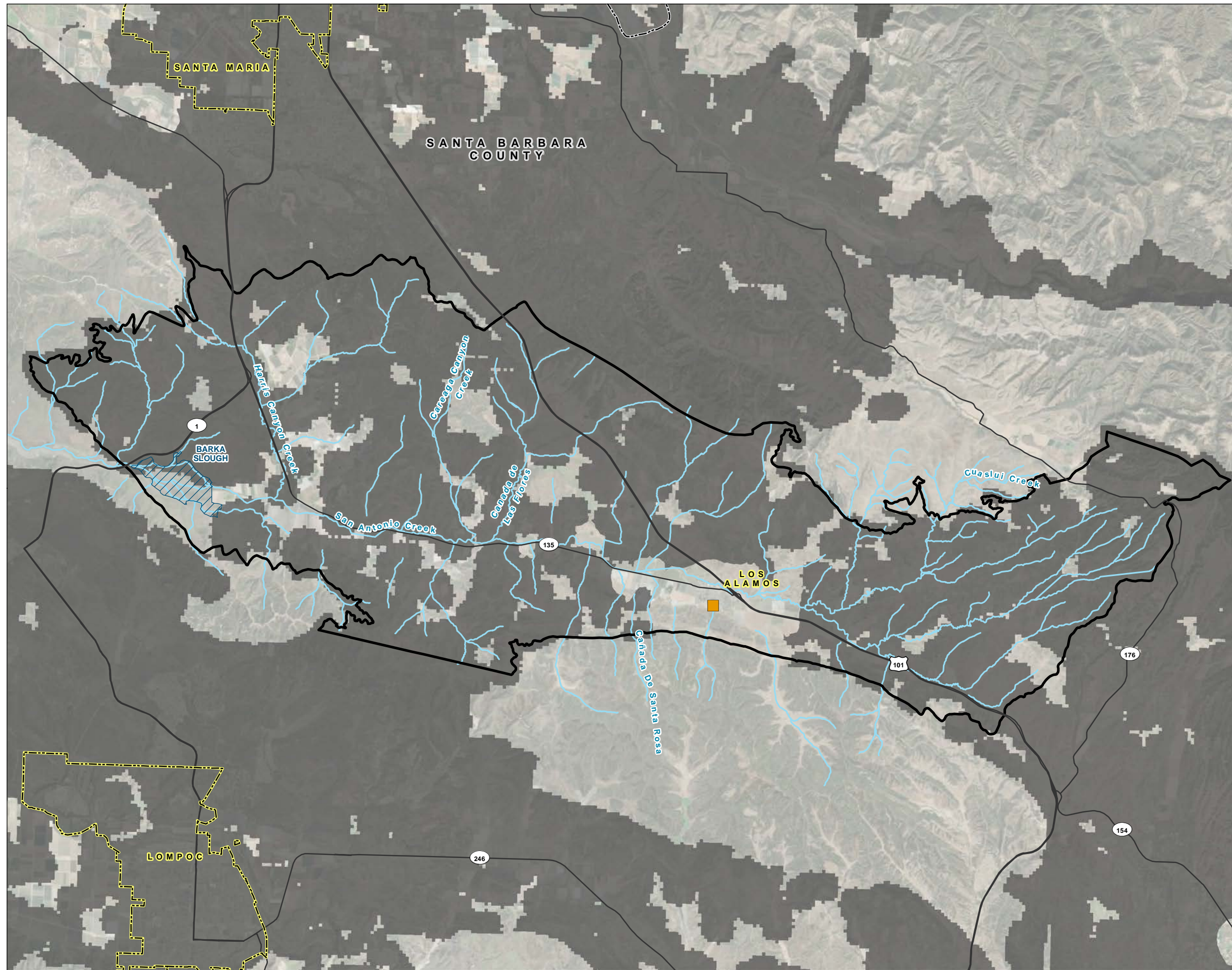


**NOTES**

The accuracy of the InSAR data is 0.1 feet  
(Montgomery & Associates, 2020).



Date: February 20, 2023  
Data Sources: USGS (2020b), ESRI, DWR, 2018,  
DWR, 2023, Maxar imagery (2020)



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

### 3.1 Introduction

This section provides a description of groundwater elevations in the Basin during water year 2022. This Annual Report presents four groundwater elevation maps—for spring 2022 and fall 2022 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.

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 Basin 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 Basin GSP to generate groundwater elevation contours. As described in the Basin GSP, 15 wells included in the Basin have been identified as RMSs for the purpose of monitoring sustainability indicators. As implementation of the Basin GSP progresses, additional wells may be added or existing wells may be replaced based on access, location, well construction data, and representative hydrograph signatures, to the Basin groundwater level monitoring network.

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 (Figures 9 through 12).
- A map depicting the change in groundwater elevation for the preceding water year (Figures 14 and 15).
- Hydrographs for RMS 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 2022 through fall 2022 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 middle Paso Robles Formation confining



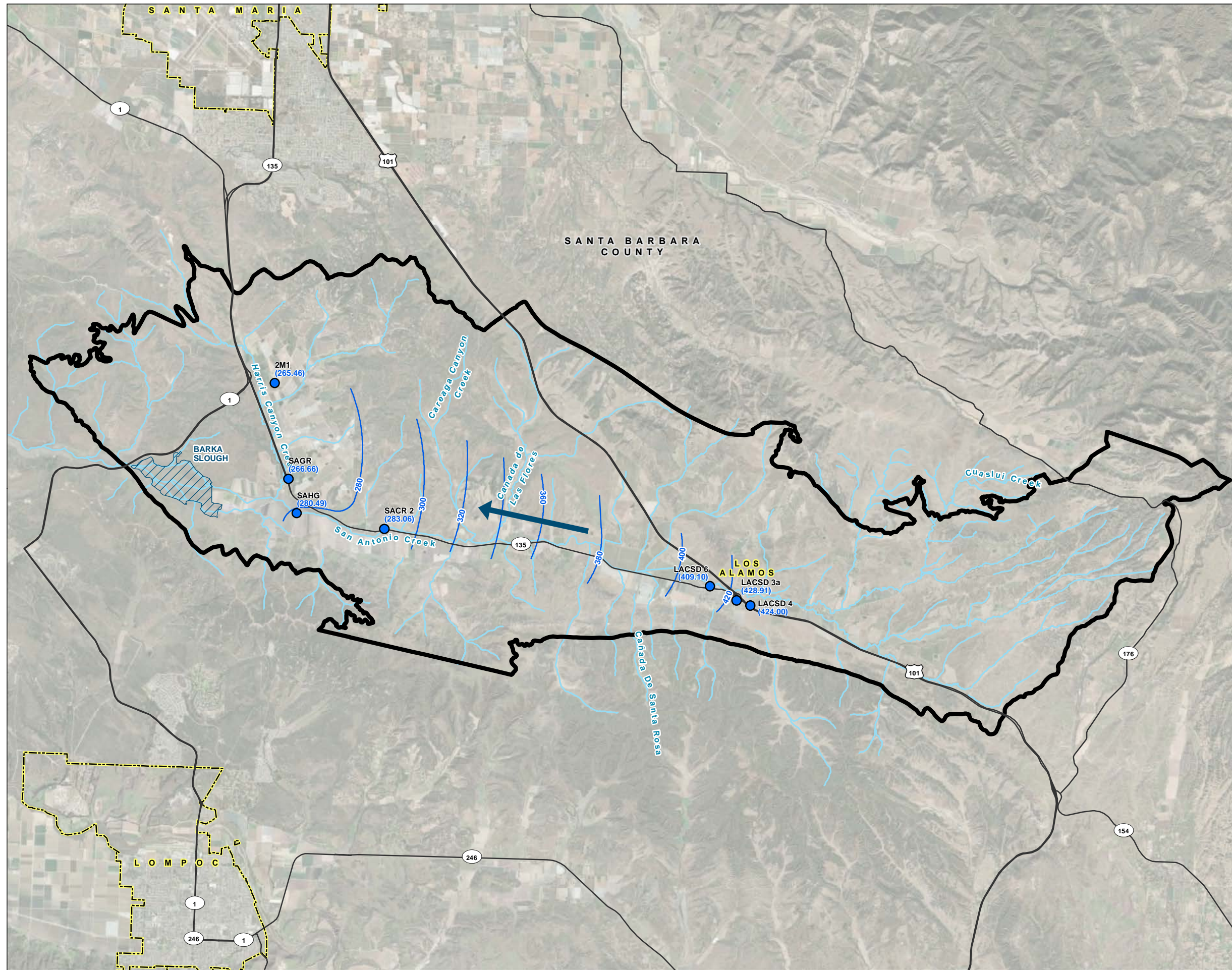
layer and wells that may reflect more unconfined conditions near the aquifer margins is currently not well understood due to a lack of available information (Cromwell et al., 2022; Woolfenden et al., 2022).<sup>13</sup> Contour maps were prepared for the seasonal high groundwater levels, which typically occur in the spring, and the seasonal low groundwater levels, which typically occur in the fall. In general, the spring groundwater data are collected in March, and the fall groundwater data are collected in September. For consistency with the GSP, best attempts were made to use the same well data sets for contouring.

Figures 9 and 10 show contours of groundwater elevations in the Paso Robles Formation for spring 2022 and fall 2022, respectively. Overall, groundwater flow conditions in the Basin in the spring and fall of 2022 were similar, with similar flow directions and hydraulic gradients. Groundwater elevations in the fall were observed to generally be lower than in the spring, a typical seasonal trend for the Basin. Groundwater flow direction is generally to the west (along the axis of the Basin) and southwest (in the northern uplands). 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 flatter gradients near Los Alamos, the Slough, and Harris Canyon, and steeper gradients in between along California State HWY 135. The flatter groundwater gradients are suspected to be a result of groundwater pumping. The flatter groundwater gradient along Harris Canyon 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 ranges from approximately 0.003 feet per foot (ft/ft) in the spring to 0.004 ft/ft in the fall.

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<sup>13</sup> 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 (Cromwell et al., 2022; Woolfenden et al., 2022), and review and possible implementation of the USGS groundwater numerical model for the Basin.

**FIGURE 9**  
**Paso Robles Formation**  
**Groundwater Elevation Contours**  
**Spring 2022**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



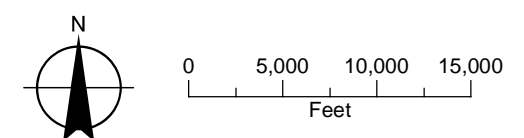
**LEGEND**

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



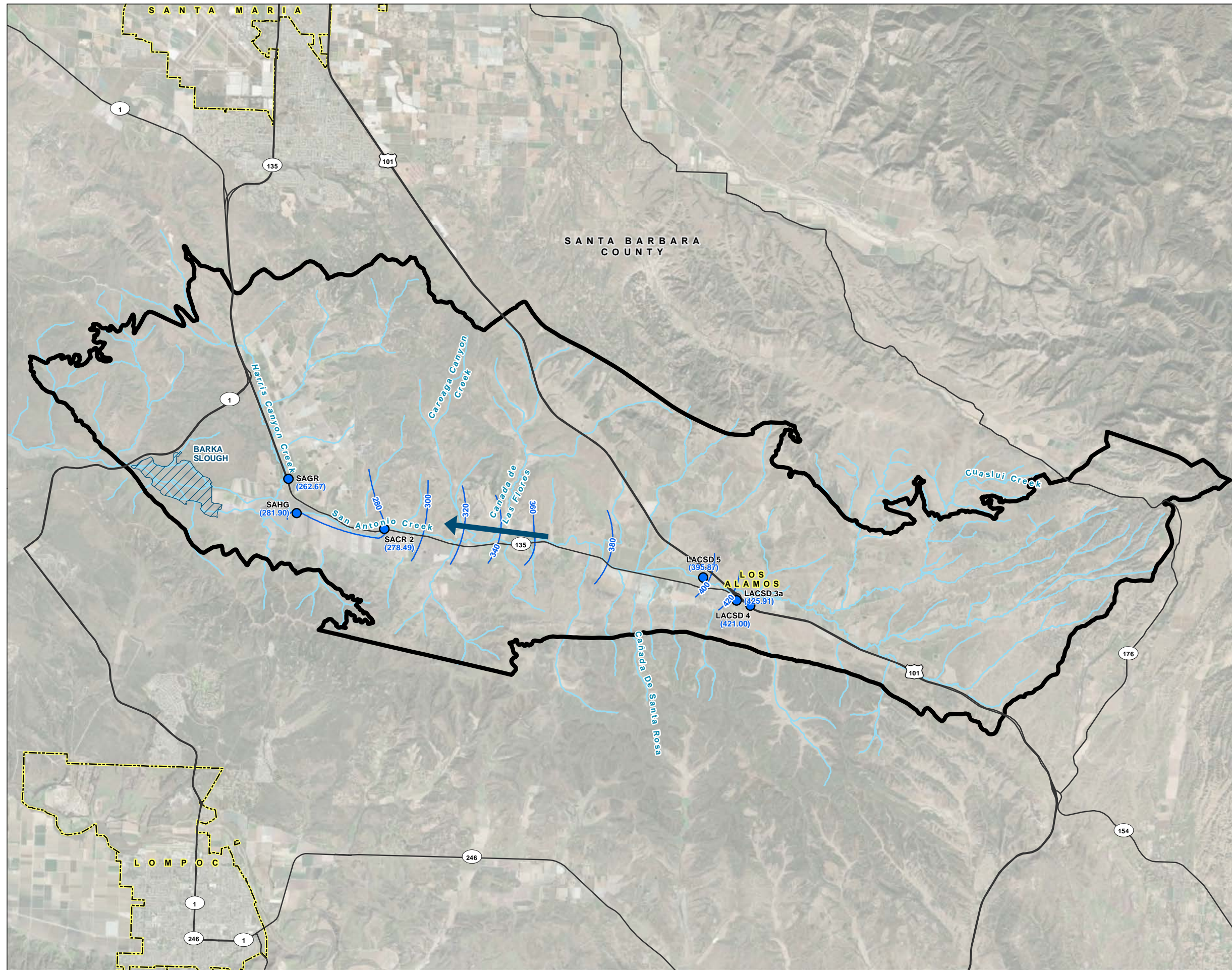
**NOTES**

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: February 20, 2023  
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

**FIGURE 10**  
**Paso Robles Formation**  
**Groundwater Elevation Contours**  
**Fall 2022**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



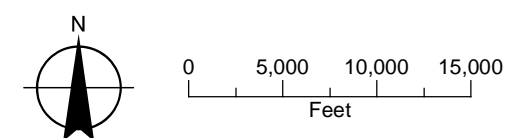
**LEGEND**

- Paso Robles Formation Well  
Groundwater Elevation (NAVD88)
- ~ Groundwater Elevation Contours, ft NAVD88
- ➔ Groundwater Flow Direction
- 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: February 20, 2023  
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

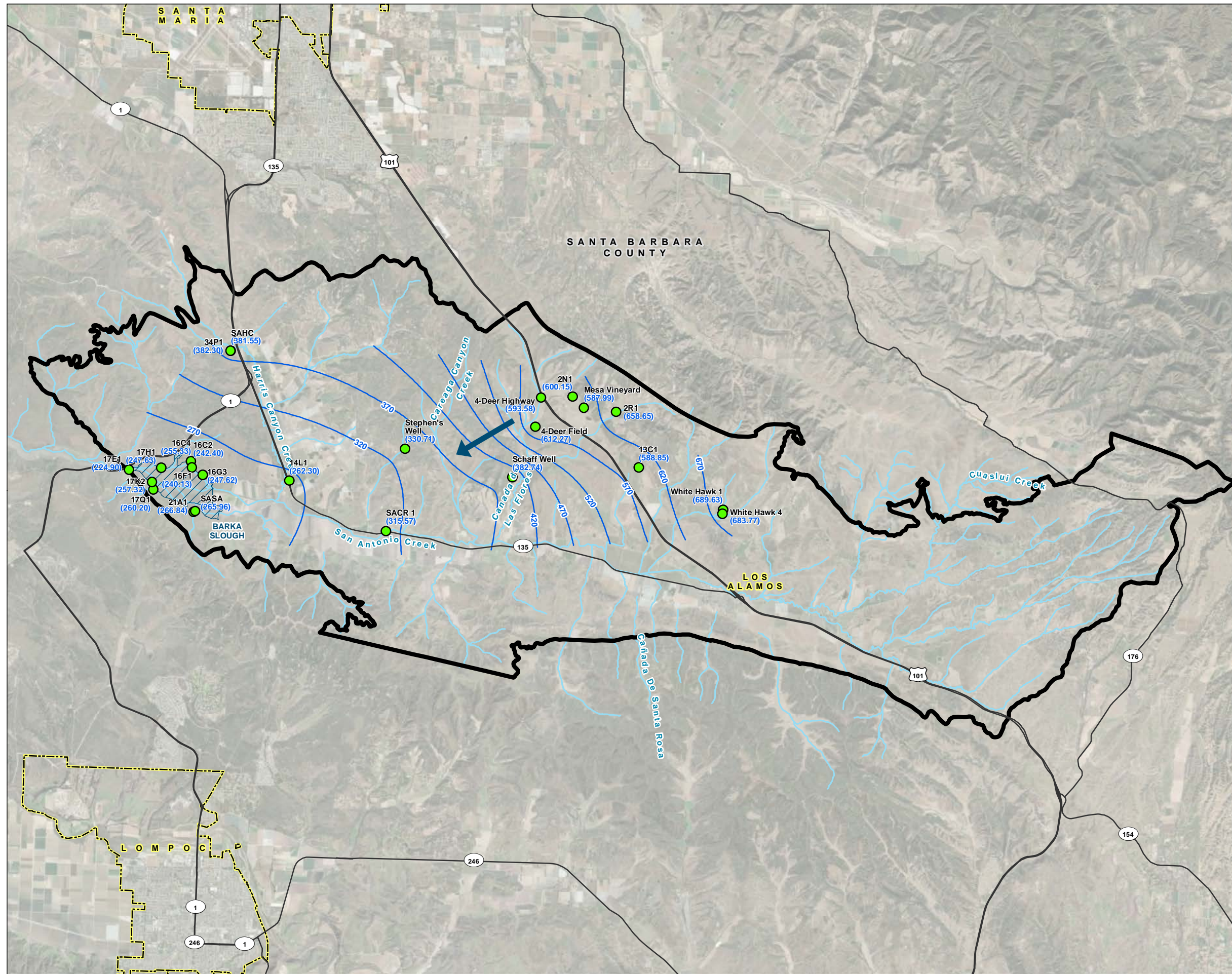
Groundwater elevations observed in the Basin from the Slough to Los Alamos were lower during water year 2022 than water years 2019 through 2021 (reporting period of the first Annual Report). Although water years 2021 and 2022 were dry and below normal water year types, respectively, decreasing groundwater elevations were likely also attributable to 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 during the 2022 water year.

### 3.2.2 Careaga Sand Aquifer Groundwater Elevation Contours

Seasonal high and low groundwater elevation data for the Basin for spring 2022 through fall 2022 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 March and the fall groundwater data are for late September to early October. For consistency with the GSP, best attempts were made to use the same well data sets for contouring.

Figures 11 and 12 show contours of groundwater elevations in the Careaga Sand for spring 2022 and fall 2022, respectively. Overall, groundwater flow conditions in the Basin in the spring and fall of 2022 were similar, with similar flow directions and hydraulic gradients. Groundwater elevations in the fall were observed to generally be 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 Cañada de Las Flores and flatter groundwater gradients between the Slough and Stephen's Well, and near well 4-Deer Field. The steep groundwater gradients are suspected to be controlled by the Basin's geological structure. The flatter groundwater gradients may be a result of the Basin's geological structure, groundwater pumping, or a combination of the two. Horizontal groundwater gradients between U.S. HWY 101 northwest of Los Alamos and the Slough were approximately 0.01 ft/ft in the spring and fall.

**FIGURE 11**  
**Careaga Sand**  
**Groundwater Elevation Contours**  
**Spring 2022**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

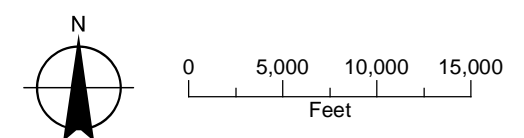
- Careaga Sand Well
- Groundwater Elevation (NAVD88)
- Groundwater Elevation Contours, ft NAVD88
- Groundwater Flow Direction
- All Other Features**
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary



**NOTES**

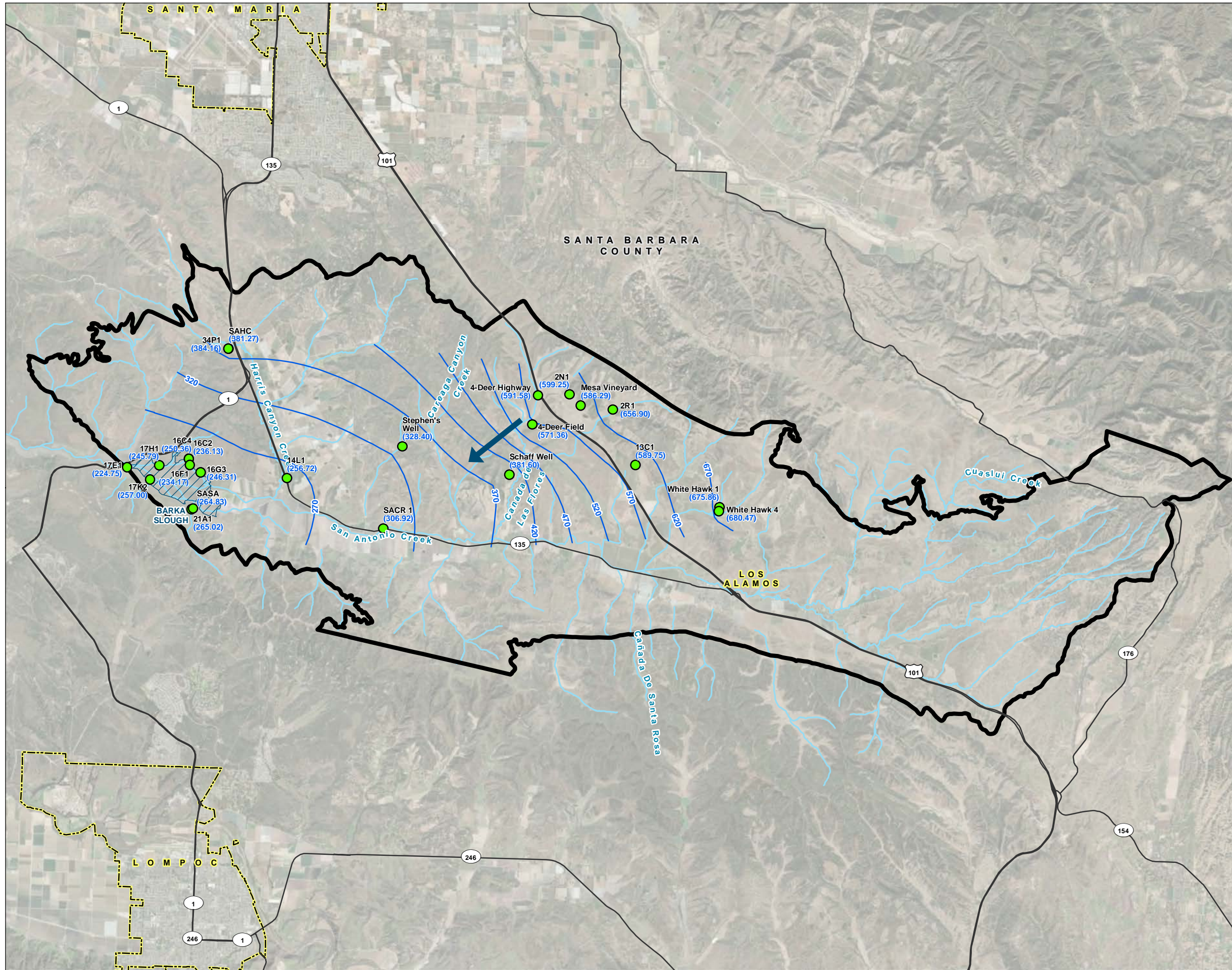
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

NAVD88: North American Vertical Datum of 1988



Date: February 20, 2023  
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)

**FIGURE 12**  
**Careaga Sand**  
**Groundwater Elevation Contours**  
**Fall 2022**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



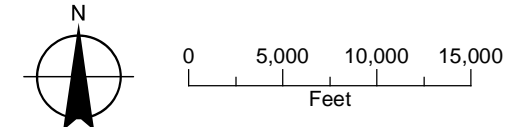
**LEGEND**

- Careaga Sand Well
- Groundwater Elevation (NAVD88)
- ~ Groundwater Elevation Contours, ft NAVD88
- ➔ Groundwater Flow Direction
- 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: February 20, 2023  
 Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



Groundwater elevations observed in the Careaga Sand were lower during water year 2022 than water years 2019 through 2021 (reporting period of the first Annual Report). Although water years 2021 and 2022 were dry and below normal water year types, respectively, decreasing groundwater elevations may also be attributable to 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 during the 2022 water year.

### 3.3 Hydrographs (§ 356.2[b][1][B])

Of the 15 RMS hydrographs presented in Appendix C, none of the RMSs exhibit current groundwater elevations at or below the minimum threshold.

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).

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”, and water year 2022 was “below normal.” Although two of the four 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.

### 3.4 2022 Quarterly Groundwater Level Monitoring

Pursuant to the groundwater leveling monitoring program described in the Basin GSP, quarterly groundwater level monitoring of the Basin groundwater leveling monitoring network was completed during the 2022 calendar year. Groundwater level measurements were collected manually on a quarterly basis in the 38 accessible wells included in the Basin groundwater level monitoring network. Water level data was collected at more frequent intervals using existing data-recording pressure transducers (transducers) installed in 10 of the 38 wells. Groundwater level data was downloaded from the transducers and calibrated with manual depth to water readings on a quarterly basis.

Prior to each quarterly monitoring event, well owners are contacted to coordinate access to the wells and request that well owners shut off the well for at least 8 hours before the monitoring event so that a static measurement can be obtained. If access to any of the wells was restricted, water levels were not measured in affected wells.

At the conclusion of each quarterly monitoring event, a brief technical memorandum (TM) was generated that presented an overview of that quarter's monitoring activities and a table of the results of the groundwater level monitoring. The intent of these reports is to regularly update the SABGSA on the status of the monitoring program. Additionally, the quarterly reports memorialize important changes in the monitoring program that may influence data collection and can be reviewed at a later date. The quarterly TMs were provided to SABGSA within two weeks after each monitoring event and provided the following information:

- Summary tables listing measured depth to groundwater and groundwater elevation in each monitoring well,
- Maps of the well locations in the monitoring network, including access status and updates for the addition or removal of wells from the network,
- Summary of noteworthy observations or differences between monitoring events, including but not limited to well access, changes in reference points, equipment repairs/replacements, and challenges associated with data collection, and
- Recommendations for future monitoring events.

### 3.4.1 Data Summary

A discussion of groundwater level data is included in preceding Sections 3.2 and 3.3.

### 3.4.2 Maintenance, Issues, and Recommendations

Monitoring network maintenance completed, and issues encountered during the 2022 calendar year included:

- The sounder used to manually measure depth to groundwater was temporarily stuck in well 2M1. This has occurred in the past. Although the sounder was ultimately freed, it is advised that the SABGSA install a sounding tube to avoid costly remediation efforts if the sounder becomes stuck in the well during a future monitoring event. Currently, well 2M1 is a representative monitoring site in the Basin's groundwater level monitoring network. Groundwater levels in well 2M1 were not measured during the second quarter 2022 (2Q2022) through the 4Q2022 event due to the risk of the sounder becoming stuck in the well. Groundwater level monitoring at well 2M1 is planned to resume pending the installation of a sounding tube.
- A different access port was used to measure the groundwater level in the Mesa Vineyard well because a descaling electrode was installed in the historically used access port. Mesa Vineyard staff assisted in opening the alternate access port. The depth to water measurement collected using the alternate access port was corrected by calculating the difference in elevation from the well's reference point elevation (RPE).
- Data from Q12022 and Q22022 monitoring events was uploaded to the SGMA Monitoring Network Module (MNM) in accordance with SGMA regulations and Water Code §10933(e)(2). During the upload process it was observed that the MNM has some historical (pre-2019) groundwater elevation measurements that are inaccurate due to the calculated groundwater elevation value using an inaccurate RPE. The data is corrected as part of the scope of this annual report.
- Well White Hawk 1 had been capped with a thin piece of metal. The well owner approved drilling a hole in the metal cap to enable collection of a groundwater level measurement.
- The transducer formerly deployed in SACC 5 was moved to SACC 1 (SACC 1 is an RMS in the Basin's groundwater level monitoring network).



- The transducer formerly deployed in SACR 5 was move to SACR 1 (SACR 1 is an RMS in the Basin’s groundwater level monitoring network).
- The transducer data cable for Well SALS has failed and no longer transmits data. The cable is planned to be replaced as part of the 2023 Quarterly Groundwater Level Monitoring and Reporting scope of work.
- Well 17Q1 was inaccessible due to poison oak overgrowth. Vegetation along access trails to monitoring wells included in the Basin’s groundwater level monitoring network, specifically on VSFB Property near Barka Slough, has become overgrown and is a safety concern for personnel trying to access the wells during the Basin’s quarterly groundwater level monitoring events. Historically, these access trails were maintained by the USGS when the USGS managed the groundwater level monitoring network. Access trails to nine wells, totaling approximately 3,200 feet of trails are proposed for vegetation trimming. In general, vegetation to be trimmed consists of coyote bush, poison oak, and bull rush. Additionally, a tall marker is planned for installation, such as PVC tubing or similar, adjacent to the wells to serve as a landmark that can be seen from afar so that well locations may not be lost if vegetation were to become too dense. The proposed vegetation trimming of the well access trails has was completed during 1Q2023.
- Twenty-five wells in the monitoring network have ground surface elevations that do not meet accuracy standards based on DWR best management practices. Acquiring accurate ground surface elevations will benefit the Basin and stakeholders by providing more accurate groundwater elevation data which will result in more accurate groundwater elevation contours and change in storage calculations included in annual reports. The SABGSA has budgeted for this scope of work and was included as a component in the SABGSA’s application for DWR SGMA Round 2 grant funding.
- Continue public outreach to Basin stakeholders to discuss participation in the Basin’s groundwater level monitoring network.
- Perform ongoing maintenance of the well access trails within Barka Slough. The SABGSA has budgeted for this scope of work and was included as a component in the SABGSA’s application for DWR SGMA Round 2 grant funding.
- Consider the purchase and installation of transducers in, at a minimum, all RMS wells. The SABGSA included this as a component in the SABGSA’s application for DWR SGMA Round 2 grant funding.

## 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 2022 water year. Metered and estimated groundwater extractions from the Basin for the 2018 through 2021 water years are also included for comparison. The types of groundwater extraction described in this section include municipal (Table 1), agricultural (Table 2), and rural domestic (Tables 3 and 4). 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
2022	270	2,600	2,870

#### 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

### 4.3 Estimate of Agricultural Extraction

Agricultural water use constituted 86 percent of the total groundwater pumping in the Basin in water year 2022. Groundwater extraction for agricultural irrigation was estimated in two ways for water year 2022:

1. Using Santa Ynez River Valley Water District (SYRWD) **crop-specific water use factors** (SYRWCD, 2010; revised by growers in the Basin).
2. Using a **satellite-based method** that measures actual ET at the field level.

Currently, no public annual land use surveys are available for the Basin. A company called Land IQ provides Statewide Crop Mapping for DWR; however, the availability of these data has not been current (as of this writing, the most recent available land use spatial data set is for water year 2019). Consequently, for water

year 2022, Land IQ was contracted to provide this service<sup>14</sup> using satellite imagery at a basin scale to improve the accuracy of the agricultural water use estimates and to accurately account for changes in crop categories, distribution, and acreages within the Basin.

Both methods of estimation use a water year 2022-specific land use dataset purchased from Land IQ. The Land IQ dataset for water year 2022 is comparable to the 2018 land use data set used to calculate agricultural water demand in the Basin annual report for water year 2021 (GSI, 2022). The Land IQ dataset encompasses actual planted acreage and crop types and acreages are verified on the ground. The Land IQ dataset also documents multi-cropping that occurs throughout the growing season.

The two agricultural water demand estimation methodologies are described below, followed by a discussion of the results from each.

### 4.3.1 Crop-Specific Water Use Factors

Agricultural water demand was calculated in the Basin annual report for water year 2021 (GSI, 2022) 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 ET zones (DWR, 2023), and SYRWCD crop-specific water use factors (SYRWCD, 2010; revised by growers in the Basin).<sup>15</sup> CNRA land use spatial data for 2018 (the most recent available data set at the time) was used to determine the appropriate crop categories, distribution, and acreages. 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.<sup>16</sup>

To estimate agricultural groundwater extraction for water year 2022, the Land IQ land use dataset for water year 2022 was used in conjunction with DWR ET zones (DWR, 2023) and SYRWCD crop-specific water use factors (SYRWCD, 2010; revised by growers in the Basin). This methodology differs from the approach used to calculate agricultural water demand in the first Annual Report because the land use dataset is current and therefore the crop types and planted acreage are also current. Agricultural water demand for water year 2021 was determined by calculating an overall water demand in acre-feet per acre (AF/acre) for water year 2018 by using planted acreage, crop types, and crop-specific water duty factors. The water year 2018 water demand in AF/acre was calculated using the 2018 CNRA data set (the most recent available Land IQ land use data set at the time), which was multiplied by the SABWD irrigated acres to determine total agricultural groundwater demand for water year 2021.<sup>17</sup>

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<sup>14</sup> Land IQ can classify all agriculture in the Basin within 97 percent accuracy with clean topology and Multi-cropping attributes.

<sup>15</sup> Land IQ provides Statewide Crop Mapping for DWR and is synonymous with the CNRA land use data referred to in the Basin annual report for water year 2021.

<sup>16</sup> 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).

<sup>17</sup> SABWD irrigated acres for water year 2021 were determined using the SABWD's fiscal year assessments.

### 4.3.2 Satellite-Based Method

The OpenET ensemble model was used in conjunction with the water year 2022 land use data provided by Land IQ to calculate agricultural groundwater extraction for water year 2022.<sup>18</sup> OpenET provides satellite-based estimates of the total amount of water that is transferred from the land surface to the atmosphere through the process of ET. OpenET uses Landsat satellite data to produce ET data at a spatial resolution of 30 meters by 30 meters (0.22 acres per pixel). Additional inputs used by the OpenET approach include gridded weather variables such as solar radiation, air temperature, humidity, wind speed, and in some cases, precipitation (OpenET, 2022). OpenET provides estimates of ET for the entire land surface, or in other words, “wall to wall.” To produce an estimate of ET specific to the irrigated crop acreage in the Basin, the OpenET ensemble model results were screened by the Land IQ land use data set for water year 2022, thereby removing the estimated ET volumes associated with bare ground and native vegetation outside of irrigated areas. A total of 14 irrigated crop types were identified in the water year 2022 Land IQ land use dataset.<sup>19</sup> Irrigated agricultural crop types were identified by inspection of monthly ET for each mapped crop type versus monthly ET for fallow ground. Essentially, crop types were considered irrigated if monthly ET remained high throughout the latter part of the growing season as opposed to the diminishing monthly ET following the rainy season on fallow ground. ET associated with precipitation events were removed from the analysis by subtracting the volume of rain received (irrigated acreage times decimal feet of spatially variable precipitation received based on gridMET) on a monthly time-step.<sup>20</sup> Applied irrigation volumes are estimated by scaling up the estimated irrigated crop ET volumes using assumed crop specific irrigation efficiency factors.<sup>21</sup> The resulting volumes are summed by water year, which then represent estimated annual agricultural groundwater extraction. Deficit irrigation is captured in the satellite-based method through the measurement of actual ET. Groundwater extractions for frost protection are captured to the extent that the produced water results in increased ET. It is assumed that the remainder of the water produced for frost protection remains within the Basin and percolates back to groundwater. The results of this method are summarized in Table 3.

### 4.3.3 Results and Discussion

As shown in Table 3, the estimates of groundwater extraction for agricultural irrigation in water year 2022 from the crop-specific water use factors and the satellite-based method are 18,800 acre-feet (AF) and 19,200 AF, respectively. The similarity in results between the methods demonstrates the utility of the satellite-based method. The satellite-based method is considered more accurate because it directly measures actual ET as it varies spatially and temporally throughout the Basin and throughout the year, thereby capturing nuances in crop irrigation practices, such as deficit irrigation. The similarity in results

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<sup>18</sup> OpenET uses reference ET data calculated using the American Society of Civil Engineers (ASCE) Standardized Penman-Monteith equation for a grass reference surface, and usually notated as ‘ET<sub>o</sub>’ (evapotranspiration). For California, OpenET uses Spatial CIMIS meteorological datasets generated by the California DWR to compute ASCE grass reference ET. OpenET provides ET data from multiple satellite-driven models, and also calculates a single “ensemble value” from those models. The models currently included are ALEXI/DisALEXI, eeMETRIC, geeSEBAL, PT-JPL, SIMS, and SSEBop. More information about these models can be found at:

<https://openetdata.org/methodologies/>. All of the models included in the OpenET ensemble have been used by government agencies with responsibility for water use reporting and management in the western U.S., and some models are widely used internationally (OpenET, 2022).

<sup>19</sup> OpenET ET data for Land IQ crop type “Greenhouse” was not used in the agricultural irrigation groundwater extraction analysis due to methodology limitations. Crop type “Greenhouse” includes hoop houses and was assigned a crop-specific water use factor of 1.5 acre-feet per year (AFY) for cannabis/hemp (Battany, 2019).

<sup>20</sup> gridMET is a public domain dataset of daily high-spatial resolution (~4-kilometers, 1/24<sup>th</sup> degree) surface meteorological data covering the contiguous United States from 1979-yesterday (<https://www.climatologylab.org/gridmet.html>). The methodology behind gridMET is described in Abatzoglou (2013).

<sup>21</sup> Irrigation efficiencies were assigned based on FAO (1989) and Martin (2011). Vineyard, the dominant crop in the Basin was assigned an irrigation efficiency of 90 percent.

between the methods also indicates the determined crop-specific water use factors are representative of the Basin at a basin scale; however, the accuracy of the agricultural extraction calculation using this method can only be implemented with an accurate land use dataset. The crop-specific water use factors method is a more limited approach that does not capture ET variability in the Basin and does not fully capture the actual climatic variability or nuanced crop irrigation practices that may occur each year. Based on the similarity in results and the stated benefits of the satellite-based method, upon agreement of the SABGSA, the intention going forward is to retire the crop-specific water use factors method and use the satellite-based method exclusively for estimating groundwater extractions for irrigated agriculture.

The crop-specific water use factors were used to estimate agricultural water demands through water year 2018 during completion of the Basin GSP (GSI and GEI, 2021) and for water years 2019 through 2021 in the first Annual Report (GSI, 2022). Agricultural water demand for this reporting period (water year 2022) was estimated using both the crop-specific water use factors and the satellite-based method. The resulting estimated groundwater extractions for agricultural demands are summarized in Table 3. Results from the satellite-based method are carried forward into the total groundwater extractions summary (see Section 4.5). The accuracy level rating of this satellite-based method estimated volume is medium-high.

**Table 3. Agricultural Irrigation Groundwater Extractions**

Water Year	Agricultural (AF)	
	Crop Water Duty Factors	Satellite-Based Method
2018 <sup>1</sup>	21,200	—
2019	21,300	—
2020	21,900	—
2021	21,400	—
2022	<del>18,800</del>	19,200

**Notes**

<sup>1</sup> 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.

Gray strikethrough text indicates value not used in the Total Water Extraction Summary (see Section 4.5).

— = not calculated

AF = acre-feet

## 4.4 Rural Domestic Extraction

Rural domestic pumping is all domestic pumping that occurs outside of LACSD. Rural domestic pumping was calculated by conducting an aerial photo 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

Rural domestic demand was estimated based on an aerial photo survey, published estimated water demand based on parcel size, and census data. Consequently, the uncertainty of these calculations is considered medium to low. Calculated rural domestic groundwater demand for water years 2018 to 2022 is included in Table 5.

**Table 5. Rural Domestic Groundwater Extractions**

Water Year	Rural Domestic (AF)
2018	170
2019	170
2020	170
2021	170
2022	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 year 2022 is 22,200 AF. Table 6 summarizes the total water use by sector and indicates the method of measure and associated level of accuracy. Land IQ land use spatial data for water year 2022, OpenET ET data for 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 13).

**Table 6. Total Groundwater Extractions by Water Use Sector**

Water Year	LACSD (AF)	VSFB (AF)	Rural Domestic (AF)	Agricultural (AF)	Total (AF)
2018 <sup>1</sup>	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
2022	270	2,600	170	19,200 <sup>2</sup>	22,200
Method of Measure	Metered	Metered	Aerial Photo Survey	Satellite Based Land Use Survey and ET Calculations	—
Level of Accuracy	High	High	Medium/Low	Medium/High	—

**Notes**

<sup>1</sup> The 2018 water year’s historical water budget agricultural pumping volume was revised based on updated data.

<sup>2</sup> The identified “Method of Measure” and “Level of Accuracy” for “Agricultural” total groundwater extractions pertain to water year 2022 only.

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

— = not applicable

AF = acre-feet

ET = evapotranspiration

LACSD = Los Alamos Community Services District

VSFB = Vandenberg Space Force Base

**FIGURE 13**  
**General Location and Volumes**  
**of Groundwater Extractions**  
 Groundwater Sustainability Plan  
 2022 Annual Report  
 San Antonio Creek Valley  
 Groundwater Basin



**LEGEND**

**Land Use Classification / Crop Type**

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

**All Other Features**

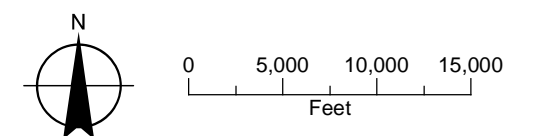
- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

**NOTES**

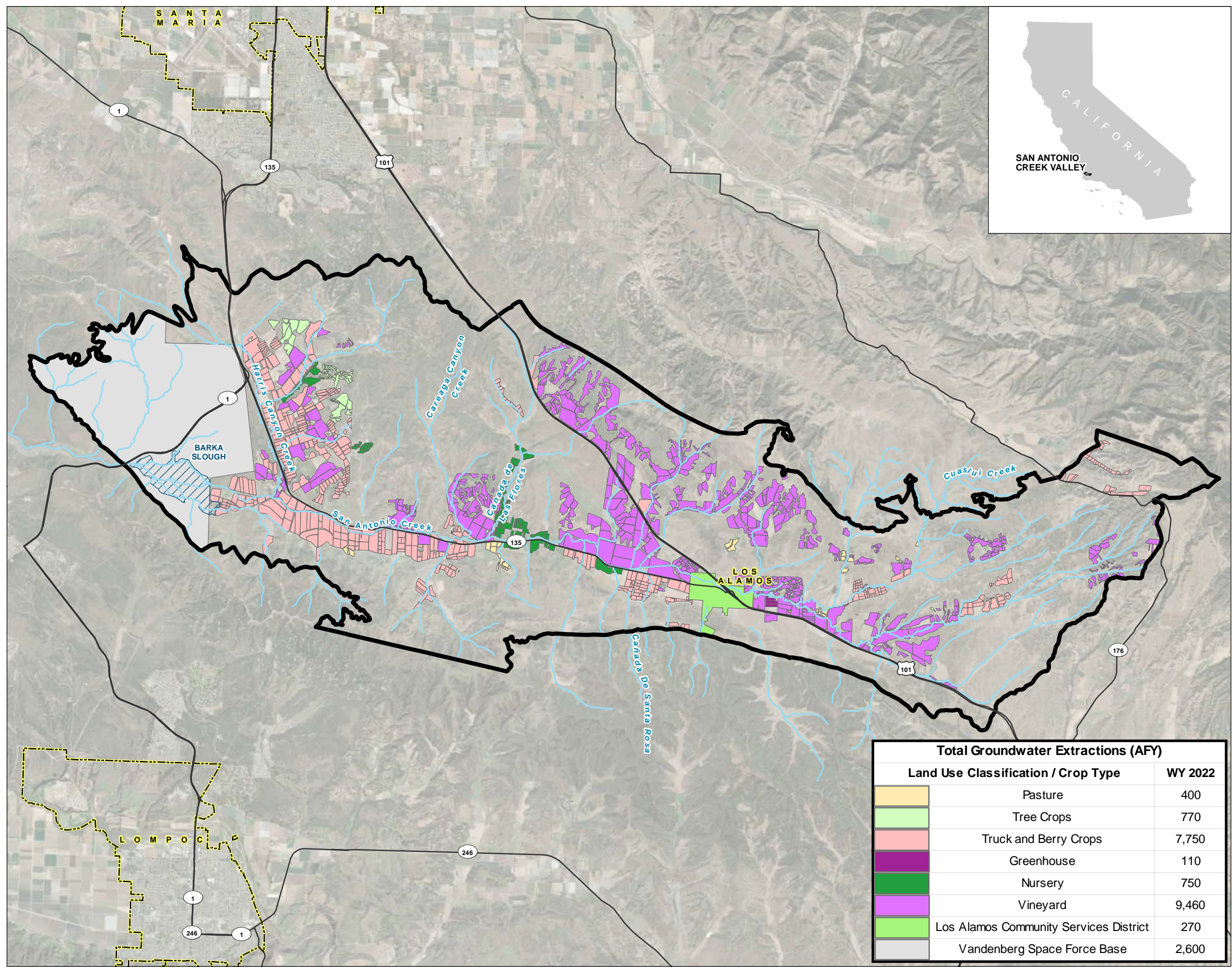
San Antonio Creek Valley Groundwater Basin Boundary as defined in the California Department of Water Resources Bulletin 118.

Land Use Classification / Crop Type as defined in Land IQ, 2022 and SYRWCD, 2010.

AFY: Acre-Feet Per Year  
 WY: Water Year



Date: February 20, 2023  
 Data Sources: USGS (2020a), ESRI, DWR (2018), Land IQ (2022), Maxar imagery (2020) **GSI** Water Solutions, Inc.



Total Groundwater Extractions (AFY)		
Land Use Classification / Crop Type		WY 2022
<span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black;"></span> Pasture		400
<span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> Tree Crops		770
<span style="display: inline-block; width: 15px; height: 10px; background-color: #FFB6C1; border: 1px solid black;"></span> Truck and Berry Crops		7,750
<span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black;"></span> Greenhouse		110
<span style="display: inline-block; width: 15px; height: 10px; background-color: #008000; border: 1px solid black;"></span> Nursery		750
<span style="display: inline-block; width: 15px; height: 10px; background-color: #FF00FF; border: 1px solid black;"></span> Vineyard		9,460
<span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> Los Alamos Community Services District		270
<span style="display: inline-block; width: 15px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> Vandenberg Space Force Base		2,600



## 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 year 2022 were derived from comparison of fall groundwater elevation contour maps from water year 2021 to water year 2022. Specifically, the fall 2022 groundwater elevations for the Paso Robles Formation (see Figure 10) were subtracted from the fall 2021 groundwater elevations for the Paso Robles Formation resulting in a map depicting the changes in groundwater elevations in the Paso Robles Formation that occurred during the 2022 water year (see Figure 14). The same was completed for the Careaga Sand.

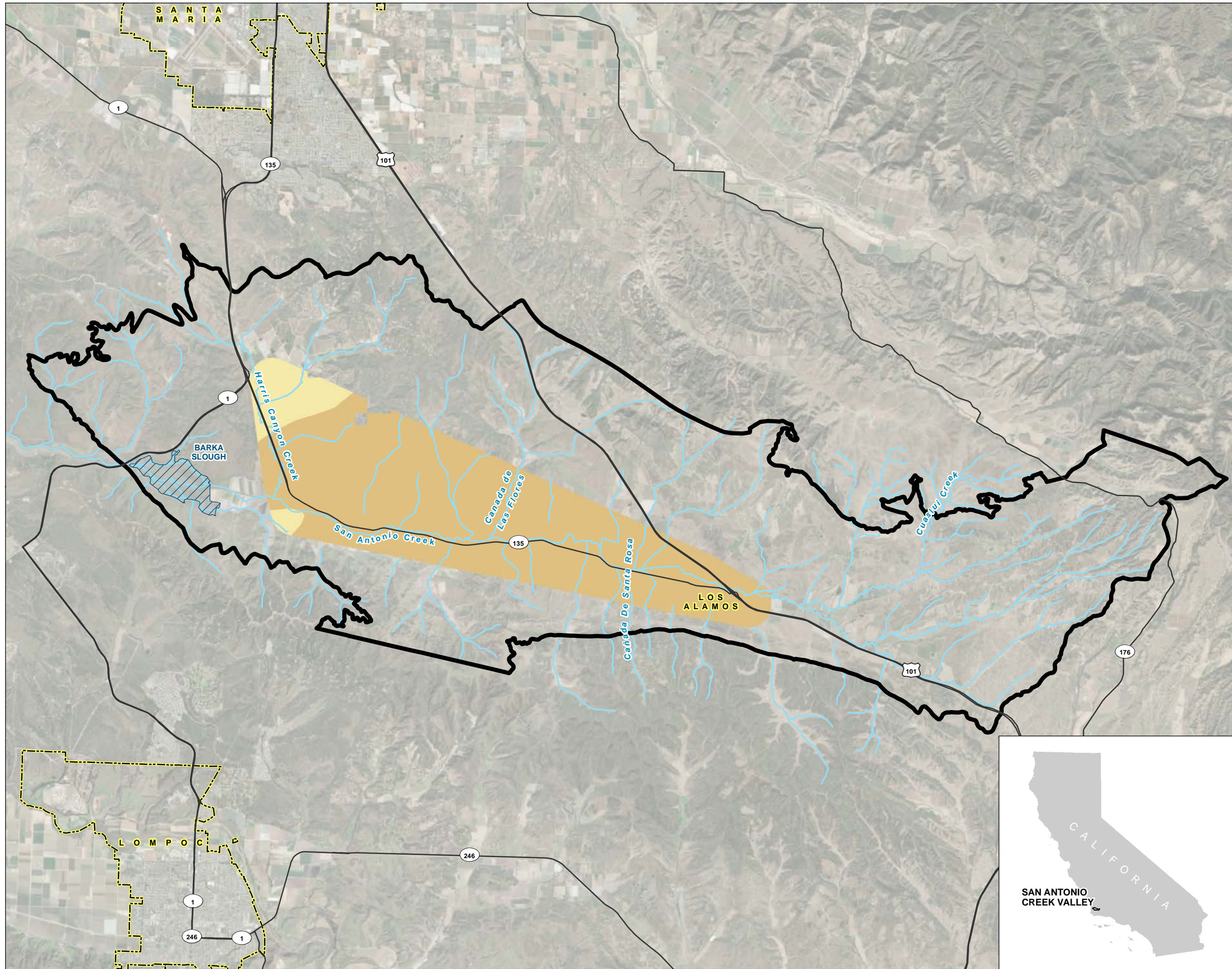
Paso Robles Formation groundwater elevation contour maps were generated from a well set located primarily along the axis of the valley, between Los Alamos and the Slough. Similarly, Careaga Sand groundwater elevation contours were generated from a well set located sparsely within the northern uplands and more densely in the Slough. Therefore, the degree of uncertainty is proportionate to the data density, 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 2022 (see Figure 14), a below normal precipitation year, shows that groundwater levels declined by 0 to 10 ft between Los Alamos, the Slough, and Harris Canyon. Groundwater elevations in Harris Canyon and east-southeast of the Slough, increased by 0 to 10 ft.

The Careaga Sand change in groundwater elevation map for water year 2022 (see Figure 15), a below normal precipitation year, shows that groundwater levels declined by 0 to 10 ft from north of Los Alamos to the Slough. Groundwater elevations in the northern Slough area to California State HWY 1 and in the central uplands, at the northern extent of Cañada de Las Flores, indicate a decrease of up to 30 ft.

**FIGURE 14**

**Paso Robles Formation  
Annual Change in  
Groundwater Elevation  
Fall 2021 to Fall 2022**  
Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin



**LEGEND**

Change in Groundwater Elevation (feet NAVD88)<sup>1</sup>

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

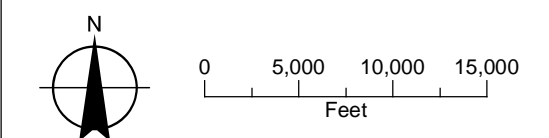
**All Other Features**

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin<sup>2</sup>
- 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

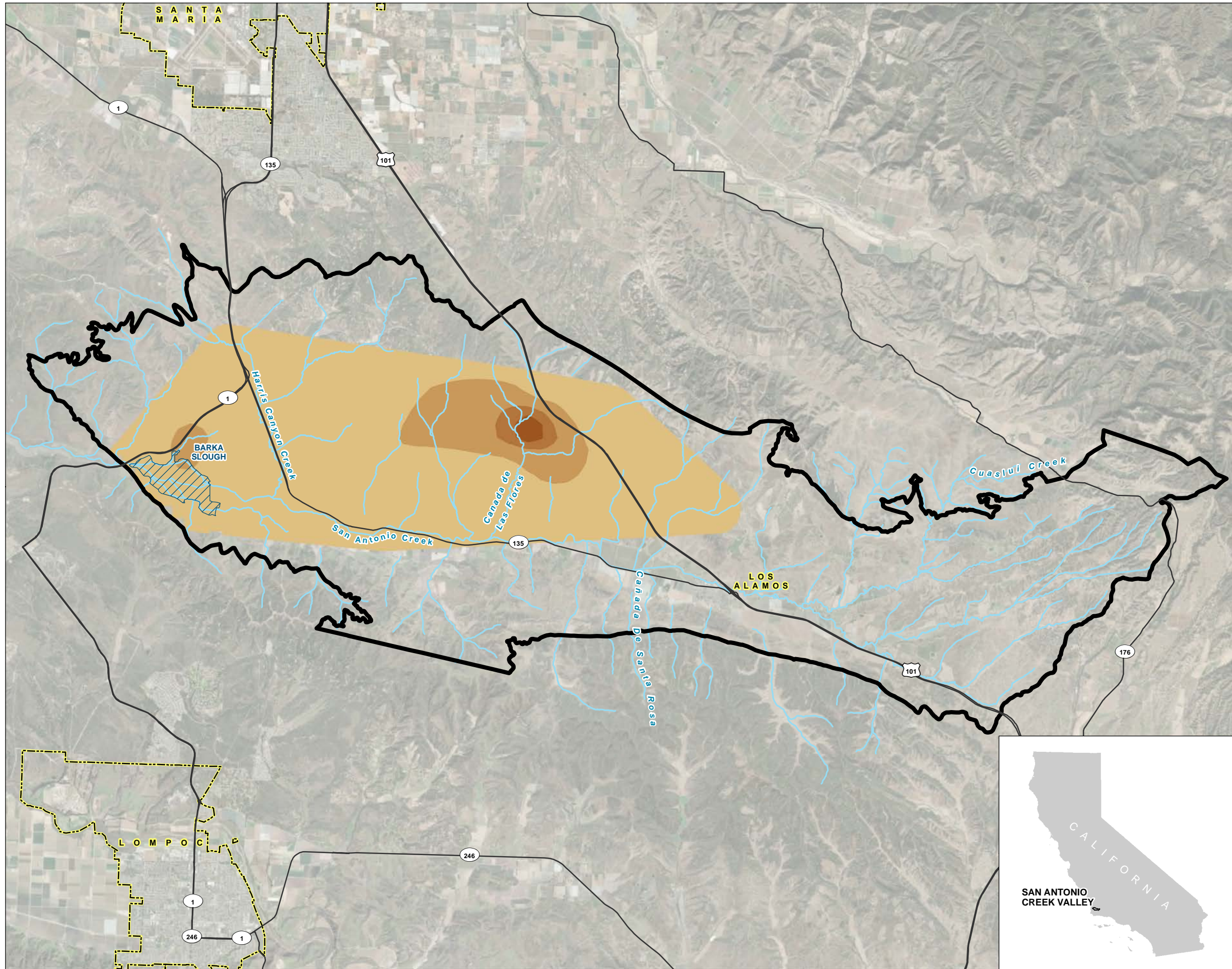


Date: February 20, 2023  
Data Sources: USGS (2020a), ESRI, DWR (2018), Maxar imagery (2020)



**FIGURE 15**

**Careaga Sand  
Annual Change in  
Groundwater Elevation  
Fall 2021 to Fall 2022**  
Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin



**LEGEND**

Change in Groundwater Elevation (feet NAVD88)<sup>1</sup>

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

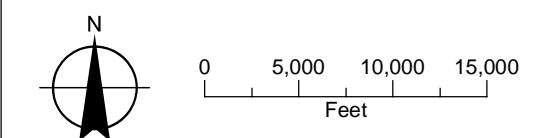
**All Other Features**

- San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin<sup>2</sup>
- 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: February 20, 2023  
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 (Figures 14 and 15) 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 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 2015 through 2022 are presented in Table 7. Annual and cumulative change in groundwater in storage since 1981 are presented on Figure 16.

**Table 7. Annual Changes in Groundwater in Storage**

Water Year	Paso Robles Formation (AF)	Careaga Sand (AF)	Total Annual Change in Groundwater in Storage <sup>1</sup> (AF)
2015	—	—	-26,400
2016	—	—	-23,600
2017	—	—	-2,900
2018	—	—	-23,700
2019	-15,400	-370	-15,800
2020	-18,800	-410	-19,200
2021	-20,500	-540	-21,000
2022	-14,900	-200	-15,100
Cumulative Change in Groundwater in Storage	-69,600	-1,520	-147,700

### Notes

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

Grey shading indicates a water year included in the historical water budget. A total annual change in groundwater in storage was calculated for the Basin during development of the Basin GSP per SGMA regulations.

— = not calculated

AF = acre-feet

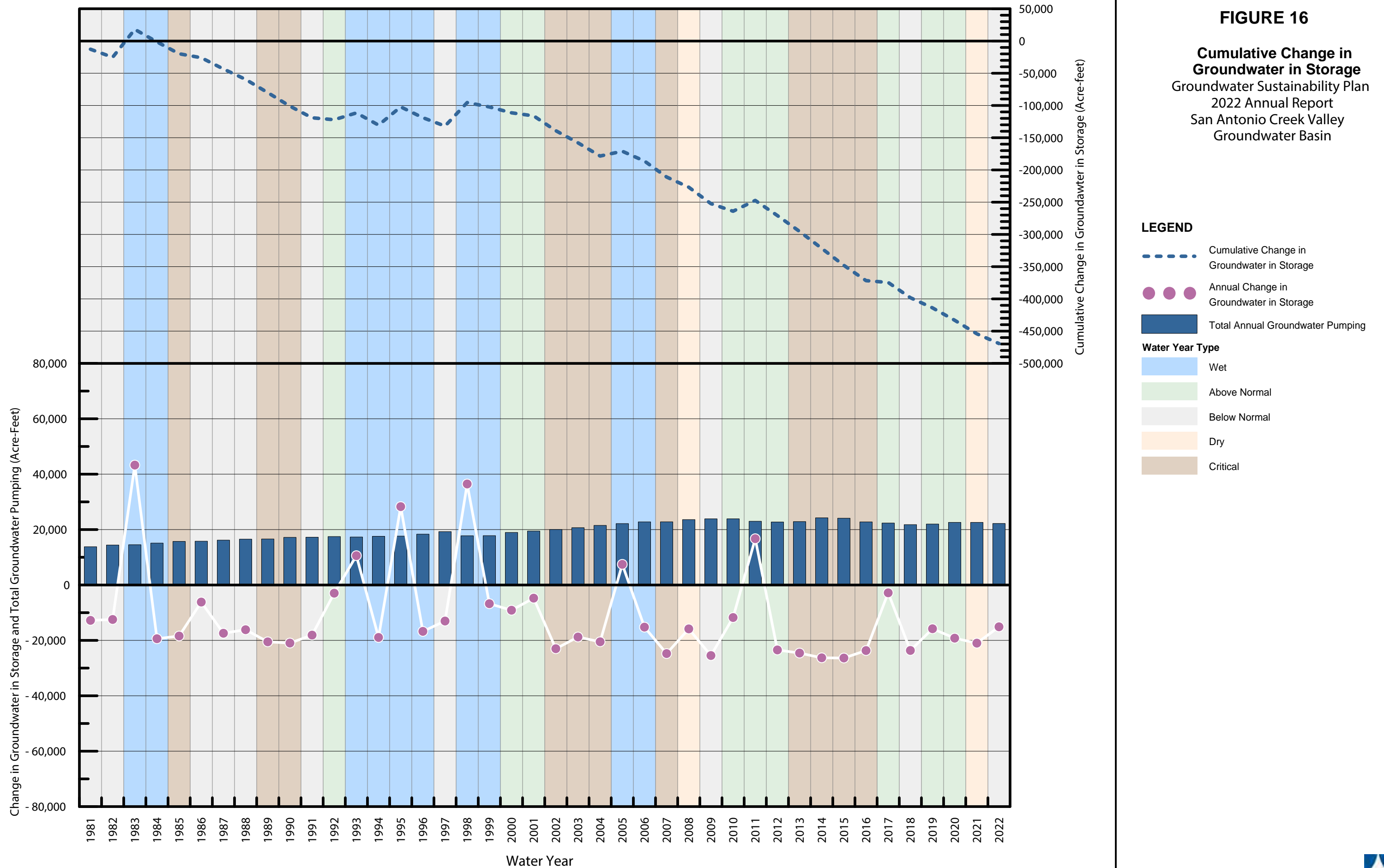
Basin = San Antonio Creek Valley Groundwater Basin

GSP = Groundwater Sustainability Plan

SGMA = Sustainable Groundwater Management Act

**FIGURE 16**

**Cumulative Change in Groundwater in Storage**  
Groundwater Sustainability Plan  
2022 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 year 2022.

### 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 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 committed to 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, 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.

### 7.3.1 Well Registration and Well Meter Installation/Extraction Measurement Program

The SABGSA has begun to develop a Well Registration and Well Meter Installation/Extraction Measurement Program. In February 2022, the SABGSA formed an Ad Hoc Committee—comprised of two members of the SABGSA Board of Directors, two members of the SABGSA Advisory Committee, 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. The program is being developed and implemented in two phases: (1) Well Registration and (2) Well Meter Installation/Extraction Measurement.

Phase 1 (Well Registration) is complete. The initial well registration program framework was reviewed and approved by the SABGSA Board of Directors at the September 20, 2022, Board of Directors' meeting. Following two consecutive public hearings held on October 18, 2022, and November 15, 2022, the SABGSA adopted Ordinance No. 2022-01 requiring all landowners within the Basin to complete a well registration form and file it with the SABGSA no later than March 31, 2023.

As outlined in the Basin GSP, the need for all groundwater production wells, including wells used by “de minimis” pumpers, to be registered with the SABGSA is identified as a Tier 1 Management Action and is a pre-cursor to the implementation of other projects and management actions vital to achieving sustainability. SABGSA's Well Registration program is intended to establish the location and type of each well located within the Basin and help the SABGSA gain an accurate count and a better understanding of the wells in active use. The SABGSA well registration form also queried landowners to identify which wells currently have meters and what type. This information is critical to designing a metering program that helps meet the practical needs of landowners while also facilitating groundwater sustainability.

The development of the initial framework for Phase 2 (Well Meter Installation/Extraction Measurement Program) is currently underway. Once the framework is established, the SABGSA Ad Hoc Committee plans to discuss and recommend specific policies and procedures to be considered and implemented by the SABGSA Board of Directors. There will be a series of community outreach and stakeholder engagement workshops conducted prior to adopting and implementing Phase 2.

The final 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.

### 7.3.2 Well Verification Policy

On July 19, 2022, the SABGSA adopted its Well Verification Policy established by Resolution No. 22-001. The SABGSA Well Verification Policy was designed to implement the new written verification requirements in Governor Newsom’s Executive Order N-7-22 and the Santa Barbara County Board of Supervisors Urgency Ordinance No. 5158 (County Urgency Ordinance) within the Basin. The SABGSA determined through Resolution No. 22-001 that it cannot issue a Well Verification for a New Well or Alteration of an Existing Well because the Basin GSP documents that the Basin is experiencing chronic lowering of groundwater levels and a reduction in groundwater in storage such that New Wells or Alteration of an Existing Wells would be inconsistent with the GSP. The Basin’s water budget, documented in the Basin GSP, indicates that the annual volume of groundwater extracted from the Basin (by pumping) has historically been greater than the Basin’s sustainable yield (the average annual change in groundwater in storage during the Basin’s historical water budget period [1981–2018] was a decrease of 10,600 AF) as defined in the Basin GSP. Therefore, a New Well or an Alteration of an Existing Well would result in additional groundwater extraction from the Basin above the baseline extraction amounts considered in the Basin GSP and contribute to chronic lowering of groundwater levels and a reduction in groundwater storage in the Basin.

Following a public hearing on August 16, 2022, the SABGSA Board adopted Resolution No. 22-002, which established a Well Verification Request Fee and the supporting scope of work required for SABGSA to process Well Verification Requests and issue Well Verifications consistent with the SABGSA’s Well Verification Policy (Resolution No. 22-001). To date, the SABGSA has not received any requests for Well Verification.

### 7.3.3 Sustainable Groundwater Management Grant Program

In December 2022, SABGSA applied for grant funding through DWR’s SGMA Round 2 Grant Program. The grant application requested funding to facilitate implementation of the following components:

- Monitoring, Maintenance, and Expansion of the Basin Monitoring Networks
- Survey and Investigate Potential GDEs in the Basin
- Water Use Efficiency Programs and LACSD Wellfield Pumping Coordination
- Groundwater Pumping Fee Program
- Aquifer Recharge Feasibility Study
- Annual GSP Reporting
- Grant Administration
- Groundwater Base Pumping Allocation Program

### 7.3.4 Santa Barbara County Public Works Department Well Metering Assistance Program

Santa Barbara County Public Works Department has implemented a Well Metering Assistance Program (WMAP)<sup>22</sup> 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 2022 Annual Report indicates that groundwater trends are consistent with conditions reported in the first Annual Report (water year 2021) and 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 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. 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 EPA, 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

<sup>22</sup> 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.>

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. No minimum thresholds have been established for contaminants because state regulatory agencies, including the RWQCB and the Department of Toxic Substances Control, have the responsibility and authority to regulate and direct actions that address contamination (see Section 4.8 of GSI and GEI, 2021). The WQOs for salt and nutrients are the minimum thresholds for TDS, chloride, sulfate, boron, sodium, and nitrate as measured by SWRCB ILRP and DDW programs in 20 percent of wells monitored. In cases where the ambient (prior to January 2015) water quality exceeds the WQO, the minimum threshold concentration is 110 percent of the ambient water quality in 20 percent of the wells.

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 (GSI and GEI, 2021).

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 year 2022 was obtained through the SWRCB GAMA Groundwater Information System (GAMA-GIS).<sup>23</sup> Average concentrations, by well and COC, were further categorized as pre-SGMA enactment (2015), post-SGMA (2015 to last measured), and water year 2022. Based on the GAMA-GSI, sulfate and TDS were the only two COCs with average concentrations that exceeded the respective WQO or SMCL during water year 2022. Average sulfate concentrations exceeded the WQO (150 milligrams per liter) in a total of four wells (two municipal wells, one domestic well, and one irrigation supply well). Average TDS concentrations exceeded the WQO (600 milligrams per liter) and SMCL (1,000 milligrams per liter) in 15 and 2 wells (2 irrigation supply wells), respectively. No COCs were detected at concentrations exceeding the respective MCL during water year 2022.

Based on data from the SWRCB ILRP, average nitrate concentrations were reported at concentrations exceeding the respective MCL (10 milligrams per liter) in two domestic supply wells since enactment of SGMA. Average concentrations of chloride (in 1 well), sulfate (in 1 wells), and TDS (in 7 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 31 wells), and TDS (in 39 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

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<sup>23</sup> The GAMA Groundwater Information System is available at <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>. (Accessed January 26, 2023.)

concentrations of sodium, sulfate, and TDS increased. Similarly, the maximum reported average concentration for COCs increased for sulfate and TDS during the post-SGMA period compared to the pre-SGMA period. The GAMA-GSI did not indicate any DEHP groundwater analytical data for the post-SGMA 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).<sup>24</sup> The USGS, in cooperation with the SWRCB, initiated the COGG Program in 2015.<sup>25</sup> 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). Groundwater quality data reports have been published for the Orcutt Oil Field as part of the COGG Program; however, interpretation of the published data for Orcutt Oil Field, and data results for the other eight oil gas fields are not yet available for review, as of the submission 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 (i.e., 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 year 2022 (see Appendix F for UNAVCO CGPS Station ORES displacement data). According to the DWR InSAR annual raster data for water year 2022, total land subsidence that occurred in the Basin ranged from -0.1 to +0.1 ft.<sup>26</sup> See Figure 8 for total land subsidence in the Basin according to DWR InSAR total raster data (period of record available for the methodology is June 2015 through to October 2022) and the location of the UNAVCO CGPS Station ORES. The accuracy range of the InSAR measured subsidence is 0.1 ft (Montgomery & Associates, 2020).

## 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

<sup>24</sup> The tool is available at <https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx>. (Accessed January 12, 2022.)

<sup>25</sup> Description available at <https://webapps.usgs.gov/cogg/>. (Accessed January 12, 2022.)

<sup>26</sup> DWR provided InSAR and UNAVCO CGPS subsidence data is available at <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub>. (Accessed January 2, 2023.)

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; Cromwell et al., 2022). Planned additional analysis of these areas are described in Section 6 of the Basin GSP.

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 (USGS Monitoring Location 11136100; see Figure 1). 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 year 2022 was 0.00 cfs (recorded September 12, 2022).<sup>27</sup> Summaries of stream flow measurements collected from the Casmalia stream gage for water year 2022 are included in Appendix G.

#### 7.4.4 Summary of Changes in Basin Conditions

None of the RMS wells with an observed decrease in groundwater levels exhibit groundwater elevations at or below the minimum threshold established in the Basin GSP. Precipitation for water year 2022 was below normal and groundwater elevation trends in RMSs generally indicate a continued decreasing trend. Six of the RMS wells were not measured during this reporting period. Five of the six wells were not measured due to access limitations.<sup>28</sup> The remaining one well was not measured due to the recurrence of sounding equipment becoming stuck in the well. Groundwater level monitoring at the well is planned to resume pending the installation of a sounding tube.

Calculated groundwater in storage in the Basin decreased by approximately 15,100 AF from the end of water year 2021 through the end of water year 2022. Although the calculated volume of groundwater extractions (by pumping) for agricultural demand decreased by approximately 2,200 AF for the 2022 water year compared to the 2021 water year, the measured volume of VSFb pumping increased by approximately 1,890 AF (likely due to reduced allocation deliveries of SWP water from the Central Coast Water Authority). 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.

<sup>27</sup> As of this reporting, available stream flow data at the Casmalia stream gage for May 10, 2022 through September 30, 2022 is categorized as provisional by the USGS. Casmalia stream gage data is available at <https://waterdata.usgs.gov/monitoring-location/11136100/#parameterCode=00065&period=P7D>. (Accessed January 2, 2023.)

<sup>28</sup> 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 Basin GSP (GSI and GEI, 2021).

## 7.4.5 Summary of Impacts of Projects and Management Actions

Due to the short duration of time between the adoption of the Basin GSP and the submittal of this Annual Report, additional time is necessary to continue 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 Basin GSP.

## SECTION 8: References

### 8.1 Text References

- Abatzoglou, J.T. 2013. "Development of Gridded Surface Meteorological Data for Ecological Applications and Modelling." *International Journal of Climatology*, 33: 121–131.
- Battany, M. 2019. An Initial Estimate of a Water Duty Factor for Field-Grown CBD Hemp in the Paso Robles Area. The University of California, working in cooperation with San Luis Obispo County and the U.S. Department of Agriculture. April 22, 2019.
- Carlson, J. 2019. *Investigation of Pervasive Clay Layers and Their Effect on Groundwater Flow Using Electrical Resistivity Tomography in the San Antonio Groundwater Basin*. San Luis Obispo: California Polytechnic State University. June 2019.
- County of Santa Barbara Public Works Department. No date. Daily Rainfall Data (XLS). Available at <https://www.countyofsb.org/2328/Daily-Rainfall-Data-XLS>. (Accessed January 2, 2023.)
- CRCD. 2003. *San Antonio Creek Coordinated Resource Management Plan*. Prepared for the Central Coast Regional Water Quality Control Board. Prepared by the Cachuma Resource Conservation District (CRCD). December 2003.
- Cromwell, G., D.S. Sweetkind, J.N. Densmore, J.A. Engott, W.A. Seymour, J.D. Larsen, C.P. Ely, C.L. Stamos, and C.C. Faunt. 2022. *Hydrogeologic Characterization of the San Antonio Creek Valley Watershed, Santa Barbara County, California*. U.S. Geological Survey Scientific Investigations Report 2022–5001, 124 p. Available at: <https://doi.org/10.3133/sir20225001>.
- Davis, T., M. Landon, and G. Bennett. 2018. *Prioritization of Oil and Gas Fields for Regional Groundwater Monitoring Based on Preliminary Assessment of Petroleum Resource Development and Proximity to California's Groundwater Resources*. Scientific Investigation Report 2018-5065.
- DWR. 2003. *California's Groundwater, Working Toward Sustainability: Bulletin 118, Central Coast Hydrologic Region, San Antonio Creek Valley Groundwater Basin*. Prepared by California Department of Water Resources (DWR).
- DWR. 2016a. *BMP 1 Monitoring Protocols Standards and Sites*. Prepared by California Department of Water Resources (DWR).
- DWR. 2016b. *BMP 2 Monitoring Networks and Identification of Data Gaps*. Prepared by California Department of Water Resources (DWR).
- DWR. 2018a. *Bulletin 118 Description for 3-014 San Antonio Creek Valley*. Prepared by the California Department of Water Resources.
- DWR. 2018b. Layer: i15\_Crop\_Mapping\_2018 (ID: 0). California Department of Water Resources. Available at [https://www.arcgis.com/home/webmap/viewer.html?url=https%3A%2F%2Fgis.water.ca.gov%2Farcgis%2Frest%2Fservices%2FPlanning%2Fi15\\_Crop\\_Mapping\\_2018%2FfeatureServer&source=sd](https://www.arcgis.com/home/webmap/viewer.html?url=https%3A%2F%2Fgis.water.ca.gov%2Farcgis%2Frest%2Fservices%2FPlanning%2Fi15_Crop_Mapping_2018%2FfeatureServer&source=sd). (Accessed January 2, 2023).
- DWR. 2021. *Sustainable Groundwater Management Act Water Year Type Dataset Development Report*. California Department of Water Resources (DWR) Sustainable Groundwater Management Office. January 2021.
- DWR. 2023. California Irrigation Management Information System. Available at <https://cimis.water.ca.gov/SpatialData.aspx>. (Accessed January 2, 2023.)

- FAO. 1989. Irrigation Water Management: Irrigation Scheduling - Annex I: Irrigation Efficiencies. Prepared by the Food and Agriculture Organization of the United Nations. Available at <https://www.fao.org/3/t7202e/t7202e08.htm>.
- GAMA. 2023. Groundwater Ambient Monitoring and Assessment (GAMA) Program Basin-Specific Data Download for the San Antonio Creek Valley Groundwater Basin. Available at <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>. (Accessed January 26, 2023.)
- GSI and GEI. 2021. *San Antonio Creek Valley Groundwater Basin Groundwater Sustainability Plan*. Prepared for San Antonio Basin Groundwater Sustainability Agency. Prepared by GSI Water Solutions, Inc. and GEI Consultants, Inc. December 16, 2021.
- GSI. 2022. *San Antonio Creek Valley Groundwater Basin Groundwater Sustainability Plan 2021 Annual Report*. Prepared for San Antonio Basin Groundwater Sustainability Agency. Prepared by GSI Water Solutions, Inc. March 23, 2022.
- Hutchinson, C. B. 1980. *Appraisal of Ground-Water Resources in the San Antonio Creek Valley, Santa Barbara County, California*. U.S. Geological Survey Open-File Report 80-750.
- Martin, P. 1985. *Development and Calibration of a Two-Dimensional Digital Model for the Analysis of the Ground-Water Flow System in the San Antonio Creek Valley, Santa Barbara County, California*. U.S. Geological Survey Water-Resources Investigations Report 84-4340.
- Martin, E.C. 2011. *Determining the Amount of Irrigation Water Applied to a Field*. Arizona Cooperative Extension, The University of Arizona – College of Agriculture and Life Sciences. Arizona Water Series No. 29. AZ1157.
- Montgomery & Associates. 2020. *Paso Robles Subbasin Groundwater Sustainability Plan*. Prepared for the Paso Robles Subbasin Cooperative Committee and the Groundwater Sustainability Agencies. Prepared by Montgomery & Associates. January 31, 2020.
- Muir, K. 1964. *Geology and Ground-Water of San Antonio Creek Valley, Santa Barbara County, California*. U.S. Geological Survey Water-Supply Paper 1664, 53 p.
- OpenET. 2022. OpenET, Filling the Biggest Data Gap in Water Management. Available at <https://openetdata.org/>. (Accessed February 14, 2023.)
- OpenET. 2023. OpenET ensemble model results of monthly evapotranspiration of Land IQ, 2022 for the 2022 water year. Prepared by OpenET.
- RWQCB. 2019. *Water Quality Control Plan for the Central Coastal Basin, June 2019 Edition*. California Environmental Protection Agency. Central Coast Regional Water Quality Control Board.
- SABWD. 2021. Email from Donna Glass, San Antonio Water District, Re: San Antonio Basin Water District – Assessment of Irrigated Acres, to Michael McAlpin, GSI Water Solutions, Inc. December 8, 2021.
- SWRCB. 2018a. Secondary Drinking Water Standards. Revised October 1, 2018. Available at [https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/documents/ddw\\_secondary\\_standards.pdf](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/ddw_secondary_standards.pdf). (Accessed January 12, 2022).
- SWRCB. 2018b. Maximum Contaminant Levels and Regulatory Dates for Drinking Water, U.S. EPA vs California. Last updated October 2018. Available at [https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/documents/ccr/mcls\\_epa\\_vs\\_dwp.pdf](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/ccr/mcls_epa_vs_dwp.pdf). (Accessed January 2, 2023).



- SYRWCD. 2010. Groundwater Production Information and Instructions Pamphlet. Prepared by the Sant Ynez River Water Conservation District. June 2010.
- USGS. 2023. San Antonio C NR Casmalia CA. National Water Information System. 2 January 2023, USGS, <https://waterdata.usgs.gov/monitoring-location/11136100/#parameterCode=00065&period=P7D>. Accessed January 2, 2023.
- Tetra Tech. 2010. *Assessment of Groundwater Availability on the Santa Ynez Chumash Reservation*. March.
- Woolfenden, L.R., J.A. Engott, J.D. Larsen, G. and Cromwell, G. 2022. *Simulation of Groundwater and Surface-Water Resources of the San Antonio Creek Valley Watershed, Santa Barbara County, California*. U.S. Geological Survey Scientific Investigations Report 2021–5139, 76 p. Available at: <https://doi.org/10.3133/sir20215139>.

## 8.2 Figure References

- County of Santa Barbara Public Works Department. No date. Daily Rainfall Data (XLS). Available at <https://www.countyofsb.org/2328/Daily-Rainfall-Data-XLS>. (Accessed January 2, 2023.)
- Diblee, T.W., Jr. and H.E. Ehrenspeck. 1989. Geologic Map of the Casmalia and Orcutt Quadrangles, Santa Barbara County, California. 1:24,000. Dibblee Foundation Map DF-24. Dibblee Geological Foundation.
- Diblee, T.W., Jr. and H.E. Ehrenspeck. 1993a. *Geologic Map of the Zaca Creek Quadrangle, Santa Barbara County, California*. 1:24,000. Dibblee Foundation Map DF-45. Dibblee Geological Foundation.
- Diblee, T.W., Jr. and H.E. Ehrenspeck. 1993b. *Geologic Map of the Los Alamos Quadrangle, Santa Barbara County, California*. 1:24,000. Dibblee Foundation Map DF-46. Dibblee Geological Foundation.
- Diblee, T.W., Jr., H.E. Ehrenspeck, and W.L. Bartlett. 1994. *Geologic Map of the Sisquoc Quadrangle, Santa Barbara County, California*. 1:24,000. Dibblee Foundation Map DF-53. Dibblee Geological Foundation.
- DWR. 2018. *3-014 San Antonio Creek Valley Basin Boundaries*. Prepared by the California Department of Water Resources.
- DWR. 2023. SGMA Data Viewer. Retrieved from California Department of Water Resources, SGMA Portal: <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub>. (Accessed January 2, 2022.)
- GAMA. 2023. Groundwater Ambient Monitoring and Assessment (GAMA) Program Basin-Specific Data Download for the San Antonio Creek Valley Groundwater Basin. Available at <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>. (Accessed January 26, 2023.)
- Land IQ. 2022. Land use layer for the San Antonio Creek Valley Groundwater Basin, with crop types, and acreages for the 2022 water year. Prepared by Land IQ.
- Maxar. 2020. Base Maps for California. Provided by Maxar Imagery.
- USGS. 2020a. The National Map, Data Download and Visualization Services. NHDPlus High Resolution Data Model v1.0. Provided by the U.S. Geological Survey. Available at <https://www.usgs.gov/media/files/nhdplus-high-resolution-data-model-v10>. (Accessed January 2, 2023.)
- USGS. 2020b. *San Antonio Creek Geohydrologic Framework Model*. Prepared by the U.S. Geological Survey (USGS). Available at <https://ca.water.usgs.gov/projects/san-antonio-creek/san-antonio-creek-geologic-hydrologic-model.html>. (Accessed January 2, 2023.)

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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 08-31-2022

#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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
204	1919	1918	9	13	0.03	
204	1919	1918	9	14	0.05	
204	1919	1918	9	27	0.12	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
204	1947	1947	3	2	0.05	
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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
204	1954	1954	1	20	1.24	
204	1954	1954	1	23	0.03	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
204	1981	1981	3	14	0.13	
204	1981	1981	3	19	0.14	
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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
204	1988	1987	11	5	0.65	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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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	
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204	2010	2010	2	21	0.17	
204	2010	2010	2	22	0.05	
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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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
204	2013	2012	11	10	0.06	
204	2013	2012	11	16	0.01	
204	2013	2012	11	17	0.47	
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	
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	



station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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	

station id	water year	year	month	day	daily rain	code
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	
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	
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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	

station id	water year	year	month	day	daily rain	code
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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	
204	2020	2019	11	20	0.05	
204	2020	2019	11	23	0.01	
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204	2020	2019	11	29	0.11	
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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	
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204	2020	2020	1	10	0.08	
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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	
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204	2020	2020	3	10	0.05	
204	2020	2020	3	11	1.29	
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204	2020	2020	3	26	0.05	
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204	2020	2020	4	17	0.01	
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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	
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station id	water year	year	month	day	daily rain	code
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204	2021	2020	11	7	0.27	
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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	
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204	2021	2020	12	28	0.84	
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204	2021	2021	1	24	0.01	
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204	2021	2021	1	27	0.51	
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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	
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204	2021	2021	3	5	0.01	
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204	2022	2021	12	6	0.01	
204	2022	2021	12	9	0.01	
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204	2022	2021	12	23	0.55	
204	2022	2021	12	24	1.13	
204	2022	2021	12	25	0.04	
204	2022	2021	12	26	0.74	
204	2022	2021	12	27	0.01	
204	2022	2021	12	28	0.32	
204	2022	2021	12	29	0.02	
204	2022	2021	12	30	0.03	
204	2022	2021	12	31	0.22	
204	2022	2022	1	1	0.01	
204	2022	2022	1	4	0.01	
204	2022	2022	1	7	0.02	
204	2022	2022	1	8	0.01	
204	2022	2022	1	10	0.01	
204	2022	2022	1	16	0.01	
204	2022	2022	1	18	0.08	
204	2022	2022	1	19	0.01	
204	2022	2022	1	20	0.01	

station id	water year	year	month	day	daily rain	code
204	2022	2022	2	21	0.01	
204	2022	2022	2	22	0.01	
204	2022	2022	2	23	0.05	
204	2022	2022	3	5	0.02	
204	2022	2022	3	6	0.01	
204	2022	2022	3	20	0.06	
204	2022	2022	3	21	0.01	
204	2022	2022	3	28	1.25	
204	2022	2022	3	29	0.70	
204	2022	2022	4	16	0.01	
204	2022	2022	4	18	0.01	
204	2022	2022	4	22	0.33	
204	2022	2022	8	31	0.00	

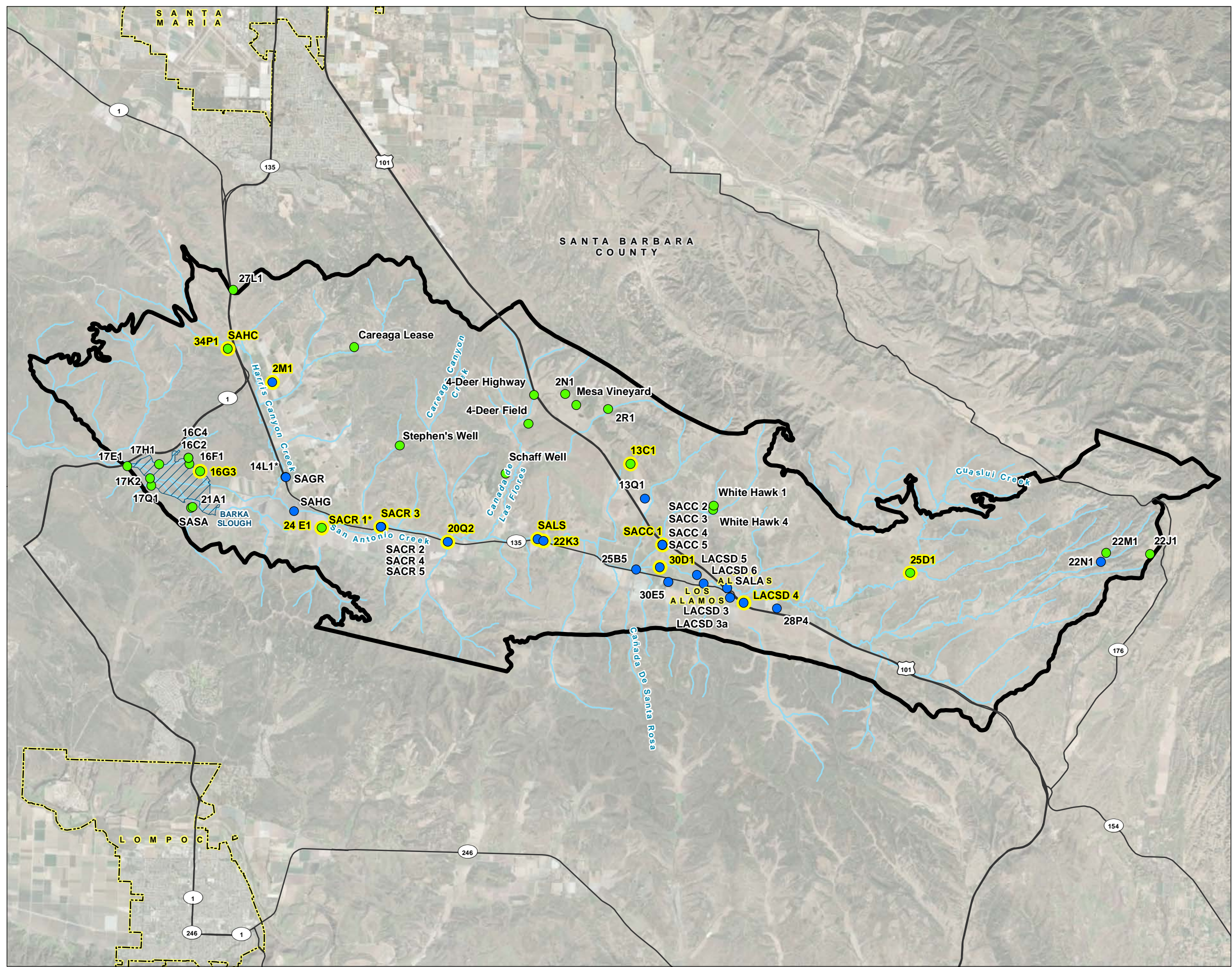
## APPENDIX C

Representative Monitoring Site Hydrographs and Well Data



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**Wells Included in the  
San Antonio Creek Valley  
Groundwater Basin  
Groundwater Monitoring Network  
Groundwater Sustainability Plan  
2022 Annual Report  
San Antonio Creek Valley  
Groundwater Basin**



**LEGEND**

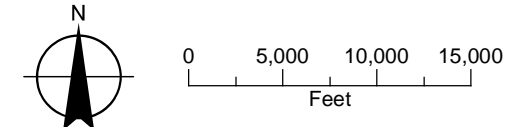
- Representative Well
- Wells (by screened aquifer)**
- Paso Robles Formation
- Careaga Sand
- All Other Features**
- ~ San Antonio Creek or Tributary
- Major Road
- San Antonio Creek Valley Groundwater Basin
- Barka Slough
- City Boundary

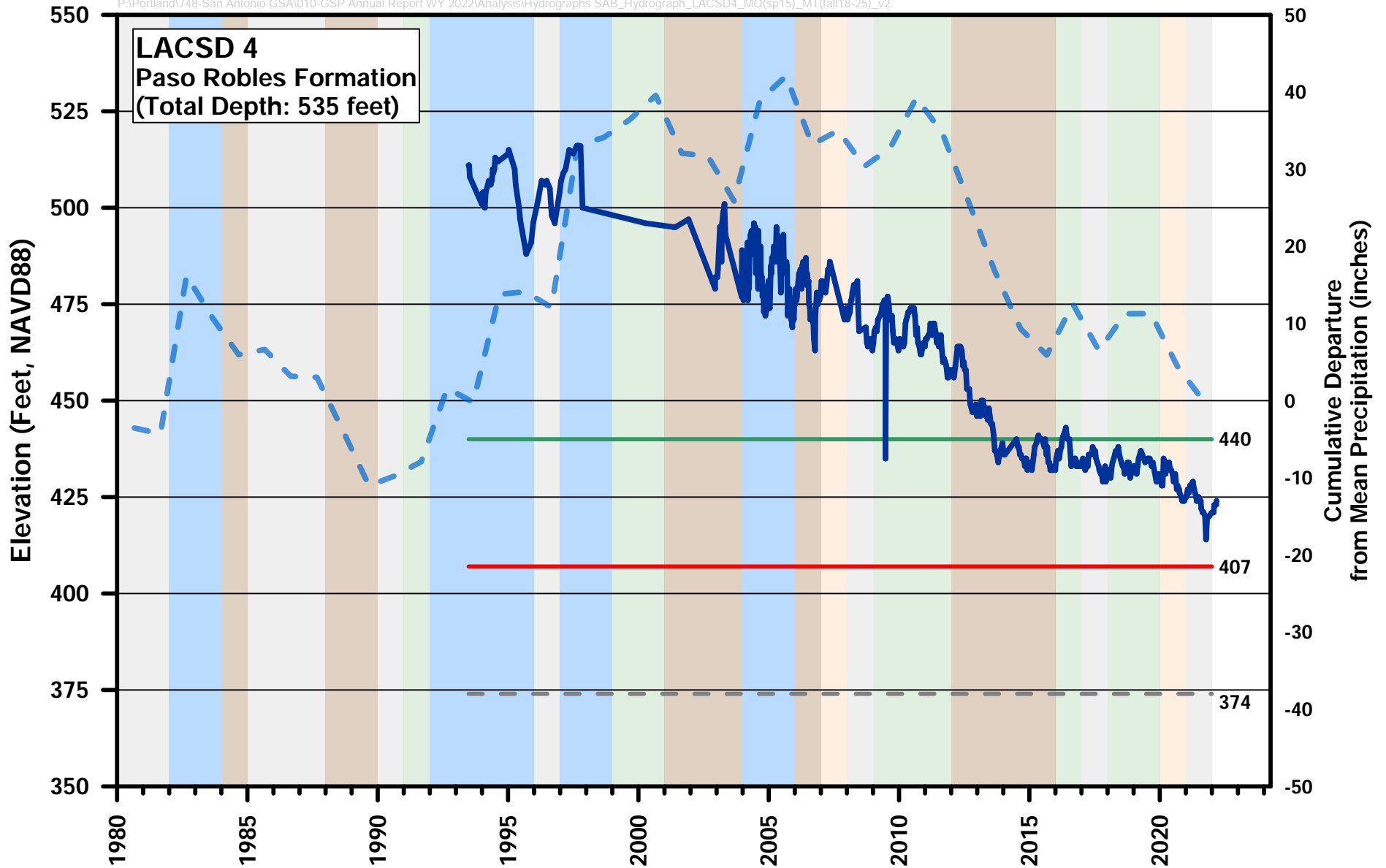


**NOTES**

\*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.





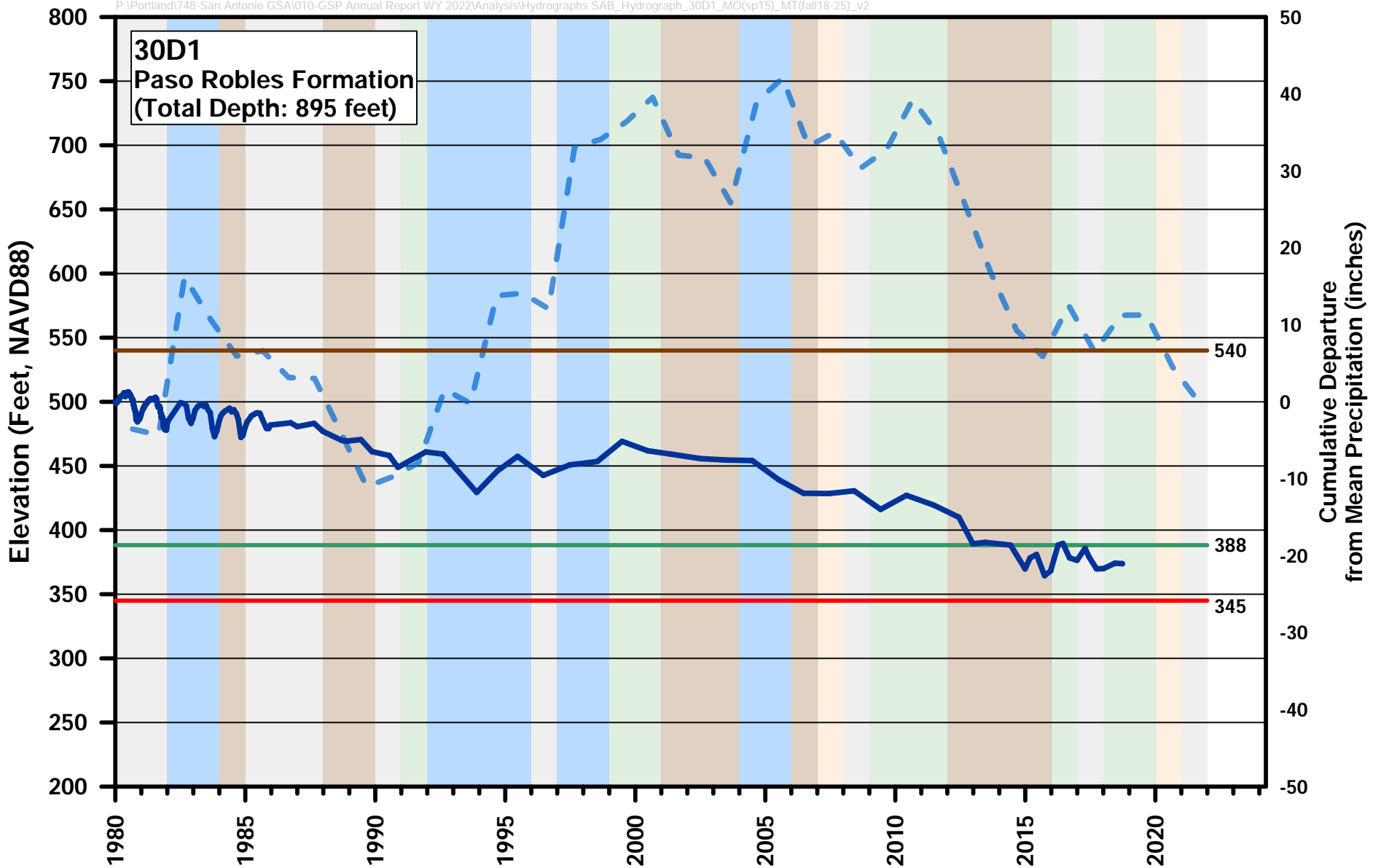
**EXPLANATION**

- Groundwater Elevation
- - - Cumulative Departure from Mean Precipitation
- Measureable Objective
- Minimum Threshold
- - - Top of Perforated Interval

**WATER YEAR TYPE**

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





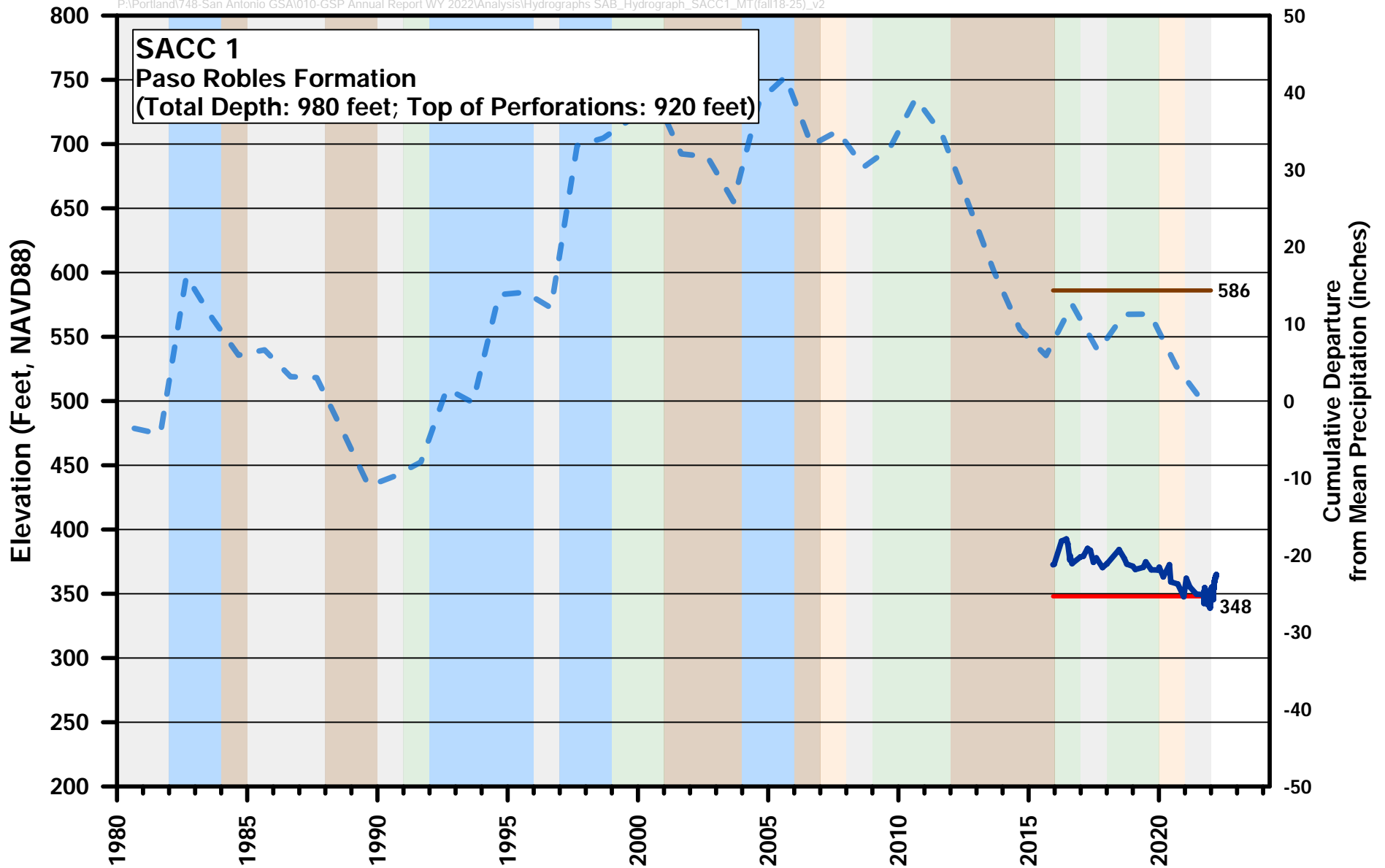
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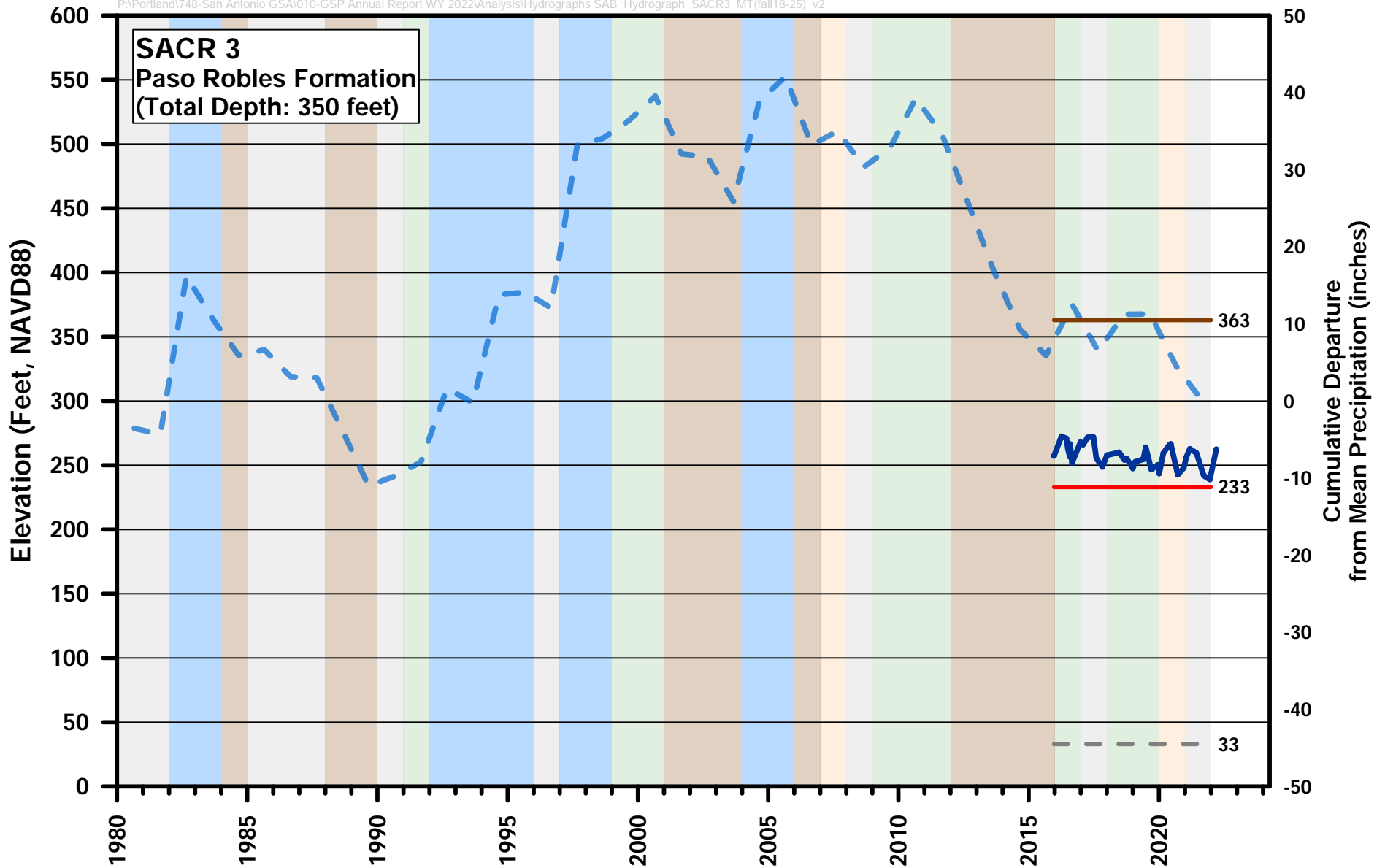
- Groundwater Elevation
- - - Cumulative Departure from Mean Precipitation
- Ground Surface Elevation
- Measureable Objective
- Minimum Threshold

**WATER YEAR TYPE**

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







**EXPLANATION**

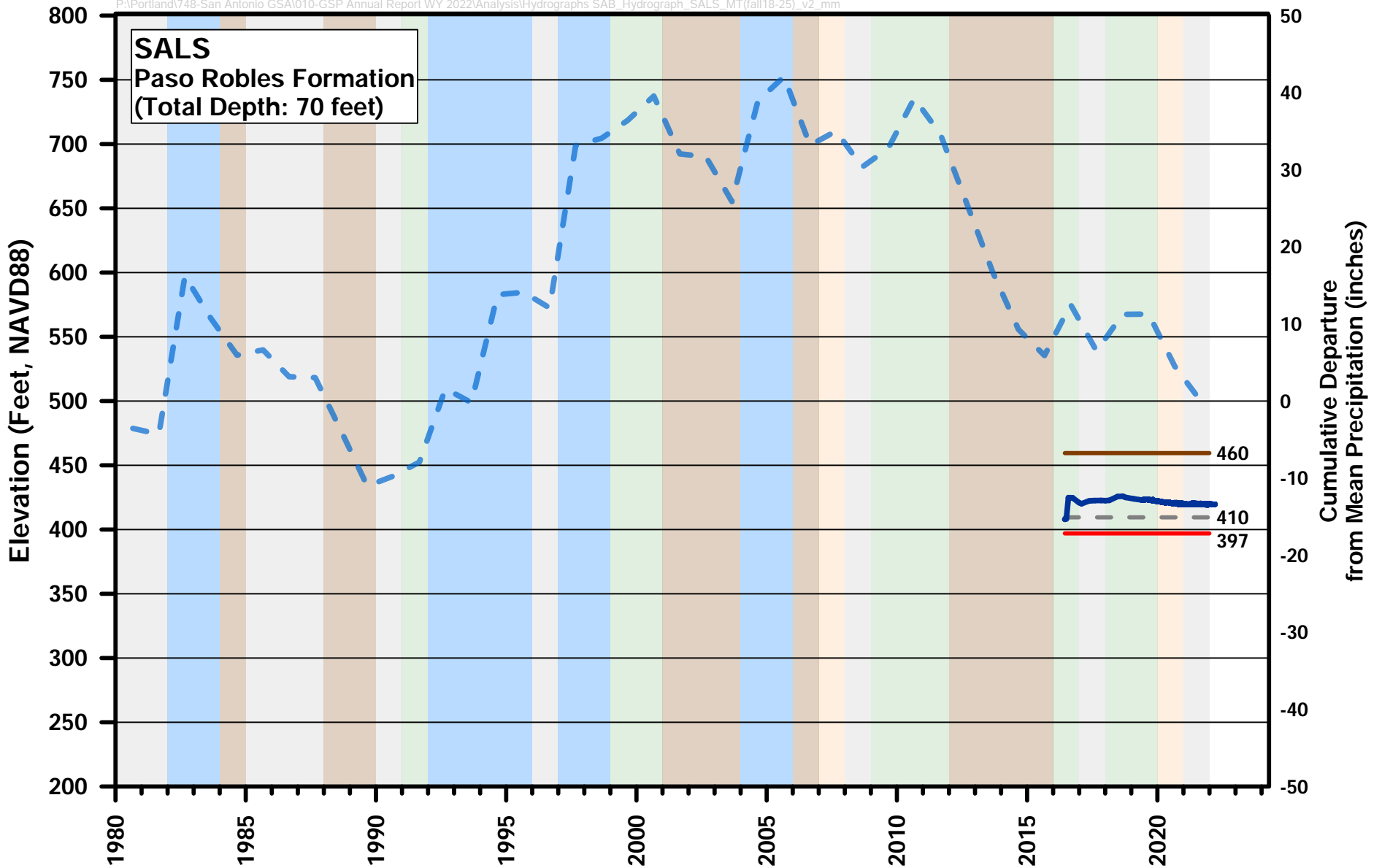
- Groundwater Elevation
- - - Cumulative Departure from Mean Precipitation
- Ground Surface Elevation
- Minimum Threshold
- - - Top of Perforated Interval

**WATER YEAR TYPE**

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



Groundwater Elevation Hydrograph  
San Antonio Creek Valley Groundwater Basin



**EXPLANATION**

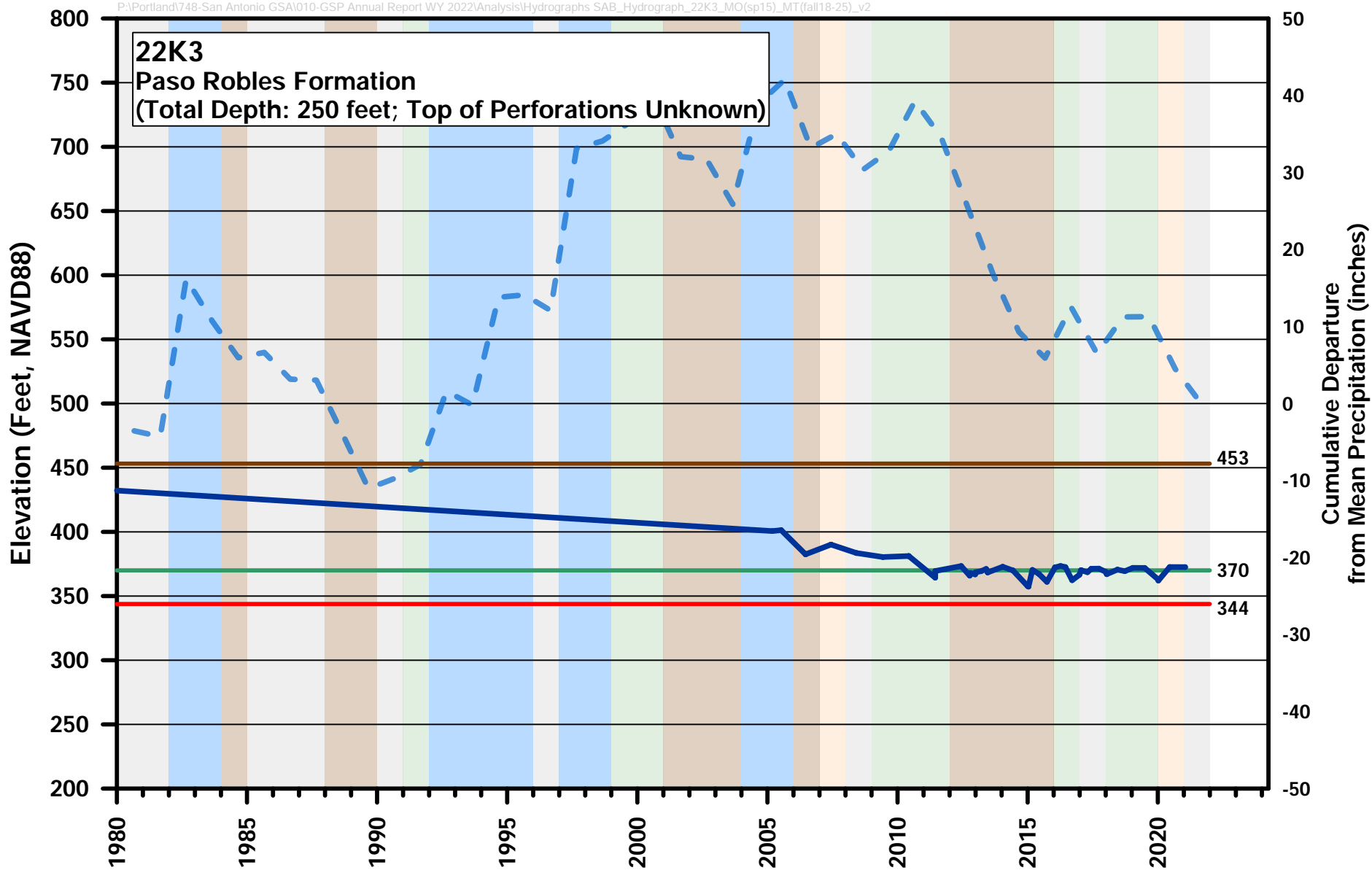
- Groundwater Elevation
- - - Cumulative Departure from Mean Precipitation
- Ground Surface Elevation
- Minimum Threshold
- - - Top of Perforated Interval

**WATER YEAR TYPE**

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



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



**EXPLANATION**

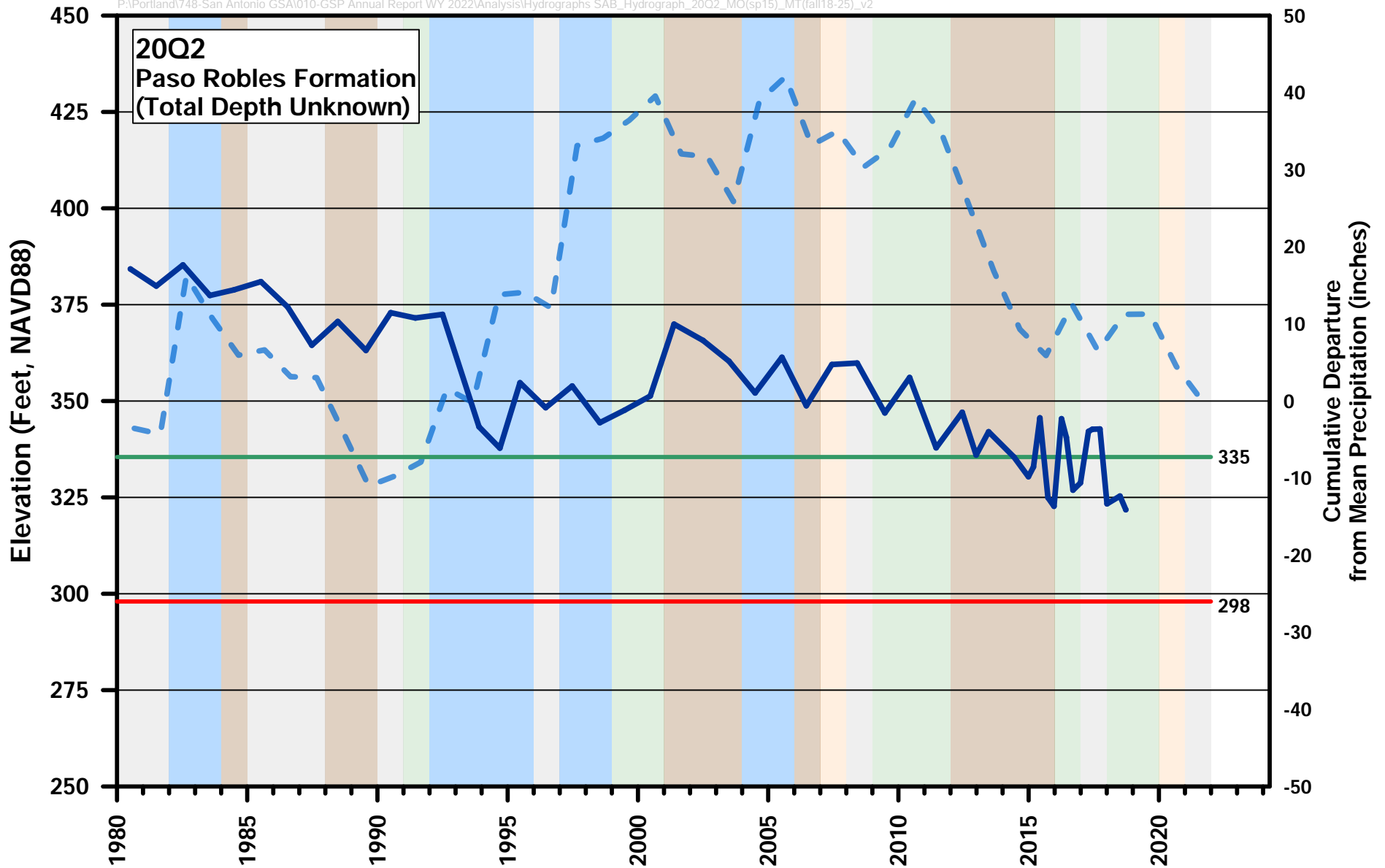
- Groundwater Elevation
- - - Cumulative Departure from Mean Precipitation
- Ground Surface Elevation
- Measureable Objective
- Minimum Threshold

**WATER YEAR TYPE**

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







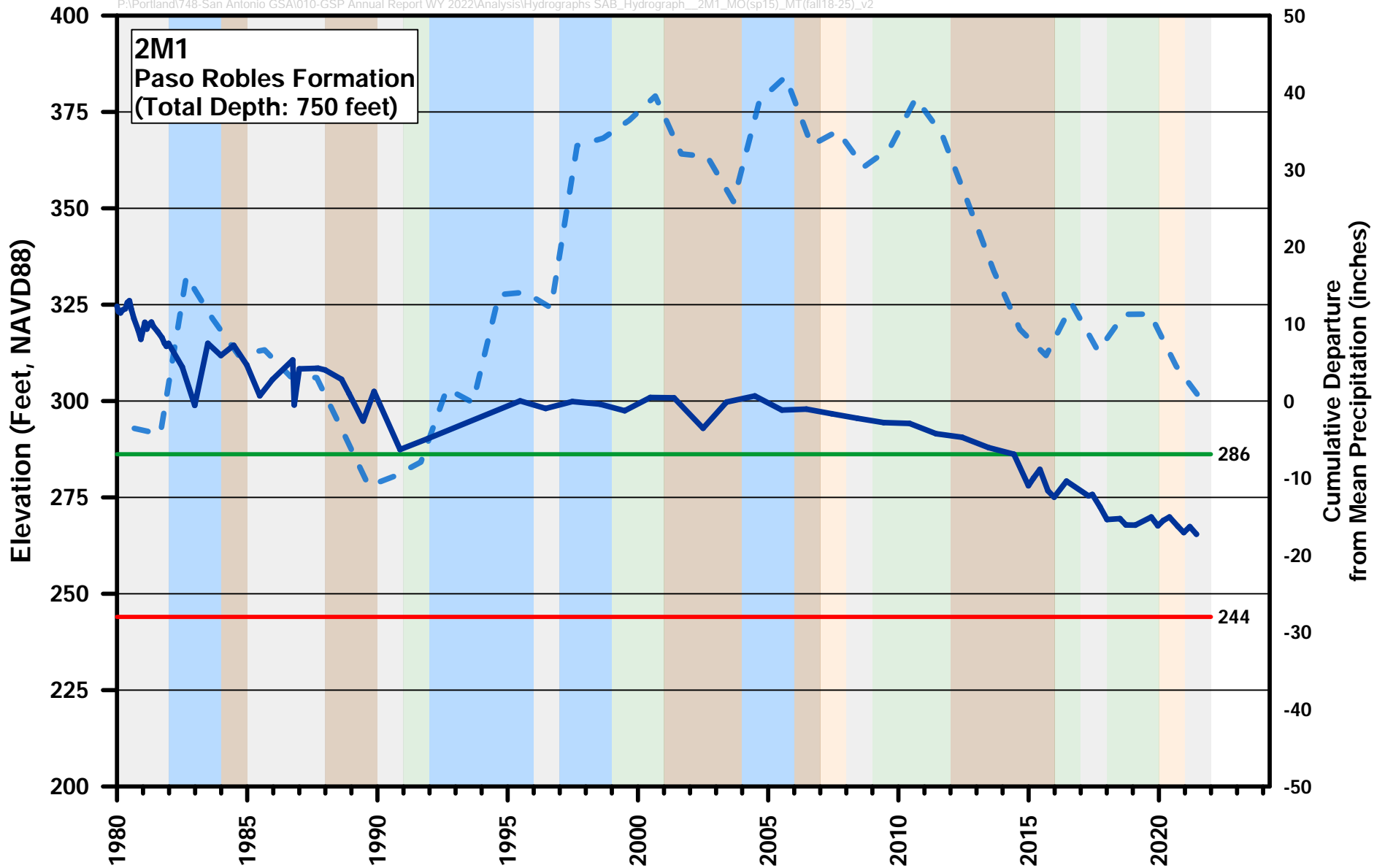
**EXPLANATION**

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

**WATER YEAR TYPE**

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





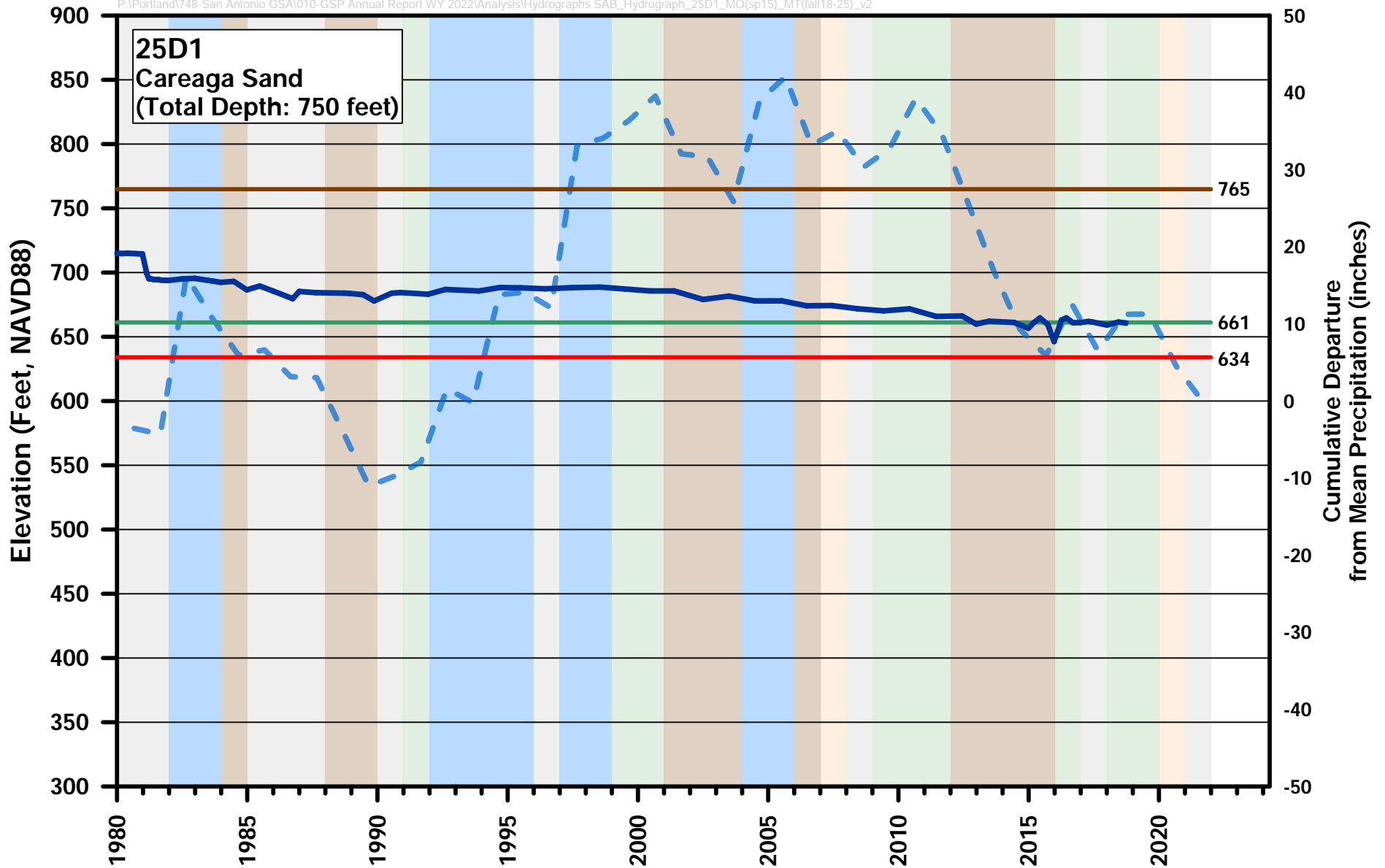
**EXPLANATION**

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

**WATER YEAR TYPE**

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





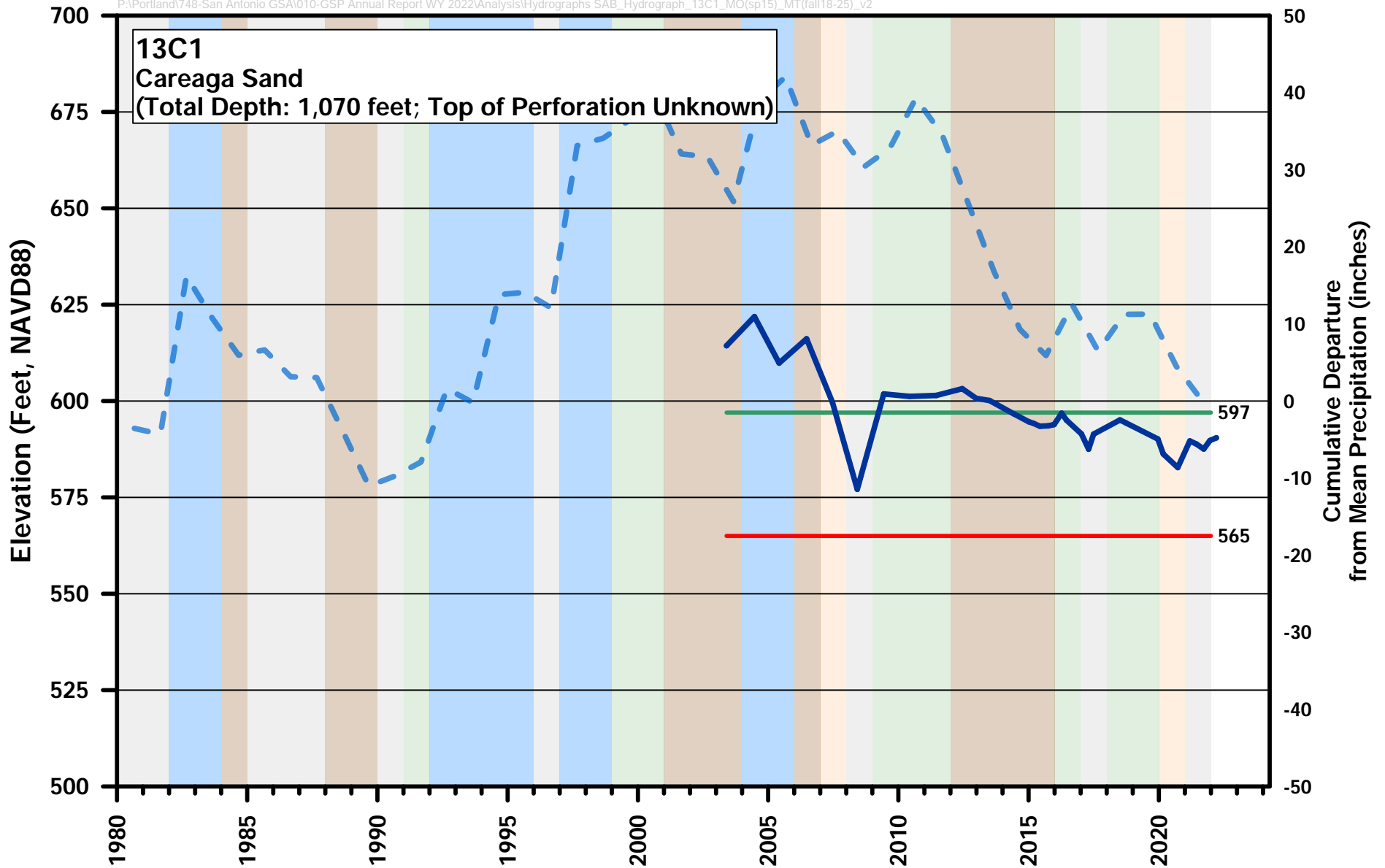
**EXPLANATION**

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

**WATER YEAR TYPE**

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





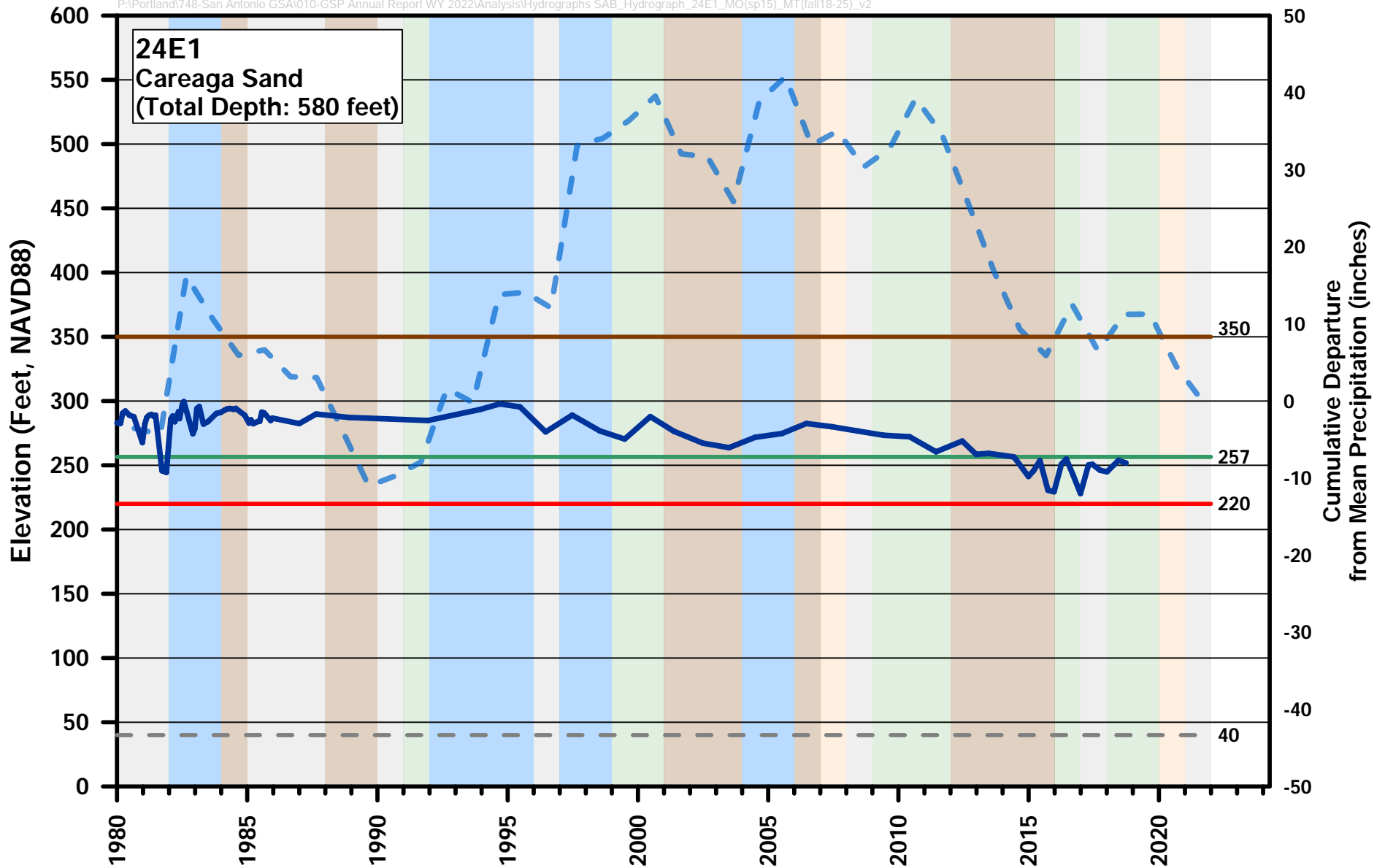
**EXPLANATION**

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

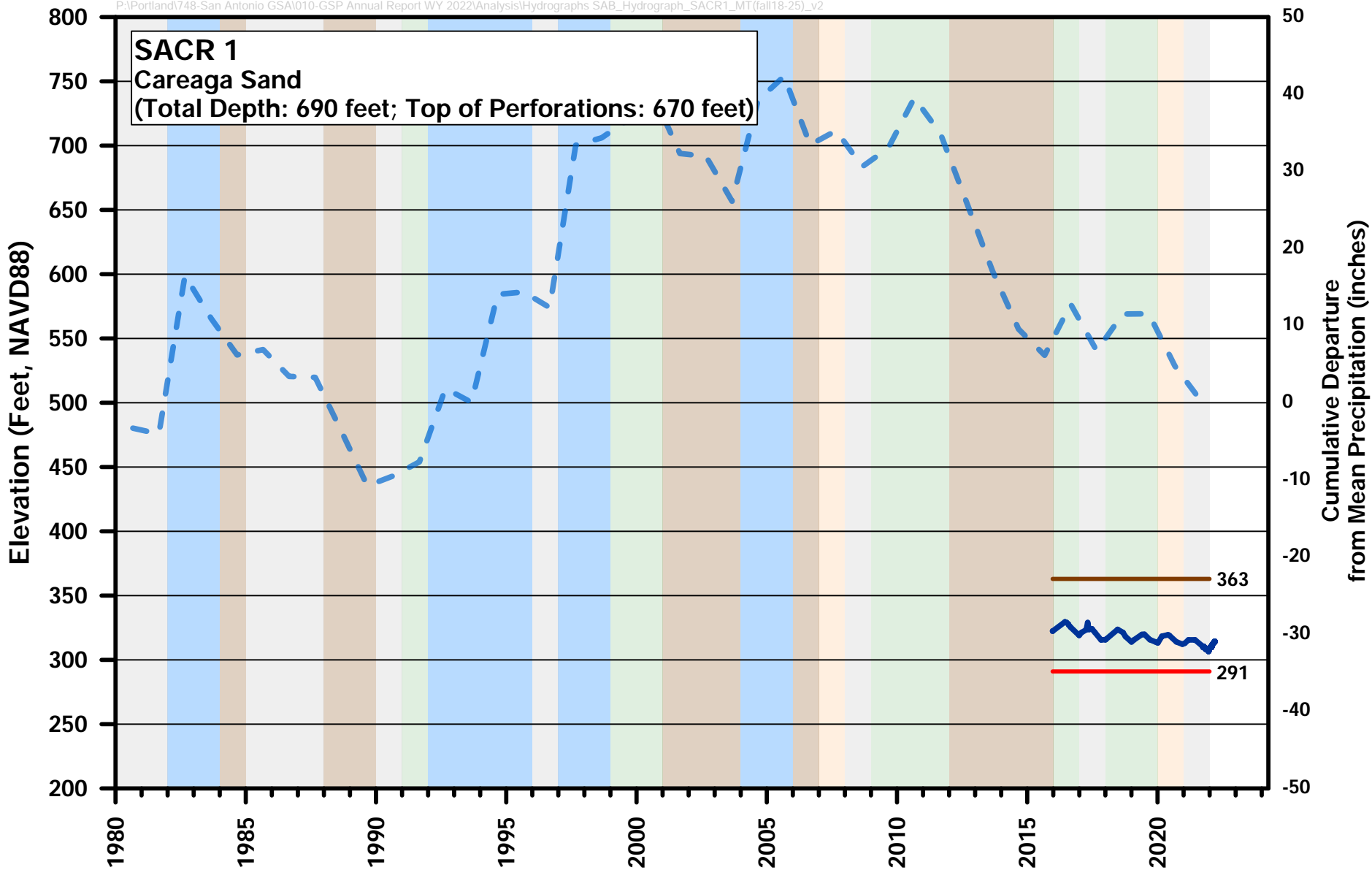
**WATER YEAR TYPE**

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





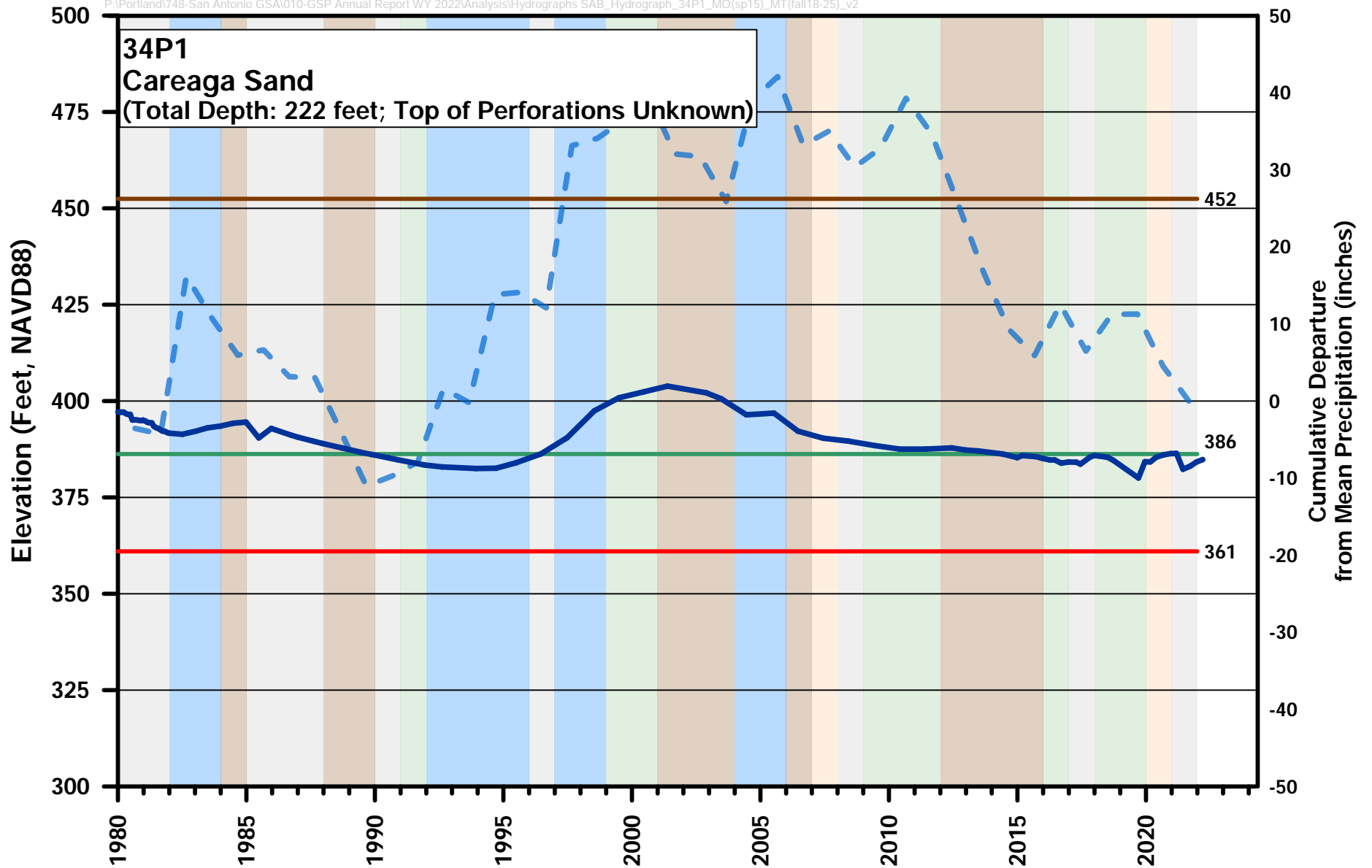
Groundwater Elevation Hydrograph  
San Antonio Creek Valley Groundwater Basin



EXPLANATION AND WATER YEAR TYPE

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





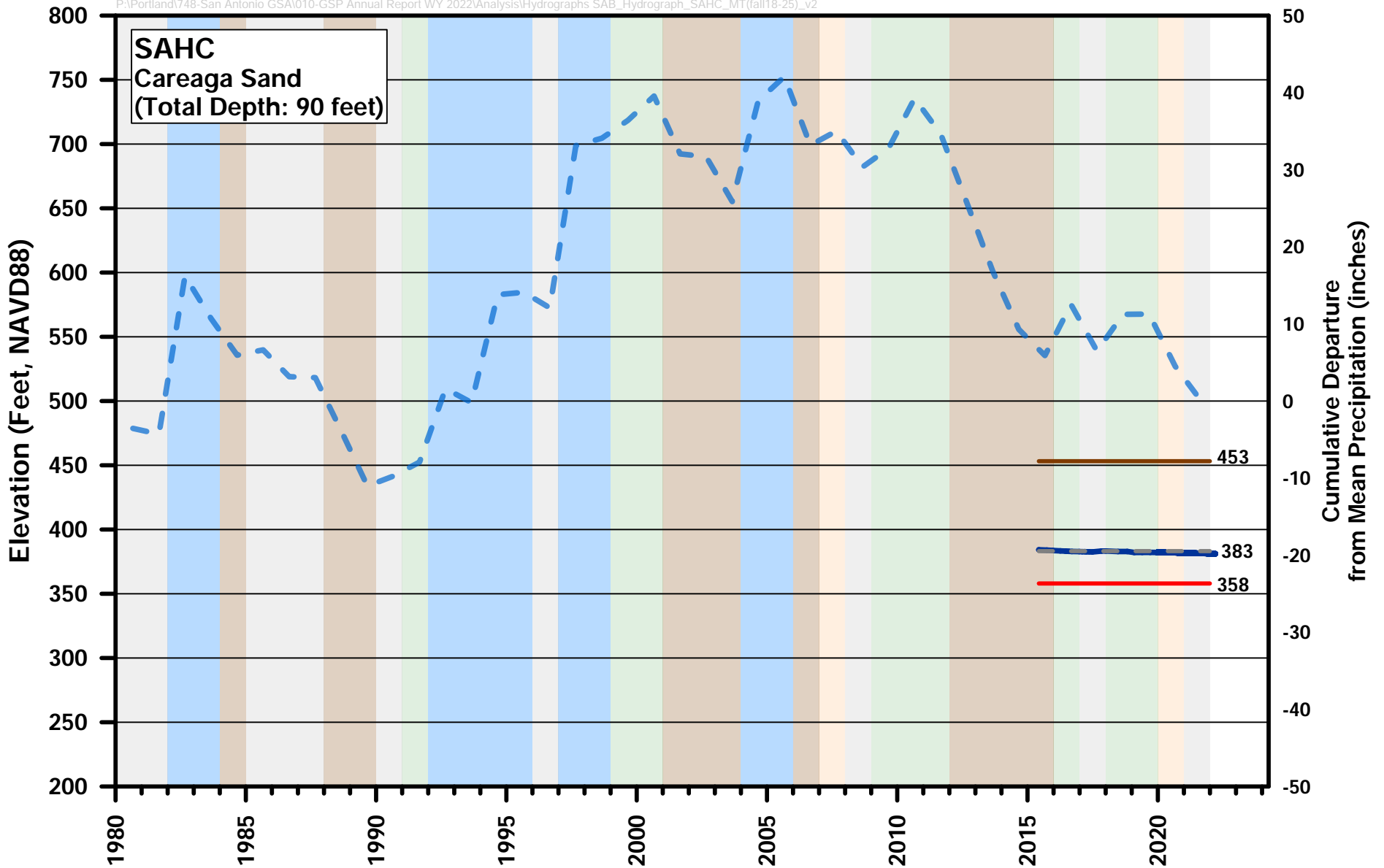
EXPLANATION

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

WATER YEAR TYPE

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





**EXPLANATION**

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

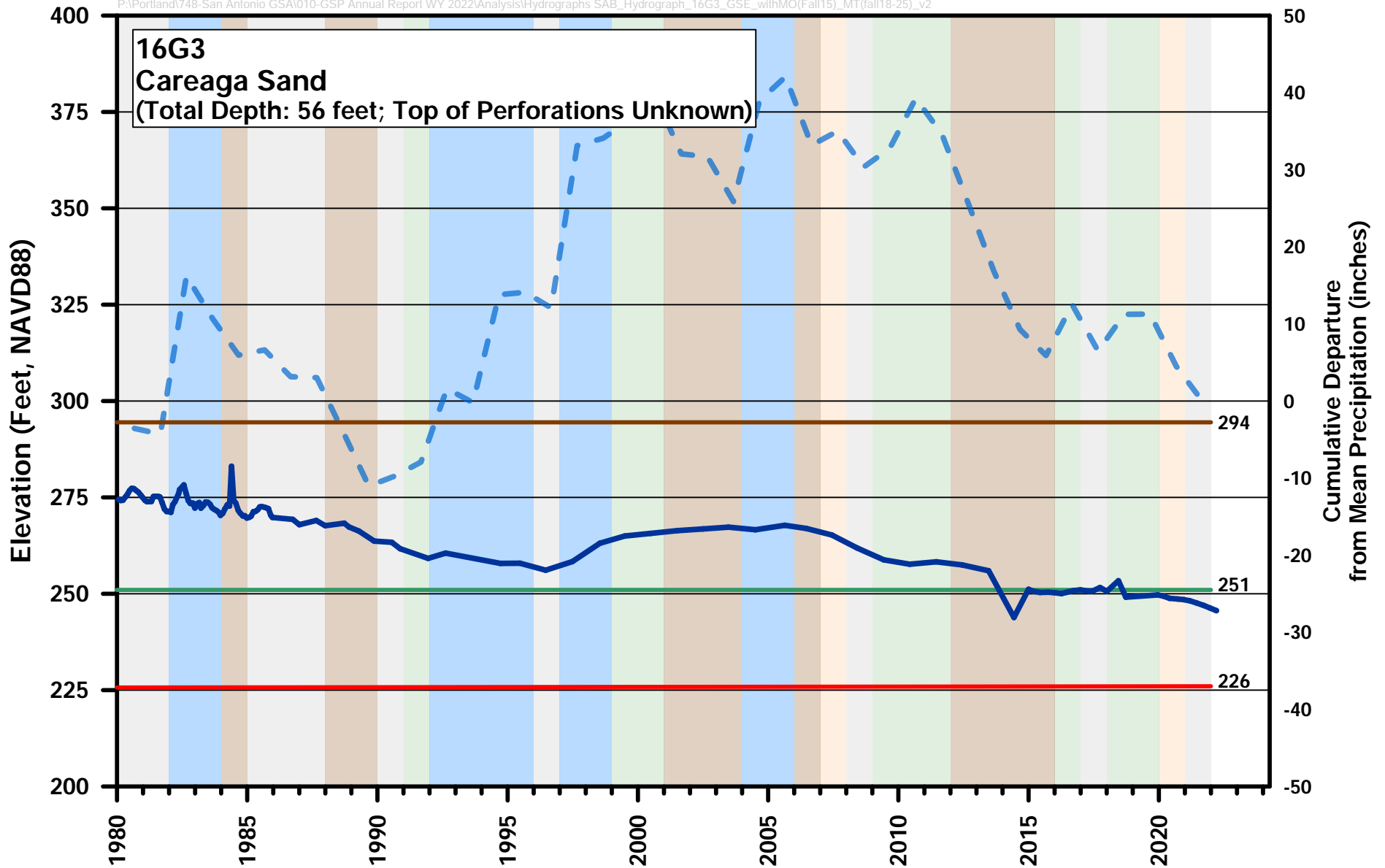
**WATER YEAR TYPE**

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



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





**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



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

**Notes**

- <sup>1</sup> LACSD 3 was taken offline in 2010 replaced with LACSD 3A.
- <sup>2</sup> Transmissivity and hydraulic conductivity were calculated using the modified Cooper-Jacob Nonequilibrium Equation (Driscoll, 1986)
- <sup>3</sup> 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.
- <sup>4</sup> Specific capacity was calculated using mean production and water level data provided by the LACSD.
- <sup>5</sup> 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.

<sup>6</sup> From Katherman Exploration Co., LLC, 2009.

<sup>7</sup> 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
- ft<sup>2</sup>/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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<b>2021</b>	<b>Well #3A</b>	<b>Well #4</b>	<b>Well #5</b>	<b>Well #6</b>		
<b>January</b>	938,000	1,001,000	1,209,000	2,063,000	5,211,000	
<b>February</b>	875,000	951,000	1,101,000	1,930,000	4,857,000	
<b>March</b>	1,077,000	1,209,000	1,522,000	2,484,000	6,292,000	
<b>April</b>	1,653,000	971,000	1,828,000	3,585,000	8,037,000	
<b>May</b>	2,066,000	747,000	2,081,000	4,196,000	9,090,000	
<b>June</b>	1,714,000	1,874,000	2,528,000	3,706,000	9,822,000	
<b>July</b>	1,805,000	1,845,000	2,984,000	3,422,000	10,056,000	
<b>August</b>	1,721,000	1,954,000	2,743,000	3,664,000	10,082,000	
<b>September</b>	1,957,000	2,104,000	2,619,000	3,140,000	9,820,000	
<b>October</b>	1,516,000	1,652,000	1,772,000	3,206,000	8,146,000	
<b>November</b>	1,313,000	1,474,000	1,452,000	2,549,000	6,788,000	
<b>December</b>	1,055,000	1,124,000	961,000	2,054,000	5,194,000	
<b>Total</b>					<b>93,395,000</b>	
<b>2022</b>	<b>Well #3A</b>	<b>Well #4</b>	<b>Well #5</b>	<b>Well #6</b>		
<b>January</b>	958,000	1,072,000	557,000	2,143,000	4,730,000	
<b>February</b>	1,139,000	1,356,000	well off line	3,349,000	5,844,000	
<b>March</b>	1,446,000	1,613,000	well off line	3,929,000	6,988,000	
<b>April</b>	1,405,000	1,550,000	well off line	3,872,000	6,827,000	
<b>May</b>	1,932,000	2,102,000	well off line	4,332,000	8,366,000	
<b>June</b>	2,282,000	2,490,000	well off line	4,240,000	9,012,000	
<b>July</b>	2,357,000	2,671,000	2,793,000	1,422,000	9,243,000	
<b>August</b>	1,544,000	1,761,000	3,146,000	2,730,000	9,181,000	
<b>September</b>	1,325,000	1,609,000	2,799,000	2,649,000	8,382,000	
<b>October</b>	1,246,000	1,428,000	2,383,000	2,486,000	7,543,000	
<b>November</b>	1,451,000	1,617,000	2,855,000	109,000	6,032,000	
<b>December</b>	1,291,000	1,428,000	626,000	1,590,000	4,935,000	
<b>Total</b>					<b>87,083,000</b>	

## Michael McAlpin

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**From:** DOMAKO, KENNETH E CIV USSF SSC 30 CES/CENP [REDACTED]  
**Sent:** Wednesday, January 18, 2023 1:04 PM  
**To:** Michael McAlpin  
**Cc:** [REDACTED]  
**Subject:** RE: VSFB Pumping data WY 2022

Hi,

Here is our data iacre-feet. Please let me know if you need anything else.

2021	2022
30.1	217.1 JAN
0.0	221.3
0.0	222.3
0.0	231.2
0.0	251.6
0.0	250.1
0.0	256.3
0.0	242.7
0.0	204.6
0.0	0.0
256.3	0.0
242.4	0.0

Ken Domako  
Chief, Portfolio Optimization  
30 CES/CENP  
Space Systems Command  
[REDACTED]



## APPENDIX F

Land Subsidence Data

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Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)	
580756	10/14/1999 0:00	-0.007		null
580757	10/15/1999 0:00	-0.012		null
580758	10/16/1999 0:00	0.012		null
580759	10/17/1999 0:00	0.007		null
580760	10/18/1999 0:00	-0.007		null
580761	10/19/1999 0:00	-0.013		null
580762	10/20/1999 0:00	0.001		null
580763	10/21/1999 0:00	-0.012		null
580764	10/22/1999 0:00	0.003		null
580765	10/23/1999 0:00	-0.032		null
580766	10/24/1999 0:00	-0.016		null
580767	10/25/1999 0:00	-0.012		null
580768	10/26/1999 0:00	0.02		null
580769	10/27/1999 0:00	0.017		null
580770	10/28/1999 0:00	-0.011		null
580771	10/29/1999 0:00	0.019		0
580772	10/30/1999 0:00	-0.02		0.001
580773	10/31/1999 0:00	0.012		0.001
580774	11/1/1999 0:00	0		0.001
580775	11/2/1999 0:00	-0.01		0.002
580776	11/3/1999 0:00	-0.002		0.002
580777	11/4/1999 0:00	0.007		0.004
580778	11/5/1999 0:00	0.007		0.004
580779	11/6/1999 0:00	0.008		0.005
580780	11/7/1999 0:00	0.005		0.006
580781	11/8/1999 0:00	0.015		0.006
580782	11/9/1999 0:00	0.032		0.007
580783	11/10/1999 0:00	-0.005		0.006
580784	11/11/1999 0:00	-0.005		0.006
580785	11/12/1999 0:00	-0.016		0.005
580786	11/13/1999 0:00	0.015		0.005
580787	11/14/1999 0:00	0.014		0.004
580788	11/15/1999 0:00	0.005		0.004
580789	11/16/1999 0:00	-0.003		0.005
580790	11/17/1999 0:00	0.034		0.005
580791	11/18/1999 0:00	0.02		0.006
580792	11/19/1999 0:00	0.025		0.006
580793	11/20/1999 0:00	0.002		0.006
580794	11/21/1999 0:00	0.035		0.005
580795	11/22/1999 0:00	0.015		0.006
580796	11/23/1999 0:00	-0.008		0.005
580797	11/24/1999 0:00	-0.01		0.004
580798	11/25/1999 0:00	-0.019		0.004
580799	11/26/1999 0:00	-0.003		0.004
580800	11/27/1999 0:00	-0.007		0.004
580801	11/28/1999 0:00	-0.013		0.004
580802	11/29/1999 0:00	-0.017		0.004
580803	11/30/1999 0:00	0.004		0.002
580804	12/1/1999 0:00	0.028		0.003
580805	12/2/1999 0:00	0.005		0.003
580806	12/3/1999 0:00	0.03		0.002
580807	12/4/1999 0:00	-0.01		0.001
580808	12/5/1999 0:00	-0.004		0.001
580809	12/6/1999 0:00	-0.011		0.001
580810	12/7/1999 0:00	0.023		-0.001
580811	12/8/1999 0:00	-0.015		-0.002
580812	12/9/1999 0:00	-0.005		-0.003
580813	12/10/1999 0:00	0.013		-0.003
580814	12/11/1999 0:00	-0.014		-0.003
580815	12/12/1999 0:00	-0.003		-0.004
580816	12/13/1999 0:00	-0.008		-0.004
580817	12/14/1999 0:00	0.004		-0.004
580818	12/15/1999 0:00	-0.022		-0.003
580819	12/16/1999 0:00	0.014		-0.003
580820	12/17/1999 0:00	0.002		-0.004
580821	12/18/1999 0:00	0.003		-0.005
580822	12/19/1999 0:00	0.004		-0.006
580823	12/20/1999 0:00	0.006		-0.006
580824	12/21/1999 0:00	-0.001		-0.005
580825	12/22/1999 0:00	-0.02		-0.006
580826	12/23/1999 0:00	-0.018		-0.008
580827	12/24/1999 0:00	-0.022		-0.009
580828	12/25/1999 0:00	-0.019		-0.009
580829	12/26/1999 0:00	-0.023		-0.009

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
580830	12/27/1999 0:00	-0.035	-0.009
580831	12/28/1999 0:00	-0.003	-0.009
580832	12/29/1999 0:00	-0.006	-0.01
580833	12/30/1999 0:00	0.01	-0.011
580834	12/31/1999 0:00	0.007	-0.01
580835	1/1/2000 0:00	-0.006	-0.011
580836	1/2/2000 0:00	-0.019	-0.012
580837	1/3/2000 0:00	-0.011	-0.013
580838	1/4/2000 0:00	-0.005	-0.013
580839	1/5/2000 0:00	0.014	-0.013
580840	1/6/2000 0:00	-0.033	-0.012
580841	1/7/2000 0:00	-0.044	-0.011
580842	1/8/2000 0:00	-0.036	-0.01
580843	1/9/2000 0:00	-0.003	-0.01
580844	1/10/2000 0:00	0.013	-0.01
580845	1/11/2000 0:00	-0.005	-0.009
580846	1/12/2000 0:00	-0.027	-0.009
580847	1/13/2000 0:00	-0.033	-0.009
580848	1/14/2000 0:00	-0.026	-0.009
580849	1/15/2000 0:00	0.006	-0.011
580850	1/16/2000 0:00	-0.022	-0.01
580851	1/17/2000 0:00	-0.023	-0.012
580852	1/18/2000 0:00	-0.011	-0.013
580853	1/19/2000 0:00	-0.008	-0.013
580854	1/20/2000 0:00	0.005	-0.013
580855	1/21/2000 0:00	0.029	-0.014
580856	1/22/2000 0:00	0.013	-0.013
580857	1/23/2000 0:00	0.003	-0.013
580858	1/24/2000 0:00	-0.006	-0.013
580859	1/25/2000 0:00	-0.013	-0.012
580860	1/26/2000 0:00	0.002	-0.013
580861	1/27/2000 0:00	-0.031	-0.014
580862	1/28/2000 0:00	-0.022	-0.014
580863	1/29/2000 0:00	-0.007	-0.014
580864	1/30/2000 0:00	-0.038	-0.013
580865	1/31/2000 0:00	0.025	-0.014
580866	2/1/2000 0:00	-0.053	-0.014
580867	2/2/2000 0:00	-0.052	-0.014
580868	2/3/2000 0:00	-0.013	-0.015
580869	2/4/2000 0:00	-0.01	-0.015
580870	2/5/2000 0:00	-0.011	-0.016
580871	2/6/2000 0:00	-0.013	-0.018
580872	2/7/2000 0:00	-0.027	-0.019
580873	2/8/2000 0:00	-0.028	-0.021
580874	2/9/2000 0:00	0.002	-0.022
580875	2/10/2000 0:00	-0.022	-0.022
580876	2/11/2000 0:00	-0.013	-0.023
580877	2/12/2000 0:00	-0.041	-0.022
580878	2/13/2000 0:00	-0.014	-0.022
580879	2/14/2000 0:00	0.006	-0.023
580880	2/15/2000 0:00	-0.031	-0.022
580881	2/16/2000 0:00	-0.026	-0.024
580882	2/17/2000 0:00	-0.026	-0.024
580883	2/18/2000 0:00	-0.037	-0.023
580884	2/19/2000 0:00	-0.016	-0.023
580885	2/20/2000 0:00	-0.037	-0.024
580886	2/21/2000 0:00	-0.027	-0.025
580887	2/22/2000 0:00	-0.017	-0.025
580888	2/23/2000 0:00	-0.056	-0.026
580889	2/24/2000 0:00	-0.02	-0.027
580890	2/25/2000 0:00	-0.033	-0.029
580891	2/26/2000 0:00	-0.009	-0.03
580892	2/27/2000 0:00	-0.022	-0.03
580893	2/28/2000 0:00	-0.021	-0.03
580894	2/29/2000 0:00	-0.032	-0.029
580895	3/1/2000 0:00	-0.01	-0.031
580896	3/2/2000 0:00	-0.045	-0.032
580897	3/3/2000 0:00	-0.034	-0.032
580898	3/4/2000 0:00	-0.037	-0.032
580899	3/5/2000 0:00	-0.017	-0.031
580900	3/6/2000 0:00	-0.035	-0.032
580901	3/7/2000 0:00	-0.035	-0.032
580902	3/8/2000 0:00	-0.021	-0.032
580903	3/9/2000 0:00	-0.062	-0.033

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
580904	3/10/2000 0:00	-0.048	-0.031
580905	3/11/2000 0:00	-0.065	-0.031
580906	3/12/2000 0:00	-0.036	-0.031
580907	3/13/2000 0:00	-0.038	-0.032
580908	3/14/2000 0:00	-0.032	-0.032
580909	3/15/2000 0:00	0.006	-0.032
580910	3/16/2000 0:00	-0.038	-0.032
580911	3/17/2000 0:00	-0.059	-0.032
580912	3/18/2000 0:00	-0.045	-0.032
580913	3/19/2000 0:00	-0.009	-0.032
580914	3/20/2000 0:00	-0.019	-0.031
580915	3/21/2000 0:00	-0.026	-0.031
580916	3/22/2000 0:00	-0.061	-0.03
580917	3/23/2000 0:00	-0.027	-0.029
580918	3/24/2000 0:00	-0.031	-0.03
580919	3/25/2000 0:00	-0.008	-0.028
580920	3/26/2000 0:00	-0.027	-0.027
580921	3/27/2000 0:00	-0.02	-0.026
580922	3/28/2000 0:00	-0.035	-0.026
580923	3/29/2000 0:00	-0.028	-0.025
580924	3/30/2000 0:00	-0.027	-0.025
580925	3/31/2000 0:00	-0.038	-0.026
580926	4/1/2000 0:00	-0.008	-0.025
580927	4/2/2000 0:00	-0.019	-0.022
580928	4/3/2000 0:00	-0.039	-0.022
580929	4/4/2000 0:00	-0.02	-0.022
580930	4/5/2000 0:00	-0.003	-0.022
580931	4/6/2000 0:00	-0.007	-0.022
580932	4/7/2000 0:00	-0.023	-0.021
580933	4/8/2000 0:00	-0.028	-0.019
580934	4/9/2000 0:00	-0.004	-0.019
580935	4/10/2000 0:00	-0.021	-0.02
580936	4/11/2000 0:00	-0.035	-0.02
580937	4/12/2000 0:00	-0.033	-0.021
580938	4/13/2000 0:00	-0.019	-0.019
580939	4/14/2000 0:00	-0.027	-0.018
580940	4/15/2000 0:00	-0.009	-0.019
580941	4/16/2000 0:00	-0.015	-0.019
580942	4/17/2000 0:00	0.017	-0.019
580943	4/18/2000 0:00	-0.019	-0.018
580944	4/19/2000 0:00	-0.019	-0.016
580945	4/20/2000 0:00	-0.035	-0.016
580946	4/21/2000 0:00	-0.02	-0.017
580947	4/22/2000 0:00	-0.012	-0.015
580948	4/23/2000 0:00	0.012	-0.014
580949	4/24/2000 0:00	-0.007	-0.014
580950	4/25/2000 0:00	-0.043	-0.013
580951	4/26/2000 0:00	-0.029	-0.013
580952	4/27/2000 0:00	-0.042	-0.012
580953	4/28/2000 0:00	0.002	-0.011
580954	4/29/2000 0:00	0	-0.011
580955	4/30/2000 0:00	-0.043	-0.01
580956	5/1/2000 0:00	-0.032	-0.01
580957	5/2/2000 0:00	-0.008	-0.009
580958	5/3/2000 0:00	0.003	-0.01
580959	5/4/2000 0:00	0.01	-0.01
580960	5/5/2000 0:00	-0.017	-0.01
580961	5/6/2000 0:00	-0.014	-0.009
580962	5/7/2000 0:00	0.032	-0.008
580963	5/8/2000 0:00	0.014	-0.007
580964	5/10/2000 0:00	-0.008	-0.008
580965	5/11/2000 0:00	0.009	-0.008
580966	5/12/2000 0:00	-0.008	-0.006
580967	5/13/2000 0:00	-0.024	-0.006
580968	5/14/2000 0:00	0.009	-0.005
580969	5/15/2000 0:00	-0.017	-0.006
580970	5/16/2000 0:00	-0.002	-0.007
580971	5/17/2000 0:00	-0.01	-0.006
580972	5/18/2000 0:00	0.006	-0.005
580973	5/19/2000 0:00	-0.002	-0.005
580974	5/20/2000 0:00	-0.008	-0.005
580975	5/21/2000 0:00	-0.018	-0.006
580976	5/22/2000 0:00	-0.002	-0.006
580977	5/23/2000 0:00	-0.005	-0.006

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
580978	5/24/2000 0:00	0.009	-0.007
580979	5/25/2000 0:00	-0.003	-0.008
580980	5/26/2000 0:00	0.004	-0.008
580981	5/27/2000 0:00	-0.002	-0.008
580982	5/28/2000 0:00	-0.025	-0.008
580983	5/29/2000 0:00	-0.009	-0.007
580984	5/30/2000 0:00	-0.022	-0.007
580985	5/31/2000 0:00	-0.022	-0.006
580986	6/1/2000 0:00	-0.026	-0.006
580987	6/2/2000 0:00	0.001	-0.005
580988	6/3/2000 0:00	-0.009	-0.005
580989	6/4/2000 0:00	-0.01	-0.004
580990	6/5/2000 0:00	0.002	-0.004
580991	6/6/2000 0:00	-0.017	-0.002
580992	6/7/2000 0:00	-0.014	-0.003
580993	6/8/2000 0:00	-0.014	-0.003
580994	6/9/2000 0:00	-0.005	-0.004
580995	6/10/2000 0:00	-0.009	-0.004
580996	6/11/2000 0:00	0.003	-0.004
580997	6/12/2000 0:00	-0.001	-0.003
580998	6/13/2000 0:00	0.001	-0.003
580999	6/14/2000 0:00	0.019	-0.002
581000	6/15/2000 0:00	0.005	-0.001
581001	6/16/2000 0:00	0.009	0
581002	6/17/2000 0:00	0.007	0.001
581003	6/18/2000 0:00	0.001	0.001
581004	6/19/2000 0:00	0.021	0.002
581005	6/20/2000 0:00	0.012	0.002
581006	6/21/2000 0:00	0.024	0.001
581007	6/22/2000 0:00	-0.022	0.002
581008	6/23/2000 0:00	-0.001	0.002
581009	6/24/2000 0:00	-0.011	0.001
581010	6/25/2000 0:00	-0.009	0.001
581011	6/26/2000 0:00	0.006	0.002
581012	6/27/2000 0:00	0.011	0.002
581013	6/28/2000 0:00	-0.007	0.002
581014	6/29/2000 0:00	0.013	0.002
581015	6/30/2000 0:00	0	0.001
581016	7/1/2000 0:00	0.01	0
581017	7/2/2000 0:00	0.018	0
581018	7/3/2000 0:00	0.006	-0.001
581019	7/4/2000 0:00	0.011	-0.001
581020	7/5/2000 0:00	-0.014	-0.002
581021	7/6/2000 0:00	-0.01	-0.002
581022	7/7/2000 0:00	-0.005	-0.003
581023	7/8/2000 0:00	-0.012	-0.002
581024	7/9/2000 0:00	-0.03	-0.002
581025	7/10/2000 0:00	-0.006	-0.002
581026	7/11/2000 0:00	0.018	-0.001
581027	7/12/2000 0:00	0.009	-0.001
581028	7/13/2000 0:00	-0.028	-0.001
581029	7/18/2000 0:00	0.013	-0.001
581030	7/19/2000 0:00	-0.021	-0.002
581031	7/20/2000 0:00	-0.008	-0.002
581032	7/21/2000 0:00	-0.005	-0.002
581033	7/22/2000 0:00	-0.012	-0.002
581034	7/23/2000 0:00	-0.016	-0.002
581035	7/24/2000 0:00	-0.005	-0.003
581036	7/25/2000 0:00	0.012	-0.002
581037	7/26/2000 0:00	-0.003	-0.002
581038	7/27/2000 0:00	0.011	-0.001
581039	7/28/2000 0:00	-0.014	-0.002
581040	7/29/2000 0:00	-0.002	-0.002
581041	7/30/2000 0:00	0.013	-0.001
581042	7/31/2000 0:00	0.02	-0.002
581043	8/1/2000 0:00	0.021	-0.003
581044	8/2/2000 0:00	-0.033	-0.002
581045	8/3/2000 0:00	0.007	-0.004
581046	8/4/2000 0:00	-0.003	-0.004
581047	8/5/2000 0:00	-0.005	-0.003
581048	8/6/2000 0:00	0.022	-0.003
581049	8/7/2000 0:00	-0.005	-0.003
581050	8/8/2000 0:00	-0.009	-0.002
581051	8/9/2000 0:00	0.007	-0.003

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581052	8/10/2000 0:00	0.006	-0.003
581053	8/11/2000 0:00	0.008	-0.003
581054	8/12/2000 0:00	-0.028	-0.003
581055	8/13/2000 0:00	-0.025	-0.004
581056	8/14/2000 0:00	0.005	-0.003
581057	8/15/2000 0:00	0	-0.005
581058	8/16/2000 0:00	-0.03	-0.005
581059	8/17/2000 0:00	0	-0.006
581060	8/18/2000 0:00	-0.022	-0.005
581061	8/19/2000 0:00	-0.017	-0.006
581062	8/20/2000 0:00	-0.005	-0.006
581063	8/21/2000 0:00	0.011	-0.006
581064	8/22/2000 0:00	-0.008	-0.006
581065	8/23/2000 0:00	-0.003	-0.008
581066	8/24/2000 0:00	-0.01	-0.008
581067	8/25/2000 0:00	-0.008	-0.008
581068	8/26/2000 0:00	0.002	-0.008
581069	8/27/2000 0:00	0.009	-0.009
581070	8/28/2000 0:00	-0.03	-0.009
581071	8/29/2000 0:00	0.014	-0.008
581072	8/30/2000 0:00	-0.032	-0.009
581073	8/31/2000 0:00	-0.002	-0.009
581074	9/1/2000 0:00	-0.013	-0.007
581075	9/2/2000 0:00	0	-0.007
581076	9/3/2000 0:00	-0.001	-0.006
581077	9/4/2000 0:00	-0.008	-0.006
581078	9/5/2000 0:00	-0.022	-0.006
581079	9/6/2000 0:00	0.017	-0.005
581080	9/7/2000 0:00	-0.038	-0.005
581081	9/8/2000 0:00	-0.007	-0.005
581082	9/9/2000 0:00	-0.009	-0.005
581083	9/10/2000 0:00	0.002	-0.006
581084	9/11/2000 0:00	-0.029	-0.006
581085	9/12/2000 0:00	-0.005	-0.006
581086	9/13/2000 0:00	-0.013	-0.006
581087	9/14/2000 0:00	-0.032	-0.006
581088	9/15/2000 0:00	0.02	-0.005
581089	9/16/2000 0:00	0.01	-0.005
581090	9/17/2000 0:00	-0.001	-0.004
581091	9/18/2000 0:00	0.016	-0.004
581092	9/19/2000 0:00	-0.014	-0.004
581093	9/20/2000 0:00	0.008	-0.004
581094	9/21/2000 0:00	0.035	-0.004
581095	9/22/2000 0:00	-0.01	-0.005
581096	9/23/2000 0:00	-0.009	-0.003
581097	9/24/2000 0:00	-0.018	-0.003
581098	9/25/2000 0:00	-0.018	-0.003
581099	9/26/2000 0:00	-0.007	-0.003
581100	9/27/2000 0:00	0.007	-0.002
581101	9/28/2000 0:00	-0.012	-0.002
581102	9/29/2000 0:00	0.009	-0.001
581103	9/30/2000 0:00	-0.009	0
581104	10/1/2000 0:00	0	-0.001
581105	10/2/2000 0:00	0.013	-0.001
581106	10/3/2000 0:00	-0.013	-0.001
581107	10/4/2000 0:00	-0.001	-0.001
581108	10/5/2000 0:00	0.008	-0.001
581109	10/6/2000 0:00	-0.036	-0.001
581110	10/7/2000 0:00	0.008	-0.002
581111	10/8/2000 0:00	0.002	-0.002
581112	10/9/2000 0:00	-0.012	-0.001
581113	10/10/2000 0:00	-0.009	0
581114	10/11/2000 0:00	0.003	0
581115	10/12/2000 0:00	0.001	0.001
581116	10/13/2000 0:00	0.012	0
581117	10/14/2000 0:00	0.001	0.001
581118	10/15/2000 0:00	0.01	0.002
581119	10/16/2000 0:00	0.008	0.002
581120	10/17/2000 0:00	0.007	0.002
581121	10/18/2000 0:00	-0.013	0.002
581122	10/19/2000 0:00	0.007	0.002
581123	10/20/2000 0:00	-0.013	0.003
581124	10/21/2000 0:00	0.012	0.003
581125	10/22/2000 0:00	0.017	0.004

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581126	10/23/2000 0:00	-0.009	0.003
581127	10/24/2000 0:00	0.012	0.003
581128	10/25/2000 0:00	0.003	0.004
581129	10/26/2000 0:00	-0.018	0.004
581130	10/27/2000 0:00	0.019	0.004
581131	10/28/2000 0:00	0.001	0.004
581132	10/29/2000 0:00	0.007	0.004
581133	10/30/2000 0:00	0.034	0.004
581134	10/31/2000 0:00	-0.003	0.004
581135	11/1/2000 0:00	-0.011	0.005
581136	11/2/2000 0:00	0.01	0.005
581137	11/3/2000 0:00	0.001	0.006
581138	11/4/2000 0:00	0.016	0.005
581139	11/5/2000 0:00	0.015	0.006
581140	11/6/2000 0:00	-0.008	0.006
581141	11/7/2000 0:00	0.002	0.006
581142	11/8/2000 0:00	-0.007	0.006
581143	11/9/2000 0:00	0.012	0.006
581144	11/10/2000 0:00	-0.021	0.006
581145	11/11/2000 0:00	0.008	0.006
581146	11/12/2000 0:00	0.017	0.006
581147	11/13/2000 0:00	0.012	0.006
581148	11/14/2000 0:00	0.005	0.006
581149	11/15/2000 0:00	0.013	0.004
581150	11/16/2000 0:00	0.028	0.004
581151	11/17/2000 0:00	-0.003	0.005
581152	11/18/2000 0:00	0.01	0.003
581153	11/19/2000 0:00	0.002	0.003
581154	11/20/2000 0:00	0.006	0.003
581155	11/21/2000 0:00	0.005	0.002
581156	11/22/2000 0:00	0.026	0.001
581157	11/23/2000 0:00	-0.003	0.001
581158	11/24/2000 0:00	0.005	0
581159	11/25/2000 0:00	-0.008	0
581160	11/26/2000 0:00	-0.006	0
581161	11/27/2000 0:00	0.021	0
581162	11/28/2000 0:00	0.009	-0.001
581163	11/29/2000 0:00	-0.004	-0.002
581164	11/30/2000 0:00	-0.032	-0.003
581165	12/1/2000 0:00	0.002	-0.004
581166	12/2/2000 0:00	0.008	-0.005
581167	12/3/2000 0:00	-0.025	-0.006
581168	12/4/2000 0:00	-0.01	-0.007
581169	12/5/2000 0:00	-0.001	-0.007
581170	12/6/2000 0:00	-0.012	-0.007
581171	12/7/2000 0:00	-0.029	-0.008
581172	12/8/2000 0:00	-0.011	-0.01
581173	12/9/2000 0:00	-0.018	-0.01
581174	12/10/2000 0:00	0.001	-0.011
581175	12/11/2000 0:00	-0.005	-0.012
581176	12/12/2000 0:00	-0.005	-0.012
581177	12/13/2000 0:00	-0.014	-0.013
581178	12/14/2000 0:00	-0.023	-0.014
581179	12/15/2000 0:00	-0.008	-0.014
581180	12/16/2000 0:00	-0.029	-0.014
581181	12/17/2000 0:00	-0.013	-0.014
581182	12/18/2000 0:00	-0.025	-0.015
581183	12/19/2000 0:00	-0.013	-0.014
581184	12/20/2000 0:00	-0.015	-0.015
581185	12/21/2000 0:00	0.003	-0.014
581186	12/22/2000 0:00	-0.006	-0.014
581187	12/23/2000 0:00	-0.035	-0.014
581188	12/24/2000 0:00	-0.025	-0.014
581189	12/25/2000 0:00	-0.02	-0.013
581190	12/26/2000 0:00	-0.02	-0.014
581191	12/27/2000 0:00	-0.015	-0.015
581192	12/28/2000 0:00	-0.015	-0.015
581193	12/29/2000 0:00	-0.013	-0.014
581194	12/30/2000 0:00	-0.014	-0.015
581195	12/31/2000 0:00	-0.025	-0.015
581196	1/1/2001 0:00	0	-0.015
581197	1/2/2001 0:00	-0.014	-0.015
581198	1/3/2001 0:00	-0.011	-0.016
581199	1/4/2001 0:00	-0.019	-0.016



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581200	1/5/2001 0:00	0.003	-0.016
581201	1/6/2001 0:00	-0.008	-0.017
581202	1/7/2001 0:00	-0.01	-0.018
581203	1/8/2001 0:00	-0.005	-0.018
581204	1/9/2001 0:00	-0.001	-0.019
581205	1/10/2001 0:00	-0.018	-0.02
581206	1/11/2001 0:00	-0.037	-0.021
581207	1/12/2001 0:00	-0.004	-0.021
581208	1/13/2001 0:00	-0.009	-0.021
581209	1/14/2001 0:00	-0.027	-0.022
581210	1/15/2001 0:00	-0.017	-0.022
581211	1/16/2001 0:00	-0.028	-0.023
581212	1/17/2001 0:00	-0.027	-0.024
581213	1/18/2001 0:00	-0.034	-0.025
581214	1/19/2001 0:00	-0.023	-0.026
581215	1/20/2001 0:00	-0.031	-0.026
581216	1/21/2001 0:00	-0.028	-0.028
581217	1/22/2001 0:00	-0.028	-0.029
581218	1/23/2001 0:00	-0.027	-0.031
581219	1/24/2001 0:00	-0.048	-0.032
581220	1/25/2001 0:00	-0.055	-0.033
581221	1/26/2001 0:00	-0.058	-0.033
581222	1/27/2001 0:00	-0.006	-0.033
581223	1/28/2001 0:00	-0.036	-0.034
581224	1/29/2001 0:00	-0.026	-0.034
581225	1/30/2001 0:00	-0.036	-0.034
581226	1/31/2001 0:00	-0.033	-0.035
581227	2/1/2001 0:00	-0.036	-0.036
581228	2/2/2001 0:00	-0.045	-0.036
581229	2/3/2001 0:00	-0.047	-0.036
581230	2/4/2001 0:00	-0.033	-0.036
581231	2/5/2001 0:00	-0.032	-0.037
581232	2/6/2001 0:00	-0.063	-0.037
581233	2/7/2001 0:00	-0.049	-0.038
581234	2/8/2001 0:00	-0.041	-0.037
581235	2/9/2001 0:00	-0.04	-0.037
581236	2/10/2001 0:00	-0.022	-0.037
581237	2/11/2001 0:00	-0.034	-0.036
581238	2/12/2001 0:00	-0.024	-0.037
581239	2/13/2001 0:00	-0.011	-0.036
581240	2/14/2001 0:00	-0.033	-0.035
581241	2/15/2001 0:00	-0.045	-0.035
581242	2/16/2001 0:00	-0.05	-0.034
581243	2/17/2001 0:00	-0.041	-0.033
581244	2/18/2001 0:00	-0.038	-0.033
581245	2/19/2001 0:00	-0.027	-0.035
581246	2/20/2001 0:00	-0.043	-0.034
581247	2/21/2001 0:00	-0.044	-0.034
581248	2/22/2001 0:00	-0.042	-0.032
581249	2/23/2001 0:00	0	-0.031
581250	2/24/2001 0:00	-0.048	-0.03
581251	2/25/2001 0:00	-0.06	-0.029
581252	2/26/2001 0:00	-0.021	-0.029
581253	2/27/2001 0:00	-0.052	-0.029
581254	2/28/2001 0:00	-0.016	-0.028
581255	3/1/2001 0:00	0.014	-0.028
581256	3/2/2001 0:00	-0.024	-0.027
581257	3/3/2001 0:00	0.003	-0.027
581258	3/4/2001 0:00	-0.018	-0.027
581259	3/5/2001 0:00	-0.048	-0.027
581260	3/6/2001 0:00	-0.091	-0.027
581261	3/7/2001 0:00	-0.026	-0.027
581262	3/8/2001 0:00	-0.006	-0.026
581263	3/9/2001 0:00	-0.016	-0.025
581264	3/10/2001 0:00	-0.021	-0.025
581265	3/11/2001 0:00	-0.015	-0.026
581266	3/12/2001 0:00	-0.003	-0.025
581267	3/13/2001 0:00	-0.023	-0.023
581268	3/14/2001 0:00	-0.017	-0.023
581269	3/15/2001 0:00	-0.018	-0.022
581270	3/16/2001 0:00	0.009	-0.022
581271	3/17/2001 0:00	-0.016	-0.024
581272	3/18/2001 0:00	-0.036	-0.023
581273	3/19/2001 0:00	-0.054	-0.024

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581274	3/20/2001 0:00	-0.033	-0.024
581275	3/21/2001 0:00	-0.043	-0.023
581276	3/22/2001 0:00	-0.034	-0.02
581277	3/23/2001 0:00	-0.015	-0.019
581278	3/24/2001 0:00	-0.016	-0.02
581279	3/25/2001 0:00	-0.035	-0.019
581280	3/26/2001 0:00	-0.02	-0.019
581281	3/27/2001 0:00	-0.03	-0.021
581282	3/28/2001 0:00	-0.005	-0.022
581283	3/29/2001 0:00	-0.014	-0.022
581284	3/30/2001 0:00	-0.019	-0.023
581285	3/31/2001 0:00	-0.025	-0.023
581286	4/1/2001 0:00	-0.029	-0.024
581287	4/2/2001 0:00	-0.007	-0.024
581288	4/3/2001 0:00	-0.029	-0.024
581289	4/4/2001 0:00	-0.018	-0.022
581290	4/5/2001 0:00	-0.008	-0.021
581291	4/6/2001 0:00	0.016	-0.019
581292	4/7/2001 0:00	-0.015	-0.019
581293	4/8/2001 0:00	-0.018	-0.019
581294	4/9/2001 0:00	-0.008	-0.019
581295	4/10/2001 0:00	-0.025	-0.017
581296	4/11/2001 0:00	-0.046	-0.016
581297	4/12/2001 0:00	-0.036	-0.015
581298	4/13/2001 0:00	-0.031	-0.014
581299	4/14/2001 0:00	-0.04	-0.013
581300	4/15/2001 0:00	-0.025	-0.013
581301	4/16/2001 0:00	-0.017	-0.012
581302	4/17/2001 0:00	-0.033	-0.011
581303	4/18/2001 0:00	-0.029	-0.012
581304	4/19/2001 0:00	0.015	-0.011
581305	4/20/2001 0:00	0	-0.011
581306	4/21/2001 0:00	0.015	-0.011
581307	4/22/2001 0:00	-0.029	-0.011
581308	4/23/2001 0:00	-0.027	-0.011
581309	4/24/2001 0:00	-0.011	-0.011
581310	4/25/2001 0:00	0.032	-0.012
581311	4/26/2001 0:00	-0.002	-0.011
581312	4/27/2001 0:00	0.013	-0.009
581313	4/28/2001 0:00	0.025	-0.009
581314	4/29/2001 0:00	0.008	-0.007
581315	4/30/2001 0:00	-0.012	-0.006
581316	5/1/2001 0:00	-0.014	-0.005
581317	5/2/2001 0:00	0.008	-0.004
581318	5/3/2001 0:00	-0.018	-0.003
581319	5/4/2001 0:00	-0.01	-0.002
581320	5/5/2001 0:00	-0.006	-0.002
581321	5/6/2001 0:00	-0.014	-0.002
581322	5/7/2001 0:00	-0.002	-0.003
581323	5/8/2001 0:00	-0.005	-0.002
581324	5/9/2001 0:00	-0.011	0
581325	5/10/2001 0:00	-0.034	0.001
581326	5/11/2001 0:00	-0.005	0
581327	5/12/2001 0:00	0.001	0.001
581328	5/13/2001 0:00	-0.007	0
581329	5/14/2001 0:00	0.012	0
581330	5/15/2001 0:00	-0.009	0
581331	5/16/2001 0:00	0.015	0
581332	5/17/2001 0:00	0.009	0.001
581333	5/18/2001 0:00	0.014	0.002
581334	5/19/2001 0:00	0.001	0.003
581335	5/20/2001 0:00	0.005	0.003
581336	5/21/2001 0:00	-0.01	0.004
581337	5/22/2001 0:00	-0.004	0.005
581338	5/23/2001 0:00	0.01	0.005
581339	5/24/2001 0:00	0.014	0.005
581340	5/25/2001 0:00	0.016	0.006
581341	5/26/2001 0:00	0.008	0.007
581342	5/27/2001 0:00	0.023	0.007
581343	5/28/2001 0:00	0.002	0.008
581344	5/29/2001 0:00	0.007	0.009
581345	5/30/2001 0:00	0.005	0.009
581346	5/31/2001 0:00	-0.002	0.009
581347	6/1/2001 0:00	0.022	0.008

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581348	6/2/2001 0:00	0.026	0.007
581349	6/3/2001 0:00	0.008	0.007
581350	6/4/2001 0:00	0.011	0.007
581351	6/5/2001 0:00	0.01	0.007
581352	6/6/2001 0:00	0.016	0.006
581353	6/7/2001 0:00	0.006	0.005
581354	6/8/2001 0:00	0.007	0.005
581355	6/9/2001 0:00	-0.001	0.005
581356	6/10/2001 0:00	0.011	0.004
581357	6/11/2001 0:00	-0.002	0.002
581358	6/12/2001 0:00	0.018	0
581359	6/13/2001 0:00	0.032	0
581360	6/14/2001 0:00	0.009	0
581361	6/15/2001 0:00	-0.02	-0.001
581362	6/16/2001 0:00	-0.008	-0.002
581363	6/17/2001 0:00	-0.011	-0.003
581364	6/18/2001 0:00	-0.005	-0.003
581365	6/19/2001 0:00	0.006	-0.005
581366	6/20/2001 0:00	-0.001	-0.006
581367	6/21/2001 0:00	-0.025	-0.007
581368	6/22/2001 0:00	-0.022	-0.008
581369	6/23/2001 0:00	-0.01	-0.009
581370	6/24/2001 0:00	0.025	-0.011
581371	6/25/2001 0:00	-0.018	-0.013
581372	6/26/2001 0:00	-0.048	-0.014
581373	6/27/2001 0:00	-0.039	-0.015
581374	6/28/2001 0:00	-0.009	-0.016
581375	6/29/2001 0:00	-0.005	-0.017
581376	6/30/2001 0:00	-0.012	-0.018
581377	7/1/2001 0:00	-0.017	-0.018
581378	7/2/2001 0:00	-0.017	-0.018
581379	7/3/2001 0:00	0.012	-0.019
581380	7/4/2001 0:00	-0.035	-0.019
581381	7/5/2001 0:00	-0.028	-0.02
581382	7/6/2001 0:00	-0.009	-0.021
581383	7/7/2001 0:00	-0.034	-0.021
581384	7/8/2001 0:00	-0.032	-0.021
581385	7/9/2001 0:00	-0.05	-0.022
581386	7/10/2001 0:00	-0.044	-0.023
581387	7/11/2001 0:00	-0.022	-0.024
581388	7/12/2001 0:00	-0.032	-0.023
581389	7/13/2001 0:00	-0.02	-0.023
581390	7/14/2001 0:00	-0.016	-0.024
581391	7/15/2001 0:00	-0.012	-0.024
581392	7/16/2001 0:00	-0.023	-0.023
581393	7/17/2001 0:00	-0.008	-0.024
581394	7/18/2001 0:00	-0.024	-0.024
581395	7/19/2001 0:00	-0.022	-0.025
581396	7/20/2001 0:00	-0.022	-0.024
581397	7/21/2001 0:00	-0.033	-0.024
581398	7/22/2001 0:00	-0.017	-0.024
581399	7/23/2001 0:00	-0.026	-0.024
581400	7/24/2001 0:00	-0.034	-0.024
581401	7/25/2001 0:00	-0.022	-0.023
581402	7/26/2001 0:00	-0.031	-0.022
581403	7/27/2001 0:00	-0.023	-0.022
581404	7/28/2001 0:00	-0.042	-0.023
581405	7/29/2001 0:00	-0.035	-0.024
581406	7/30/2001 0:00	-0.006	-0.024
581407	7/31/2001 0:00	0	-0.025
581408	8/1/2001 0:00	-0.026	-0.025
581409	8/2/2001 0:00	-0.035	-0.026
581410	8/3/2001 0:00	-0.011	-0.027
581411	8/4/2001 0:00	-0.002	-0.027
581412	8/5/2001 0:00	-0.025	-0.027
581413	8/6/2001 0:00	-0.019	-0.028
581414	8/7/2001 0:00	-0.025	-0.028
581415	8/8/2001 0:00	-0.027	-0.028
581416	8/9/2001 0:00	-0.031	-0.027
581417	8/10/2001 0:00	-0.024	-0.027
581418	8/11/2001 0:00	-0.016	-0.027
581419	8/12/2001 0:00	-0.047	-0.027
581420	8/13/2001 0:00	-0.059	-0.027
581421	8/14/2001 0:00	-0.022	-0.027

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581422	8/15/2001 0:00	-0.046	-0.028
581423	8/16/2001 0:00	-0.017	-0.028
581424	8/17/2001 0:00	-0.038	-0.027
581425	8/18/2001 0:00	-0.044	-0.026
581426	8/19/2001 0:00	-0.025	-0.026
581427	8/20/2001 0:00	-0.035	-0.027
581428	8/21/2001 0:00	-0.043	-0.027
581429	8/22/2001 0:00	-0.025	-0.026
581430	8/23/2001 0:00	-0.031	-0.026
581431	8/24/2001 0:00	-0.005	-0.026
581432	8/25/2001 0:00	-0.011	-0.026
581433	8/26/2001 0:00	-0.039	-0.027
581434	8/27/2001 0:00	-0.031	-0.027
581435	8/28/2001 0:00	-0.022	-0.026
581436	8/29/2001 0:00	-0.035	-0.024
581437	8/30/2001 0:00	-0.042	-0.024
581438	8/31/2001 0:00	0.001	-0.023
581439	9/1/2001 0:00	-0.016	-0.022
581440	9/2/2001 0:00	-0.006	-0.021
581441	9/3/2001 0:00	-0.011	-0.02
581442	9/4/2001 0:00	-0.035	-0.019
581443	9/5/2001 0:00	-0.002	-0.018
581444	9/6/2001 0:00	-0.001	-0.017
581445	9/7/2001 0:00	-0.033	-0.016
581446	9/8/2001 0:00	-0.018	-0.016
581447	9/9/2001 0:00	-0.028	-0.016
581448	9/10/2001 0:00	-0.043	-0.015
581449	9/11/2001 0:00	-0.028	-0.014
581450	9/12/2001 0:00	-0.004	-0.013
581451	9/13/2001 0:00	-0.011	-0.012
581452	9/14/2001 0:00	-0.02	-0.012
581453	9/15/2001 0:00	-0.013	-0.011
581454	9/16/2001 0:00	0.001	-0.012
581455	9/17/2001 0:00	0.011	-0.011
581456	9/18/2001 0:00	-0.004	-0.011
581457	9/19/2001 0:00	-0.007	-0.011
581458	9/20/2001 0:00	0.002	-0.01
581459	9/21/2001 0:00	-0.012	-0.01
581460	9/22/2001 0:00	-0.013	-0.01
581461	9/23/2001 0:00	-0.006	-0.01
581462	9/24/2001 0:00	-0.007	-0.01
581463	9/25/2001 0:00	0.003	-0.011
581464	9/26/2001 0:00	-0.016	-0.01
581465	9/27/2001 0:00	0.005	-0.01
581466	9/28/2001 0:00	0.003	-0.01
581467	9/29/2001 0:00	-0.009	-0.009
581468	9/30/2001 0:00	-0.021	-0.008
581469	10/1/2001 0:00	-0.024	-0.009
581470	10/2/2001 0:00	-0.007	-0.01
581471	10/3/2001 0:00	0	-0.01
581472	10/4/2001 0:00	-0.01	-0.011
581473	10/5/2001 0:00	0.012	-0.011
581474	10/6/2001 0:00	-0.011	-0.01
581475	10/7/2001 0:00	-0.014	-0.01
581476	10/8/2001 0:00	-0.02	-0.01
581477	10/9/2001 0:00	-0.018	-0.01
581478	10/10/2001 0:00	-0.051	-0.01
581479	10/11/2001 0:00	-0.016	-0.01
581480	10/12/2001 0:00	-0.032	-0.01
581481	10/13/2001 0:00	0.004	-0.011
581482	10/14/2001 0:00	0.005	-0.011
581483	10/15/2001 0:00	0.008	-0.011
581484	10/16/2001 0:00	-0.024	-0.01
581485	10/17/2001 0:00	-0.033	-0.01
581486	10/18/2001 0:00	-0.003	-0.009
581487	10/19/2001 0:00	-0.024	-0.01
581488	10/20/2001 0:00	0	-0.01
581489	10/21/2001 0:00	0.02	-0.01
581490	10/22/2001 0:00	-0.011	-0.01
581491	10/23/2001 0:00	-0.019	-0.01
581492	10/24/2001 0:00	0.013	-0.01
581493	10/25/2001 0:00	-0.023	-0.011
581494	10/26/2001 0:00	-0.006	-0.01
581495	10/27/2001 0:00	-0.003	-0.008

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581496	10/28/2001 0:00	-0.022	-0.007
581497	10/29/2001 0:00	0.01	-0.007
581498	10/30/2001 0:00	-0.02	-0.008
581499	10/31/2001 0:00	-0.003	-0.009
581500	11/1/2001 0:00	-0.001	-0.008
581501	11/2/2001 0:00	0.005	-0.007
581502	11/3/2001 0:00	-0.014	-0.004
581503	11/4/2001 0:00	-0.015	-0.004
581504	11/5/2001 0:00	0.009	-0.004
581505	11/6/2001 0:00	-0.002	-0.006
581506	11/7/2001 0:00	-0.019	-0.005
581507	11/8/2001 0:00	-0.025	-0.005
581508	11/9/2001 0:00	-0.036	-0.006
581509	11/10/2001 0:00	-0.021	-0.005
581510	11/11/2001 0:00	0.027	-0.007
581511	11/12/2001 0:00	0	-0.007
581512	11/13/2001 0:00	0.009	-0.007
581513	11/14/2001 0:00	-0.021	-0.007
581514	11/15/2001 0:00	-0.024	-0.006
581515	11/16/2001 0:00	-0.006	-0.007
581516	11/17/2001 0:00	0.014	-0.008
581517	11/18/2001 0:00	0.093	-0.009
581518	11/19/2001 0:00	-0.043	-0.009
581519	11/20/2001 0:00	-0.004	-0.01
581520	11/21/2001 0:00	-0.015	-0.011
581521	11/22/2001 0:00	-0.008	-0.013
581522	11/23/2001 0:00	-0.02	-0.014
581523	11/24/2001 0:00	-0.002	-0.013
581524	11/25/2001 0:00	-0.002	-0.011
581525	11/26/2001 0:00	-0.048	-0.011
581526	11/27/2001 0:00	-0.011	-0.012
581527	11/28/2001 0:00	-0.037	-0.013
581528	11/29/2001 0:00	0.018	-0.015
581529	11/30/2001 0:00	0.018	-0.014
581530	12/1/2001 0:00	-0.026	-0.015
581531	12/2/2001 0:00	-0.041	-0.016
581532	12/3/2001 0:00	-0.026	-0.017
581533	12/4/2001 0:00	-0.023	-0.022
581534	12/5/2001 0:00	-0.044	-0.021
581535	12/6/2001 0:00	-0.027	-0.022
581536	12/7/2001 0:00	-0.05	-0.023
581537	12/8/2001 0:00	-0.047	-0.024
581538	12/9/2001 0:00	0.005	-0.026
581539	12/10/2001 0:00	0.011	-0.029
581540	12/11/2001 0:00	-0.009	-0.03
581541	12/12/2001 0:00	-0.015	-0.028
581542	12/13/2001 0:00	-0.035	-0.028
581543	12/14/2001 0:00	-0.029	-0.022
581544	12/15/2001 0:00	-0.002	-0.024
581545	12/16/2001 0:00	-0.046	-0.026
581546	12/17/2001 0:00	-0.042	-0.026
581547	12/18/2001 0:00	-0.021	-0.025
581548	12/19/2001 0:00	-0.045	-0.024
581549	12/20/2001 0:00	-0.038	-0.024
581550	12/21/2001 0:00	-0.035	-0.023
581551	12/22/2001 0:00	-0.023	-0.023
581552	12/23/2001 0:00	-0.058	-0.022
581553	12/24/2001 0:00	-0.079	-0.022
581554	12/25/2001 0:00	-0.081	-0.022
581555	12/26/2001 0:00	-0.033	-0.024
581556	12/27/2001 0:00	0	-0.024
581557	12/28/2001 0:00	-0.003	-0.025
581558	12/29/2001 0:00	0.156	-0.024
581559	1/16/2002 0:00	-0.053	-0.024
581560	1/17/2002 0:00	-0.037	-0.026
581561	1/18/2002 0:00	-0.032	-0.024
581562	1/19/2002 0:00	-0.019	-0.024
581563	1/20/2002 0:00	0.006	-0.024
581564	1/21/2002 0:00	-0.017	-0.024
581565	1/22/2002 0:00	-0.003	-0.022
581566	1/23/2002 0:00	-0.033	-0.021
581567	1/24/2002 0:00	-0.033	-0.02
581568	1/25/2002 0:00	-0.023	-0.018
581569	1/26/2002 0:00	-0.022	-0.018

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581570	1/27/2002 0:00	-0.033	-0.017
581571	1/28/2002 0:00	-0.013	-0.016
581572	1/29/2002 0:00	-0.037	-0.017
581573	1/30/2002 0:00	-0.027	-0.018
581574	1/31/2002 0:00	-0.029	-0.022
581575	2/1/2002 0:00	-0.044	-0.021
581576	2/2/2002 0:00	-0.006	-0.02
581577	2/3/2002 0:00	-0.033	-0.02
581578	2/4/2002 0:00	-0.032	-0.019
581579	2/5/2002 0:00	-0.016	-0.02
581580	2/6/2002 0:00	-0.005	-0.02
581581	2/7/2002 0:00	0.016	-0.021
581582	2/8/2002 0:00	0.009	-0.02
581583	2/9/2002 0:00	-0.018	-0.02
581584	2/10/2002 0:00	-0.059	-0.019
581585	2/11/2002 0:00	-0.041	-0.02
581586	2/12/2002 0:00	-0.019	-0.019
581587	2/13/2002 0:00	-0.028	-0.019
581588	2/14/2002 0:00	-0.021	-0.017
581589	2/15/2002 0:00	0.007	-0.016
581590	2/16/2002 0:00	-0.013	-0.017
581591	2/17/2002 0:00	-0.002	-0.016
581592	2/18/2002 0:00	-0.021	-0.016
581593	2/19/2002 0:00	-0.011	-0.017
581594	2/20/2002 0:00	-0.005	-0.016
581595	2/21/2002 0:00	-0.016	-0.017
581596	2/22/2002 0:00	-0.039	-0.018
581597	2/23/2002 0:00	-0.018	-0.02
581598	2/24/2002 0:00	-0.012	-0.021
581599	2/25/2002 0:00	0.004	-0.021
581600	2/26/2002 0:00	-0.048	-0.019
581601	2/27/2002 0:00	0.003	-0.018
581602	2/28/2002 0:00	-0.014	-0.018
581603	3/1/2002 0:00	0.015	-0.017
581604	3/2/2002 0:00	-0.014	-0.018
581605	3/3/2002 0:00	-0.04	-0.018
581606	3/4/2002 0:00	-0.018	-0.018
581607	3/5/2002 0:00	-0.021	-0.019
581608	3/6/2002 0:00	-0.039	-0.02
581609	3/7/2002 0:00	-0.023	-0.021
581610	3/8/2002 0:00	-0.03	-0.021
581611	3/9/2002 0:00	-0.04	-0.022
581612	3/10/2002 0:00	-0.036	-0.022
581613	3/11/2002 0:00	-0.027	-0.023
581614	3/12/2002 0:00	-0.021	-0.024
581615	3/13/2002 0:00	-0.004	-0.024
581616	3/14/2002 0:00	-0.019	-0.024
581617	3/15/2002 0:00	-0.003	-0.026
581618	3/16/2002 0:00	-0.013	-0.025
581619	3/17/2002 0:00	-0.024	-0.026
581620	3/18/2002 0:00	-0.002	-0.027
581621	3/19/2002 0:00	-0.024	-0.025
581622	3/20/2002 0:00	-0.04	-0.026
581623	3/21/2002 0:00	-0.041	-0.027
581624	3/22/2002 0:00	-0.032	-0.026
581625	3/23/2002 0:00	-0.025	-0.025
581626	3/24/2002 0:00	-0.044	-0.024
581627	3/25/2002 0:00	-0.034	-0.024
581628	3/26/2002 0:00	-0.043	-0.024
581629	3/27/2002 0:00	-0.031	-0.024
581630	3/28/2002 0:00	-0.011	-0.024
581631	3/29/2002 0:00	-0.054	-0.025
581632	3/30/2002 0:00	-0.05	-0.024
581633	3/31/2002 0:00	0.007	-0.023
581634	4/1/2002 0:00	-0.019	-0.023
581635	4/2/2002 0:00	-0.02	-0.022
581636	4/3/2002 0:00	-0.005	-0.023
581637	4/4/2002 0:00	-0.03	-0.023
581638	4/5/2002 0:00	-0.048	-0.023
581639	4/6/2002 0:00	-0.016	-0.022
581640	4/7/2002 0:00	0	-0.022
581641	4/8/2002 0:00	-0.002	-0.021
581642	4/9/2002 0:00	-0.03	-0.02
581643	4/10/2002 0:00	-0.047	-0.02

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581644	4/11/2002 0:00	-0.025	-0.019
581645	4/12/2002 0:00	-0.003	-0.018
581646	4/13/2002 0:00	-0.032	-0.019
581647	4/14/2002 0:00	0.007	-0.018
581648	4/15/2002 0:00	0.02	-0.017
581649	4/16/2002 0:00	-0.005	-0.019
581650	4/17/2002 0:00	-0.013	-0.019
581651	4/18/2002 0:00	-0.027	-0.018
581652	4/19/2002 0:00	-0.026	-0.018
581653	4/20/2002 0:00	-0.027	-0.018
581654	4/21/2002 0:00	-0.026	-0.017
581655	4/22/2002 0:00	-0.015	-0.017
581656	4/23/2002 0:00	0.01	-0.017
581657	4/24/2002 0:00	-0.031	-0.017
581658	4/25/2002 0:00	-0.019	-0.017
581659	4/26/2002 0:00	-0.02	-0.016
581660	4/27/2002 0:00	-0.012	-0.016
581661	4/28/2002 0:00	-0.017	-0.017
581662	4/29/2002 0:00	-0.03	-0.016
581663	4/30/2002 0:00	-0.033	-0.017
581664	5/1/2002 0:00	-0.037	-0.017
581665	5/2/2002 0:00	-0.022	-0.017
581666	5/3/2002 0:00	0.01	-0.017
581667	5/4/2002 0:00	-0.016	-0.017
581668	5/5/2002 0:00	-0.021	-0.015
581669	5/6/2002 0:00	-0.019	-0.014
581670	5/7/2002 0:00	-0.022	-0.014
581671	5/8/2002 0:00	-0.007	-0.013
581672	5/9/2002 0:00	-0.009	-0.013
581673	5/10/2002 0:00	-0.006	-0.014
581674	5/11/2002 0:00	-0.021	-0.013
581675	5/12/2002 0:00	-0.016	-0.011
581676	5/13/2002 0:00	-0.039	-0.011
581677	5/14/2002 0:00	-0.017	-0.01
581678	5/15/2002 0:00	-0.01	-0.009
581679	5/16/2002 0:00	0.017	-0.007
581680	5/17/2002 0:00	-0.007	-0.005
581681	5/18/2002 0:00	-0.021	-0.003
581682	5/19/2002 0:00	-0.003	-0.003
581683	5/20/2002 0:00	0.02	-0.002
581684	5/21/2002 0:00	-0.005	-0.001
581685	5/22/2002 0:00	-0.021	0
581686	5/23/2002 0:00	0.007	0.001
581687	5/24/2002 0:00	0.01	0.001
581688	5/25/2002 0:00	-0.039	0.002
581689	5/26/2002 0:00	0.013	0.002
581690	5/27/2002 0:00	0.027	0.003
581691	5/28/2002 0:00	-0.007	0.004
581692	5/29/2002 0:00	0	0.005
581693	5/30/2002 0:00	0.024	0.006
581694	5/31/2002 0:00	0.01	0.006
581695	6/1/2002 0:00	0.052	0.006
581696	6/2/2002 0:00	0.03	0.006
581697	6/3/2002 0:00	0.019	0.007
581698	6/4/2002 0:00	-0.001	0.008
581699	6/5/2002 0:00	0.003	0.007
581700	6/6/2002 0:00	0.027	0.006
581701	6/7/2002 0:00	0.012	0.007
581702	6/8/2002 0:00	-0.003	0.007
581703	6/9/2002 0:00	0.01	0.007
581704	6/10/2002 0:00	-0.001	0.009
581705	6/11/2002 0:00	-0.006	0.009
581706	6/12/2002 0:00	0.02	0.008
581707	6/13/2002 0:00	-0.002	0.008
581708	6/14/2002 0:00	0.012	0.009
581709	6/15/2002 0:00	0	0.008
581710	6/16/2002 0:00	-0.001	0.008
581711	6/17/2002 0:00	0.017	0.007
581712	6/18/2002 0:00	-0.002	0.005
581713	6/19/2002 0:00	0.025	0.004
581714	6/20/2002 0:00	-0.001	0.005
581715	6/21/2002 0:00	-0.03	0.004
581716	6/22/2002 0:00	-0.014	0.004
581717	6/23/2002 0:00	0.014	0.003

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581718	6/24/2002 0:00	0.015	0.002
581719	6/25/2002 0:00	0.02	0.002
581720	6/26/2002 0:00	0.01	0.001
581721	6/27/2002 0:00	-0.017	0.001
581722	6/28/2002 0:00	0.015	0
581723	6/29/2002 0:00	0.021	0
581724	6/30/2002 0:00	-0.004	0
581725	7/1/2002 0:00	0.015	-0.001
581726	7/2/2002 0:00	0.012	-0.002
581727	7/3/2002 0:00	-0.022	-0.003
581728	7/4/2002 0:00	-0.01	-0.003
581729	7/5/2002 0:00	0.011	-0.005
581730	7/6/2002 0:00	-0.009	-0.006
581731	7/7/2002 0:00	0.011	-0.007
581732	7/8/2002 0:00	-0.012	-0.008
581733	7/9/2002 0:00	-0.018	-0.009
581734	7/10/2002 0:00	-0.013	-0.011
581735	7/11/2002 0:00	-0.023	-0.013
581736	7/12/2002 0:00	0.004	-0.014
581737	7/13/2002 0:00	-0.016	-0.014
581738	7/14/2002 0:00	-0.01	-0.016
581739	7/15/2002 0:00	0.001	-0.018
581740	7/16/2002 0:00	-0.026	-0.02
581741	7/17/2002 0:00	-0.015	-0.022
581742	7/18/2002 0:00	-0.027	-0.023
581743	7/19/2002 0:00	-0.009	-0.024
581744	7/20/2002 0:00	-0.039	-0.025
581745	7/21/2002 0:00	-0.029	-0.027
581746	7/22/2002 0:00	-0.052	-0.028
581747	7/23/2002 0:00	-0.039	-0.03
581748	7/24/2002 0:00	-0.034	-0.031
581749	7/25/2002 0:00	-0.025	-0.032
581750	7/26/2002 0:00	-0.039	-0.033
581751	7/27/2002 0:00	-0.023	-0.033
581752	7/28/2002 0:00	-0.036	-0.034
581753	7/29/2002 0:00	-0.048	-0.035
581754	7/30/2002 0:00	-0.041	-0.036
581755	7/31/2002 0:00	-0.063	-0.038
581756	8/1/2002 0:00	-0.044	-0.038
581757	8/2/2002 0:00	-0.024	-0.038
581758	8/3/2002 0:00	-0.059	-0.038
581759	8/4/2002 0:00	-0.028	-0.038
581760	8/5/2002 0:00	-0.058	-0.038
581761	8/6/2002 0:00	-0.048	-0.039
581762	8/7/2002 0:00	-0.043	-0.038
581763	8/8/2002 0:00	-0.045	-0.039
581764	8/9/2002 0:00	-0.033	-0.039
581765	8/10/2002 0:00	-0.04	-0.039
581766	8/11/2002 0:00	-0.034	-0.039
581767	8/12/2002 0:00	-0.019	-0.039
581768	8/13/2002 0:00	-0.052	-0.039
581769	8/14/2002 0:00	-0.048	-0.039
581770	8/15/2002 0:00	-0.062	-0.038
581771	8/16/2002 0:00	-0.021	-0.038
581772	8/17/2002 0:00	-0.017	-0.037
581773	8/18/2002 0:00	-0.033	-0.038
581774	8/19/2002 0:00	-0.018	-0.037
581775	8/20/2002 0:00	-0.037	-0.037
581776	8/21/2002 0:00	-0.036	-0.036
581777	8/22/2002 0:00	-0.038	-0.035
581778	8/23/2002 0:00	-0.053	-0.035
581779	8/24/2002 0:00	-0.043	-0.034
581780	8/25/2002 0:00	-0.028	-0.033
581781	8/26/2002 0:00	-0.029	-0.032
581782	8/27/2002 0:00	-0.03	-0.031
581783	8/28/2002 0:00	-0.028	-0.031
581784	8/29/2002 0:00	-0.043	-0.03
581785	8/30/2002 0:00	-0.027	-0.029
581786	8/31/2002 0:00	-0.044	-0.027
581787	9/1/2002 0:00	-0.027	-0.027
581788	9/2/2002 0:00	-0.05	-0.027
581789	9/3/2002 0:00	-0.027	-0.025
581790	9/4/2002 0:00	-0.026	-0.025
581791	9/5/2002 0:00	-0.026	-0.024



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581792	9/6/2002 0:00	-0.041	-0.024
581793	9/7/2002 0:00	-0.02	-0.023
581794	9/8/2002 0:00	-0.009	-0.022
581795	9/9/2002 0:00	-0.004	-0.021
581796	9/10/2002 0:00	-0.007	-0.021
581797	9/11/2002 0:00	-0.011	-0.02
581798	9/12/2002 0:00	-0.008	-0.019
581799	9/13/2002 0:00	-0.03	-0.018
581800	9/14/2002 0:00	-0.009	-0.017
581801	9/15/2002 0:00	-0.019	-0.017
581802	9/16/2002 0:00	-0.023	-0.017
581803	9/17/2002 0:00	0	-0.017
581804	9/18/2002 0:00	0.009	-0.016
581805	9/19/2002 0:00	0.006	-0.016
581806	9/20/2002 0:00	-0.021	-0.016
581807	9/21/2002 0:00	-0.025	-0.016
581808	9/22/2002 0:00	-0.021	-0.015
581809	9/23/2002 0:00	-0.022	-0.015
581810	9/24/2002 0:00	0.002	-0.016
581811	9/25/2002 0:00	-0.025	-0.016
581812	9/26/2002 0:00	-0.001	-0.017
581813	9/27/2002 0:00	0.002	-0.018
581814	9/28/2002 0:00	-0.02	-0.018
581815	9/29/2002 0:00	-0.003	-0.017
581816	9/30/2002 0:00	-0.028	-0.017
581817	10/1/2002 0:00	-0.045	-0.017
581818	10/2/2002 0:00	-0.02	-0.016
581819	10/3/2002 0:00	-0.033	-0.016
581820	10/4/2002 0:00	-0.004	-0.016
581821	10/5/2002 0:00	-0.025	-0.016
581822	10/6/2002 0:00	-0.027	-0.016
581823	10/7/2002 0:00	-0.017	-0.016
581824	10/8/2002 0:00	-0.036	-0.017
581825	10/9/2002 0:00	-0.031	-0.016
581826	10/10/2002 0:00	-0.008	-0.017
581827	10/11/2002 0:00	-0.036	-0.016
581828	10/12/2002 0:00	-0.036	-0.017
581829	10/13/2002 0:00	-0.007	-0.019
581830	10/14/2002 0:00	-0.017	-0.02
581831	10/15/2002 0:00	-0.008	-0.02
581832	10/16/2002 0:00	0.007	-0.019
581833	10/17/2002 0:00	0.005	-0.017
581834	10/18/2002 0:00	-0.008	-0.018
581835	10/19/2002 0:00	-0.001	-0.017
581836	10/20/2002 0:00	0.007	-0.017
581837	10/21/2002 0:00	-0.002	-0.016
581838	10/22/2002 0:00	-0.047	-0.016
581839	10/23/2002 0:00	-0.027	-0.017
581840	10/24/2002 0:00	-0.02	-0.016
581841	10/25/2002 0:00	0.001	-0.015
581842	10/26/2002 0:00	-0.021	-0.017
581843	10/27/2002 0:00	-0.032	-0.017
581844	10/28/2002 0:00	-0.034	-0.017
581845	10/29/2002 0:00	-0.058	-0.018
581846	10/31/2002 0:00	-0.004	-0.018
581847	11/1/2002 0:00	-0.003	-0.019
581848	11/2/2002 0:00	0	-0.021
581849	11/3/2002 0:00	-0.035	-0.022
581850	11/4/2002 0:00	0.003	-0.024
581851	11/5/2002 0:00	-0.003	-0.026
581852	11/6/2002 0:00	-0.013	-0.026
581853	11/7/2002 0:00	-0.007	-0.027
581854	11/8/2002 0:00	-0.041	-0.026
581855	11/9/2002 0:00	-0.01	-0.026
581856	11/10/2002 0:00	-0.006	-0.026
581857	11/11/2002 0:00	-0.059	-0.028
581858	11/12/2002 0:00	-0.053	-0.027
581859	11/13/2002 0:00	-0.043	-0.027
581860	11/14/2002 0:00	-0.03	-0.026
581861	11/15/2002 0:00	-0.011	-0.025
581862	11/16/2002 0:00	-0.049	-0.026
581863	11/17/2002 0:00	-0.036	-0.028
581864	11/18/2002 0:00	-0.048	-0.029
581865	11/19/2002 0:00	-0.051	-0.03

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581866	11/20/2002 0:00	-0.06	-0.032
581867	11/21/2002 0:00	-0.015	-0.032
581868	11/22/2002 0:00	-0.02	-0.034
581869	11/23/2002 0:00	-0.034	-0.035
581870	11/24/2002 0:00	-0.018	-0.034
581871	11/25/2002 0:00	-0.032	-0.035
581872	11/26/2002 0:00	-0.033	-0.035
581873	11/27/2002 0:00	-0.01	-0.034
581874	11/28/2002 0:00	-0.012	-0.034
581875	11/29/2002 0:00	-0.009	-0.034
581876	11/30/2002 0:00	-0.032	-0.033
581877	12/1/2002 0:00	-0.047	-0.033
581878	12/2/2002 0:00	-0.043	-0.033
581879	12/3/2002 0:00	-0.046	-0.033
581880	12/4/2002 0:00	-0.052	-0.033
581881	12/5/2002 0:00	-0.054	-0.032
581882	12/6/2002 0:00	-0.026	-0.031
581883	12/7/2002 0:00	-0.063	-0.033
581884	12/8/2002 0:00	-0.027	-0.033
581885	12/9/2002 0:00	-0.033	-0.033
581886	12/10/2002 0:00	-0.018	-0.034
581887	12/11/2002 0:00	-0.016	-0.035
581888	12/12/2002 0:00	-0.037	-0.035
581889	12/13/2002 0:00	-0.059	-0.036
581890	12/14/2002 0:00	-0.018	-0.037
581891	12/15/2002 0:00	-0.008	-0.038
581892	12/16/2002 0:00	-0.023	-0.037
581893	12/17/2002 0:00	-0.036	-0.038
581894	12/18/2002 0:00	-0.033	-0.038
581895	12/19/2002 0:00	-0.046	-0.039
581896	12/20/2002 0:00	-0.025	-0.039
581897	12/21/2002 0:00	-0.05	-0.039
581898	12/22/2002 0:00	-0.049	-0.04
581899	12/23/2002 0:00	-0.041	-0.04
581900	12/24/2002 0:00	-0.031	-0.041
581901	12/25/2002 0:00	-0.056	-0.041
581902	12/26/2002 0:00	-0.04	-0.042
581903	12/27/2002 0:00	-0.041	-0.042
581904	12/28/2002 0:00	-0.039	-0.043
581905	12/29/2002 0:00	-0.035	-0.042
581906	12/30/2002 0:00	-0.041	-0.043
581907	12/31/2002 0:00	-0.026	-0.045
581908	1/1/2003 0:00	-0.064	-0.045
581909	1/2/2003 0:00	-0.055	-0.046
581910	1/3/2003 0:00	-0.062	-0.045
581911	1/4/2003 0:00	-0.066	-0.044
581912	1/5/2003 0:00	-0.047	-0.044
581913	1/6/2003 0:00	-0.057	-0.044
581914	1/7/2003 0:00	-0.073	-0.043
581915	1/8/2003 0:00	-0.049	-0.042
581916	1/9/2003 0:00	-0.037	-0.042
581917	1/10/2003 0:00	-0.03	-0.041
581918	1/11/2003 0:00	-0.046	-0.04
581919	1/12/2003 0:00	-0.037	-0.04
581920	1/13/2003 0:00	-0.035	-0.039
581921	1/14/2003 0:00	-0.059	-0.038
581922	1/15/2003 0:00	-0.053	-0.037
581923	1/16/2003 0:00	-0.041	-0.037
581924	1/17/2003 0:00	-0.057	-0.035
581925	1/18/2003 0:00	-0.017	-0.033
581926	1/19/2003 0:00	-0.013	-0.033
581927	1/20/2003 0:00	-0.027	-0.03
581928	1/21/2003 0:00	-0.043	-0.029
581929	1/22/2003 0:00	-0.01	-0.028
581930	1/23/2003 0:00	-0.021	-0.025
581931	1/24/2003 0:00	-0.018	-0.023
581932	1/25/2003 0:00	-0.018	-0.023
581933	1/26/2003 0:00	-0.023	-0.022
581934	1/27/2003 0:00	-0.036	-0.02
581935	1/28/2003 0:00	-0.008	-0.019
581936	1/29/2003 0:00	-0.001	-0.018
581937	1/30/2003 0:00	-0.022	-0.017
581938	1/31/2003 0:00	-0.021	-0.016
581939	2/1/2003 0:00	-0.002	-0.014

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
581940	2/2/2003 0:00	-0.01	-0.013
581941	2/3/2003 0:00	-0.032	-0.013
581942	2/4/2003 0:00	0.007	-0.014
581943	2/5/2003 0:00	-0.025	-0.014
581944	2/6/2003 0:00	-0.001	-0.013
581945	2/7/2003 0:00	0.006	-0.013
581946	2/8/2003 0:00	0.003	-0.013
581947	2/9/2003 0:00	-0.01	-0.013
581948	2/10/2003 0:00	-0.007	-0.014
581949	2/11/2003 0:00	0.007	-0.013
581950	2/12/2003 0:00	-0.005	-0.013
581951	2/13/2003 0:00	-0.016	-0.013
581952	2/14/2003 0:00	-0.015	-0.014
581953	2/15/2003 0:00	-0.016	-0.014
581954	2/16/2003 0:00	0.002	-0.014
581955	2/17/2003 0:00	-0.013	-0.015
581956	2/18/2003 0:00	-0.014	-0.014
581957	2/19/2003 0:00	-0.045	-0.014
581958	2/20/2003 0:00	-0.027	-0.016
581959	2/21/2003 0:00	-0.003	-0.016
581960	2/22/2003 0:00	-0.014	-0.017
581961	2/23/2003 0:00	-0.015	-0.018
581962	2/24/2003 0:00	-0.035	-0.019
581963	2/25/2003 0:00	-0.035	-0.02
581964	2/26/2003 0:00	-0.014	-0.02
581965	2/27/2003 0:00	-0.022	-0.02
581966	2/28/2003 0:00	-0.02	-0.02
581967	3/1/2003 0:00	-0.024	-0.02
581968	3/2/2003 0:00	-0.029	-0.02
581969	3/3/2003 0:00	-0.024	-0.02
581970	3/4/2003 0:00	-0.006	-0.021
581971	3/5/2003 0:00	-0.005	-0.022
581972	3/6/2003 0:00	-0.019	-0.022
581973	3/7/2003 0:00	-0.049	-0.022
581974	3/8/2003 0:00	-0.038	-0.022
581975	3/9/2003 0:00	-0.04	-0.022
581976	3/10/2003 0:00	-0.022	-0.023
581977	3/11/2003 0:00	-0.02	-0.024
581978	3/12/2003 0:00	-0.04	-0.024
581979	3/13/2003 0:00	0.003	-0.024
581980	3/14/2003 0:00	-0.01	-0.025
581981	3/15/2003 0:00	-0.005	-0.026
581982	3/16/2003 0:00	-0.004	-0.025
581983	3/17/2003 0:00	-0.024	-0.025
581984	3/18/2003 0:00	-0.006	-0.025
581985	3/19/2003 0:00	-0.025	-0.024
581986	3/20/2003 0:00	-0.045	-0.025
581987	3/21/2003 0:00	-0.013	-0.026
581988	3/22/2003 0:00	-0.051	-0.026
581989	3/23/2003 0:00	-0.032	-0.025
581990	3/24/2003 0:00	-0.014	-0.026
581991	3/25/2003 0:00	-0.036	-0.025
581992	3/26/2003 0:00	-0.035	-0.025
581993	3/27/2003 0:00	-0.046	-0.025
581994	3/28/2003 0:00	-0.019	-0.024
581995	3/29/2003 0:00	-0.052	-0.025
581996	3/30/2003 0:00	-0.045	-0.026
581997	3/31/2003 0:00	-0.011	-0.026
581998	4/1/2003 0:00	-0.01	-0.026
581999	4/2/2003 0:00	-0.025	-0.027
582000	4/3/2003 0:00	-0.016	-0.026
582001	4/4/2003 0:00	-0.028	-0.026
582002	4/5/2003 0:00	-0.028	-0.026
582003	4/6/2003 0:00	-0.022	-0.026
582004	4/7/2003 0:00	-0.03	-0.025
582005	4/8/2003 0:00	-0.04	-0.025
582006	4/9/2003 0:00	-0.023	-0.025
582007	4/10/2003 0:00	-0.02	-0.024
582008	4/11/2003 0:00	-0.03	-0.024
582009	4/12/2003 0:00	-0.013	-0.023
582010	4/13/2003 0:00	-0.012	-0.023
582011	4/14/2003 0:00	-0.038	-0.022
582012	4/15/2003 0:00	-0.011	-0.021
582013	4/16/2003 0:00	-0.02	-0.022

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582014	4/17/2003 0:00	-0.027	-0.022
582015	4/18/2003 0:00	-0.001	-0.021
582016	4/19/2003 0:00	-0.028	-0.022
582017	4/20/2003 0:00	-0.029	-0.021
582018	4/21/2003 0:00	-0.014	-0.02
582019	4/22/2003 0:00	-0.025	-0.02
582020	4/23/2003 0:00	-0.015	-0.019
582021	4/24/2003 0:00	-0.02	-0.018
582022	4/25/2003 0:00	-0.016	-0.018
582023	4/26/2003 0:00	-0.016	-0.017
582024	4/27/2003 0:00	-0.03	-0.017
582025	4/28/2003 0:00	-0.024	-0.017
582026	4/29/2003 0:00	-0.007	-0.017
582027	4/30/2003 0:00	-0.023	-0.017
582028	5/1/2003 0:00	-0.036	-0.016
582029	5/2/2003 0:00	-0.022	-0.016
582030	5/3/2003 0:00	0.012	-0.016
582031	5/4/2003 0:00	-0.031	-0.017
582032	5/5/2003 0:00	-0.002	-0.017
582033	5/6/2003 0:00	-0.007	-0.017
582034	5/7/2003 0:00	-0.013	-0.017
582035	5/8/2003 0:00	0.002	-0.017
582036	5/9/2003 0:00	-0.018	-0.018
582037	5/10/2003 0:00	-0.019	-0.018
582038	5/11/2003 0:00	-0.005	-0.018
582039	5/12/2003 0:00	-0.013	-0.018
582040	5/13/2003 0:00	-0.014	-0.019
582041	5/14/2003 0:00	-0.024	-0.018
582042	5/15/2003 0:00	-0.02	-0.018
582043	5/16/2003 0:00	0.004	-0.018
582044	5/17/2003 0:00	-0.028	-0.018
582045	5/18/2003 0:00	-0.026	-0.019
582046	5/19/2003 0:00	-0.016	-0.02
582047	5/20/2003 0:00	-0.041	-0.019
582048	5/21/2003 0:00	-0.016	-0.019
582049	5/22/2003 0:00	-0.027	-0.019
582050	5/23/2003 0:00	-0.024	-0.019
582051	5/24/2003 0:00	-0.027	-0.02
582052	5/25/2003 0:00	-0.018	-0.02
582053	5/26/2003 0:00	-0.022	-0.02
582054	5/27/2003 0:00	-0.035	-0.02
582055	5/28/2003 0:00	-0.04	-0.02
582056	5/29/2003 0:00	0.011	-0.02
582057	5/30/2003 0:00	-0.021	-0.02
582058	5/31/2003 0:00	-0.033	-0.02
582059	6/1/2003 0:00	-0.03	-0.021
582060	6/2/2003 0:00	-0.039	-0.021
582061	6/3/2003 0:00	-0.012	-0.021
582062	6/4/2003 0:00	-0.01	-0.021
582063	6/5/2003 0:00	-0.001	-0.02
582064	6/6/2003 0:00	-0.015	-0.021
582065	6/7/2003 0:00	-0.026	-0.02
582066	6/8/2003 0:00	-0.029	-0.019
582067	6/9/2003 0:00	-0.015	-0.019
582068	6/10/2003 0:00	0.004	-0.018
582069	6/11/2003 0:00	-0.006	-0.018
582070	6/12/2003 0:00	-0.028	-0.018
582071	6/13/2003 0:00	-0.014	-0.017
582072	6/14/2003 0:00	-0.02	-0.018
582073	6/15/2003 0:00	-0.036	-0.018
582074	6/16/2003 0:00	-0.021	-0.018
582075	6/17/2003 0:00	-0.028	-0.018
582076	6/18/2003 0:00	-0.02	-0.018
582077	6/19/2003 0:00	-0.026	-0.019
582078	6/20/2003 0:00	-0.006	-0.02
582079	6/21/2003 0:00	-0.025	-0.021
582080	6/22/2003 0:00	-0.01	-0.021
582081	6/23/2003 0:00	0.008	-0.022
582082	6/24/2003 0:00	-0.016	-0.022
582083	6/25/2003 0:00	-0.008	-0.023
582084	6/26/2003 0:00	-0.015	-0.024
582085	6/27/2003 0:00	-0.019	-0.024
582086	6/28/2003 0:00	-0.021	-0.025
582087	6/29/2003 0:00	-0.023	-0.025

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582088	6/30/2003 0:00	-0.021	-0.026
582089	7/1/2003 0:00	-0.036	-0.026
582090	7/2/2003 0:00	-0.032	-0.026
582091	7/3/2003 0:00	-0.031	-0.027
582092	7/4/2003 0:00	-0.061	-0.028
582093	7/5/2003 0:00	-0.034	-0.029
582094	7/6/2003 0:00	-0.021	-0.031
582095	7/7/2003 0:00	-0.029	-0.032
582096	7/8/2003 0:00	-0.055	-0.032
582097	7/9/2003 0:00	-0.034	-0.034
582098	7/10/2003 0:00	-0.025	-0.034
582099	7/11/2003 0:00	-0.029	-0.035
582100	7/12/2003 0:00	-0.021	-0.036
582101	7/13/2003 0:00	-0.037	-0.037
582102	7/14/2003 0:00	-0.036	-0.037
582103	7/15/2003 0:00	-0.041	-0.037
582104	7/16/2003 0:00	-0.027	-0.038
582105	7/17/2003 0:00	-0.023	-0.037
582106	7/18/2003 0:00	-0.061	-0.037
582107	7/19/2003 0:00	-0.058	-0.037
582108	7/20/2003 0:00	-0.066	-0.036
582109	7/21/2003 0:00	-0.044	-0.037
582110	7/22/2003 0:00	-0.062	-0.037
582111	7/23/2003 0:00	-0.016	-0.038
582112	7/24/2003 0:00	-0.041	-0.038
582113	7/25/2003 0:00	-0.031	-0.039
582114	7/26/2003 0:00	-0.042	-0.039
582115	7/27/2003 0:00	-0.029	-0.04
582116	7/28/2003 0:00	-0.061	-0.04
582117	7/29/2003 0:00	-0.019	-0.04
582118	7/30/2003 0:00	-0.031	-0.041
582119	7/31/2003 0:00	-0.047	-0.041
582120	8/1/2003 0:00	-0.006	-0.042
582121	8/2/2003 0:00	-0.026	-0.042
582122	8/3/2003 0:00	-0.038	-0.042
582123	8/4/2003 0:00	-0.039	-0.041
582124	8/5/2003 0:00	-0.044	-0.041
582125	8/6/2003 0:00	-0.036	-0.041
582126	8/7/2003 0:00	-0.054	-0.04
582127	8/8/2003 0:00	-0.059	-0.042
582128	8/9/2003 0:00	-0.068	-0.043
582129	8/10/2003 0:00	-0.031	-0.043
582130	8/11/2003 0:00	-0.035	-0.043
582131	8/12/2003 0:00	-0.035	-0.043
582132	8/13/2003 0:00	-0.039	-0.043
582133	8/14/2003 0:00	-0.053	-0.045
582134	8/15/2003 0:00	-0.048	-0.045
582135	8/16/2003 0:00	-0.051	-0.045
582136	8/17/2003 0:00	-0.042	-0.046
582137	8/18/2003 0:00	-0.05	-0.047
582138	8/19/2003 0:00	-0.041	-0.048
582139	8/20/2003 0:00	-0.06	-0.048
582140	8/21/2003 0:00	-0.054	-0.048
582141	8/22/2003 0:00	-0.032	-0.049
582142	8/23/2003 0:00	-0.061	-0.049
582143	8/24/2003 0:00	-0.059	-0.049
582144	8/25/2003 0:00	-0.033	-0.048
582145	8/26/2003 0:00	-0.047	-0.048
582146	8/27/2003 0:00	-0.043	-0.048
582147	8/28/2003 0:00	-0.056	-0.047
582148	8/29/2003 0:00	-0.064	-0.048
582149	8/30/2003 0:00	-0.042	-0.048
582150	8/31/2003 0:00	-0.041	-0.048
582151	9/1/2003 0:00	-0.05	-0.048
582152	9/2/2003 0:00	-0.065	-0.048
582153	9/3/2003 0:00	-0.058	-0.047
582154	9/4/2003 0:00	-0.041	-0.047
582155	9/5/2003 0:00	-0.046	-0.047
582156	9/6/2003 0:00	-0.055	-0.046
582157	9/7/2003 0:00	-0.066	-0.047
582158	9/8/2003 0:00	-0.047	-0.047
582159	9/9/2003 0:00	-0.039	-0.046
582160	9/10/2003 0:00	-0.031	-0.047
582161	9/11/2003 0:00	-0.031	-0.046

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582162	9/12/2003 0:00	-0.029	-0.046
582163	9/13/2003 0:00	-0.053	-0.045
582164	9/14/2003 0:00	-0.054	-0.044
582165	9/15/2003 0:00	-0.057	-0.044
582166	9/16/2003 0:00	-0.04	-0.045
582167	9/17/2003 0:00	-0.041	-0.045
582168	9/18/2003 0:00	-0.033	-0.043
582169	9/19/2003 0:00	-0.042	-0.042
582170	9/20/2003 0:00	-0.04	-0.042
582171	9/21/2003 0:00	-0.038	-0.042
582172	9/22/2003 0:00	-0.047	-0.041
582173	9/23/2003 0:00	-0.06	-0.04
582174	9/24/2003 0:00	-0.043	-0.039
582175	9/25/2003 0:00	-0.06	-0.039
582176	9/26/2003 0:00	-0.027	-0.039
582177	9/27/2003 0:00	-0.032	-0.039
582178	9/28/2003 0:00	-0.028	-0.039
582179	9/29/2003 0:00	-0.032	-0.038
582180	9/30/2003 0:00	-0.053	-0.037
582181	10/1/2003 0:00	-0.06	-0.036
582182	10/2/2003 0:00	-0.033	-0.037
582183	10/3/2003 0:00	-0.029	-0.037
582184	10/4/2003 0:00	-0.024	-0.037
582185	10/5/2003 0:00	-0.02	-0.038
582186	10/6/2003 0:00	-0.057	-0.039
582187	10/7/2003 0:00	-0.033	-0.039
582188	10/8/2003 0:00	-0.021	-0.039
582189	10/9/2003 0:00	-0.026	-0.038
582190	10/10/2003 0:00	-0.037	-0.039
582191	10/11/2003 0:00	-0.014	-0.04
582192	10/12/2003 0:00	-0.048	-0.04
582193	10/13/2003 0:00	-0.017	-0.041
582194	10/14/2003 0:00	-0.027	-0.041
582195	10/15/2003 0:00	-0.038	-0.042
582196	10/16/2003 0:00	-0.026	-0.042
582197	10/17/2003 0:00	-0.053	-0.042
582198	10/18/2003 0:00	-0.044	-0.042
582199	10/19/2003 0:00	-0.052	-0.042
582200	10/20/2003 0:00	-0.054	-0.043
582201	10/21/2003 0:00	-0.067	-0.045
582202	10/22/2003 0:00	-0.044	-0.045
582203	10/23/2003 0:00	-0.048	-0.045
582204	10/24/2003 0:00	-0.04	-0.047
582205	10/25/2003 0:00	-0.061	-0.048
582206	10/26/2003 0:00	-0.085	-0.048
582207	10/27/2003 0:00	-0.048	-0.05
582208	10/28/2003 0:00	-0.047	-0.05
582209	10/29/2003 0:00	-0.036	-0.051
582210	10/30/2003 0:00	-0.054	-0.052
582211	10/31/2003 0:00	-0.067	-0.052
582212	11/1/2003 0:00	-0.046	-0.053
582213	11/2/2003 0:00	-0.039	-0.053
582214	11/3/2003 0:00	-0.039	-0.054
582215	11/4/2003 0:00	-0.059	-0.053
582216	11/5/2003 0:00	-0.058	-0.053
582217	11/6/2003 0:00	-0.066	-0.052
582218	11/7/2003 0:00	-0.041	-0.052
582219	11/8/2003 0:00	-0.066	-0.053
582220	11/9/2003 0:00	-0.062	-0.053
582221	11/10/2003 0:00	-0.056	-0.051
582222	11/11/2003 0:00	-0.049	-0.05
582223	11/12/2003 0:00	-0.052	-0.05
582224	11/13/2003 0:00	-0.059	-0.051
582225	11/14/2003 0:00	-0.051	-0.05
582226	11/15/2003 0:00	-0.036	-0.05
582227	11/16/2003 0:00	-0.054	-0.049
582228	11/17/2003 0:00	-0.059	-0.049
582229	11/18/2003 0:00	-0.066	-0.049
582230	11/19/2003 0:00	-0.042	-0.05
582231	11/20/2003 0:00	-0.036	-0.049
582232	11/21/2003 0:00	-0.033	-0.048
582233	11/22/2003 0:00	-0.061	-0.046
582234	11/23/2003 0:00	-0.062	-0.046
582235	11/24/2003 0:00	-0.041	-0.045

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582236	11/25/2003 0:00	-0.026	-0.044
582237	11/26/2003 0:00	-0.041	-0.044
582238	11/27/2003 0:00	-0.057	-0.044
582239	11/28/2003 0:00	-0.059	-0.043
582240	11/29/2003 0:00	-0.024	-0.043
582241	11/30/2003 0:00	-0.058	-0.044
582242	12/1/2003 0:00	-0.02	-0.044
582243	12/2/2003 0:00	-0.053	-0.044
582244	12/3/2003 0:00	-0.041	-0.043
582245	12/4/2003 0:00	-0.053	-0.043
582246	12/5/2003 0:00	-0.035	-0.043
582247	12/6/2003 0:00	-0.018	-0.043
582248	12/7/2003 0:00	-0.024	-0.044
582249	12/8/2003 0:00	-0.04	-0.043
582250	12/9/2003 0:00	-0.044	-0.043
582251	12/10/2003 0:00	-0.029	-0.043
582252	12/11/2003 0:00	-0.037	-0.043
582253	12/12/2003 0:00	-0.048	-0.044
582254	12/13/2003 0:00	-0.034	-0.044
582255	12/14/2003 0:00	-0.054	-0.043
582256	12/15/2003 0:00	-0.071	-0.044
582257	12/16/2003 0:00	-0.055	-0.043
582258	12/17/2003 0:00	-0.039	-0.043
582259	12/18/2003 0:00	-0.041	-0.044
582260	12/19/2003 0:00	-0.052	-0.043
582261	12/20/2003 0:00	-0.035	-0.044
582262	12/21/2003 0:00	-0.045	-0.045
582263	12/22/2003 0:00	-0.055	-0.046
582264	12/23/2003 0:00	-0.057	-0.047
582265	12/24/2003 0:00	-0.054	-0.048
582266	12/25/2003 0:00	-0.038	-0.049
582267	12/26/2003 0:00	-0.028	-0.05
582268	12/27/2003 0:00	-0.068	-0.051
582269	12/28/2003 0:00	-0.043	-0.052
582270	12/29/2003 0:00	-0.051	-0.054
582271	12/30/2003 0:00	-0.036	-0.055
582272	12/31/2003 0:00	-0.043	-0.055
582273	1/1/2004 0:00	-0.023	-0.055
582274	1/2/2004 0:00	-0.064	-0.056
582275	1/3/2004 0:00	-0.031	-0.056
582276	1/4/2004 0:00	-0.057	-0.056
582277	1/5/2004 0:00	-0.072	-0.058
582278	1/6/2004 0:00	-0.063	-0.059
582279	1/7/2004 0:00	-0.054	-0.06
582280	1/8/2004 0:00	-0.067	-0.061
582281	1/9/2004 0:00	-0.074	-0.061
582282	1/10/2004 0:00	-0.075	-0.061
582283	1/11/2004 0:00	-0.05	-0.061
582284	1/12/2004 0:00	-0.097	-0.062
582285	1/13/2004 0:00	-0.08	-0.062
582286	1/14/2004 0:00	-0.085	-0.061
582287	1/15/2004 0:00	-0.075	-0.061
582288	1/16/2004 0:00	-0.063	-0.06
582289	1/17/2004 0:00	-0.046	-0.062
582290	1/18/2004 0:00	-0.066	-0.062
582291	1/19/2004 0:00	-0.048	-0.062
582292	1/20/2004 0:00	-0.092	-0.061
582293	1/21/2004 0:00	-0.081	-0.06
582294	1/22/2004 0:00	-0.086	-0.058
582295	1/23/2004 0:00	-0.073	-0.059
582296	1/24/2004 0:00	-0.057	-0.059
582297	1/25/2004 0:00	-0.051	-0.058
582298	1/26/2004 0:00	-0.015	-0.057
582299	1/27/2004 0:00	-0.095	-0.056
582300	1/28/2004 0:00	-0.062	-0.056
582301	1/29/2004 0:00	-0.018	-0.054
582302	1/30/2004 0:00	-0.021	-0.054
582303	1/31/2004 0:00	-0.033	-0.053
582304	2/1/2004 0:00	-0.062	-0.052
582305	2/2/2004 0:00	-0.06	-0.054
582306	2/3/2004 0:00	-0.032	-0.055
582307	2/4/2004 0:00	-0.037	-0.056
582308	2/5/2004 0:00	-0.027	-0.054
582309	2/6/2004 0:00	-0.03	-0.053

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582310	2/7/2004 0:00	-0.055	-0.05
582311	2/8/2004 0:00	-0.073	-0.05
582312	2/9/2004 0:00	-0.049	-0.05
582313	2/10/2004 0:00	-0.033	-0.049
582314	2/11/2004 0:00	-0.048	-0.05
582315	2/12/2004 0:00	-0.069	-0.048
582316	2/13/2004 0:00	-0.041	-0.048
582317	2/14/2004 0:00	-0.061	-0.05
582318	2/15/2004 0:00	-0.056	-0.052
582319	2/16/2004 0:00	-0.049	-0.052
582320	2/17/2004 0:00	-0.09	-0.053
582321	2/18/2004 0:00	-0.117	-0.053
582322	2/19/2004 0:00	-0.052	-0.053
582323	2/20/2004 0:00	-0.03	-0.055
582324	2/21/2004 0:00	-0.055	-0.056
582325	2/22/2004 0:00	-0.009	-0.058
582326	2/23/2004 0:00	-0.058	-0.058
582327	2/24/2004 0:00	-0.048	-0.058
582328	2/25/2004 0:00	-0.029	-0.059
582329	2/26/2004 0:00	-0.066	-0.06
582330	2/27/2004 0:00	-0.03	-0.06
582331	2/28/2004 0:00	-0.059	-0.061
582332	2/29/2004 0:00	-0.065	-0.061
582333	3/1/2004 0:00	-0.084	-0.062
582334	3/2/2004 0:00	-0.041	-0.062
582335	3/3/2004 0:00	-0.083	-0.062
582336	3/4/2004 0:00	-0.071	-0.06
582337	3/5/2004 0:00	-0.042	-0.059
582338	3/6/2004 0:00	-0.077	-0.06
582339	3/7/2004 0:00	-0.077	-0.061
582340	3/8/2004 0:00	-0.065	-0.06
582341	3/9/2004 0:00	-0.073	-0.061
582342	3/10/2004 0:00	-0.073	-0.06
582343	3/11/2004 0:00	-0.073	-0.061
582344	3/12/2004 0:00	-0.076	-0.061
582345	3/13/2004 0:00	-0.043	-0.061
582346	3/14/2004 0:00	-0.081	-0.062
582347	3/15/2004 0:00	-0.07	-0.061
582348	3/16/2004 0:00	-0.071	-0.061
582349	3/17/2004 0:00	-0.075	-0.061
582350	3/18/2004 0:00	-0.042	-0.06
582351	3/19/2004 0:00	-0.023	-0.06
582352	3/20/2004 0:00	-0.071	-0.059
582353	3/21/2004 0:00	-0.082	-0.06
582354	3/22/2004 0:00	-0.073	-0.059
582355	3/23/2004 0:00	-0.033	-0.059
582356	3/24/2004 0:00	-0.041	-0.059
582357	3/25/2004 0:00	-0.035	-0.058
582358	3/26/2004 0:00	-0.053	-0.058
582359	3/27/2004 0:00	-0.048	-0.057
582360	3/28/2004 0:00	-0.058	-0.057
582361	3/29/2004 0:00	-0.067	-0.057
582362	3/30/2004 0:00	-0.036	-0.057
582363	3/31/2004 0:00	-0.055	-0.056
582364	4/1/2004 0:00	-0.072	-0.056
582365	4/2/2004 0:00	-0.033	-0.056
582366	4/3/2004 0:00	-0.064	-0.055
582367	4/4/2004 0:00	-0.057	-0.056
582368	4/5/2004 0:00	-0.05	-0.056
582369	4/6/2004 0:00	-0.065	-0.054
582370	4/7/2004 0:00	-0.074	-0.054
582371	4/8/2004 0:00	-0.05	-0.054
582372	4/9/2004 0:00	-0.061	-0.055
582373	4/10/2004 0:00	-0.052	-0.055
582374	4/11/2004 0:00	-0.055	-0.056
582375	4/12/2004 0:00	-0.069	-0.055
582376	4/13/2004 0:00	-0.063	-0.054
582377	4/14/2004 0:00	-0.066	-0.053
582378	4/15/2004 0:00	-0.056	-0.054
582379	4/16/2004 0:00	-0.058	-0.054
582380	4/17/2004 0:00	-0.066	-0.053
582381	4/18/2004 0:00	-0.025	-0.054
582382	4/19/2004 0:00	-0.061	-0.054
582383	4/20/2004 0:00	-0.049	-0.053



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582384	4/21/2004 0:00	-0.043	-0.053
582385	4/22/2004 0:00	-0.052	-0.052
582386	4/23/2004 0:00	-0.038	-0.051
582387	4/24/2004 0:00	-0.069	-0.05
582388	4/25/2004 0:00	-0.042	-0.049
582389	4/26/2004 0:00	-0.071	-0.048
582390	4/27/2004 0:00	-0.029	-0.047
582391	4/28/2004 0:00	-0.023	-0.046
582392	4/29/2004 0:00	-0.05	-0.045
582393	4/30/2004 0:00	-0.065	-0.045
582394	5/1/2004 0:00	-0.056	-0.044
582395	5/2/2004 0:00	-0.042	-0.044
582396	5/3/2004 0:00	-0.06	-0.044
582397	5/4/2004 0:00	-0.043	-0.045
582398	5/5/2004 0:00	-0.024	-0.045
582399	5/6/2004 0:00	-0.054	-0.045
582400	5/7/2004 0:00	-0.044	-0.045
582401	5/8/2004 0:00	-0.031	-0.045
582402	5/9/2004 0:00	-0.048	-0.045
582403	5/10/2004 0:00	-0.021	-0.044
582404	5/11/2004 0:00	-0.013	-0.045
582405	5/12/2004 0:00	-0.018	-0.044
582406	5/13/2004 0:00	-0.043	-0.045
582407	5/14/2004 0:00	-0.04	-0.046
582408	5/15/2004 0:00	-0.056	-0.046
582409	5/16/2004 0:00	-0.034	-0.045
582410	5/17/2004 0:00	-0.057	-0.044
582411	5/18/2004 0:00	-0.071	-0.045
582412	5/19/2004 0:00	-0.05	-0.045
582413	5/20/2004 0:00	-0.049	-0.046
582414	5/21/2004 0:00	-0.052	-0.047
582415	5/22/2004 0:00	-0.055	-0.047
582416	5/23/2004 0:00	-0.058	-0.047
582417	5/24/2004 0:00	-0.037	-0.047
582418	5/25/2004 0:00	-0.046	-0.047
582419	5/26/2004 0:00	-0.055	-0.048
582420	5/27/2004 0:00	-0.035	-0.049
582421	5/28/2004 0:00	-0.072	-0.05
582422	5/29/2004 0:00	-0.044	-0.05
582423	5/30/2004 0:00	-0.045	-0.051
582424	5/31/2004 0:00	-0.041	-0.051
582425	6/1/2004 0:00	-0.044	-0.052
582426	6/2/2004 0:00	-0.062	-0.052
582427	6/3/2004 0:00	-0.07	-0.052
582428	6/4/2004 0:00	-0.058	-0.053
582429	6/5/2004 0:00	-0.065	-0.053
582430	6/6/2004 0:00	-0.039	-0.054
582431	6/7/2004 0:00	-0.04	-0.053
582432	6/8/2004 0:00	-0.053	-0.053
582433	6/9/2004 0:00	-0.022	-0.054
582434	6/10/2004 0:00	-0.055	-0.055
582435	6/11/2004 0:00	-0.047	-0.055
582436	6/12/2004 0:00	-0.042	-0.055
582437	6/13/2004 0:00	-0.048	-0.055
582438	6/14/2004 0:00	-0.068	-0.056
582439	6/15/2004 0:00	-0.071	-0.057
582440	6/16/2004 0:00	-0.069	-0.057
582441	6/17/2004 0:00	-0.051	-0.058
582442	6/18/2004 0:00	-0.074	-0.059
582443	6/19/2004 0:00	-0.067	-0.059
582444	6/20/2004 0:00	-0.067	-0.059
582445	6/21/2004 0:00	-0.065	-0.059
582446	6/22/2004 0:00	-0.029	-0.059
582447	6/23/2004 0:00	-0.066	-0.06
582448	6/24/2004 0:00	-0.061	-0.06
582449	6/25/2004 0:00	-0.067	-0.062
582450	6/26/2004 0:00	-0.06	-0.062
582451	6/27/2004 0:00	-0.053	-0.062
582452	6/28/2004 0:00	-0.047	-0.063
582453	6/29/2004 0:00	-0.081	-0.064
582454	6/30/2004 0:00	-0.088	-0.063
582455	7/1/2004 0:00	-0.052	-0.063
582456	7/2/2004 0:00	-0.071	-0.063
582457	7/3/2004 0:00	-0.067	-0.064

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582458	7/4/2004 0:00	-0.075	-0.063
582459	7/5/2004 0:00	-0.063	-0.063
582460	7/6/2004 0:00	-0.059	-0.063
582461	7/7/2004 0:00	-0.05	-0.063
582462	7/8/2004 0:00	-0.063	-0.064
582463	7/9/2004 0:00	-0.061	-0.064
582464	7/10/2004 0:00	-0.07	-0.065
582465	7/11/2004 0:00	-0.069	-0.065
582466	7/12/2004 0:00	-0.058	-0.066
582467	7/13/2004 0:00	-0.064	-0.066
582468	7/14/2004 0:00	-0.068	-0.067
582469	7/15/2004 0:00	-0.062	-0.066
582470	7/16/2004 0:00	-0.048	-0.066
582471	7/17/2004 0:00	-0.067	-0.067
582472	7/18/2004 0:00	-0.079	-0.067
582473	7/19/2004 0:00	-0.057	-0.067
582474	7/20/2004 0:00	-0.066	-0.066
582475	7/21/2004 0:00	-0.074	-0.066
582476	7/22/2004 0:00	-0.069	-0.067
582477	7/23/2004 0:00	-0.065	-0.068
582478	7/24/2004 0:00	-0.065	-0.068
582479	7/25/2004 0:00	-0.074	-0.068
582480	7/26/2004 0:00	-0.072	-0.069
582481	7/27/2004 0:00	-0.079	-0.069
582482	7/28/2004 0:00	-0.054	-0.069
582483	7/29/2004 0:00	-0.074	-0.07
582484	7/30/2004 0:00	-0.073	-0.07
582485	7/31/2004 0:00	-0.071	-0.071
582486	8/1/2004 0:00	-0.08	-0.072
582487	8/2/2004 0:00	-0.083	-0.073
582488	8/3/2004 0:00	-0.069	-0.072
582489	8/4/2004 0:00	-0.052	-0.073
582490	8/5/2004 0:00	-0.068	-0.074
582491	8/6/2004 0:00	-0.079	-0.074
582492	8/7/2004 0:00	-0.077	-0.074
582493	8/8/2004 0:00	-0.057	-0.075
582494	8/9/2004 0:00	-0.08	-0.076
582495	8/10/2004 0:00	-0.078	-0.076
582496	8/11/2004 0:00	-0.076	-0.076
582497	8/12/2004 0:00	-0.07	-0.076
582498	8/13/2004 0:00	-0.097	-0.077
582499	8/14/2004 0:00	-0.07	-0.078
582500	8/15/2004 0:00	-0.072	-0.078
582501	8/16/2004 0:00	-0.082	-0.079
582502	8/17/2004 0:00	-0.091	-0.079
582503	8/18/2004 0:00	-0.07	-0.08
582504	8/19/2004 0:00	-0.084	-0.08
582505	8/20/2004 0:00	-0.098	-0.081
582506	8/21/2004 0:00	-0.078	-0.081
582507	8/22/2004 0:00	-0.065	-0.081
582508	8/23/2004 0:00	-0.095	-0.081
582509	8/24/2004 0:00	-0.085	-0.082
582510	8/25/2004 0:00	-0.069	-0.082
582511	8/26/2004 0:00	-0.079	-0.082
582512	8/27/2004 0:00	-0.094	-0.082
582513	8/28/2004 0:00	-0.081	-0.082
582514	8/29/2004 0:00	-0.092	-0.082
582515	8/30/2004 0:00	-0.071	-0.082
582516	8/31/2004 0:00	-0.099	-0.082
582517	9/1/2004 0:00	-0.086	-0.081
582518	9/2/2004 0:00	-0.104	-0.081
582519	9/3/2004 0:00	-0.078	-0.082
582520	9/4/2004 0:00	-0.086	-0.081
582521	9/5/2004 0:00	-0.063	-0.08
582522	9/6/2004 0:00	-0.073	-0.08
582523	9/7/2004 0:00	-0.076	-0.081
582524	9/8/2004 0:00	-0.09	-0.081
582525	9/9/2004 0:00	-0.077	-0.081
582526	9/10/2004 0:00	-0.092	-0.081
582527	9/11/2004 0:00	-0.086	-0.082
582528	9/12/2004 0:00	-0.065	-0.081
582529	9/13/2004 0:00	-0.081	-0.082
582530	9/14/2004 0:00	-0.075	-0.082
582531	9/15/2004 0:00	-0.062	-0.083

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582532	9/16/2004 0:00	-0.078	-0.083
582533	9/17/2004 0:00	-0.089	-0.083
582534	9/18/2004 0:00	-0.078	-0.082
582535	9/19/2004 0:00	-0.067	-0.083
582536	9/20/2004 0:00	-0.07	-0.083
582537	9/21/2004 0:00	-0.084	-0.084
582538	9/22/2004 0:00	-0.092	-0.085
582539	9/23/2004 0:00	-0.082	-0.085
582540	9/24/2004 0:00	-0.091	-0.085
582541	9/25/2004 0:00	-0.084	-0.085
582542	9/26/2004 0:00	-0.091	-0.084
582543	9/27/2004 0:00	-0.073	-0.083
582544	9/28/2004 0:00	-0.096	-0.083
582545	9/29/2004 0:00	-0.101	-0.084
582546	9/30/2004 0:00	-0.099	-0.084
582547	10/1/2004 0:00	-0.092	-0.086
582548	10/2/2004 0:00	-0.089	-0.085
582549	10/3/2004 0:00	-0.08	-0.086
582550	10/4/2004 0:00	-0.1	-0.086
582551	10/5/2004 0:00	-0.108	-0.086
582552	10/6/2004 0:00	-0.081	-0.087
582553	10/7/2004 0:00	-0.094	-0.087
582554	10/8/2004 0:00	-0.084	-0.087
582555	10/9/2004 0:00	-0.079	-0.087
582556	10/10/2004 0:00	-0.075	-0.086
582557	10/11/2004 0:00	-0.067	-0.087
582558	10/12/2004 0:00	-0.065	-0.087
582559	10/13/2004 0:00	-0.064	-0.087
582560	10/14/2004 0:00	-0.101	-0.087
582561	10/15/2004 0:00	-0.097	-0.087
582562	10/16/2004 0:00	-0.103	-0.087
582563	10/17/2004 0:00	-0.068	-0.087
582564	10/18/2004 0:00	-0.104	-0.088
582565	10/19/2004 0:00	-0.07	-0.088
582566	10/20/2004 0:00	-0.094	-0.087
582567	10/21/2004 0:00	-0.078	-0.087
582568	10/22/2004 0:00	-0.085	-0.087
582569	10/23/2004 0:00	-0.092	-0.088
582570	10/24/2004 0:00	-0.079	-0.087
582571	10/25/2004 0:00	-0.069	-0.087
582572	10/26/2004 0:00	-0.116	-0.087
582573	10/27/2004 0:00	-0.078	-0.088
582574	10/28/2004 0:00	-0.076	-0.088
582575	10/29/2004 0:00	-0.117	-0.089
582576	10/30/2004 0:00	-0.1	-0.09
582577	10/31/2004 0:00	-0.083	-0.09
582578	11/1/2004 0:00	-0.103	-0.091
582579	11/2/2004 0:00	-0.104	-0.092
582580	11/3/2004 0:00	-0.089	-0.092
582581	11/4/2004 0:00	-0.07	-0.093
582582	11/5/2004 0:00	-0.098	-0.093
582583	11/6/2004 0:00	-0.097	-0.092
582584	11/7/2004 0:00	-0.11	-0.093
582585	11/8/2004 0:00	-0.065	-0.092
582586	11/9/2004 0:00	-0.07	-0.092
582587	11/10/2004 0:00	-0.08	-0.092
582588	11/11/2004 0:00	-0.106	-0.09
582589	11/12/2004 0:00	-0.076	-0.09
582590	11/13/2004 0:00	-0.082	-0.09
582591	11/14/2004 0:00	-0.122	-0.09
582592	11/15/2004 0:00	-0.109	-0.09
582593	11/16/2004 0:00	-0.116	-0.09
582594	11/17/2004 0:00	-0.106	-0.089
582595	11/18/2004 0:00	-0.111	-0.089
582596	11/19/2004 0:00	-0.095	-0.089
582597	11/20/2004 0:00	-0.086	-0.091
582598	11/21/2004 0:00	-0.071	-0.09
582599	11/22/2004 0:00	-0.104	-0.089
582600	11/23/2004 0:00	-0.073	-0.089
582601	11/24/2004 0:00	-0.073	-0.09
582602	11/25/2004 0:00	-0.064	-0.091
582603	11/26/2004 0:00	-0.067	-0.092
582604	11/27/2004 0:00	-0.063	-0.092
582605	11/28/2004 0:00	-0.081	-0.092

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582606	11/29/2004 0:00	-0.102	-0.093
582607	11/30/2004 0:00	-0.105	-0.093
582608	12/1/2004 0:00	-0.087	-0.093
582609	12/2/2004 0:00	-0.073	-0.093
582610	12/3/2004 0:00	-0.116	-0.092
582611	12/4/2004 0:00	-0.093	-0.092
582612	12/5/2004 0:00	-0.106	-0.092
582613	12/6/2004 0:00	-0.092	-0.092
582614	12/7/2004 0:00	-0.063	-0.093
582615	12/8/2004 0:00	-0.086	-0.093
582616	12/9/2004 0:00	-0.118	-0.094
582617	12/10/2004 0:00	-0.107	-0.094
582618	12/11/2004 0:00	-0.105	-0.095
582619	12/12/2004 0:00	-0.091	-0.095
582620	12/13/2004 0:00	-0.08	-0.096
582621	12/14/2004 0:00	-0.114	-0.096
582622	12/15/2004 0:00	-0.111	-0.096
582623	12/16/2004 0:00	-0.116	-0.095
582624	12/17/2004 0:00	-0.117	-0.096
582625	12/18/2004 0:00	-0.094	-0.096
582626	12/19/2004 0:00	-0.086	-0.097
582627	12/20/2004 0:00	-0.097	-0.098
582628	12/21/2004 0:00	-0.087	-0.098
582629	12/22/2004 0:00	-0.122	-0.098
582630	12/23/2004 0:00	-0.105	-0.099
582631	12/24/2004 0:00	-0.103	-0.1
582632	12/25/2004 0:00	-0.062	-0.101
582633	12/26/2004 0:00	-0.099	-0.102
582634	12/27/2004 0:00	-0.072	-0.101
582635	12/28/2004 0:00	-0.102	-0.102
582636	12/29/2004 0:00	-0.059	-0.102
582637	12/30/2004 0:00	-0.101	-0.103
582638	12/31/2004 0:00	-0.095	-0.103
582639	1/1/2005 0:00	-0.109	-0.103
582640	1/2/2005 0:00	-0.069	-0.103
582641	1/3/2005 0:00	-0.137	-0.104
582642	1/4/2005 0:00	-0.121	-0.104
582643	1/5/2005 0:00	-0.119	-0.105
582644	1/6/2005 0:00	-0.095	-0.105
582645	1/7/2005 0:00	-0.096	-0.105
582646	1/8/2005 0:00	-0.126	-0.105
582647	1/9/2005 0:00	-0.139	-0.105
582648	1/10/2005 0:00	-0.127	-0.106
582649	1/11/2005 0:00	-0.097	-0.106
582650	1/12/2005 0:00	-0.093	-0.106
582651	1/13/2005 0:00	-0.105	-0.106
582652	1/14/2005 0:00	-0.125	-0.107
582653	1/15/2005 0:00	-0.117	-0.108
582654	1/16/2005 0:00	-0.114	-0.109
582655	1/17/2005 0:00	-0.13	-0.108
582656	1/18/2005 0:00	-0.101	-0.11
582657	1/19/2005 0:00	-0.112	-0.109
582658	1/20/2005 0:00	-0.115	-0.108
582659	1/21/2005 0:00	-0.091	-0.108
582660	1/22/2005 0:00	-0.103	-0.107
582661	1/23/2005 0:00	-0.113	-0.107
582662	1/24/2005 0:00	-0.119	-0.107
582663	1/25/2005 0:00	-0.092	-0.105
582664	1/26/2005 0:00	-0.084	-0.104
582665	1/27/2005 0:00	-0.083	-0.103
582666	1/28/2005 0:00	-0.105	-0.103
582667	1/29/2005 0:00	-0.095	-0.102
582668	1/30/2005 0:00	-0.124	-0.101
582669	1/31/2005 0:00	-0.107	-0.099
582670	2/1/2005 0:00	-0.106	-0.099
582671	2/2/2005 0:00	-0.115	-0.097
582672	2/3/2005 0:00	-0.103	-0.096
582673	2/4/2005 0:00	-0.101	-0.097
582674	2/5/2005 0:00	-0.102	-0.096
582675	2/6/2005 0:00	-0.083	-0.097
582676	2/7/2005 0:00	-0.088	-0.098
582677	2/8/2005 0:00	-0.113	-0.097
582678	2/9/2005 0:00	-0.094	-0.096
582679	2/10/2005 0:00	-0.092	-0.096

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582680	2/11/2005 0:00	-0.068	-0.096
582681	2/12/2005 0:00	-0.092	-0.096
582682	2/13/2005 0:00	-0.07	-0.096
582683	2/14/2005 0:00	-0.087	-0.097
582684	2/15/2005 0:00	-0.077	-0.097
582685	2/16/2005 0:00	-0.105	-0.097
582686	2/17/2005 0:00	-0.078	-0.096
582687	2/18/2005 0:00	-0.075	-0.096
582688	2/19/2005 0:00	-0.116	-0.096
582689	2/20/2005 0:00	-0.092	-0.097
582690	2/21/2005 0:00	-0.123	-0.097
582691	2/22/2005 0:00	-0.13	-0.097
582692	2/23/2005 0:00	-0.086	-0.097
582693	2/24/2005 0:00	-0.096	-0.096
582694	2/25/2005 0:00	-0.091	-0.096
582695	2/26/2005 0:00	-0.074	-0.096
582696	2/27/2005 0:00	-0.093	-0.097
582697	2/28/2005 0:00	-0.116	-0.098
582698	3/1/2005 0:00	-0.103	-0.099
582699	3/2/2005 0:00	-0.122	-0.099
582700	3/3/2005 0:00	-0.116	-0.099
582701	3/4/2005 0:00	-0.088	-0.098
582702	3/5/2005 0:00	-0.109	-0.098
582703	3/6/2005 0:00	-0.109	-0.099
582704	3/7/2005 0:00	-0.104	-0.099
582705	3/8/2005 0:00	-0.102	-0.098
582706	3/9/2005 0:00	-0.103	-0.097
582707	3/10/2005 0:00	-0.091	-0.095
582708	3/11/2005 0:00	-0.085	-0.095
582709	3/12/2005 0:00	-0.076	-0.095
582710	3/13/2005 0:00	-0.11	-0.093
582711	3/14/2005 0:00	-0.096	-0.093
582712	3/15/2005 0:00	-0.103	-0.092
582713	3/16/2005 0:00	-0.105	-0.091
582714	3/17/2005 0:00	-0.085	-0.091
582715	3/18/2005 0:00	-0.072	-0.089
582716	3/19/2005 0:00	-0.08	-0.087
582717	3/20/2005 0:00	-0.091	-0.086
582718	3/21/2005 0:00	-0.102	-0.086
582719	3/22/2005 0:00	-0.1	-0.085
582720	3/23/2005 0:00	-0.076	-0.084
582721	3/24/2005 0:00	-0.101	-0.082
582722	3/25/2005 0:00	-0.073	-0.08
582723	3/26/2005 0:00	-0.072	-0.079
582724	3/27/2005 0:00	-0.084	-0.078
582725	3/28/2005 0:00	-0.049	-0.078
582726	3/29/2005 0:00	-0.062	-0.076
582727	3/30/2005 0:00	-0.065	-0.074
582728	3/31/2005 0:00	-0.091	-0.073
582729	4/1/2005 0:00	-0.091	-0.072
582730	4/2/2005 0:00	-0.071	-0.072
582731	4/3/2005 0:00	-0.058	-0.072
582732	4/4/2005 0:00	-0.06	-0.072
582733	4/5/2005 0:00	-0.091	-0.072
582734	4/6/2005 0:00	-0.078	-0.071
582735	4/7/2005 0:00	-0.077	-0.07
582736	4/8/2005 0:00	-0.045	-0.07
582737	4/9/2005 0:00	-0.038	-0.069
582738	4/10/2005 0:00	-0.052	-0.069
582739	4/11/2005 0:00	-0.062	-0.07
582740	4/12/2005 0:00	-0.068	-0.07
582741	4/13/2005 0:00	-0.049	-0.072
582742	4/14/2005 0:00	-0.053	-0.072
582743	4/15/2005 0:00	-0.073	-0.073
582744	4/16/2005 0:00	-0.072	-0.072
582745	4/17/2005 0:00	-0.078	-0.071
582746	4/18/2005 0:00	-0.077	-0.071
582747	4/19/2005 0:00	-0.071	-0.072
582748	4/20/2005 0:00	-0.084	-0.072
582749	4/21/2005 0:00	-0.08	-0.071
582750	4/22/2005 0:00	-0.069	-0.071
582751	4/23/2005 0:00	-0.077	-0.072
582752	4/24/2005 0:00	-0.07	-0.073
582753	4/25/2005 0:00	-0.081	-0.074

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582754	4/26/2005 0:00	-0.09	-0.074
582755	4/27/2005 0:00	-0.085	-0.075
582756	4/28/2005 0:00	-0.113	-0.076
582757	4/29/2005 0:00	-0.074	-0.077
582758	4/30/2005 0:00	-0.082	-0.078
582759	5/1/2005 0:00	-0.058	-0.078
582760	5/2/2005 0:00	-0.076	-0.079
582761	5/3/2005 0:00	-0.064	-0.078
582762	5/4/2005 0:00	-0.086	-0.078
582763	5/5/2005 0:00	-0.072	-0.078
582764	5/6/2005 0:00	-0.06	-0.078
582765	5/7/2005 0:00	-0.077	-0.078
582766	5/8/2005 0:00	-0.087	-0.079
582767	5/9/2005 0:00	-0.092	-0.079
582768	5/10/2005 0:00	-0.06	-0.079
582769	5/11/2005 0:00	-0.048	-0.079
582770	5/12/2005 0:00	-0.095	-0.079
582771	5/13/2005 0:00	-0.107	-0.079
582772	5/14/2005 0:00	-0.076	-0.078
582773	5/15/2005 0:00	-0.083	-0.078
582774	5/16/2005 0:00	-0.083	-0.077
582775	5/17/2005 0:00	-0.082	-0.077
582776	5/18/2005 0:00	-0.063	-0.077
582777	5/19/2005 0:00	-0.085	-0.078
582778	5/20/2005 0:00	-0.057	-0.077
582779	5/21/2005 0:00	-0.082	-0.076
582780	5/22/2005 0:00	-0.087	-0.077
582781	5/23/2005 0:00	-0.096	-0.077
582782	5/24/2005 0:00	-0.068	-0.076
582783	5/25/2005 0:00	-0.08	-0.075
582784	5/26/2005 0:00	-0.083	-0.077
582785	5/27/2005 0:00	-0.077	-0.077
582786	5/28/2005 0:00	-0.086	-0.076
582787	5/29/2005 0:00	-0.081	-0.075
582788	5/30/2005 0:00	-0.073	-0.075
582789	5/31/2005 0:00	-0.062	-0.075
582790	6/1/2005 0:00	-0.064	-0.075
582791	6/2/2005 0:00	-0.07	-0.075
582792	6/3/2005 0:00	-0.086	-0.075
582793	6/4/2005 0:00	-0.061	-0.074
582794	6/5/2005 0:00	-0.056	-0.075
582795	6/6/2005 0:00	-0.078	-0.075
582796	6/7/2005 0:00	-0.068	-0.076
582797	6/8/2005 0:00	-0.066	-0.075
582798	6/9/2005 0:00	-0.075	-0.076
582799	6/10/2005 0:00	-0.097	-0.075
582800	6/11/2005 0:00	-0.051	-0.075
582801	6/12/2005 0:00	-0.068	-0.076
582802	6/13/2005 0:00	-0.08	-0.075
582803	6/14/2005 0:00	-0.083	-0.076
582804	6/15/2005 0:00	-0.069	-0.075
582805	6/16/2005 0:00	-0.089	-0.076
582806	6/17/2005 0:00	-0.068	-0.076
582807	6/18/2005 0:00	-0.089	-0.076
582808	6/19/2005 0:00	-0.056	-0.075
582809	6/20/2005 0:00	-0.073	-0.076
582810	6/21/2005 0:00	-0.089	-0.077
582811	6/22/2005 0:00	-0.103	-0.078
582812	6/23/2005 0:00	-0.086	-0.078
582813	6/24/2005 0:00	-0.083	-0.078
582814	6/25/2005 0:00	-0.068	-0.078
582815	6/26/2005 0:00	-0.08	-0.078
582816	6/27/2005 0:00	-0.09	-0.08
582817	6/28/2005 0:00	-0.074	-0.08
582818	6/29/2005 0:00	-0.094	-0.08
582819	6/30/2005 0:00	-0.065	-0.079
582820	7/1/2005 0:00	-0.071	-0.079
582821	7/2/2005 0:00	-0.065	-0.079
582822	7/3/2005 0:00	-0.065	-0.08
582823	7/4/2005 0:00	-0.078	-0.08
582824	7/5/2005 0:00	-0.082	-0.081
582825	7/6/2005 0:00	-0.084	-0.08
582826	7/7/2005 0:00	-0.096	-0.08
582827	7/8/2005 0:00	-0.084	-0.08

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582828	7/9/2005 0:00	-0.062	-0.08
582829	7/10/2005 0:00	-0.085	-0.08
582830	7/11/2005 0:00	-0.098	-0.08
582831	7/12/2005 0:00	-0.095	-0.08
582832	7/13/2005 0:00	-0.078	-0.08
582833	7/14/2005 0:00	-0.066	-0.081
582834	7/15/2005 0:00	-0.053	-0.081
582835	7/16/2005 0:00	-0.086	-0.082
582836	7/17/2005 0:00	-0.092	-0.083
582837	7/18/2005 0:00	-0.091	-0.083
582838	7/19/2005 0:00	-0.084	-0.084
582839	7/20/2005 0:00	-0.083	-0.085
582840	7/21/2005 0:00	-0.066	-0.086
582841	7/22/2005 0:00	-0.078	-0.086
582842	7/23/2005 0:00	-0.092	-0.086
582843	7/24/2005 0:00	-0.082	-0.086
582844	7/25/2005 0:00	-0.094	-0.088
582845	7/26/2005 0:00	-0.069	-0.088
582846	7/27/2005 0:00	-0.078	-0.088
582847	7/28/2005 0:00	-0.092	-0.087
582848	7/29/2005 0:00	-0.102	-0.088
582849	7/30/2005 0:00	-0.102	-0.089
582850	7/31/2005 0:00	-0.102	-0.091
582851	8/1/2005 0:00	-0.081	-0.09
582852	8/2/2005 0:00	-0.085	-0.09
582853	8/3/2005 0:00	-0.085	-0.091
582854	8/4/2005 0:00	-0.11	-0.091
582855	8/5/2005 0:00	-0.109	-0.091
582856	8/6/2005 0:00	-0.085	-0.092
582857	8/7/2005 0:00	-0.1	-0.092
582858	8/8/2005 0:00	-0.088	-0.092
582859	8/9/2005 0:00	-0.103	-0.093
582860	8/10/2005 0:00	-0.111	-0.093
582861	8/11/2005 0:00	-0.078	-0.093
582862	8/12/2005 0:00	-0.079	-0.094
582863	8/13/2005 0:00	-0.086	-0.095
582864	8/14/2005 0:00	-0.106	-0.095
582865	8/15/2005 0:00	-0.106	-0.095
582866	8/16/2005 0:00	-0.081	-0.095
582867	8/17/2005 0:00	-0.09	-0.095
582868	8/18/2005 0:00	-0.098	-0.095
582869	8/19/2005 0:00	-0.091	-0.096
582870	8/20/2005 0:00	-0.105	-0.096
582871	8/21/2005 0:00	-0.08	-0.096
582872	8/22/2005 0:00	-0.089	-0.097
582873	8/23/2005 0:00	-0.096	-0.097
582874	8/24/2005 0:00	-0.103	-0.097
582875	8/25/2005 0:00	-0.084	-0.097
582876	8/26/2005 0:00	-0.085	-0.097
582877	8/27/2005 0:00	-0.104	-0.098
582878	8/28/2005 0:00	-0.107	-0.098
582879	8/29/2005 0:00	-0.118	-0.098
582880	8/30/2005 0:00	-0.092	-0.098
582881	8/31/2005 0:00	-0.117	-0.099
582882	9/1/2005 0:00	-0.085	-0.1
582883	9/2/2005 0:00	-0.082	-0.1
582884	9/3/2005 0:00	-0.106	-0.1
582885	9/4/2005 0:00	-0.094	-0.101
582886	9/5/2005 0:00	-0.12	-0.101
582887	9/6/2005 0:00	-0.109	-0.102
582888	9/7/2005 0:00	-0.099	-0.103
582889	9/8/2005 0:00	-0.11	-0.103
582890	9/9/2005 0:00	-0.11	-0.103
582891	9/10/2005 0:00	-0.105	-0.103
582892	9/11/2005 0:00	-0.101	-0.102
582893	9/12/2005 0:00	-0.091	-0.102
582894	9/13/2005 0:00	-0.086	-0.101
582895	9/14/2005 0:00	-0.102	-0.1
582896	9/15/2005 0:00	-0.12	-0.099
582897	9/16/2005 0:00	-0.108	-0.098
582898	9/17/2005 0:00	-0.094	-0.098
582899	9/18/2005 0:00	-0.108	-0.099
582900	9/19/2005 0:00	-0.122	-0.098
582901	9/20/2005 0:00	-0.108	-0.099

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582902	9/21/2005 0:00	-0.109	-0.098
582903	9/22/2005 0:00	-0.117	-0.098
582904	9/23/2005 0:00	-0.102	-0.096
582905	9/24/2005 0:00	-0.099	-0.095
582906	9/25/2005 0:00	-0.079	-0.094
582907	9/26/2005 0:00	-0.058	-0.094
582908	9/27/2005 0:00	-0.101	-0.093
582909	9/28/2005 0:00	-0.088	-0.094
582910	9/29/2005 0:00	-0.078	-0.093
582911	9/30/2005 0:00	-0.074	-0.092
582912	10/1/2005 0:00	-0.065	-0.092
582913	10/2/2005 0:00	-0.105	-0.089
582914	10/3/2005 0:00	-0.101	-0.089
582915	10/4/2005 0:00	-0.087	-0.089
582916	10/5/2005 0:00	-0.114	-0.088
582917	10/6/2005 0:00	-0.093	-0.087
582918	10/7/2005 0:00	-0.089	-0.087
582919	10/8/2005 0:00	-0.042	-0.086
582920	10/9/2005 0:00	-0.087	-0.086
582921	10/10/2005 0:00	-0.087	-0.086
582922	10/11/2005 0:00	-0.094	-0.086
582923	10/12/2005 0:00	-0.08	-0.086
582924	10/13/2005 0:00	-0.104	-0.087
582925	10/14/2005 0:00	-0.071	-0.087
582926	10/15/2005 0:00	-0.077	-0.088
582927	10/16/2005 0:00	-0.099	-0.09
582928	10/17/2005 0:00	-0.043	-0.09
582929	10/18/2005 0:00	-0.072	-0.09
582930	10/19/2005 0:00	-0.106	-0.091
582931	10/20/2005 0:00	-0.1	-0.091
582932	10/21/2005 0:00	-0.08	-0.091
582933	10/22/2005 0:00	-0.099	-0.091
582934	10/23/2005 0:00	-0.089	-0.091
582935	10/24/2005 0:00	-0.113	-0.093
582936	10/25/2005 0:00	-0.081	-0.094
582937	10/26/2005 0:00	-0.093	-0.096
582938	10/27/2005 0:00	-0.066	-0.096
582939	10/28/2005 0:00	-0.132	-0.096
582940	10/29/2005 0:00	-0.088	-0.097
582941	10/30/2005 0:00	-0.089	-0.097
582942	10/31/2005 0:00	-0.142	-0.099
582943	11/1/2005 0:00	-0.07	-0.099
582944	11/2/2005 0:00	-0.116	-0.102
582945	11/3/2005 0:00	-0.112	-0.103
582946	11/4/2005 0:00	-0.093	-0.104
582947	11/5/2005 0:00	-0.109	-0.105
582948	11/6/2005 0:00	-0.098	-0.105
582949	11/7/2005 0:00	-0.1	-0.106
582950	11/8/2005 0:00	-0.105	-0.106
582951	11/9/2005 0:00	-0.1	-0.105
582952	11/10/2005 0:00	-0.141	-0.106
582953	11/11/2005 0:00	-0.102	-0.107
582954	11/12/2005 0:00	-0.102	-0.107
582955	11/13/2005 0:00	-0.107	-0.107
582956	11/14/2005 0:00	-0.091	-0.108
582957	11/15/2005 0:00	-0.124	-0.109
582958	11/16/2005 0:00	-0.118	-0.108
582959	11/17/2005 0:00	-0.137	-0.11
582960	11/18/2005 0:00	-0.104	-0.11
582961	11/19/2005 0:00	-0.112	-0.11
582962	11/20/2005 0:00	-0.128	-0.112
582963	11/21/2005 0:00	-0.091	-0.112
582964	11/22/2005 0:00	-0.121	-0.112
582965	11/23/2005 0:00	-0.103	-0.112
582966	11/24/2005 0:00	-0.086	-0.113
582967	11/25/2005 0:00	-0.117	-0.113
582968	11/26/2005 0:00	-0.098	-0.112
582969	11/27/2005 0:00	-0.093	-0.112
582970	11/28/2005 0:00	-0.113	-0.111
582971	11/29/2005 0:00	-0.111	-0.112
582972	11/30/2005 0:00	-0.138	-0.113
582973	12/1/2005 0:00	-0.116	-0.112
582974	12/2/2005 0:00	-0.136	-0.111
582975	12/3/2005 0:00	-0.115	-0.11



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
582976	12/4/2005 0:00	-0.115	-0.11
582977	12/5/2005 0:00	-0.131	-0.11
582978	12/6/2005 0:00	-0.113	-0.109
582979	12/7/2005 0:00	-0.11	-0.11
582980	12/8/2005 0:00	-0.11	-0.109
582981	12/9/2005 0:00	-0.123	-0.109
582982	12/10/2005 0:00	-0.102	-0.11
582983	12/11/2005 0:00	-0.091	-0.108
582984	12/12/2005 0:00	-0.104	-0.109
582985	12/13/2005 0:00	-0.095	-0.109
582986	12/14/2005 0:00	-0.126	-0.109
582987	12/15/2005 0:00	-0.115	-0.108
582988	12/16/2005 0:00	-0.096	-0.106
582989	12/17/2005 0:00	-0.104	-0.105
582990	12/18/2005 0:00	-0.104	-0.104
582991	12/19/2005 0:00	-0.09	-0.103
582992	12/20/2005 0:00	-0.113	-0.104
582993	12/21/2005 0:00	-0.111	-0.104
582994	12/22/2005 0:00	-0.102	-0.104
582995	12/23/2005 0:00	-0.108	-0.103
582996	12/24/2005 0:00	-0.108	-0.102
582997	12/25/2005 0:00	-0.098	-0.102
582998	12/26/2005 0:00	-0.073	-0.102
582999	12/27/2005 0:00	-0.109	-0.103
583000	12/28/2005 0:00	-0.1	-0.103
583001	12/29/2005 0:00	-0.106	-0.103
583002	12/30/2005 0:00	-0.072	-0.103
583003	12/31/2005 0:00	-0.103	-0.102
583004	1/1/2006 0:00	-0.088	-0.102
583005	1/2/2006 0:00	-0.076	-0.102
583006	1/3/2006 0:00	-0.103	-0.101
583007	1/4/2006 0:00	-0.137	-0.101
583008	1/5/2006 0:00	-0.123	-0.101
583009	1/6/2006 0:00	-0.114	-0.101
583010	1/7/2006 0:00	-0.095	-0.101
583011	1/8/2006 0:00	-0.084	-0.101
583012	1/9/2006 0:00	-0.106	-0.101
583013	1/10/2006 0:00	-0.114	-0.1
583014	1/11/2006 0:00	-0.109	-0.102
583015	1/12/2006 0:00	-0.116	-0.101
583016	1/13/2006 0:00	-0.086	-0.102
583017	1/14/2006 0:00	-0.124	-0.102
583018	1/15/2006 0:00	-0.081	-0.103
583019	1/16/2006 0:00	-0.095	-0.102
583020	1/17/2006 0:00	-0.101	-0.101
583021	1/18/2006 0:00	-0.093	-0.101
583022	1/19/2006 0:00	-0.095	-0.1
583023	1/20/2006 0:00	-0.11	-0.099
583024	1/21/2006 0:00	-0.101	-0.097
583025	1/22/2006 0:00	-0.108	-0.097
583026	1/23/2006 0:00	-0.104	-0.098
583027	1/24/2006 0:00	-0.099	-0.099
583028	1/25/2006 0:00	-0.087	-0.099
583029	1/26/2006 0:00	-0.111	-0.099
583030	1/27/2006 0:00	-0.1	-0.1
583031	1/28/2006 0:00	-0.118	-0.101
583032	1/29/2006 0:00	-0.108	-0.102
583033	1/30/2006 0:00	-0.09	-0.101
583034	1/31/2006 0:00	-0.078	-0.101
583035	2/1/2006 0:00	-0.05	-0.101
583036	2/2/2006 0:00	-0.079	-0.101
583037	2/3/2006 0:00	-0.087	-0.101
583038	2/4/2006 0:00	-0.1	-0.101
583039	2/5/2006 0:00	-0.074	-0.101
583040	2/6/2006 0:00	-0.116	-0.1
583041	2/7/2006 0:00	-0.116	-0.099
583042	2/8/2006 0:00	-0.113	-0.099
583043	2/9/2006 0:00	-0.109	-0.099
583044	2/10/2006 0:00	-0.112	-0.099
583045	2/11/2006 0:00	-0.13	-0.099
583046	2/12/2006 0:00	-0.138	-0.098
583047	2/13/2006 0:00	-0.121	-0.098
583048	2/14/2006 0:00	-0.09	-0.098
583049	2/15/2006 0:00	-0.097	-0.098

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583050	2/16/2006 0:00	-0.084	-0.1
583051	2/17/2006 0:00	-0.096	-0.101
583052	2/18/2006 0:00	-0.105	-0.102
583053	2/19/2006 0:00	-0.109	-0.103
583054	2/20/2006 0:00	-0.087	-0.103
583055	2/21/2006 0:00	-0.077	-0.104
583056	2/22/2006 0:00	-0.075	-0.103
583057	2/23/2006 0:00	-0.094	-0.101
583058	2/24/2006 0:00	-0.101	-0.1
583059	2/25/2006 0:00	-0.103	-0.1
583060	2/26/2006 0:00	-0.113	-0.1
583061	2/27/2006 0:00	-0.069	-0.098
583062	2/28/2006 0:00	-0.098	-0.097
583063	3/1/2006 0:00	-0.111	-0.097
583064	3/2/2006 0:00	-0.104	-0.097
583065	3/3/2006 0:00	-0.123	-0.098
583066	3/4/2006 0:00	-0.1	-0.098
583067	3/5/2006 0:00	-0.113	-0.099
583068	3/6/2006 0:00	-0.102	-0.098
583069	3/7/2006 0:00	-0.12	-0.099
583070	3/8/2006 0:00	-0.097	-0.1
583071	3/9/2006 0:00	-0.082	-0.101
583072	3/10/2006 0:00	-0.056	-0.103
583073	3/11/2006 0:00	-0.081	-0.102
583074	3/12/2006 0:00	-0.096	-0.102
583075	3/13/2006 0:00	-0.115	-0.102
583076	3/14/2006 0:00	-0.081	-0.101
583077	3/15/2006 0:00	-0.112	-0.104
583078	3/16/2006 0:00	-0.12	-0.104
583079	3/17/2006 0:00	-0.095	-0.103
583080	3/18/2006 0:00	-0.103	-0.104
583081	3/19/2006 0:00	-0.105	-0.103
583082	3/20/2006 0:00	-0.106	-0.103
583083	3/21/2006 0:00	-0.102	-0.103
583084	3/22/2006 0:00	-0.122	-0.103
583085	3/23/2006 0:00	-0.126	-0.102
583086	3/24/2006 0:00	-0.114	-0.103
583087	3/25/2006 0:00	-0.111	-0.104
583088	3/26/2006 0:00	-0.089	-0.105
583089	3/27/2006 0:00	-0.096	-0.106
583090	3/28/2006 0:00	-0.102	-0.107
583091	3/29/2006 0:00	-0.09	-0.107
583092	3/30/2006 0:00	-0.137	-0.107
583093	3/31/2006 0:00	-0.117	-0.107
583094	4/1/2006 0:00	-0.084	-0.106
583095	4/2/2006 0:00	-0.114	-0.106
583096	4/3/2006 0:00	-0.099	-0.106
583097	4/4/2006 0:00	-0.106	-0.106
583098	4/5/2006 0:00	-0.123	-0.105
583099	4/6/2006 0:00	-0.082	-0.105
583100	4/7/2006 0:00	-0.1	-0.104
583101	4/8/2006 0:00	-0.117	-0.103
583102	4/9/2006 0:00	-0.123	-0.103
583103	4/10/2006 0:00	-0.101	-0.103
583104	4/11/2006 0:00	-0.113	-0.103
583105	4/12/2006 0:00	-0.118	-0.103
583106	4/13/2006 0:00	-0.107	-0.103
583107	4/14/2006 0:00	-0.1	-0.104
583108	4/15/2006 0:00	-0.09	-0.103
583109	4/16/2006 0:00	-0.091	-0.102
583110	4/17/2006 0:00	-0.085	-0.103
583111	4/18/2006 0:00	-0.115	-0.103
583112	4/19/2006 0:00	-0.113	-0.102
583113	4/20/2006 0:00	-0.084	-0.102
583114	4/21/2006 0:00	-0.089	-0.101
583115	4/22/2006 0:00	-0.095	-0.102
583116	4/23/2006 0:00	-0.09	-0.102
583117	4/24/2006 0:00	-0.108	-0.102
583118	4/25/2006 0:00	-0.106	-0.101
583119	4/26/2006 0:00	-0.093	-0.101
583120	4/27/2006 0:00	-0.11	-0.1
583121	4/28/2006 0:00	-0.098	-0.099
583122	4/29/2006 0:00	-0.109	-0.1
583123	4/30/2006 0:00	-0.1	-0.101

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583124	5/1/2006 0:00	-0.116	-0.101
583125	5/2/2006 0:00	-0.1	-0.1
583126	5/3/2006 0:00	-0.102	-0.1
583127	5/4/2006 0:00	-0.093	-0.099
583128	5/5/2006 0:00	-0.091	-0.099
583129	5/6/2006 0:00	-0.103	-0.099
583130	5/7/2006 0:00	-0.114	-0.098
583131	5/8/2006 0:00	-0.096	-0.099
583132	5/9/2006 0:00	-0.101	-0.098
583133	5/10/2006 0:00	-0.092	-0.097
583134	5/11/2006 0:00	-0.097	-0.097
583135	5/12/2006 0:00	-0.093	-0.096
583136	5/13/2006 0:00	-0.097	-0.094
583137	5/14/2006 0:00	-0.129	-0.094
583138	5/15/2006 0:00	-0.129	-0.094
583139	5/16/2006 0:00	-0.079	-0.094
583140	5/17/2006 0:00	-0.073	-0.093
583141	5/18/2006 0:00	-0.083	-0.093
583142	5/19/2006 0:00	-0.101	-0.093
583143	5/20/2006 0:00	-0.086	-0.092
583144	5/21/2006 0:00	-0.096	-0.092
583145	5/22/2006 0:00	-0.068	-0.091
583146	5/23/2006 0:00	-0.104	-0.092
583147	5/24/2006 0:00	-0.069	-0.092
583148	5/25/2006 0:00	-0.079	-0.092
583149	5/26/2006 0:00	-0.095	-0.092
583150	5/27/2006 0:00	-0.064	-0.091
583151	5/28/2006 0:00	-0.072	-0.091
583152	5/29/2006 0:00	-0.09	-0.091
583153	5/30/2006 0:00	-0.114	-0.09
583154	5/31/2006 0:00	-0.095	-0.089
583155	6/1/2006 0:00	-0.082	-0.088
583156	6/2/2006 0:00	-0.085	-0.089
583157	6/3/2006 0:00	-0.104	-0.089
583158	6/4/2006 0:00	-0.079	-0.089
583159	6/5/2006 0:00	-0.097	-0.088
583160	6/6/2006 0:00	-0.069	-0.088
583161	6/7/2006 0:00	-0.122	-0.089
583162	6/8/2006 0:00	-0.108	-0.088
583163	6/9/2006 0:00	-0.096	-0.089
583164	6/10/2006 0:00	-0.089	-0.09
583165	6/11/2006 0:00	-0.087	-0.09
583166	6/12/2006 0:00	-0.081	-0.091
583167	6/13/2006 0:00	-0.112	-0.091
583168	6/14/2006 0:00	-0.087	-0.091
583169	6/15/2006 0:00	-0.082	-0.091
583170	6/16/2006 0:00	-0.071	-0.09
583171	6/17/2006 0:00	-0.088	-0.091
583172	6/18/2006 0:00	-0.075	-0.092
583173	6/19/2006 0:00	-0.109	-0.092
583174	6/20/2006 0:00	-0.069	-0.093
583175	6/21/2006 0:00	-0.095	-0.095
583176	6/22/2006 0:00	-0.089	-0.096
583177	6/23/2006 0:00	-0.083	-0.096
583178	6/24/2006 0:00	-0.093	-0.095
583179	6/25/2006 0:00	-0.093	-0.095
583180	6/26/2006 0:00	-0.109	-0.095
583181	6/27/2006 0:00	-0.082	-0.095
583182	6/28/2006 0:00	-0.097	-0.096
583183	6/29/2006 0:00	-0.073	-0.095
583184	6/30/2006 0:00	-0.119	-0.095
583185	7/1/2006 0:00	-0.075	-0.095
583186	7/2/2006 0:00	-0.109	-0.096
583187	7/3/2006 0:00	-0.102	-0.095
583188	7/4/2006 0:00	-0.1	-0.096
583189	7/5/2006 0:00	-0.123	-0.095
583190	7/6/2006 0:00	-0.146	-0.097
583191	7/7/2006 0:00	-0.102	-0.097
583192	7/8/2006 0:00	-0.124	-0.098
583193	7/9/2006 0:00	-0.079	-0.099
583194	7/10/2006 0:00	-0.098	-0.099
583195	7/11/2006 0:00	-0.086	-0.098
583196	7/12/2006 0:00	-0.105	-0.098
583197	7/13/2006 0:00	-0.097	-0.099

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583198	7/14/2006 0:00	-0.086	-0.099
583199	7/15/2006 0:00	-0.085	-0.099
583200	7/16/2006 0:00	-0.087	-0.098
583201	7/17/2006 0:00	-0.091	-0.098
583202	7/18/2006 0:00	-0.072	-0.098
583203	7/19/2006 0:00	-0.106	-0.098
583204	7/20/2006 0:00	-0.066	-0.098
583205	7/21/2006 0:00	-0.131	-0.097
583206	7/22/2006 0:00	-0.111	-0.096
583207	7/23/2006 0:00	-0.092	-0.096
583208	7/24/2006 0:00	-0.118	-0.096
583209	7/25/2006 0:00	-0.103	-0.097
583210	7/26/2006 0:00	-0.078	-0.097
583211	7/27/2006 0:00	-0.104	-0.097
583212	7/28/2006 0:00	-0.091	-0.097
583213	7/29/2006 0:00	-0.099	-0.097
583214	7/30/2006 0:00	-0.09	-0.097
583215	7/31/2006 0:00	-0.072	-0.097
583216	8/1/2006 0:00	-0.087	-0.097
583217	8/2/2006 0:00	-0.103	-0.097
583218	8/3/2006 0:00	-0.117	-0.098
583219	8/4/2006 0:00	-0.091	-0.099
583220	8/5/2006 0:00	-0.098	-0.099
583221	8/6/2006 0:00	-0.108	-0.098
583222	8/7/2006 0:00	-0.108	-0.098
583223	8/8/2006 0:00	-0.106	-0.098
583224	8/9/2006 0:00	-0.108	-0.097
583225	8/10/2006 0:00	-0.096	-0.096
583226	8/11/2006 0:00	-0.095	-0.097
583227	8/12/2006 0:00	-0.105	-0.097
583228	8/13/2006 0:00	-0.095	-0.097
583229	8/14/2006 0:00	-0.08	-0.098
583230	8/15/2006 0:00	-0.086	-0.099
583231	8/16/2006 0:00	-0.105	-0.1
583232	8/17/2006 0:00	-0.088	-0.1
583233	8/18/2006 0:00	-0.113	-0.101
583234	8/19/2006 0:00	-0.111	-0.1
583235	8/20/2006 0:00	-0.09	-0.101
583236	8/21/2006 0:00	-0.098	-0.102
583237	8/22/2006 0:00	-0.092	-0.102
583238	8/23/2006 0:00	-0.098	-0.102
583239	8/24/2006 0:00	-0.08	-0.102
583240	8/25/2006 0:00	-0.094	-0.102
583241	8/26/2006 0:00	-0.087	-0.103
583242	8/27/2006 0:00	-0.107	-0.103
583243	8/28/2006 0:00	-0.091	-0.103
583244	8/29/2006 0:00	-0.131	-0.104
583245	8/30/2006 0:00	-0.126	-0.104
583246	8/31/2006 0:00	-0.104	-0.105
583247	9/1/2006 0:00	-0.104	-0.104
583248	9/2/2006 0:00	-0.11	-0.105
583249	9/3/2006 0:00	-0.093	-0.104
583250	9/4/2006 0:00	-0.129	-0.104
583251	9/5/2006 0:00	-0.127	-0.104
583252	9/6/2006 0:00	-0.109	-0.104
583253	9/7/2006 0:00	-0.096	-0.104
583254	9/8/2006 0:00	-0.106	-0.104
583255	9/9/2006 0:00	-0.112	-0.105
583256	9/10/2006 0:00	-0.13	-0.106
583257	9/11/2006 0:00	-0.105	-0.107
583258	9/12/2006 0:00	-0.098	-0.108
583259	9/13/2006 0:00	-0.112	-0.108
583260	9/14/2006 0:00	-0.099	-0.107
583261	9/15/2006 0:00	-0.106	-0.106
583262	9/16/2006 0:00	-0.089	-0.106
583263	9/17/2006 0:00	-0.1	-0.107
583264	9/18/2006 0:00	-0.091	-0.108
583265	9/19/2006 0:00	-0.106	-0.108
583266	9/20/2006 0:00	-0.108	-0.108
583267	9/21/2006 0:00	-0.096	-0.108
583268	9/22/2006 0:00	-0.086	-0.108
583269	9/23/2006 0:00	-0.108	-0.109
583270	9/24/2006 0:00	-0.111	-0.109
583271	9/25/2006 0:00	-0.102	-0.11

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583272	9/26/2006 0:00	-0.116	-0.109
583273	9/27/2006 0:00	-0.135	-0.108
583274	9/28/2006 0:00	-0.098	-0.109
583275	9/29/2006 0:00	-0.105	-0.108
583276	9/30/2006 0:00	-0.095	-0.107
583277	10/1/2006 0:00	-0.117	-0.106
583278	10/2/2006 0:00	-0.133	-0.105
583279	10/3/2006 0:00	-0.126	-0.105
583280	10/4/2006 0:00	-0.112	-0.106
583281	10/5/2006 0:00	-0.104	-0.106
583282	10/6/2006 0:00	-0.124	-0.106
583283	10/7/2006 0:00	-0.127	-0.106
583284	10/8/2006 0:00	-0.127	-0.107
583285	10/9/2006 0:00	-0.108	-0.107
583286	10/10/2006 0:00	-0.127	-0.107
583287	10/11/2006 0:00	-0.097	-0.108
583288	10/12/2006 0:00	-0.099	-0.107
583289	10/13/2006 0:00	-0.112	-0.107
583290	10/14/2006 0:00	-0.1	-0.107
583291	10/15/2006 0:00	-0.066	-0.106
583292	10/16/2006 0:00	-0.052	-0.106
583293	10/17/2006 0:00	-0.07	-0.106
583294	10/18/2006 0:00	-0.11	-0.105
583295	10/19/2006 0:00	-0.119	-0.105
583296	10/20/2006 0:00	-0.101	-0.105
583297	10/21/2006 0:00	-0.097	-0.105
583298	10/22/2006 0:00	-0.1	-0.105
583299	10/23/2006 0:00	-0.121	-0.104
583300	10/24/2006 0:00	-0.113	-0.103
583301	10/25/2006 0:00	-0.114	-0.102
583302	10/26/2006 0:00	-0.109	-0.101
583303	10/27/2006 0:00	-0.116	-0.101
583304	10/28/2006 0:00	-0.109	-0.102
583305	10/29/2006 0:00	-0.101	-0.101
583306	10/30/2006 0:00	-0.092	-0.101
583307	10/31/2006 0:00	-0.095	-0.103
583308	11/1/2006 0:00	-0.108	-0.105
583309	11/2/2006 0:00	-0.107	-0.107
583310	11/3/2006 0:00	-0.11	-0.107
583311	11/4/2006 0:00	-0.129	-0.108
583312	11/5/2006 0:00	-0.108	-0.108
583313	11/6/2006 0:00	-0.11	-0.108
583314	11/7/2006 0:00	-0.109	-0.109
583315	11/8/2006 0:00	-0.074	-0.109
583316	11/9/2006 0:00	-0.076	-0.109
583317	11/10/2006 0:00	-0.099	-0.109
583318	11/11/2006 0:00	-0.121	-0.109
583319	11/12/2006 0:00	-0.106	-0.108
583320	11/13/2006 0:00	-0.102	-0.108
583321	11/14/2006 0:00	-0.099	-0.108
583322	11/15/2006 0:00	-0.116	-0.11
583323	11/16/2006 0:00	-0.105	-0.111
583324	11/17/2006 0:00	-0.131	-0.111
583325	11/18/2006 0:00	-0.124	-0.111
583326	11/19/2006 0:00	-0.135	-0.112
583327	11/20/2006 0:00	-0.123	-0.112
583328	11/21/2006 0:00	-0.102	-0.112
583329	11/22/2006 0:00	-0.115	-0.112
583330	11/23/2006 0:00	-0.126	-0.113
583331	11/24/2006 0:00	-0.119	-0.114
583332	11/25/2006 0:00	-0.109	-0.116
583333	11/26/2006 0:00	-0.104	-0.116
583334	11/27/2006 0:00	-0.102	-0.117
583335	11/28/2006 0:00	-0.094	-0.117
583336	11/29/2006 0:00	-0.108	-0.118
583337	11/30/2006 0:00	-0.136	-0.118
583338	12/1/2006 0:00	-0.132	-0.119
583339	12/2/2006 0:00	-0.115	-0.119
583340	12/3/2006 0:00	-0.114	-0.118
583341	12/4/2006 0:00	-0.136	-0.119
583342	12/5/2006 0:00	-0.125	-0.118
583343	12/6/2006 0:00	-0.122	-0.119
583344	12/7/2006 0:00	-0.111	-0.12
583345	12/8/2006 0:00	-0.116	-0.12

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583346	12/9/2006 0:00	-0.129	-0.12
583347	12/10/2006 0:00	-0.11	-0.121
583348	12/11/2006 0:00	-0.124	-0.122
583349	12/12/2006 0:00	-0.132	-0.123
583350	12/13/2006 0:00	-0.126	-0.124
583351	12/14/2006 0:00	-0.113	-0.127
583352	12/15/2006 0:00	-0.122	-0.127
583353	12/16/2006 0:00	-0.126	-0.128
583354	12/17/2006 0:00	-0.11	-0.128
583355	12/18/2006 0:00	-0.11	-0.129
583356	12/19/2006 0:00	-0.133	-0.128
583357	12/20/2006 0:00	-0.126	-0.127
583358	12/21/2006 0:00	-0.146	-0.128
583359	12/22/2006 0:00	-0.128	-0.129
583360	12/23/2006 0:00	-0.12	-0.13
583361	12/24/2006 0:00	-0.121	-0.131
583362	12/25/2006 0:00	-0.155	-0.131
583363	12/26/2006 0:00	-0.145	-0.131
583364	12/27/2006 0:00	-0.142	-0.131
583365	12/28/2006 0:00	-0.132	-0.13
583366	12/29/2006 0:00	-0.163	-0.131
583367	12/30/2006 0:00	-0.127	-0.132
583368	12/31/2006 0:00	-0.15	-0.133
583369	1/1/2007 0:00	-0.142	-0.133
583370	1/2/2007 0:00	-0.129	-0.133
583371	1/3/2007 0:00	-0.105	-0.134
583372	1/4/2007 0:00	-0.113	-0.135
583373	1/5/2007 0:00	-0.153	-0.134
583374	1/6/2007 0:00	-0.138	-0.133
583375	1/7/2007 0:00	-0.148	-0.133
583376	1/8/2007 0:00	-0.137	-0.134
583377	1/9/2007 0:00	-0.135	-0.135
583378	1/10/2007 0:00	-0.113	-0.134
583379	1/11/2007 0:00	-0.106	-0.134
583380	1/12/2007 0:00	-0.124	-0.133
583381	1/13/2007 0:00	-0.145	-0.133
583382	1/14/2007 0:00	-0.139	-0.132
583383	1/15/2007 0:00	-0.15	-0.133
583384	1/16/2007 0:00	-0.128	-0.131
583385	1/17/2007 0:00	-0.121	-0.13
583386	1/18/2007 0:00	-0.152	-0.13
583387	1/19/2007 0:00	-0.141	-0.131
583388	1/20/2007 0:00	-0.116	-0.132
583389	1/21/2007 0:00	-0.106	-0.131
583390	1/22/2007 0:00	-0.13	-0.13
583391	1/23/2007 0:00	-0.144	-0.13
583392	1/24/2007 0:00	-0.153	-0.13
583393	1/25/2007 0:00	-0.141	-0.129
583394	1/26/2007 0:00	-0.122	-0.13
583395	1/27/2007 0:00	-0.117	-0.13
583396	1/28/2007 0:00	-0.134	-0.13
583397	1/29/2007 0:00	-0.14	-0.13
583398	1/30/2007 0:00	-0.134	-0.129
583399	1/31/2007 0:00	-0.095	-0.128
583400	2/1/2007 0:00	-0.12	-0.128
583401	2/2/2007 0:00	-0.119	-0.127
583402	2/3/2007 0:00	-0.137	-0.126
583403	2/4/2007 0:00	-0.141	-0.124
583404	2/5/2007 0:00	-0.12	-0.124
583405	2/6/2007 0:00	-0.136	-0.124
583406	2/7/2007 0:00	-0.13	-0.123
583407	2/8/2007 0:00	-0.13	-0.122
583408	2/9/2007 0:00	-0.117	-0.121
583409	2/10/2007 0:00	-0.127	-0.12
583410	2/11/2007 0:00	-0.104	-0.12
583411	2/12/2007 0:00	-0.142	-0.118
583412	2/13/2007 0:00	-0.133	-0.117
583413	2/14/2007 0:00	-0.117	-0.116
583414	2/15/2007 0:00	-0.131	-0.116
583415	2/16/2007 0:00	-0.104	-0.116
583416	2/17/2007 0:00	-0.106	-0.116
583417	2/18/2007 0:00	-0.109	-0.117
583418	2/19/2007 0:00	-0.102	-0.117
583419	2/20/2007 0:00	-0.113	-0.115

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583420	2/21/2007 0:00	-0.101	-0.115
583421	2/22/2007 0:00	-0.103	-0.114
583422	2/23/2007 0:00	-0.105	-0.113
583423	2/24/2007 0:00	-0.123	-0.113
583424	2/25/2007 0:00	-0.111	-0.113
583425	2/26/2007 0:00	-0.109	-0.112
583426	2/27/2007 0:00	-0.077	-0.112
583427	2/28/2007 0:00	-0.091	-0.111
583428	3/1/2007 0:00	-0.109	-0.111
583429	3/2/2007 0:00	-0.126	-0.11
583430	3/3/2007 0:00	-0.113	-0.109
583431	3/4/2007 0:00	-0.114	-0.108
583432	3/5/2007 0:00	-0.131	-0.107
583433	3/6/2007 0:00	-0.137	-0.107
583434	3/7/2007 0:00	-0.103	-0.107
583435	3/8/2007 0:00	-0.11	-0.107
583436	3/9/2007 0:00	-0.109	-0.106
583437	3/10/2007 0:00	-0.107	-0.106
583438	3/11/2007 0:00	-0.128	-0.105
583439	3/12/2007 0:00	-0.121	-0.104
583440	3/13/2007 0:00	-0.092	-0.103
583441	3/14/2007 0:00	-0.089	-0.104
583442	3/15/2007 0:00	-0.124	-0.105
583443	3/16/2007 0:00	-0.126	-0.106
583444	3/17/2007 0:00	-0.097	-0.105
583445	3/18/2007 0:00	-0.078	-0.104
583446	3/19/2007 0:00	-0.095	-0.104
583447	3/20/2007 0:00	-0.073	-0.104
583448	3/21/2007 0:00	-0.099	-0.104
583449	3/22/2007 0:00	-0.111	-0.103
583450	3/23/2007 0:00	-0.104	-0.104
583451	3/24/2007 0:00	-0.082	-0.104
583452	3/25/2007 0:00	-0.085	-0.103
583453	3/26/2007 0:00	-0.083	-0.103
583454	3/27/2007 0:00	-0.085	-0.102
583455	3/28/2007 0:00	-0.098	-0.101
583456	3/29/2007 0:00	-0.12	-0.101
583457	3/30/2007 0:00	-0.118	-0.101
583458	3/31/2007 0:00	-0.11	-0.1
583459	4/1/2007 0:00	-0.09	-0.099
583460	4/2/2007 0:00	-0.088	-0.099
583461	4/3/2007 0:00	-0.112	-0.101
583462	4/4/2007 0:00	-0.11	-0.102
583463	4/5/2007 0:00	-0.134	-0.104
583464	4/6/2007 0:00	-0.116	-0.104
583465	4/7/2007 0:00	-0.143	-0.103
583466	4/8/2007 0:00	-0.089	-0.103
583467	4/9/2007 0:00	-0.094	-0.104
583468	4/10/2007 0:00	-0.103	-0.105
583469	4/11/2007 0:00	-0.094	-0.106
583470	4/12/2007 0:00	-0.083	-0.108
583471	4/13/2007 0:00	-0.102	-0.108
583472	4/14/2007 0:00	-0.092	-0.108
583473	4/15/2007 0:00	-0.094	-0.108
583474	4/16/2007 0:00	-0.103	-0.109
583475	4/17/2007 0:00	-0.094	-0.11
583476	4/18/2007 0:00	-0.127	-0.111
583477	4/19/2007 0:00	-0.12	-0.11
583478	4/20/2007 0:00	-0.13	-0.11
583479	4/21/2007 0:00	-0.101	-0.11
583480	4/22/2007 0:00	-0.093	-0.11
583481	4/23/2007 0:00	-0.102	-0.109
583482	4/24/2007 0:00	-0.111	-0.11
583483	4/25/2007 0:00	-0.119	-0.112
583484	4/26/2007 0:00	-0.122	-0.112
583485	4/27/2007 0:00	-0.122	-0.113
583486	4/28/2007 0:00	-0.118	-0.114
583487	4/29/2007 0:00	-0.126	-0.116
583488	4/30/2007 0:00	-0.119	-0.117
583489	5/1/2007 0:00	-0.119	-0.118
583490	5/2/2007 0:00	-0.129	-0.118
583491	5/3/2007 0:00	-0.119	-0.12
583492	5/4/2007 0:00	-0.097	-0.12
583493	5/5/2007 0:00	-0.104	-0.12

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583494	5/6/2007 0:00	-0.121	-0.12
583495	5/7/2007 0:00	-0.114	-0.121
583496	5/8/2007 0:00	-0.128	-0.122
583497	5/9/2007 0:00	-0.124	-0.123
583498	5/10/2007 0:00	-0.128	-0.123
583499	5/11/2007 0:00	-0.132	-0.123
583500	5/12/2007 0:00	-0.119	-0.123
583501	5/13/2007 0:00	-0.117	-0.123
583502	5/14/2007 0:00	-0.147	-0.123
583503	5/15/2007 0:00	-0.118	-0.123
583504	5/16/2007 0:00	-0.129	-0.123
583505	5/17/2007 0:00	-0.123	-0.123
583506	5/18/2007 0:00	-0.131	-0.122
583507	5/19/2007 0:00	-0.138	-0.122
583508	5/20/2007 0:00	-0.126	-0.122
583509	5/21/2007 0:00	-0.124	-0.122
583510	5/22/2007 0:00	-0.14	-0.12
583511	5/23/2007 0:00	-0.118	-0.12
583512	5/24/2007 0:00	-0.119	-0.12
583513	5/25/2007 0:00	-0.123	-0.12
583514	5/26/2007 0:00	-0.132	-0.12
583515	5/27/2007 0:00	-0.114	-0.12
583516	5/28/2007 0:00	-0.119	-0.119
583517	5/29/2007 0:00	-0.118	-0.12
583518	5/30/2007 0:00	-0.118	-0.12
583519	5/31/2007 0:00	-0.123	-0.12
583520	6/1/2007 0:00	-0.105	-0.119
583521	6/2/2007 0:00	-0.114	-0.12
583522	6/3/2007 0:00	-0.117	-0.12
583523	6/4/2007 0:00	-0.107	-0.12
583524	6/5/2007 0:00	-0.093	-0.121
583525	6/6/2007 0:00	-0.06	-0.121
583526	6/7/2007 0:00	-0.117	-0.121
583527	6/8/2007 0:00	-0.131	-0.122
583528	6/9/2007 0:00	-0.118	-0.123
583529	6/10/2007 0:00	-0.132	-0.123
583530	6/11/2007 0:00	-0.117	-0.124
583531	6/12/2007 0:00	-0.097	-0.126
583532	6/13/2007 0:00	-0.14	-0.127
583533	6/14/2007 0:00	-0.143	-0.128
583534	6/15/2007 0:00	-0.12	-0.129
583535	6/16/2007 0:00	-0.122	-0.129
583536	6/17/2007 0:00	-0.137	-0.13
583537	6/18/2007 0:00	-0.124	-0.131
583538	6/19/2007 0:00	-0.144	-0.132
583539	6/20/2007 0:00	-0.152	-0.132
583540	6/21/2007 0:00	-0.128	-0.134
583541	6/22/2007 0:00	-0.144	-0.136
583542	6/23/2007 0:00	-0.152	-0.136
583543	6/24/2007 0:00	-0.149	-0.136
583544	6/25/2007 0:00	-0.139	-0.136
583545	6/26/2007 0:00	-0.163	-0.136
583546	6/27/2007 0:00	-0.156	-0.137
583547	6/28/2007 0:00	-0.162	-0.139
583548	6/29/2007 0:00	-0.145	-0.139
583549	6/30/2007 0:00	-0.138	-0.138
583550	7/1/2007 0:00	-0.138	-0.138
583551	7/2/2007 0:00	-0.131	-0.139
583552	7/3/2007 0:00	-0.143	-0.139
583553	7/4/2007 0:00	-0.139	-0.139
583554	7/5/2007 0:00	-0.129	-0.138
583555	7/6/2007 0:00	-0.129	-0.137
583556	7/7/2007 0:00	-0.124	-0.137
583557	7/8/2007 0:00	-0.114	-0.137
583558	7/9/2007 0:00	-0.133	-0.137
583559	7/10/2007 0:00	-0.121	-0.136
583560	7/11/2007 0:00	-0.136	-0.136
583561	7/12/2007 0:00	-0.162	-0.135
583562	7/13/2007 0:00	-0.147	-0.134
583563	7/14/2007 0:00	-0.144	-0.133
583564	7/15/2007 0:00	-0.118	-0.133
583565	7/16/2007 0:00	-0.122	-0.132
583566	7/17/2007 0:00	-0.141	-0.132
583567	7/18/2007 0:00	-0.142	-0.132



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583568	7/19/2007 0:00	-0.132	-0.132
583569	7/20/2007 0:00	-0.121	-0.131
583570	7/21/2007 0:00	-0.117	-0.13
583571	7/22/2007 0:00	-0.126	-0.13
583572	7/23/2007 0:00	-0.145	-0.13
583573	7/24/2007 0:00	-0.132	-0.13
583574	7/25/2007 0:00	-0.121	-0.129
583575	7/26/2007 0:00	-0.136	-0.129
583576	7/27/2007 0:00	-0.13	-0.129
583577	7/28/2007 0:00	-0.137	-0.128
583578	7/29/2007 0:00	-0.137	-0.127
583579	7/30/2007 0:00	-0.122	-0.126
583580	7/31/2007 0:00	-0.133	-0.127
583581	8/1/2007 0:00	-0.128	-0.127
583582	8/2/2007 0:00	-0.13	-0.128
583583	8/3/2007 0:00	-0.129	-0.128
583584	8/4/2007 0:00	-0.117	-0.128
583585	8/5/2007 0:00	-0.108	-0.129
583586	8/6/2007 0:00	-0.116	-0.129
583587	8/7/2007 0:00	-0.138	-0.129
583588	8/8/2007 0:00	-0.111	-0.129
583589	8/9/2007 0:00	-0.109	-0.129
583590	8/10/2007 0:00	-0.116	-0.13
583591	8/11/2007 0:00	-0.124	-0.13
583592	8/12/2007 0:00	-0.129	-0.13
583593	8/13/2007 0:00	-0.12	-0.13
583594	8/14/2007 0:00	-0.121	-0.13
583595	8/15/2007 0:00	-0.151	-0.132
583596	8/16/2007 0:00	-0.115	-0.132
583597	8/17/2007 0:00	-0.16	-0.133
583598	8/18/2007 0:00	-0.143	-0.133
583599	8/19/2007 0:00	-0.135	-0.133
583600	8/20/2007 0:00	-0.151	-0.134
583601	8/21/2007 0:00	-0.134	-0.135
583602	8/22/2007 0:00	-0.134	-0.136
583603	8/23/2007 0:00	-0.125	-0.136
583604	8/24/2007 0:00	-0.148	-0.137
583605	8/25/2007 0:00	-0.154	-0.138
583606	8/26/2007 0:00	-0.131	-0.138
583607	8/27/2007 0:00	-0.141	-0.139
583608	8/28/2007 0:00	-0.127	-0.139
583609	8/29/2007 0:00	-0.14	-0.139
583610	8/30/2007 0:00	-0.171	-0.14
583611	8/31/2007 0:00	-0.142	-0.139
583612	9/1/2007 0:00	-0.146	-0.139
583613	9/2/2007 0:00	-0.127	-0.138
583614	9/3/2007 0:00	-0.145	-0.139
583615	9/4/2007 0:00	-0.145	-0.138
583616	9/5/2007 0:00	-0.13	-0.137
583617	9/6/2007 0:00	-0.158	-0.137
583618	9/7/2007 0:00	-0.146	-0.137
583619	9/8/2007 0:00	-0.131	-0.137
583620	9/9/2007 0:00	-0.133	-0.137
583621	9/10/2007 0:00	-0.118	-0.137
583622	9/11/2007 0:00	-0.153	-0.136
583623	9/12/2007 0:00	-0.139	-0.136
583624	9/13/2007 0:00	-0.119	-0.137
583625	9/14/2007 0:00	-0.141	-0.137
583626	9/15/2007 0:00	-0.126	-0.136
583627	9/16/2007 0:00	-0.125	-0.135
583628	9/17/2007 0:00	-0.14	-0.134
583629	9/18/2007 0:00	-0.154	-0.134
583630	9/19/2007 0:00	-0.118	-0.133
583631	9/20/2007 0:00	-0.112	-0.133
583632	9/21/2007 0:00	-0.137	-0.132
583633	9/22/2007 0:00	-0.135	-0.131
583634	9/23/2007 0:00	-0.117	-0.13
583635	9/24/2007 0:00	-0.152	-0.13
583636	9/25/2007 0:00	-0.139	-0.131
583637	9/26/2007 0:00	-0.114	-0.132
583638	9/27/2007 0:00	-0.133	-0.13
583639	9/28/2007 0:00	-0.157	-0.129
583640	9/29/2007 0:00	-0.142	-0.129
583641	9/30/2007 0:00	-0.134	-0.129

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583642	10/1/2007 0:00	-0.118	-0.128
583643	10/2/2007 0:00	-0.122	-0.129
583644	10/3/2007 0:00	-0.12	-0.127
583645	10/4/2007 0:00	-0.119	-0.126
583646	10/5/2007 0:00	-0.142	-0.126
583647	10/6/2007 0:00	-0.104	-0.126
583648	10/7/2007 0:00	-0.124	-0.127
583649	10/8/2007 0:00	-0.116	-0.127
583650	10/9/2007 0:00	-0.135	-0.127
583651	10/10/2007 0:00	-0.173	-0.127
583652	10/11/2007 0:00	-0.124	-0.127
583653	10/12/2007 0:00	-0.11	-0.128
583654	10/13/2007 0:00	-0.106	-0.13
583655	10/14/2007 0:00	-0.123	-0.129
583656	10/15/2007 0:00	-0.136	-0.129
583657	10/16/2007 0:00	-0.103	-0.129
583658	10/17/2007 0:00	-0.129	-0.13
583659	10/18/2007 0:00	-0.082	-0.131
583660	10/19/2007 0:00	-0.121	-0.131
583661	10/20/2007 0:00	-0.123	-0.132
583662	10/21/2007 0:00	-0.133	-0.132
583663	10/22/2007 0:00	-0.138	-0.135
583664	10/23/2007 0:00	-0.145	-0.136
583665	10/24/2007 0:00	-0.129	-0.138
583666	10/25/2007 0:00	-0.145	-0.139
583667	10/26/2007 0:00	-0.14	-0.137
583668	10/27/2007 0:00	-0.155	-0.138
583669	10/28/2007 0:00	-0.175	-0.14
583670	10/29/2007 0:00	-0.131	-0.141
583671	10/30/2007 0:00	-0.142	-0.141
583672	10/31/2007 0:00	-0.142	-0.142
583673	11/1/2007 0:00	-0.151	-0.143
583674	11/2/2007 0:00	-0.143	-0.145
583675	11/3/2007 0:00	-0.132	-0.148
583676	11/4/2007 0:00	-0.144	-0.149
583677	11/5/2007 0:00	-0.155	-0.15
583678	11/6/2007 0:00	-0.17	-0.151
583679	11/7/2007 0:00	-0.182	-0.152
583680	11/8/2007 0:00	-0.161	-0.152
583681	11/9/2007 0:00	-0.155	-0.154
583682	11/10/2007 0:00	-0.137	-0.154
583683	11/11/2007 0:00	-0.152	-0.154
583684	11/12/2007 0:00	-0.151	-0.154
583685	11/13/2007 0:00	-0.147	-0.153
583686	11/14/2007 0:00	-0.138	-0.154
583687	11/15/2007 0:00	-0.141	-0.154
583688	11/16/2007 0:00	-0.16	-0.154
583689	11/17/2007 0:00	-0.173	-0.154
583690	11/18/2007 0:00	-0.172	-0.155
583691	11/19/2007 0:00	-0.148	-0.156
583692	11/20/2007 0:00	-0.153	-0.156
583693	11/21/2007 0:00	-0.166	-0.156
583694	11/22/2007 0:00	-0.179	-0.155
583695	11/23/2007 0:00	-0.15	-0.154
583696	11/24/2007 0:00	-0.171	-0.153
583697	11/25/2007 0:00	-0.148	-0.153
583698	11/26/2007 0:00	-0.166	-0.154
583699	11/27/2007 0:00	-0.133	-0.155
583700	11/28/2007 0:00	-0.146	-0.155
583701	11/29/2007 0:00	-0.171	-0.155
583702	11/30/2007 0:00	-0.143	-0.155
583703	12/1/2007 0:00	-0.151	-0.155
583704	12/2/2007 0:00	-0.141	-0.155
583705	12/3/2007 0:00	-0.172	-0.154
583706	12/4/2007 0:00	-0.173	-0.153
583707	12/5/2007 0:00	-0.143	-0.152
583708	12/6/2007 0:00	-0.146	-0.151
583709	12/7/2007 0:00	-0.146	-0.151
583710	12/8/2007 0:00	-0.137	-0.151
583711	12/9/2007 0:00	-0.145	-0.151
583712	12/10/2007 0:00	-0.148	-0.15
583713	12/11/2007 0:00	-0.168	-0.149
583714	12/12/2007 0:00	-0.171	-0.148
583715	12/13/2007 0:00	-0.168	-0.148

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583716	12/14/2007 0:00	-0.141	-0.148
583717	12/15/2007 0:00	-0.13	-0.148
583718	12/16/2007 0:00	-0.142	-0.147
583719	12/17/2007 0:00	-0.165	-0.147
583720	12/18/2007 0:00	-0.151	-0.148
583721	12/19/2007 0:00	-0.129	-0.147
583722	12/20/2007 0:00	-0.114	-0.146
583723	12/21/2007 0:00	-0.127	-0.146
583724	12/22/2007 0:00	-0.157	-0.146
583725	12/23/2007 0:00	-0.193	-0.146
583726	12/24/2007 0:00	-0.153	-0.146
583727	12/25/2007 0:00	-0.128	-0.146
583728	12/26/2007 0:00	-0.126	-0.146
583729	12/27/2007 0:00	-0.14	-0.146
583730	12/28/2007 0:00	-0.136	-0.145
583731	12/29/2007 0:00	-0.146	-0.145
583732	12/30/2007 0:00	-0.148	-0.146
583733	12/31/2007 0:00	-0.137	-0.146
583734	1/1/2008 0:00	-0.152	-0.146
583735	1/2/2008 0:00	-0.151	-0.146
583736	1/3/2008 0:00	-0.148	-0.146
583737	1/4/2008 0:00	-0.132	-0.147
583738	1/5/2008 0:00	-0.156	-0.148
583739	1/6/2008 0:00	-0.157	-0.148
583740	1/7/2008 0:00	-0.119	-0.149
583741	1/8/2008 0:00	-0.145	-0.149
583742	1/9/2008 0:00	-0.147	-0.149
583743	1/10/2008 0:00	-0.159	-0.151
583744	1/11/2008 0:00	-0.154	-0.152
583745	1/12/2008 0:00	-0.149	-0.152
583746	1/13/2008 0:00	-0.164	-0.152
583747	1/14/2008 0:00	-0.157	-0.152
583748	1/15/2008 0:00	-0.142	-0.152
583749	1/16/2008 0:00	-0.15	-0.153
583750	1/17/2008 0:00	-0.147	-0.153
583751	1/18/2008 0:00	-0.16	-0.154
583752	1/19/2008 0:00	-0.156	-0.153
583753	1/20/2008 0:00	-0.16	-0.154
583754	1/21/2008 0:00	-0.131	-0.154
583755	1/22/2008 0:00	-0.182	-0.155
583756	1/23/2008 0:00	-0.181	-0.156
583757	1/24/2008 0:00	-0.162	-0.156
583758	1/25/2008 0:00	-0.19	-0.156
583759	1/26/2008 0:00	-0.153	-0.156
583760	1/27/2008 0:00	-0.146	-0.156
583761	1/28/2008 0:00	-0.138	-0.156
583762	1/29/2008 0:00	-0.14	-0.155
583763	1/30/2008 0:00	-0.143	-0.154
583764	1/31/2008 0:00	-0.167	-0.154
583765	2/1/2008 0:00	-0.162	-0.154
583766	2/2/2008 0:00	-0.168	-0.154
583767	2/3/2008 0:00	-0.139	-0.154
583768	2/4/2008 0:00	-0.156	-0.154
583769	2/5/2008 0:00	-0.156	-0.153
583770	2/6/2008 0:00	-0.171	-0.153
583771	2/7/2008 0:00	-0.169	-0.151
583772	2/8/2008 0:00	-0.139	-0.149
583773	2/9/2008 0:00	-0.152	-0.149
583774	2/10/2008 0:00	-0.14	-0.148
583775	2/11/2008 0:00	-0.156	-0.148
583776	2/12/2008 0:00	-0.149	-0.149
583777	2/13/2008 0:00	-0.132	-0.149
583778	2/14/2008 0:00	-0.138	-0.149
583779	2/15/2008 0:00	-0.147	-0.149
583780	2/16/2008 0:00	-0.146	-0.148
583781	2/17/2008 0:00	-0.161	-0.148
583782	2/18/2008 0:00	-0.132	-0.147
583783	2/19/2008 0:00	-0.162	-0.148
583784	2/20/2008 0:00	-0.143	-0.147
583785	2/21/2008 0:00	-0.119	-0.147
583786	2/22/2008 0:00	-0.132	-0.146
583787	2/23/2008 0:00	-0.12	-0.145
583788	2/24/2008 0:00	-0.159	-0.145
583789	2/25/2008 0:00	-0.14	-0.145

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583790	2/26/2008 0:00	-0.164	-0.144
583791	2/27/2008 0:00	-0.175	-0.143
583792	2/28/2008 0:00	-0.137	-0.143
583793	2/29/2008 0:00	-0.146	-0.143
583794	3/1/2008 0:00	-0.143	-0.142
583795	3/2/2008 0:00	-0.137	-0.141
583796	3/3/2008 0:00	-0.154	-0.141
583797	3/4/2008 0:00	-0.156	-0.14
583798	3/5/2008 0:00	-0.156	-0.14
583799	3/6/2008 0:00	-0.137	-0.139
583800	3/7/2008 0:00	-0.154	-0.14
583801	3/8/2008 0:00	-0.122	-0.141
583802	3/9/2008 0:00	-0.145	-0.141
583803	3/10/2008 0:00	-0.146	-0.142
583804	3/11/2008 0:00	-0.138	-0.141
583805	3/12/2008 0:00	-0.13	-0.141
583806	3/13/2008 0:00	-0.12	-0.14
583807	3/14/2008 0:00	-0.141	-0.139
583808	3/15/2008 0:00	-0.131	-0.139
583809	3/16/2008 0:00	-0.111	-0.138
583810	3/17/2008 0:00	-0.123	-0.138
583811	3/18/2008 0:00	-0.14	-0.138
583812	3/19/2008 0:00	-0.119	-0.137
583813	3/20/2008 0:00	-0.137	-0.137
583814	3/21/2008 0:00	-0.146	-0.136
583815	3/22/2008 0:00	-0.152	-0.135
583816	3/23/2008 0:00	-0.16	-0.135
583817	3/24/2008 0:00	-0.132	-0.135
583818	3/25/2008 0:00	-0.14	-0.134
583819	3/26/2008 0:00	-0.136	-0.133
583820	3/27/2008 0:00	-0.141	-0.133
583821	3/28/2008 0:00	-0.149	-0.133
583822	3/29/2008 0:00	-0.127	-0.134
583823	3/30/2008 0:00	-0.15	-0.133
583824	3/31/2008 0:00	-0.117	-0.133
583825	4/1/2008 0:00	-0.136	-0.133
583826	4/2/2008 0:00	-0.123	-0.133
583827	4/3/2008 0:00	-0.133	-0.133
583828	4/4/2008 0:00	-0.145	-0.133
583829	4/5/2008 0:00	-0.121	-0.132
583830	4/6/2008 0:00	-0.124	-0.132
583831	4/7/2008 0:00	-0.137	-0.131
583832	4/8/2008 0:00	-0.125	-0.131
583833	4/9/2008 0:00	-0.112	-0.132
583834	4/10/2008 0:00	-0.125	-0.132
583835	4/11/2008 0:00	-0.132	-0.131
583836	4/12/2008 0:00	-0.145	-0.131
583837	4/13/2008 0:00	-0.146	-0.131
583838	4/14/2008 0:00	-0.122	-0.132
583839	4/15/2008 0:00	-0.116	-0.131
583840	4/16/2008 0:00	-0.112	-0.132
583841	4/17/2008 0:00	-0.126	-0.132
583842	4/18/2008 0:00	-0.129	-0.133
583843	4/19/2008 0:00	-0.117	-0.133
583844	4/20/2008 0:00	-0.131	-0.134
583845	4/21/2008 0:00	-0.119	-0.135
583846	4/22/2008 0:00	-0.143	-0.135
583847	4/23/2008 0:00	-0.162	-0.136
583848	4/24/2008 0:00	-0.137	-0.136
583849	4/25/2008 0:00	-0.138	-0.136
583850	4/26/2008 0:00	-0.12	-0.137
583851	4/27/2008 0:00	-0.148	-0.137
583852	4/28/2008 0:00	-0.147	-0.137
583853	4/29/2008 0:00	-0.144	-0.137
583854	4/30/2008 0:00	-0.137	-0.138
583855	5/1/2008 0:00	-0.146	-0.14
583856	5/2/2008 0:00	-0.132	-0.14
583857	5/3/2008 0:00	-0.149	-0.141
583858	5/4/2008 0:00	-0.139	-0.141
583859	5/5/2008 0:00	-0.158	-0.141
583860	5/6/2008 0:00	-0.154	-0.141
583861	5/7/2008 0:00	-0.137	-0.141
583862	5/8/2008 0:00	-0.153	-0.139
583863	5/9/2008 0:00	-0.127	-0.138

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583864	5/10/2008 0:00	-0.134	-0.138
583865	5/11/2008 0:00	-0.145	-0.137
583866	5/12/2008 0:00	-0.147	-0.138
583867	5/13/2008 0:00	-0.13	-0.138
583868	5/14/2008 0:00	-0.15	-0.138
583869	5/15/2008 0:00	-0.154	-0.138
583870	5/16/2008 0:00	-0.158	-0.137
583871	5/17/2008 0:00	-0.131	-0.136
583872	5/18/2008 0:00	-0.139	-0.136
583873	5/19/2008 0:00	-0.136	-0.135
583874	5/20/2008 0:00	-0.126	-0.134
583875	5/21/2008 0:00	-0.123	-0.133
583876	5/22/2008 0:00	-0.113	-0.133
583877	5/23/2008 0:00	-0.104	-0.132
583878	5/24/2008 0:00	-0.123	-0.131
583879	5/25/2008 0:00	-0.127	-0.131
583880	5/26/2008 0:00	-0.13	-0.131
583881	5/27/2008 0:00	-0.141	-0.131
583882	5/28/2008 0:00	-0.139	-0.131
583883	5/29/2008 0:00	-0.147	-0.131
583884	5/30/2008 0:00	-0.136	-0.131
583885	5/31/2008 0:00	-0.121	-0.131
583886	6/1/2008 0:00	-0.117	-0.13
583887	6/2/2008 0:00	-0.135	-0.13
583888	6/3/2008 0:00	-0.114	-0.13
583889	6/4/2008 0:00	-0.109	-0.13
583890	6/5/2008 0:00	-0.123	-0.13
583891	6/6/2008 0:00	-0.151	-0.131
583892	6/7/2008 0:00	-0.106	-0.131
583893	6/8/2008 0:00	-0.123	-0.132
583894	6/9/2008 0:00	-0.143	-0.133
583895	6/10/2008 0:00	-0.129	-0.133
583896	6/11/2008 0:00	-0.141	-0.133
583897	6/12/2008 0:00	-0.128	-0.133
583898	6/13/2008 0:00	-0.148	-0.134
583899	6/14/2008 0:00	-0.14	-0.135
583900	6/15/2008 0:00	-0.152	-0.135
583901	6/16/2008 0:00	-0.123	-0.135
583902	6/17/2008 0:00	-0.143	-0.136
583903	6/18/2008 0:00	-0.144	-0.136
583904	6/19/2008 0:00	-0.138	-0.137
583905	6/20/2008 0:00	-0.133	-0.137
583906	6/21/2008 0:00	-0.131	-0.137
583907	6/22/2008 0:00	-0.136	-0.137
583908	6/23/2008 0:00	-0.133	-0.137
583909	6/24/2008 0:00	-0.133	-0.138
583910	6/25/2008 0:00	-0.145	-0.138
583911	6/26/2008 0:00	-0.129	-0.138
583912	6/27/2008 0:00	-0.146	-0.138
583913	6/28/2008 0:00	-0.16	-0.138
583914	6/29/2008 0:00	-0.165	-0.138
583915	6/30/2008 0:00	-0.149	-0.138
583916	7/1/2008 0:00	-0.128	-0.138
583917	7/2/2008 0:00	-0.144	-0.138
583918	7/3/2008 0:00	-0.131	-0.137
583919	7/4/2008 0:00	-0.131	-0.136
583920	7/5/2008 0:00	-0.129	-0.135
583921	7/6/2008 0:00	-0.125	-0.134
583922	7/7/2008 0:00	-0.127	-0.135
583923	7/8/2008 0:00	-0.125	-0.134
583924	7/9/2008 0:00	-0.135	-0.135
583925	7/10/2008 0:00	-0.144	-0.135
583926	7/11/2008 0:00	-0.143	-0.135
583927	7/12/2008 0:00	-0.138	-0.135
583928	7/13/2008 0:00	-0.135	-0.134
583929	7/14/2008 0:00	-0.143	-0.132
583930	7/15/2008 0:00	-0.143	-0.131
583931	7/16/2008 0:00	-0.143	-0.131
583932	7/17/2008 0:00	-0.127	-0.131
583933	7/18/2008 0:00	-0.122	-0.131
583934	7/19/2008 0:00	-0.099	-0.131
583935	7/20/2008 0:00	-0.113	-0.132
583936	7/21/2008 0:00	-0.111	-0.132
583937	7/22/2008 0:00	-0.14	-0.133

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
583938	7/23/2008 0:00	-0.125	-0.134
583939	7/24/2008 0:00	-0.147	-0.134
583940	7/25/2008 0:00	-0.136	-0.135
583941	7/26/2008 0:00	-0.155	-0.135
583942	7/27/2008 0:00	-0.125	-0.135
583943	7/28/2008 0:00	-0.109	-0.135
583944	7/29/2008 0:00	-0.111	-0.135
583945	7/30/2008 0:00	-0.134	-0.135
583946	7/31/2008 0:00	-0.14	-0.135
583947	8/1/2008 0:00	-0.143	-0.135
583948	8/2/2008 0:00	-0.139	-0.136
583949	8/3/2008 0:00	-0.132	-0.137
583950	8/4/2008 0:00	-0.138	-0.139
583951	8/5/2008 0:00	-0.16	-0.14
583952	8/6/2008 0:00	-0.153	-0.14
583953	8/7/2008 0:00	-0.141	-0.141
583954	8/8/2008 0:00	-0.14	-0.141
583955	8/9/2008 0:00	-0.151	-0.142
583956	8/10/2008 0:00	-0.14	-0.142
583957	8/11/2008 0:00	-0.144	-0.143
583958	8/12/2008 0:00	-0.142	-0.143
583959	8/13/2008 0:00	-0.141	-0.145
583960	8/14/2008 0:00	-0.152	-0.147
583961	8/15/2008 0:00	-0.132	-0.146
583962	8/16/2008 0:00	-0.157	-0.146
583963	8/17/2008 0:00	-0.156	-0.147
583964	8/18/2008 0:00	-0.144	-0.148
583965	8/19/2008 0:00	-0.158	-0.149
583966	8/20/2008 0:00	-0.139	-0.15
583967	8/21/2008 0:00	-0.124	-0.15
583968	8/22/2008 0:00	-0.147	-0.15
583969	8/23/2008 0:00	-0.145	-0.151
583970	8/24/2008 0:00	-0.172	-0.151
583971	8/25/2008 0:00	-0.146	-0.151
583972	8/26/2008 0:00	-0.174	-0.152
583973	8/27/2008 0:00	-0.135	-0.152
583974	8/28/2008 0:00	-0.15	-0.152
583975	8/29/2008 0:00	-0.177	-0.153
583976	8/30/2008 0:00	-0.107	-0.153
583977	8/31/2008 0:00	-0.151	-0.153
583978	9/1/2008 0:00	-0.16	-0.154
583979	9/2/2008 0:00	-0.185	-0.155
583980	9/3/2008 0:00	-0.156	-0.155
583981	9/4/2008 0:00	-0.168	-0.155
583982	9/5/2008 0:00	-0.174	-0.155
583983	9/6/2008 0:00	-0.146	-0.155
583984	9/7/2008 0:00	-0.152	-0.156
583985	9/8/2008 0:00	-0.163	-0.156
583986	9/9/2008 0:00	-0.156	-0.155
583987	9/10/2008 0:00	-0.147	-0.155
583988	9/11/2008 0:00	-0.168	-0.154
583989	9/12/2008 0:00	-0.139	-0.155
583990	9/13/2008 0:00	-0.153	-0.156
583991	9/14/2008 0:00	-0.147	-0.155
583992	9/15/2008 0:00	-0.161	-0.157
583993	9/16/2008 0:00	-0.182	-0.157
583994	9/17/2008 0:00	-0.17	-0.157
583995	9/18/2008 0:00	-0.165	-0.157
583996	9/19/2008 0:00	-0.147	-0.156
583997	9/20/2008 0:00	-0.128	-0.156
583998	9/21/2008 0:00	-0.147	-0.156
583999	9/22/2008 0:00	-0.154	-0.157
584000	9/23/2008 0:00	-0.15	-0.157
584001	9/24/2008 0:00	-0.139	-0.157
584002	9/25/2008 0:00	-0.145	-0.158
584003	9/26/2008 0:00	-0.157	-0.159
584004	9/27/2008 0:00	-0.174	-0.159
584005	9/28/2008 0:00	-0.17	-0.16
584006	9/29/2008 0:00	-0.149	-0.161
584007	9/30/2008 0:00	-0.153	-0.161
584008	10/1/2008 0:00	-0.166	-0.161
584009	10/2/2008 0:00	-0.162	-0.161
584010	10/3/2008 0:00	-0.162	-0.162
584011	10/4/2008 0:00	-0.148	-0.162

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584012	10/5/2008 0:00	-0.161	-0.163
584013	10/6/2008 0:00	-0.167	-0.164
584014	10/7/2008 0:00	-0.17	-0.164
584015	10/8/2008 0:00	-0.166	-0.165
584016	10/9/2008 0:00	-0.166	-0.165
584017	10/10/2008 0:00	-0.178	-0.166
584018	10/11/2008 0:00	-0.178	-0.167
584019	10/12/2008 0:00	-0.174	-0.169
584020	10/13/2008 0:00	-0.181	-0.169
584021	10/14/2008 0:00	-0.164	-0.17
584022	10/15/2008 0:00	-0.165	-0.172
584023	10/16/2008 0:00	-0.165	-0.174
584024	10/17/2008 0:00	-0.182	-0.173
584025	10/18/2008 0:00	-0.187	-0.172
584026	10/19/2008 0:00	-0.178	-0.172
584027	10/20/2008 0:00	-0.173	-0.172
584028	10/21/2008 0:00	-0.151	-0.172
584029	10/22/2008 0:00	-0.161	-0.173
584030	10/23/2008 0:00	-0.177	-0.173
584031	10/24/2008 0:00	-0.155	-0.173
584032	10/25/2008 0:00	-0.158	-0.172
584033	10/26/2008 0:00	-0.18	-0.17
584034	10/27/2008 0:00	-0.208	-0.169
584035	10/28/2008 0:00	-0.201	-0.169
584036	10/29/2008 0:00	-0.185	-0.168
584037	10/30/2008 0:00	-0.214	-0.167
584038	10/31/2008 0:00	-0.208	-0.166
584039	11/1/2008 0:00	-0.142	-0.166
584040	11/2/2008 0:00	-0.132	-0.165
584041	11/3/2008 0:00	-0.158	-0.165
584042	11/4/2008 0:00	-0.138	-0.165
584043	11/5/2008 0:00	-0.165	-0.166
584044	11/6/2008 0:00	-0.201	-0.166
584045	11/7/2008 0:00	-0.182	-0.167
584046	11/8/2008 0:00	-0.17	-0.166
584047	11/9/2008 0:00	-0.11	-0.167
584048	11/10/2008 0:00	-0.135	-0.166
584049	11/11/2008 0:00	-0.155	-0.165
584050	11/12/2008 0:00	-0.172	-0.165
584051	11/13/2008 0:00	-0.123	-0.164
584052	11/14/2008 0:00	-0.134	-0.163
584053	11/15/2008 0:00	-0.158	-0.161
584054	11/16/2008 0:00	-0.149	-0.159
584055	11/17/2008 0:00	-0.163	-0.159
584056	11/18/2008 0:00	-0.177	-0.16
584057	11/19/2008 0:00	-0.185	-0.161
584058	11/20/2008 0:00	-0.188	-0.162
584059	11/21/2008 0:00	-0.169	-0.163
584060	11/22/2008 0:00	-0.173	-0.163
584061	11/23/2008 0:00	-0.172	-0.162
584062	11/24/2008 0:00	-0.164	-0.162
584063	11/25/2008 0:00	-0.143	-0.164
584064	11/26/2008 0:00	-0.15	-0.165
584065	11/27/2008 0:00	-0.197	-0.165
584066	11/28/2008 0:00	-0.163	-0.164
584067	11/29/2008 0:00	-0.176	-0.165
584068	11/30/2008 0:00	-0.132	-0.165
584069	12/1/2008 0:00	-0.154	-0.166
584070	12/2/2008 0:00	-0.156	-0.166
584071	12/3/2008 0:00	-0.146	-0.166
584072	12/4/2008 0:00	-0.202	-0.166
584073	12/5/2008 0:00	-0.169	-0.166
584074	12/6/2008 0:00	-0.192	-0.166
584075	12/7/2008 0:00	-0.184	-0.165
584076	12/8/2008 0:00	-0.152	-0.165
584077	12/9/2008 0:00	-0.181	-0.164
584078	12/10/2008 0:00	-0.165	-0.165
584079	12/11/2008 0:00	-0.164	-0.165
584080	12/12/2008 0:00	-0.152	-0.165
584081	12/13/2008 0:00	-0.148	-0.164
584082	12/14/2008 0:00	-0.15	-0.164
584083	12/15/2008 0:00	-0.142	-0.165
584084	12/16/2008 0:00	-0.175	-0.167
584085	12/17/2008 0:00	-0.16	-0.167

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584086	12/18/2008 0:00	-0.165	-0.168
584087	12/19/2008 0:00	-0.17	-0.167
584088	12/20/2008 0:00	-0.191	-0.167
584089	12/21/2008 0:00	-0.175	-0.166
584090	12/22/2008 0:00	-0.156	-0.165
584091	12/23/2008 0:00	-0.155	-0.163
584092	12/24/2008 0:00	-0.171	-0.164
584093	12/25/2008 0:00	-0.167	-0.164
584094	12/26/2008 0:00	-0.151	-0.165
584095	12/27/2008 0:00	-0.163	-0.166
584096	12/28/2008 0:00	-0.168	-0.167
584097	12/29/2008 0:00	-0.161	-0.168
584098	12/30/2008 0:00	-0.202	-0.169
584099	12/31/2008 0:00	-0.188	-0.17
584100	1/1/2009 0:00	-0.168	-0.171
584101	1/2/2009 0:00	-0.165	-0.172
584102	1/3/2009 0:00	-0.127	-0.172
584103	1/4/2009 0:00	-0.19	-0.172
584104	1/5/2009 0:00	-0.162	-0.17
584105	1/6/2009 0:00	-0.14	-0.17
584106	1/7/2009 0:00	-0.137	-0.171
584107	1/8/2009 0:00	-0.174	-0.171
584108	1/9/2009 0:00	-0.172	-0.172
584109	1/10/2009 0:00	-0.206	-0.173
584110	1/11/2009 0:00	-0.198	-0.173
584111	1/12/2009 0:00	-0.186	-0.173
584112	1/13/2009 0:00	-0.178	-0.173
584113	1/14/2009 0:00	-0.181	-0.173
584114	1/15/2009 0:00	-0.183	-0.172
584115	1/16/2009 0:00	-0.182	-0.171
584116	1/17/2009 0:00	-0.187	-0.17
584117	1/18/2009 0:00	-0.173	-0.17
584118	1/19/2009 0:00	-0.166	-0.171
584119	1/20/2009 0:00	-0.155	-0.171
584120	1/21/2009 0:00	-0.145	-0.172
584121	1/22/2009 0:00	-0.194	-0.173
584122	1/23/2009 0:00	-0.176	-0.173
584123	1/24/2009 0:00	-0.195	-0.173
584124	1/25/2009 0:00	-0.189	-0.172
584125	1/26/2009 0:00	-0.143	-0.171
584126	1/27/2009 0:00	-0.163	-0.17
584127	1/28/2009 0:00	-0.163	-0.17
584128	1/29/2009 0:00	-0.178	-0.17
584129	1/30/2009 0:00	-0.163	-0.169
584130	1/31/2009 0:00	-0.148	-0.168
584131	2/1/2009 0:00	-0.152	-0.167
584132	2/2/2009 0:00	-0.16	-0.166
584133	2/3/2009 0:00	-0.176	-0.165
584134	2/4/2009 0:00	-0.169	-0.165
584135	2/5/2009 0:00	-0.196	-0.166
584136	2/6/2009 0:00	-0.165	-0.167
584137	2/7/2009 0:00	-0.146	-0.167
584138	2/8/2009 0:00	-0.172	-0.167
584139	2/9/2009 0:00	-0.143	-0.166
584140	2/10/2009 0:00	-0.174	-0.165
584141	2/11/2009 0:00	-0.176	-0.166
584142	2/12/2009 0:00	-0.172	-0.167
584143	2/13/2009 0:00	-0.174	-0.167
584144	2/14/2009 0:00	-0.162	-0.167
584145	2/15/2009 0:00	-0.145	-0.167
584146	2/16/2009 0:00	-0.166	-0.168
584147	2/17/2009 0:00	-0.138	-0.168
584148	2/18/2009 0:00	-0.163	-0.168
584149	2/19/2009 0:00	-0.159	-0.168
584150	2/20/2009 0:00	-0.176	-0.168
584151	2/21/2009 0:00	-0.175	-0.167
584152	2/22/2009 0:00	-0.197	-0.167
584153	2/23/2009 0:00	-0.176	-0.167
584154	2/24/2009 0:00	-0.174	-0.167
584155	2/25/2009 0:00	-0.158	-0.167
584156	2/26/2009 0:00	-0.181	-0.167
584157	2/27/2009 0:00	-0.168	-0.167
584158	2/28/2009 0:00	-0.177	-0.166
584159	3/1/2009 0:00	-0.167	-0.167



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584160	3/2/2009 0:00	-0.186	-0.167
584161	3/3/2009 0:00	-0.168	-0.167
584162	3/4/2009 0:00	-0.151	-0.168
584163	3/5/2009 0:00	-0.171	-0.168
584164	3/6/2009 0:00	-0.165	-0.168
584165	3/7/2009 0:00	-0.166	-0.168
584166	3/8/2009 0:00	-0.162	-0.167
584167	3/9/2009 0:00	-0.162	-0.167
584168	3/10/2009 0:00	-0.151	-0.166
584169	3/11/2009 0:00	-0.162	-0.166
584170	3/12/2009 0:00	-0.17	-0.166
584171	3/13/2009 0:00	-0.172	-0.166
584172	3/14/2009 0:00	-0.161	-0.165
584173	3/15/2009 0:00	-0.156	-0.165
584174	3/16/2009 0:00	-0.181	-0.165
584175	3/17/2009 0:00	-0.162	-0.164
584176	3/18/2009 0:00	-0.161	-0.163
584177	3/19/2009 0:00	-0.18	-0.163
584178	3/20/2009 0:00	-0.162	-0.163
584179	3/21/2009 0:00	-0.164	-0.163
584180	3/22/2009 0:00	-0.144	-0.163
584181	3/23/2009 0:00	-0.154	-0.164
584182	3/24/2009 0:00	-0.156	-0.166
584183	3/25/2009 0:00	-0.169	-0.166
584184	3/26/2009 0:00	-0.19	-0.167
584185	3/27/2009 0:00	-0.155	-0.166
584186	3/28/2009 0:00	-0.166	-0.167
584187	3/29/2009 0:00	-0.166	-0.167
584188	3/30/2009 0:00	-0.168	-0.167
584189	3/31/2009 0:00	-0.167	-0.167
584190	4/1/2009 0:00	-0.143	-0.167
584191	4/2/2009 0:00	-0.159	-0.168
584192	4/3/2009 0:00	-0.143	-0.168
584193	4/4/2009 0:00	-0.163	-0.168
584194	4/5/2009 0:00	-0.181	-0.169
584195	4/6/2009 0:00	-0.172	-0.168
584196	4/7/2009 0:00	-0.198	-0.169
584197	4/8/2009 0:00	-0.197	-0.169
584198	4/9/2009 0:00	-0.183	-0.17
584199	4/10/2009 0:00	-0.168	-0.17
584200	4/11/2009 0:00	-0.15	-0.17
584201	4/12/2009 0:00	-0.187	-0.17
584202	4/13/2009 0:00	-0.176	-0.169
584203	4/14/2009 0:00	-0.171	-0.169
584204	4/15/2009 0:00	-0.154	-0.17
584205	4/16/2009 0:00	-0.182	-0.17
584206	4/17/2009 0:00	-0.186	-0.17
584207	4/18/2009 0:00	-0.166	-0.171
584208	4/19/2009 0:00	-0.166	-0.169
584209	4/20/2009 0:00	-0.188	-0.169
584210	4/21/2009 0:00	-0.152	-0.169
584211	4/22/2009 0:00	-0.171	-0.169
584212	4/23/2009 0:00	-0.158	-0.168
584213	4/24/2009 0:00	-0.169	-0.167
584214	4/25/2009 0:00	-0.176	-0.166
584215	4/26/2009 0:00	-0.173	-0.165
584216	4/27/2009 0:00	-0.178	-0.166
584217	4/28/2009 0:00	-0.141	-0.164
584218	4/29/2009 0:00	-0.155	-0.163
584219	4/30/2009 0:00	-0.184	-0.162
584220	5/1/2009 0:00	-0.182	-0.163
584221	5/2/2009 0:00	-0.147	-0.162
584222	5/3/2009 0:00	-0.171	-0.162
584223	5/4/2009 0:00	-0.108	-0.162
584224	5/5/2009 0:00	-0.136	-0.163
584225	5/6/2009 0:00	-0.188	-0.162
584226	5/7/2009 0:00	-0.178	-0.162
584227	5/8/2009 0:00	-0.155	-0.162
584228	5/9/2009 0:00	-0.171	-0.162
584229	5/10/2009 0:00	-0.161	-0.161
584230	5/11/2009 0:00	-0.132	-0.16
584231	5/12/2009 0:00	-0.17	-0.16
584232	5/13/2009 0:00	-0.138	-0.159
584233	5/14/2009 0:00	-0.135	-0.16

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584234	5/15/2009 0:00	-0.153	-0.159
584235	5/16/2009 0:00	-0.166	-0.158
584236	5/17/2009 0:00	-0.17	-0.158
584237	5/18/2009 0:00	-0.18	-0.159
584238	5/19/2009 0:00	-0.181	-0.158
584239	5/20/2009 0:00	-0.173	-0.16
584240	5/21/2009 0:00	-0.162	-0.16
584241	5/22/2009 0:00	-0.163	-0.158
584242	5/23/2009 0:00	-0.173	-0.157
584243	5/24/2009 0:00	-0.152	-0.158
584244	5/25/2009 0:00	-0.148	-0.157
584245	5/26/2009 0:00	-0.146	-0.157
584246	5/27/2009 0:00	-0.153	-0.157
584247	5/28/2009 0:00	-0.151	-0.157
584248	5/29/2009 0:00	-0.162	-0.158
584249	5/30/2009 0:00	-0.13	-0.159
584250	5/31/2009 0:00	-0.176	-0.159
584251	6/1/2009 0:00	-0.175	-0.158
584252	6/2/2009 0:00	-0.164	-0.157
584253	6/3/2009 0:00	-0.158	-0.156
584254	6/4/2009 0:00	-0.144	-0.156
584255	6/5/2009 0:00	-0.142	-0.155
584256	6/6/2009 0:00	-0.141	-0.154
584257	6/7/2009 0:00	-0.155	-0.154
584258	6/8/2009 0:00	-0.158	-0.153
584259	6/9/2009 0:00	-0.151	-0.152
584260	6/10/2009 0:00	-0.155	-0.151
584261	6/11/2009 0:00	-0.152	-0.152
584262	6/12/2009 0:00	-0.154	-0.153
584263	6/13/2009 0:00	-0.168	-0.153
584264	6/14/2009 0:00	-0.165	-0.152
584265	6/15/2009 0:00	-0.151	-0.153
584266	6/16/2009 0:00	-0.136	-0.152
584267	6/17/2009 0:00	-0.152	-0.152
584268	6/18/2009 0:00	-0.151	-0.152
584269	6/19/2009 0:00	-0.165	-0.152
584270	6/20/2009 0:00	-0.156	-0.152
584271	6/21/2009 0:00	-0.138	-0.153
584272	6/22/2009 0:00	-0.141	-0.153
584273	6/23/2009 0:00	-0.145	-0.153
584274	6/24/2009 0:00	-0.117	-0.154
584275	6/25/2009 0:00	-0.143	-0.155
584276	6/26/2009 0:00	-0.165	-0.155
584277	6/27/2009 0:00	-0.178	-0.156
584278	6/28/2009 0:00	-0.158	-0.157
584279	6/29/2009 0:00	-0.13	-0.156
584280	6/30/2009 0:00	-0.162	-0.156
584281	7/1/2009 0:00	-0.153	-0.156
584282	7/2/2009 0:00	-0.17	-0.157
584283	7/3/2009 0:00	-0.155	-0.158
584284	7/4/2009 0:00	-0.16	-0.158
584285	7/5/2009 0:00	-0.148	-0.158
584286	7/6/2009 0:00	-0.16	-0.159
584287	7/7/2009 0:00	-0.167	-0.159
584288	7/8/2009 0:00	-0.154	-0.16
584289	7/9/2009 0:00	-0.186	-0.161
584290	7/10/2009 0:00	-0.158	-0.162
584291	7/11/2009 0:00	-0.181	-0.164
584292	7/12/2009 0:00	-0.182	-0.165
584293	7/13/2009 0:00	-0.167	-0.164
584294	7/14/2009 0:00	-0.15	-0.165
584295	7/15/2009 0:00	-0.166	-0.166
584296	7/16/2009 0:00	-0.156	-0.166
584297	7/17/2009 0:00	-0.154	-0.167
584298	7/18/2009 0:00	-0.169	-0.167
584299	7/19/2009 0:00	-0.172	-0.168
584300	7/20/2009 0:00	-0.171	-0.168
584301	7/21/2009 0:00	-0.167	-0.17
584302	7/22/2009 0:00	-0.151	-0.171
584303	7/23/2009 0:00	-0.162	-0.172
584304	7/24/2009 0:00	-0.165	-0.173
584305	7/25/2009 0:00	-0.177	-0.173
584306	7/26/2009 0:00	-0.198	-0.174
584307	7/27/2009 0:00	-0.173	-0.173

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584308	7/28/2009 0:00	-0.162	-0.173
584309	7/29/2009 0:00	-0.176	-0.173
584310	7/30/2009 0:00	-0.165	-0.174
584311	7/31/2009 0:00	-0.174	-0.175
584312	8/1/2009 0:00	-0.165	-0.175
584313	8/2/2009 0:00	-0.18	-0.175
584314	8/3/2009 0:00	-0.177	-0.176
584315	8/4/2009 0:00	-0.185	-0.176
584316	8/5/2009 0:00	-0.193	-0.177
584317	8/6/2009 0:00	-0.184	-0.177
584318	8/7/2009 0:00	-0.203	-0.178
584319	8/8/2009 0:00	-0.189	-0.179
584320	8/9/2009 0:00	-0.188	-0.18
584321	8/10/2009 0:00	-0.188	-0.18
584322	8/11/2009 0:00	-0.157	-0.179
584323	8/12/2009 0:00	-0.183	-0.179
584324	8/13/2009 0:00	-0.176	-0.18
584325	8/14/2009 0:00	-0.18	-0.18
584326	8/15/2009 0:00	-0.173	-0.18
584327	8/16/2009 0:00	-0.174	-0.181
584328	8/17/2009 0:00	-0.161	-0.181
584329	8/18/2009 0:00	-0.179	-0.181
584330	8/19/2009 0:00	-0.181	-0.18
584331	8/20/2009 0:00	-0.189	-0.18
584332	8/21/2009 0:00	-0.192	-0.18
584333	8/22/2009 0:00	-0.177	-0.179
584334	8/23/2009 0:00	-0.188	-0.178
584335	8/24/2009 0:00	-0.184	-0.177
584336	8/25/2009 0:00	-0.173	-0.177
584337	8/26/2009 0:00	-0.188	-0.177
584338	8/27/2009 0:00	-0.179	-0.178
584339	8/28/2009 0:00	-0.183	-0.178
584340	8/29/2009 0:00	-0.169	-0.178
584341	8/30/2009 0:00	-0.173	-0.178
584342	8/31/2009 0:00	-0.194	-0.178
584343	9/1/2009 0:00	-0.162	-0.179
584344	9/2/2009 0:00	-0.175	-0.179
584345	9/3/2009 0:00	-0.175	-0.178
584346	9/4/2009 0:00	-0.175	-0.178
584347	9/5/2009 0:00	-0.178	-0.178
584348	9/6/2009 0:00	-0.173	-0.178
584349	9/7/2009 0:00	-0.17	-0.178
584350	9/8/2009 0:00	-0.152	-0.179
584351	9/9/2009 0:00	-0.184	-0.179
584352	9/10/2009 0:00	-0.189	-0.179
584353	9/11/2009 0:00	-0.184	-0.178
584354	9/12/2009 0:00	-0.184	-0.178
584355	9/13/2009 0:00	-0.177	-0.177
584356	9/14/2009 0:00	-0.184	-0.177
584357	9/15/2009 0:00	-0.182	-0.177
584358	9/16/2009 0:00	-0.181	-0.176
584359	9/17/2009 0:00	-0.181	-0.178
584360	9/18/2009 0:00	-0.156	-0.178
584361	9/19/2009 0:00	-0.168	-0.179
584362	9/20/2009 0:00	-0.188	-0.18
584363	9/21/2009 0:00	-0.181	-0.18
584364	9/22/2009 0:00	-0.192	-0.18
584365	9/23/2009 0:00	-0.213	-0.18
584366	9/24/2009 0:00	-0.177	-0.182
584367	9/25/2009 0:00	-0.168	-0.182
584368	9/26/2009 0:00	-0.174	-0.181
584369	9/27/2009 0:00	-0.166	-0.181
584370	9/28/2009 0:00	-0.146	-0.181
584371	9/29/2009 0:00	-0.178	-0.181
584372	9/30/2009 0:00	-0.185	-0.18
584373	10/1/2009 0:00	-0.17	-0.181
584374	10/2/2009 0:00	-0.206	-0.181
584375	10/3/2009 0:00	-0.189	-0.181
584376	10/4/2009 0:00	-0.185	-0.182
584377	10/5/2009 0:00	-0.202	-0.182
584378	10/6/2009 0:00	-0.18	-0.182
584379	10/7/2009 0:00	-0.189	-0.181
584380	10/8/2009 0:00	-0.18	-0.181
584381	10/9/2009 0:00	-0.207	-0.179

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584382	10/10/2009 0:00	-0.179	-0.178
584383	10/11/2009 0:00	-0.17	-0.178
584384	10/12/2009 0:00	-0.179	-0.177
584385	10/13/2009 0:00	-0.183	-0.177
584386	10/14/2009 0:00	-0.171	-0.177
584387	10/15/2009 0:00	-0.16	-0.177
584388	10/16/2009 0:00	-0.205	-0.177
584389	10/17/2009 0:00	-0.18	-0.176
584390	10/18/2009 0:00	-0.188	-0.175
584391	10/19/2009 0:00	-0.183	-0.175
584392	10/20/2009 0:00	-0.18	-0.174
584393	10/21/2009 0:00	-0.172	-0.174
584394	10/22/2009 0:00	-0.147	-0.173
584395	10/23/2009 0:00	-0.192	-0.173
584396	10/24/2009 0:00	-0.156	-0.173
584397	10/25/2009 0:00	-0.153	-0.172
584398	10/26/2009 0:00	-0.162	-0.172
584399	10/27/2009 0:00	-0.157	-0.172
584400	10/28/2009 0:00	-0.141	-0.17
584401	10/29/2009 0:00	-0.148	-0.17
584402	10/30/2009 0:00	-0.187	-0.17
584403	10/31/2009 0:00	-0.18	-0.171
584404	11/1/2009 0:00	-0.158	-0.17
584405	11/2/2009 0:00	-0.172	-0.17
584406	11/3/2009 0:00	-0.169	-0.168
584407	11/4/2009 0:00	-0.179	-0.168
584408	11/5/2009 0:00	-0.177	-0.168
584409	11/6/2009 0:00	-0.166	-0.167
584410	11/7/2009 0:00	-0.175	-0.168
584411	11/8/2009 0:00	-0.178	-0.167
584412	11/9/2009 0:00	-0.173	-0.169
584413	11/10/2009 0:00	-0.177	-0.17
584414	11/11/2009 0:00	-0.171	-0.17
584415	11/12/2009 0:00	-0.139	-0.171
584416	11/13/2009 0:00	-0.168	-0.173
584417	11/14/2009 0:00	-0.175	-0.173
584418	11/15/2009 0:00	-0.192	-0.173
584419	11/16/2009 0:00	-0.177	-0.173
584420	11/17/2009 0:00	-0.165	-0.174
584421	11/18/2009 0:00	-0.148	-0.173
584422	11/19/2009 0:00	-0.179	-0.174
584423	11/20/2009 0:00	-0.165	-0.173
584424	11/21/2009 0:00	-0.152	-0.173
584425	11/22/2009 0:00	-0.174	-0.172
584426	11/23/2009 0:00	-0.174	-0.172
584427	11/24/2009 0:00	-0.204	-0.171
584428	11/25/2009 0:00	-0.189	-0.171
584429	11/26/2009 0:00	-0.176	-0.17
584430	11/27/2009 0:00	-0.187	-0.17
584431	11/28/2009 0:00	-0.174	-0.172
584432	11/29/2009 0:00	-0.176	-0.172
584433	11/30/2009 0:00	-0.174	-0.173
584434	12/1/2009 0:00	-0.181	-0.174
584435	12/2/2009 0:00	-0.175	-0.174
584436	12/3/2009 0:00	-0.164	-0.174
584437	12/4/2009 0:00	-0.178	-0.175
584438	12/5/2009 0:00	-0.166	-0.176
584439	12/6/2009 0:00	-0.166	-0.178
584440	12/7/2009 0:00	-0.152	-0.177
584441	12/8/2009 0:00	-0.16	-0.178
584442	12/9/2009 0:00	-0.156	-0.179
584443	12/10/2009 0:00	-0.157	-0.178
584444	12/11/2009 0:00	-0.143	-0.178
584445	12/12/2009 0:00	-0.195	-0.179
584446	12/13/2009 0:00	-0.199	-0.18
584447	12/14/2009 0:00	-0.174	-0.18
584448	12/15/2009 0:00	-0.2	-0.181
584449	12/16/2009 0:00	-0.212	-0.183
584450	12/17/2009 0:00	-0.17	-0.185
584451	12/18/2009 0:00	-0.175	-0.185
584452	12/19/2009 0:00	-0.194	-0.186
584453	12/20/2009 0:00	-0.193	-0.187
584454	12/21/2009 0:00	-0.216	-0.188
584455	12/22/2009 0:00	-0.131	-0.189

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584456	12/23/2009 0:00	-0.192	-0.191
584457	12/24/2009 0:00	-0.209	-0.192
584458	12/25/2009 0:00	-0.18	-0.194
584459	12/26/2009 0:00	-0.2	-0.195
584460	12/27/2009 0:00	-0.199	-0.197
584461	12/28/2009 0:00	-0.206	-0.198
584462	12/29/2009 0:00	-0.201	-0.196
584463	12/30/2009 0:00	-0.208	-0.197
584464	12/31/2009 0:00	-0.217	-0.197
584465	1/1/2010 0:00	-0.242	-0.196
584466	1/2/2010 0:00	-0.188	-0.196
584467	1/3/2010 0:00	-0.202	-0.196
584468	1/4/2010 0:00	-0.193	-0.194
584469	1/5/2010 0:00	-0.19	-0.193
584470	1/6/2010 0:00	-0.206	-0.191
584471	1/7/2010 0:00	-0.209	-0.192
584472	1/8/2010 0:00	-0.189	-0.192
584473	1/9/2010 0:00	-0.218	-0.192
584474	1/10/2010 0:00	-0.198	-0.193
584475	1/11/2010 0:00	-0.213	-0.193
584476	1/12/2010 0:00	-0.206	-0.193
584477	1/13/2010 0:00	-0.162	-0.193
584478	1/14/2010 0:00	-0.178	-0.193
584479	1/15/2010 0:00	-0.204	-0.193
584480	1/16/2010 0:00	-0.194	-0.192
584481	1/17/2010 0:00	-0.178	-0.19
584482	1/18/2010 0:00	-0.16	-0.189
584483	1/19/2010 0:00	-0.131	-0.188
584484	1/20/2010 0:00	-0.163	-0.187
584485	1/21/2010 0:00	-0.164	-0.186
584486	1/22/2010 0:00	-0.159	-0.185
584487	1/23/2010 0:00	-0.197	-0.184
584488	1/24/2010 0:00	-0.208	-0.183
584489	1/25/2010 0:00	-0.193	-0.181
584490	1/26/2010 0:00	-0.196	-0.18
584491	1/27/2010 0:00	-0.2	-0.179
584492	1/28/2010 0:00	-0.214	-0.178
584493	1/29/2010 0:00	-0.199	-0.178
584494	1/30/2010 0:00	-0.205	-0.179
584495	1/31/2010 0:00	-0.189	-0.178
584496	2/1/2010 0:00	-0.184	-0.177
584497	2/2/2010 0:00	-0.154	-0.177
584498	2/3/2010 0:00	-0.17	-0.177
584499	2/4/2010 0:00	-0.16	-0.18
584500	2/5/2010 0:00	-0.168	-0.18
584501	2/6/2010 0:00	-0.182	-0.18
584502	2/7/2010 0:00	-0.156	-0.18
584503	2/8/2010 0:00	-0.176	-0.179
584504	2/9/2010 0:00	-0.139	-0.178
584505	2/10/2010 0:00	-0.177	-0.177
584506	2/11/2010 0:00	-0.188	-0.176
584507	2/12/2010 0:00	-0.161	-0.176
584508	2/13/2010 0:00	-0.182	-0.174
584509	2/14/2010 0:00	-0.185	-0.174
584510	2/15/2010 0:00	-0.178	-0.174
584511	2/16/2010 0:00	-0.167	-0.173
584512	2/17/2010 0:00	-0.177	-0.172
584513	2/18/2010 0:00	-0.172	-0.172
584514	2/19/2010 0:00	-0.21	-0.172
584515	2/20/2010 0:00	-0.184	-0.172
584516	2/21/2010 0:00	-0.148	-0.172
584517	2/22/2010 0:00	-0.156	-0.173
584518	2/23/2010 0:00	-0.177	-0.174
584519	2/24/2010 0:00	-0.165	-0.173
584520	2/25/2010 0:00	-0.16	-0.174
584521	2/26/2010 0:00	-0.188	-0.173
584522	2/27/2010 0:00	-0.183	-0.172
584523	2/28/2010 0:00	-0.168	-0.172
584524	3/1/2010 0:00	-0.18	-0.171
584525	3/2/2010 0:00	-0.198	-0.172
584526	3/3/2010 0:00	-0.169	-0.171
584527	3/4/2010 0:00	-0.155	-0.17
584528	3/5/2010 0:00	-0.152	-0.17
584529	3/6/2010 0:00	-0.172	-0.17

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584530	3/7/2010 0:00	-0.171	-0.169
584531	3/8/2010 0:00	-0.16	-0.169
584532	3/9/2010 0:00	-0.206	-0.17
584533	3/10/2010 0:00	-0.187	-0.169
584534	3/11/2010 0:00	-0.156	-0.169
584535	3/12/2010 0:00	-0.155	-0.168
584536	3/13/2010 0:00	-0.154	-0.168
584537	3/14/2010 0:00	-0.148	-0.167
584538	3/15/2010 0:00	-0.173	-0.166
584539	3/16/2010 0:00	-0.158	-0.166
584540	3/17/2010 0:00	-0.195	-0.165
584541	3/18/2010 0:00	-0.156	-0.164
584542	3/19/2010 0:00	-0.151	-0.163
584543	3/20/2010 0:00	-0.172	-0.162
584544	3/21/2010 0:00	-0.174	-0.162
584545	3/22/2010 0:00	-0.176	-0.162
584546	3/23/2010 0:00	-0.173	-0.162
584547	3/24/2010 0:00	-0.176	-0.162
584548	3/25/2010 0:00	-0.137	-0.161
584549	3/26/2010 0:00	-0.158	-0.16
584550	3/27/2010 0:00	-0.137	-0.161
584551	3/28/2010 0:00	-0.174	-0.161
584552	3/29/2010 0:00	-0.157	-0.162
584553	3/30/2010 0:00	-0.138	-0.163
584554	3/31/2010 0:00	-0.163	-0.163
584555	4/1/2010 0:00	-0.15	-0.164
584556	4/2/2010 0:00	-0.185	-0.162
584557	4/3/2010 0:00	-0.141	-0.163
584558	4/4/2010 0:00	-0.13	-0.164
584559	4/5/2010 0:00	-0.151	-0.164
584560	4/6/2010 0:00	-0.161	-0.164
584561	4/7/2010 0:00	-0.161	-0.162
584562	4/8/2010 0:00	-0.158	-0.162
584563	4/9/2010 0:00	-0.185	-0.162
584564	4/10/2010 0:00	-0.15	-0.163
584565	4/11/2010 0:00	-0.19	-0.164
584566	4/12/2010 0:00	-0.169	-0.165
584567	4/13/2010 0:00	-0.169	-0.164
584568	4/14/2010 0:00	-0.18	-0.165
584569	4/15/2010 0:00	-0.175	-0.164
584570	4/16/2010 0:00	-0.177	-0.165
584571	4/17/2010 0:00	-0.158	-0.165
584572	4/18/2010 0:00	-0.178	-0.165
584573	4/19/2010 0:00	-0.187	-0.166
584574	4/20/2010 0:00	-0.172	-0.166
584575	4/21/2010 0:00	-0.156	-0.166
584576	4/22/2010 0:00	-0.136	-0.165
584577	4/23/2010 0:00	-0.177	-0.165
584578	4/24/2010 0:00	-0.161	-0.165
584579	4/25/2010 0:00	-0.177	-0.163
584580	4/26/2010 0:00	-0.18	-0.162
584581	4/27/2010 0:00	-0.185	-0.161
584582	4/28/2010 0:00	-0.135	-0.16
584583	4/29/2010 0:00	-0.173	-0.16
584584	4/30/2010 0:00	-0.128	-0.158
584585	5/1/2010 0:00	-0.171	-0.157
584586	5/2/2010 0:00	-0.153	-0.156
584587	5/3/2010 0:00	-0.178	-0.156
584588	5/4/2010 0:00	-0.174	-0.155
584589	5/5/2010 0:00	-0.156	-0.154
584590	5/6/2010 0:00	-0.144	-0.154
584591	5/7/2010 0:00	-0.136	-0.152
584592	5/8/2010 0:00	-0.152	-0.152
584593	5/9/2010 0:00	-0.151	-0.152
584594	5/10/2010 0:00	-0.13	-0.152
584595	5/11/2010 0:00	-0.128	-0.151
584596	5/12/2010 0:00	-0.139	-0.149
584597	5/13/2010 0:00	-0.147	-0.148
584598	5/14/2010 0:00	-0.153	-0.149
584599	5/15/2010 0:00	-0.119	-0.149
584600	5/16/2010 0:00	-0.147	-0.15
584601	5/17/2010 0:00	-0.163	-0.148
584602	5/18/2010 0:00	-0.154	-0.149
584603	5/19/2010 0:00	-0.153	-0.148

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584604	5/20/2010 0:00	-0.149	-0.147
584605	5/21/2010 0:00	-0.166	-0.147
584606	5/22/2010 0:00	-0.112	-0.148
584607	5/23/2010 0:00	-0.13	-0.149
584608	5/24/2010 0:00	-0.176	-0.149
584609	5/25/2010 0:00	-0.162	-0.148
584610	5/26/2010 0:00	-0.151	-0.147
584611	5/27/2010 0:00	-0.112	-0.147
584612	5/28/2010 0:00	-0.158	-0.147
584613	5/29/2010 0:00	-0.155	-0.148
584614	5/30/2010 0:00	-0.18	-0.148
584615	5/31/2010 0:00	-0.143	-0.148
584616	6/1/2010 0:00	-0.134	-0.148
584617	6/2/2010 0:00	-0.164	-0.147
584618	6/3/2010 0:00	-0.149	-0.147
584619	6/4/2010 0:00	-0.14	-0.147
584620	6/5/2010 0:00	-0.171	-0.147
584621	6/6/2010 0:00	-0.177	-0.147
584622	6/7/2010 0:00	-0.157	-0.148
584623	6/8/2010 0:00	-0.139	-0.15
584624	6/9/2010 0:00	-0.14	-0.149
584625	6/10/2010 0:00	-0.088	-0.148
584626	6/11/2010 0:00	-0.129	-0.147
584627	6/12/2010 0:00	-0.15	-0.148
584628	6/13/2010 0:00	-0.166	-0.148
584629	6/14/2010 0:00	-0.155	-0.147
584630	6/15/2010 0:00	-0.119	-0.145
584631	6/16/2010 0:00	-0.138	-0.145
584632	6/17/2010 0:00	-0.145	-0.145
584633	6/18/2010 0:00	-0.153	-0.145
584634	6/19/2010 0:00	-0.158	-0.145
584635	6/20/2010 0:00	-0.149	-0.144
584636	6/21/2010 0:00	-0.162	-0.142
584637	6/22/2010 0:00	-0.146	-0.141
584638	6/23/2010 0:00	-0.171	-0.141
584639	6/24/2010 0:00	-0.158	-0.141
584640	6/25/2010 0:00	-0.148	-0.141
584641	6/26/2010 0:00	-0.118	-0.142
584642	6/27/2010 0:00	-0.134	-0.142
584643	6/28/2010 0:00	-0.152	-0.142
584644	6/29/2010 0:00	-0.132	-0.141
584645	6/30/2010 0:00	-0.113	-0.142
584646	7/1/2010 0:00	-0.128	-0.142
584647	7/2/2010 0:00	-0.151	-0.142
584648	7/3/2010 0:00	-0.145	-0.143
584649	7/4/2010 0:00	-0.154	-0.144
584650	7/5/2010 0:00	-0.111	-0.143
584651	7/6/2010 0:00	-0.129	-0.144
584652	7/7/2010 0:00	-0.127	-0.144
584653	7/8/2010 0:00	-0.171	-0.144
584654	7/9/2010 0:00	-0.13	-0.144
584655	7/10/2010 0:00	-0.129	-0.145
584656	7/11/2010 0:00	-0.132	-0.145
584657	7/12/2010 0:00	-0.12	-0.147
584658	7/13/2010 0:00	-0.159	-0.148
584659	7/14/2010 0:00	-0.143	-0.149
584660	7/15/2010 0:00	-0.161	-0.15
584661	7/16/2010 0:00	-0.128	-0.151
584662	7/17/2010 0:00	-0.153	-0.151
584663	7/18/2010 0:00	-0.183	-0.152
584664	7/19/2010 0:00	-0.167	-0.154
584665	7/20/2010 0:00	-0.138	-0.154
584666	7/21/2010 0:00	-0.167	-0.157
584667	7/22/2010 0:00	-0.162	-0.158
584668	7/23/2010 0:00	-0.16	-0.159
584669	7/24/2010 0:00	-0.173	-0.158
584670	7/25/2010 0:00	-0.169	-0.159
584671	7/26/2010 0:00	-0.167	-0.16
584672	7/27/2010 0:00	-0.156	-0.161
584673	7/28/2010 0:00	-0.174	-0.163
584674	7/29/2010 0:00	-0.174	-0.163
584675	7/30/2010 0:00	-0.179	-0.164
584676	7/31/2010 0:00	-0.147	-0.163
584677	8/1/2010 0:00	-0.138	-0.165

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584678	8/2/2010 0:00	-0.174	-0.165
584679	8/3/2010 0:00	-0.197	-0.165
584680	8/4/2010 0:00	-0.165	-0.164
584681	8/5/2010 0:00	-0.188	-0.164
584682	8/6/2010 0:00	-0.155	-0.163
584683	8/7/2010 0:00	-0.164	-0.163
584684	8/8/2010 0:00	-0.148	-0.163
584685	8/9/2010 0:00	-0.151	-0.164
584686	8/10/2010 0:00	-0.159	-0.163
584687	8/11/2010 0:00	-0.166	-0.163
584688	8/12/2010 0:00	-0.185	-0.164
584689	8/13/2010 0:00	-0.167	-0.163
584690	8/14/2010 0:00	-0.165	-0.162
584691	8/15/2010 0:00	-0.147	-0.161
584692	8/16/2010 0:00	-0.177	-0.16
584693	8/17/2010 0:00	-0.163	-0.161
584694	8/18/2010 0:00	-0.165	-0.16
584695	8/19/2010 0:00	-0.147	-0.16
584696	8/20/2010 0:00	-0.13	-0.16
584697	8/21/2010 0:00	-0.143	-0.16
584698	8/22/2010 0:00	-0.145	-0.16
584699	8/23/2010 0:00	-0.185	-0.16
584700	8/24/2010 0:00	-0.188	-0.161
584701	8/25/2010 0:00	-0.145	-0.161
584702	8/26/2010 0:00	-0.18	-0.162
584703	8/27/2010 0:00	-0.166	-0.163
584704	8/28/2010 0:00	-0.148	-0.163
584705	8/29/2010 0:00	-0.157	-0.164
584706	8/30/2010 0:00	-0.132	-0.164
584707	8/31/2010 0:00	-0.126	-0.165
584708	9/1/2010 0:00	-0.152	-0.166
584709	9/2/2010 0:00	-0.168	-0.166
584710	9/3/2010 0:00	-0.189	-0.167
584711	9/4/2010 0:00	-0.17	-0.168
584712	9/5/2010 0:00	-0.166	-0.169
584713	9/6/2010 0:00	-0.162	-0.169
584714	9/7/2010 0:00	-0.159	-0.171
584715	9/8/2010 0:00	-0.179	-0.17
584716	9/9/2010 0:00	-0.167	-0.171
584717	9/10/2010 0:00	-0.182	-0.172
584718	9/11/2010 0:00	-0.199	-0.172
584719	9/12/2010 0:00	-0.195	-0.172
584720	9/13/2010 0:00	-0.175	-0.173
584721	9/14/2010 0:00	-0.185	-0.174
584722	9/15/2010 0:00	-0.177	-0.176
584723	9/16/2010 0:00	-0.188	-0.178
584724	9/17/2010 0:00	-0.173	-0.179
584725	9/18/2010 0:00	-0.195	-0.181
584726	9/19/2010 0:00	-0.175	-0.182
584727	9/20/2010 0:00	-0.156	-0.183
584728	9/21/2010 0:00	-0.158	-0.185
584729	9/22/2010 0:00	-0.21	-0.188
584730	9/23/2010 0:00	-0.152	-0.19
584731	9/24/2010 0:00	-0.201	-0.191
584732	9/25/2010 0:00	-0.187	-0.192
584733	9/26/2010 0:00	-0.187	-0.193
584734	9/27/2010 0:00	-0.176	-0.192
584735	9/28/2010 0:00	-0.171	-0.192
584736	9/29/2010 0:00	-0.185	-0.194
584737	9/30/2010 0:00	-0.191	-0.194
584738	10/1/2010 0:00	-0.18	-0.195
584739	10/2/2010 0:00	-0.203	-0.195
584740	10/3/2010 0:00	-0.232	-0.196
584741	10/4/2010 0:00	-0.195	-0.197
584742	10/5/2010 0:00	-0.22	-0.197
584743	10/6/2010 0:00	-0.233	-0.198
584744	10/7/2010 0:00	-0.23	-0.2
584745	10/8/2010 0:00	-0.22	-0.199
584746	10/9/2010 0:00	-0.211	-0.2
584747	10/10/2010 0:00	-0.2	-0.199
584748	10/11/2010 0:00	-0.207	-0.198
584749	10/12/2010 0:00	-0.195	-0.199
584750	10/13/2010 0:00	-0.188	-0.2
584751	10/14/2010 0:00	-0.222	-0.202



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584752	10/15/2010 0:00	-0.21	-0.203
584753	10/16/2010 0:00	-0.199	-0.205
584754	10/17/2010 0:00	-0.177	-0.206
584755	10/18/2010 0:00	-0.201	-0.207
584756	10/19/2010 0:00	-0.222	-0.207
584757	10/20/2010 0:00	-0.184	-0.208
584758	10/21/2010 0:00	-0.205	-0.208
584759	10/22/2010 0:00	-0.203	-0.207
584760	10/23/2010 0:00	-0.174	-0.206
584761	10/24/2010 0:00	-0.191	-0.206
584762	10/25/2010 0:00	-0.176	-0.205
584763	10/26/2010 0:00	-0.16	-0.206
584764	10/27/2010 0:00	-0.196	-0.205
584765	10/28/2010 0:00	-0.223	-0.206
584766	10/29/2010 0:00	-0.227	-0.208
584767	10/30/2010 0:00	-0.226	-0.208
584768	10/31/2010 0:00	-0.24	-0.208
584769	11/1/2010 0:00	-0.207	-0.208
584770	11/2/2010 0:00	-0.251	-0.209
584771	11/3/2010 0:00	-0.227	-0.21
584772	11/4/2010 0:00	-0.21	-0.209
584773	11/5/2010 0:00	-0.222	-0.209
584774	11/6/2010 0:00	-0.212	-0.21
584775	11/7/2010 0:00	-0.209	-0.21
584776	11/8/2010 0:00	-0.205	-0.211
584777	11/9/2010 0:00	-0.199	-0.212
584778	11/10/2010 0:00	-0.212	-0.212
584779	11/11/2010 0:00	-0.193	-0.214
584780	11/12/2010 0:00	-0.215	-0.215
584781	11/13/2010 0:00	-0.237	-0.214
584782	11/14/2010 0:00	-0.224	-0.214
584783	11/15/2010 0:00	-0.208	-0.214
584784	11/16/2010 0:00	-0.205	-0.212
584785	11/17/2010 0:00	-0.208	-0.213
584786	11/18/2010 0:00	-0.243	-0.211
584787	11/19/2010 0:00	-0.193	-0.211
584788	11/20/2010 0:00	-0.177	-0.211
584789	11/21/2010 0:00	-0.227	-0.211
584790	11/22/2010 0:00	-0.199	-0.212
584791	11/23/2010 0:00	-0.215	-0.213
584792	11/24/2010 0:00	-0.213	-0.213
584793	11/25/2010 0:00	-0.193	-0.213
584794	11/26/2010 0:00	-0.21	-0.212
584795	11/27/2010 0:00	-0.231	-0.213
584796	11/28/2010 0:00	-0.212	-0.212
584797	11/29/2010 0:00	-0.214	-0.21
584798	11/30/2010 0:00	-0.212	-0.209
584799	12/1/2010 0:00	-0.199	-0.209
584800	12/2/2010 0:00	-0.223	-0.208
584801	12/3/2010 0:00	-0.203	-0.209
584802	12/4/2010 0:00	-0.217	-0.208
584803	12/5/2010 0:00	-0.224	-0.209
584804	12/6/2010 0:00	-0.223	-0.209
584805	12/7/2010 0:00	-0.243	-0.208
584806	12/8/2010 0:00	-0.224	-0.208
584807	12/9/2010 0:00	-0.198	-0.207
584808	12/10/2010 0:00	-0.205	-0.207
584809	12/11/2010 0:00	-0.199	-0.208
584810	12/12/2010 0:00	-0.212	-0.207
584811	12/13/2010 0:00	-0.185	-0.207
584812	12/14/2010 0:00	-0.178	-0.206
584813	12/15/2010 0:00	-0.183	-0.206
584814	12/16/2010 0:00	-0.217	-0.205
584815	12/17/2010 0:00	-0.18	-0.206
584816	12/18/2010 0:00	-0.229	-0.206
584817	12/19/2010 0:00	-0.222	-0.206
584818	12/20/2010 0:00	-0.206	-0.205
584819	12/21/2010 0:00	-0.2	-0.205
584820	12/22/2010 0:00	-0.182	-0.205
584821	12/23/2010 0:00	-0.196	-0.204
584822	12/24/2010 0:00	-0.178	-0.202
584823	12/25/2010 0:00	-0.222	-0.202
584824	12/26/2010 0:00	-0.213	-0.201
584825	12/27/2010 0:00	-0.189	-0.202

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584826	12/28/2010 0:00	-0.227	-0.202
584827	12/29/2010 0:00	-0.188	-0.202
584828	12/30/2010 0:00	-0.204	-0.202
584829	12/31/2010 0:00	-0.191	-0.203
584830	1/1/2011 0:00	-0.218	-0.202
584831	1/2/2011 0:00	-0.221	-0.203
584832	1/3/2011 0:00	-0.205	-0.201
584833	1/4/2011 0:00	-0.207	-0.2
584834	1/5/2011 0:00	-0.209	-0.2
584835	1/6/2011 0:00	-0.218	-0.199
584836	1/7/2011 0:00	-0.21	-0.199
584837	1/8/2011 0:00	-0.182	-0.2
584838	1/9/2011 0:00	-0.183	-0.2
584839	1/10/2011 0:00	-0.192	-0.2
584840	1/11/2011 0:00	-0.212	-0.2
584841	1/12/2011 0:00	-0.205	-0.202
584842	1/13/2011 0:00	-0.185	-0.201
584843	1/14/2011 0:00	-0.199	-0.202
584844	1/15/2011 0:00	-0.215	-0.203
584845	1/16/2011 0:00	-0.162	-0.204
584846	1/17/2011 0:00	-0.214	-0.205
584847	1/18/2011 0:00	-0.183	-0.206
584848	1/19/2011 0:00	-0.18	-0.208
584849	1/20/2011 0:00	-0.202	-0.208
584850	1/21/2011 0:00	-0.186	-0.208
584851	1/22/2011 0:00	-0.17	-0.208
584852	1/23/2011 0:00	-0.215	-0.209
584853	1/24/2011 0:00	-0.201	-0.209
584854	1/25/2011 0:00	-0.21	-0.21
584855	1/26/2011 0:00	-0.224	-0.21
584856	1/27/2011 0:00	-0.242	-0.209
584857	1/28/2011 0:00	-0.204	-0.209
584858	1/29/2011 0:00	-0.228	-0.209
584859	1/30/2011 0:00	-0.224	-0.21
584860	1/31/2011 0:00	-0.232	-0.21
584861	2/1/2011 0:00	-0.238	-0.212
584862	2/2/2011 0:00	-0.25	-0.211
584863	2/3/2011 0:00	-0.255	-0.211
584864	2/4/2011 0:00	-0.222	-0.212
584865	2/5/2011 0:00	-0.195	-0.212
584866	2/6/2011 0:00	-0.236	-0.212
584867	2/7/2011 0:00	-0.224	-0.212
584868	2/8/2011 0:00	-0.189	-0.21
584869	2/9/2011 0:00	-0.201	-0.21
584870	2/10/2011 0:00	-0.208	-0.21
584871	2/11/2011 0:00	-0.195	-0.209
584872	2/12/2011 0:00	-0.201	-0.206
584873	2/13/2011 0:00	-0.189	-0.206
584874	2/14/2011 0:00	-0.214	-0.206
584875	2/15/2011 0:00	-0.221	-0.205
584876	2/16/2011 0:00	-0.216	-0.203
584877	2/17/2011 0:00	-0.185	-0.202
584878	2/18/2011 0:00	-0.184	-0.202
584879	2/19/2011 0:00	-0.221	-0.201
584880	2/20/2011 0:00	-0.189	-0.199
584881	2/21/2011 0:00	-0.177	-0.199
584882	2/22/2011 0:00	-0.17	-0.199
584883	2/23/2011 0:00	-0.18	-0.198
584884	2/24/2011 0:00	-0.193	-0.198
584885	2/25/2011 0:00	-0.191	-0.198
584886	2/26/2011 0:00	-0.19	-0.198
584887	2/27/2011 0:00	-0.169	-0.197
584888	2/28/2011 0:00	-0.195	-0.197
584889	3/1/2011 0:00	-0.22	-0.197
584890	3/2/2011 0:00	-0.19	-0.195
584891	3/3/2011 0:00	-0.197	-0.195
584892	3/4/2011 0:00	-0.209	-0.194
584893	3/5/2011 0:00	-0.23	-0.194
584894	3/6/2011 0:00	-0.23	-0.193
584895	3/7/2011 0:00	-0.176	-0.191
584896	3/8/2011 0:00	-0.189	-0.193
584897	3/9/2011 0:00	-0.227	-0.193
584898	3/10/2011 0:00	-0.203	-0.194
584899	3/11/2011 0:00	-0.185	-0.194

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584900	3/12/2011 0:00	-0.194	-0.194
584901	3/13/2011 0:00	-0.201	-0.195
584902	3/14/2011 0:00	-0.181	-0.196
584903	3/15/2011 0:00	-0.191	-0.197
584904	3/16/2011 0:00	-0.181	-0.197
584905	3/17/2011 0:00	-0.17	-0.197
584906	3/18/2011 0:00	-0.199	-0.196
584907	3/19/2011 0:00	-0.193	-0.196
584908	3/20/2011 0:00	-0.184	-0.196
584909	3/21/2011 0:00	-0.163	-0.194
584910	3/22/2011 0:00	-0.167	-0.193
584911	3/23/2011 0:00	-0.232	-0.193
584912	3/24/2011 0:00	-0.199	-0.192
584913	3/25/2011 0:00	-0.196	-0.19
584914	3/26/2011 0:00	-0.178	-0.189
584915	3/27/2011 0:00	-0.201	-0.19
584916	3/28/2011 0:00	-0.214	-0.19
584917	3/29/2011 0:00	-0.207	-0.19
584918	3/30/2011 0:00	-0.203	-0.19
584919	3/31/2011 0:00	-0.196	-0.19
584920	4/1/2011 0:00	-0.212	-0.191
584921	4/2/2011 0:00	-0.178	-0.191
584922	4/3/2011 0:00	-0.197	-0.19
584923	4/4/2011 0:00	-0.191	-0.189
584924	4/5/2011 0:00	-0.179	-0.189
584925	4/6/2011 0:00	-0.188	-0.189
584926	4/7/2011 0:00	-0.175	-0.19
584927	4/8/2011 0:00	-0.162	-0.188
584928	4/9/2011 0:00	-0.157	-0.186
584929	4/10/2011 0:00	-0.2	-0.184
584930	4/11/2011 0:00	-0.2	-0.184
584931	4/12/2011 0:00	-0.189	-0.183
584932	4/13/2011 0:00	-0.194	-0.182
584933	4/14/2011 0:00	-0.193	-0.181
584934	4/15/2011 0:00	-0.198	-0.18
584935	4/16/2011 0:00	-0.193	-0.18
584936	4/17/2011 0:00	-0.171	-0.179
584937	4/18/2011 0:00	-0.187	-0.179
584938	4/19/2011 0:00	-0.163	-0.179
584939	4/20/2011 0:00	-0.17	-0.179
584940	4/21/2011 0:00	-0.179	-0.178
584941	4/22/2011 0:00	-0.189	-0.178
584942	4/23/2011 0:00	-0.157	-0.177
584943	4/24/2011 0:00	-0.137	-0.176
584944	4/25/2011 0:00	-0.15	-0.177
584945	4/26/2011 0:00	-0.185	-0.175
584946	4/27/2011 0:00	-0.17	-0.174
584947	4/28/2011 0:00	-0.178	-0.175
584948	4/29/2011 0:00	-0.183	-0.174
584949	4/30/2011 0:00	-0.156	-0.174
584950	5/1/2011 0:00	-0.197	-0.174
584951	5/2/2011 0:00	-0.19	-0.174
584952	5/3/2011 0:00	-0.184	-0.174
584953	5/4/2011 0:00	-0.189	-0.174
584954	5/5/2011 0:00	-0.181	-0.174
584955	5/6/2011 0:00	-0.154	-0.175
584956	5/7/2011 0:00	-0.177	-0.175
584957	5/8/2011 0:00	-0.15	-0.175
584958	5/9/2011 0:00	-0.144	-0.176
584959	5/10/2011 0:00	-0.165	-0.177
584960	5/11/2011 0:00	-0.153	-0.178
584961	5/12/2011 0:00	-0.173	-0.178
584962	5/13/2011 0:00	-0.203	-0.179
584963	5/14/2011 0:00	-0.167	-0.179
584964	5/15/2011 0:00	-0.19	-0.178
584965	5/16/2011 0:00	-0.197	-0.179
584966	5/17/2011 0:00	-0.189	-0.18
584967	5/18/2011 0:00	-0.19	-0.179
584968	5/19/2011 0:00	-0.173	-0.179
584969	5/20/2011 0:00	-0.173	-0.179
584970	5/21/2011 0:00	-0.192	-0.18
584971	5/22/2011 0:00	-0.193	-0.181
584972	5/23/2011 0:00	-0.172	-0.181
584973	5/24/2011 0:00	-0.188	-0.182

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
584974	5/25/2011 0:00	-0.184	-0.182
584975	5/26/2011 0:00	-0.189	-0.183
584976	5/27/2011 0:00	-0.187	-0.183
584977	5/28/2011 0:00	-0.185	-0.183
584978	5/29/2011 0:00	-0.169	-0.182
584979	5/30/2011 0:00	-0.167	-0.182
584980	5/31/2011 0:00	-0.196	-0.182
584981	6/1/2011 0:00	-0.213	-0.181
584982	6/2/2011 0:00	-0.177	-0.18
584983	6/3/2011 0:00	-0.183	-0.18
584984	6/4/2011 0:00	-0.17	-0.18
584985	6/5/2011 0:00	-0.221	-0.181
584986	6/6/2011 0:00	-0.173	-0.18
584987	6/7/2011 0:00	-0.198	-0.18
584988	6/8/2011 0:00	-0.168	-0.18
584989	6/9/2011 0:00	-0.156	-0.18
584990	6/10/2011 0:00	-0.175	-0.179
584991	6/11/2011 0:00	-0.155	-0.178
584992	6/12/2011 0:00	-0.193	-0.179
584993	6/13/2011 0:00	-0.153	-0.179
584994	6/14/2011 0:00	-0.172	-0.18
584995	6/15/2011 0:00	-0.181	-0.181
584996	6/16/2011 0:00	-0.182	-0.18
584997	6/17/2011 0:00	-0.162	-0.178
584998	6/18/2011 0:00	-0.192	-0.177
584999	6/19/2011 0:00	-0.178	-0.177
585000	6/20/2011 0:00	-0.177	-0.178
585001	6/21/2011 0:00	-0.185	-0.176
585002	6/22/2011 0:00	-0.181	-0.177
585003	6/23/2011 0:00	-0.183	-0.176
585004	6/24/2011 0:00	-0.192	-0.176
585005	6/25/2011 0:00	-0.139	-0.177
585006	6/26/2011 0:00	-0.159	-0.178
585007	6/27/2011 0:00	-0.207	-0.18
585008	6/28/2011 0:00	-0.194	-0.179
585009	6/29/2011 0:00	-0.199	-0.18
585010	6/30/2011 0:00	-0.199	-0.181
585011	7/1/2011 0:00	-0.154	-0.182
585012	7/2/2011 0:00	-0.163	-0.182
585013	7/3/2011 0:00	-0.15	-0.183
585014	7/4/2011 0:00	-0.179	-0.183
585015	7/5/2011 0:00	-0.187	-0.183
585016	7/6/2011 0:00	-0.18	-0.182
585017	7/7/2011 0:00	-0.182	-0.183
585018	7/8/2011 0:00	-0.185	-0.182
585019	7/9/2011 0:00	-0.167	-0.183
585020	7/10/2011 0:00	-0.196	-0.183
585021	7/11/2011 0:00	-0.195	-0.185
585022	7/12/2011 0:00	-0.204	-0.184
585023	7/13/2011 0:00	-0.173	-0.182
585024	7/14/2011 0:00	-0.195	-0.182
585025	7/15/2011 0:00	-0.195	-0.182
585026	7/16/2011 0:00	-0.196	-0.182
585027	7/17/2011 0:00	-0.195	-0.183
585028	7/18/2011 0:00	-0.187	-0.183
585029	7/19/2011 0:00	-0.199	-0.184
585030	7/20/2011 0:00	-0.172	-0.186
585031	7/21/2011 0:00	-0.158	-0.186
585032	7/22/2011 0:00	-0.2	-0.186
585033	7/23/2011 0:00	-0.173	-0.186
585034	7/24/2011 0:00	-0.198	-0.185
585035	7/25/2011 0:00	-0.196	-0.185
585036	7/26/2011 0:00	-0.185	-0.185
585037	7/27/2011 0:00	-0.141	-0.185
585038	7/28/2011 0:00	-0.154	-0.184
585039	7/29/2011 0:00	-0.191	-0.185
585040	7/30/2011 0:00	-0.208	-0.185
585041	7/31/2011 0:00	-0.186	-0.185
585042	8/1/2011 0:00	-0.17	-0.185
585043	8/2/2011 0:00	-0.183	-0.185
585044	8/3/2011 0:00	-0.184	-0.186
585045	8/4/2011 0:00	-0.219	-0.185
585046	8/5/2011 0:00	-0.2	-0.186
585047	8/6/2011 0:00	-0.194	-0.187

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585048	8/7/2011 0:00	-0.162	-0.187
585049	8/8/2011 0:00	-0.15	-0.186
585050	8/9/2011 0:00	-0.177	-0.185
585051	8/10/2011 0:00	-0.189	-0.184
585052	8/11/2011 0:00	-0.189	-0.184
585053	8/12/2011 0:00	-0.19	-0.186
585054	8/13/2011 0:00	-0.201	-0.186
585055	8/14/2011 0:00	-0.192	-0.186
585056	8/15/2011 0:00	-0.202	-0.184
585057	8/16/2011 0:00	-0.194	-0.184
585058	8/17/2011 0:00	-0.204	-0.184
585059	8/18/2011 0:00	-0.196	-0.184
585060	8/19/2011 0:00	-0.181	-0.183
585061	8/20/2011 0:00	-0.207	-0.182
585062	8/21/2011 0:00	-0.174	-0.182
585063	8/22/2011 0:00	-0.193	-0.182
585064	8/23/2011 0:00	-0.15	-0.182
585065	8/24/2011 0:00	-0.171	-0.183
585066	8/25/2011 0:00	-0.172	-0.184
585067	8/26/2011 0:00	-0.194	-0.183
585068	8/27/2011 0:00	-0.179	-0.182
585069	8/28/2011 0:00	-0.166	-0.182
585070	8/29/2011 0:00	-0.194	-0.181
585071	8/30/2011 0:00	-0.151	-0.181
585072	8/31/2011 0:00	-0.167	-0.181
585073	9/1/2011 0:00	-0.185	-0.18
585074	9/2/2011 0:00	-0.176	-0.179
585075	9/3/2011 0:00	-0.163	-0.179
585076	9/4/2011 0:00	-0.181	-0.18
585077	9/5/2011 0:00	-0.204	-0.181
585078	9/6/2011 0:00	-0.201	-0.181
585079	9/7/2011 0:00	-0.162	-0.179
585080	9/8/2011 0:00	-0.179	-0.18
585081	9/9/2011 0:00	-0.191	-0.179
585082	9/10/2011 0:00	-0.163	-0.179
585083	9/11/2011 0:00	-0.174	-0.178
585084	9/12/2011 0:00	-0.189	-0.178
585085	9/13/2011 0:00	-0.148	-0.179
585086	9/14/2011 0:00	-0.211	-0.177
585087	9/15/2011 0:00	-0.199	-0.177
585088	9/16/2011 0:00	-0.165	-0.178
585089	9/17/2011 0:00	-0.167	-0.178
585090	9/18/2011 0:00	-0.205	-0.179
585091	9/19/2011 0:00	-0.204	-0.18
585092	9/20/2011 0:00	-0.218	-0.179
585093	9/21/2011 0:00	-0.182	-0.178
585094	9/22/2011 0:00	-0.15	-0.176
585095	9/23/2011 0:00	-0.162	-0.177
585096	9/24/2011 0:00	-0.15	-0.177
585097	9/25/2011 0:00	-0.164	-0.175
585098	9/26/2011 0:00	-0.173	-0.176
585099	9/27/2011 0:00	-0.177	-0.177
585100	9/28/2011 0:00	-0.185	-0.177
585101	9/29/2011 0:00	-0.15	-0.177
585102	9/30/2011 0:00	-0.158	-0.175
585103	10/1/2011 0:00	-0.184	-0.174
585104	10/2/2011 0:00	-0.195	-0.175
585105	10/3/2011 0:00	-0.194	-0.175
585106	10/4/2011 0:00	-0.194	-0.173
585107	10/5/2011 0:00	-0.152	-0.172
585108	10/6/2011 0:00	-0.165	-0.17
585109	10/7/2011 0:00	-0.143	-0.171
585110	10/8/2011 0:00	-0.197	-0.172
585111	10/9/2011 0:00	-0.166	-0.172
585112	10/10/2011 0:00	-0.151	-0.172
585113	10/11/2011 0:00	-0.194	-0.172
585114	10/12/2011 0:00	-0.201	-0.173
585115	10/13/2011 0:00	-0.184	-0.174
585116	10/14/2011 0:00	-0.142	-0.175
585117	10/15/2011 0:00	-0.143	-0.176
585118	10/16/2011 0:00	-0.173	-0.177
585119	10/17/2011 0:00	-0.191	-0.177
585120	10/18/2011 0:00	-0.176	-0.178
585121	10/19/2011 0:00	-0.15	-0.179

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585122	10/20/2011 0:00	-0.157	-0.178
585123	10/21/2011 0:00	-0.179	-0.179
585124	10/22/2011 0:00	-0.197	-0.18
585125	10/23/2011 0:00	-0.176	-0.183
585126	10/24/2011 0:00	-0.176	-0.185
585127	10/25/2011 0:00	-0.15	-0.187
585128	10/26/2011 0:00	-0.165	-0.189
585129	10/27/2011 0:00	-0.199	-0.189
585130	10/28/2011 0:00	-0.216	-0.189
585131	10/29/2011 0:00	-0.199	-0.19
585132	10/30/2011 0:00	-0.196	-0.191
585133	10/31/2011 0:00	-0.189	-0.194
585134	11/1/2011 0:00	-0.176	-0.195
585135	11/2/2011 0:00	-0.223	-0.196
585136	11/3/2011 0:00	-0.216	-0.197
585137	11/4/2011 0:00	-0.185	-0.199
585138	11/5/2011 0:00	-0.172	-0.201
585139	11/6/2011 0:00	-0.206	-0.202
585140	11/7/2011 0:00	-0.228	-0.203
585141	11/8/2011 0:00	-0.254	-0.205
585142	11/9/2011 0:00	-0.24	-0.205
585143	11/10/2011 0:00	-0.208	-0.206
585144	11/11/2011 0:00	-0.202	-0.208
585145	11/12/2011 0:00	-0.196	-0.209
585146	11/13/2011 0:00	-0.206	-0.209
585147	11/14/2011 0:00	-0.19	-0.209
585148	11/15/2011 0:00	-0.22	-0.208
585149	11/16/2011 0:00	-0.219	-0.21
585150	11/17/2011 0:00	-0.213	-0.21
585151	11/18/2011 0:00	-0.21	-0.21
585152	11/19/2011 0:00	-0.212	-0.21
585153	11/20/2011 0:00	-0.2	-0.211
585154	11/21/2011 0:00	-0.209	-0.214
585155	11/22/2011 0:00	-0.237	-0.214
585156	11/23/2011 0:00	-0.23	-0.213
585157	11/24/2011 0:00	-0.201	-0.212
585158	11/25/2011 0:00	-0.174	-0.21
585159	11/26/2011 0:00	-0.234	-0.209
585160	11/27/2011 0:00	-0.213	-0.209
585161	11/28/2011 0:00	-0.213	-0.209
585162	11/29/2011 0:00	-0.202	-0.209
585163	11/30/2011 0:00	-0.181	-0.21
585164	12/1/2011 0:00	-0.227	-0.209
585165	12/2/2011 0:00	-0.197	-0.209
585166	12/3/2011 0:00	-0.213	-0.208
585167	12/4/2011 0:00	-0.225	-0.207
585168	12/5/2011 0:00	-0.22	-0.207
585169	12/6/2011 0:00	-0.239	-0.206
585170	12/7/2011 0:00	-0.207	-0.206
585171	12/8/2011 0:00	-0.212	-0.206
585172	12/9/2011 0:00	-0.205	-0.206
585173	12/10/2011 0:00	-0.193	-0.206
585174	12/11/2011 0:00	-0.165	-0.208
585175	12/12/2011 0:00	-0.21	-0.207
585176	12/13/2011 0:00	-0.202	-0.206
585177	12/14/2011 0:00	-0.212	-0.205
585178	12/15/2011 0:00	-0.198	-0.205
585179	12/16/2011 0:00	-0.199	-0.206
585180	12/17/2011 0:00	-0.222	-0.205
585181	12/18/2011 0:00	-0.188	-0.205
585182	12/19/2011 0:00	-0.173	-0.205
585183	12/20/2011 0:00	-0.219	-0.205
585184	12/21/2011 0:00	-0.178	-0.205
585185	12/22/2011 0:00	-0.192	-0.203
585186	12/23/2011 0:00	-0.242	-0.203
585187	12/24/2011 0:00	-0.224	-0.203
585188	12/25/2011 0:00	-0.221	-0.204
585189	12/26/2011 0:00	-0.207	-0.203
585190	12/27/2011 0:00	-0.203	-0.204
585191	12/28/2011 0:00	-0.209	-0.203
585192	12/29/2011 0:00	-0.173	-0.203
585193	12/30/2011 0:00	-0.197	-0.203
585194	12/31/2011 0:00	-0.201	-0.202
585195	1/1/2012 0:00	-0.208	-0.202

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585196	1/2/2012 0:00	-0.193	-0.202
585197	1/3/2012 0:00	-0.227	-0.202
585198	1/4/2012 0:00	-0.229	-0.202
585199	1/5/2012 0:00	-0.21	-0.201
585200	1/6/2012 0:00	-0.188	-0.201
585201	1/7/2012 0:00	-0.201	-0.201
585202	1/8/2012 0:00	-0.202	-0.2
585203	1/9/2012 0:00	-0.222	-0.199
585204	1/10/2012 0:00	-0.192	-0.198
585205	1/11/2012 0:00	-0.188	-0.197
585206	1/12/2012 0:00	-0.185	-0.196
585207	1/13/2012 0:00	-0.188	-0.196
585208	1/14/2012 0:00	-0.207	-0.197
585209	1/15/2012 0:00	-0.174	-0.196
585210	1/16/2012 0:00	-0.206	-0.195
585211	1/17/2012 0:00	-0.206	-0.195
585212	1/18/2012 0:00	-0.186	-0.195
585213	1/19/2012 0:00	-0.184	-0.194
585214	1/20/2012 0:00	-0.192	-0.193
585215	1/21/2012 0:00	-0.163	-0.192
585216	1/22/2012 0:00	-0.214	-0.191
585217	1/23/2012 0:00	-0.207	-0.192
585218	1/24/2012 0:00	-0.199	-0.191
585219	1/25/2012 0:00	-0.164	-0.191
585220	1/26/2012 0:00	-0.194	-0.191
585221	1/27/2012 0:00	-0.171	-0.19
585222	1/28/2012 0:00	-0.198	-0.19
585223	1/29/2012 0:00	-0.204	-0.189
585224	1/30/2012 0:00	-0.171	-0.187
585225	1/31/2012 0:00	-0.173	-0.188
585226	2/1/2012 0:00	-0.195	-0.187
585227	2/2/2012 0:00	-0.195	-0.188
585228	2/3/2012 0:00	-0.191	-0.188
585229	2/4/2012 0:00	-0.2	-0.188
585230	2/5/2012 0:00	-0.177	-0.188
585231	2/6/2012 0:00	-0.17	-0.189
585232	2/7/2012 0:00	-0.221	-0.188
585233	2/8/2012 0:00	-0.187	-0.187
585234	2/9/2012 0:00	-0.215	-0.187
585235	2/10/2012 0:00	-0.192	-0.188
585236	2/11/2012 0:00	-0.167	-0.188
585237	2/12/2012 0:00	-0.163	-0.187
585238	2/13/2012 0:00	-0.159	-0.186
585239	2/14/2012 0:00	-0.17	-0.186
585240	2/15/2012 0:00	-0.192	-0.186
585241	2/16/2012 0:00	-0.185	-0.187
585242	2/17/2012 0:00	-0.221	-0.187
585243	2/18/2012 0:00	-0.199	-0.187
585244	2/19/2012 0:00	-0.18	-0.187
585245	2/20/2012 0:00	-0.202	-0.186
585246	2/21/2012 0:00	-0.191	-0.186
585247	2/22/2012 0:00	-0.184	-0.187
585248	2/23/2012 0:00	-0.166	-0.187
585249	2/24/2012 0:00	-0.191	-0.186
585250	2/25/2012 0:00	-0.214	-0.185
585251	2/26/2012 0:00	-0.169	-0.186
585252	2/27/2012 0:00	-0.138	-0.187
585253	2/28/2012 0:00	-0.186	-0.189
585254	2/29/2012 0:00	-0.197	-0.19
585255	3/1/2012 0:00	-0.187	-0.191
585256	3/2/2012 0:00	-0.186	-0.192
585257	3/3/2012 0:00	-0.203	-0.193
585258	3/4/2012 0:00	-0.198	-0.192
585259	3/5/2012 0:00	-0.185	-0.192
585260	3/6/2012 0:00	-0.174	-0.193
585261	3/7/2012 0:00	-0.179	-0.193
585262	3/8/2012 0:00	-0.207	-0.195
585263	3/9/2012 0:00	-0.203	-0.197
585264	3/10/2012 0:00	-0.173	-0.198
585265	3/11/2012 0:00	-0.188	-0.198
585266	3/12/2012 0:00	-0.213	-0.198
585267	3/13/2012 0:00	-0.205	-0.199
585268	3/14/2012 0:00	-0.201	-0.202
585269	3/15/2012 0:00	-0.199	-0.202

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585270	3/16/2012 0:00	-0.198	-0.202
585271	3/17/2012 0:00	-0.235	-0.202
585272	3/18/2012 0:00	-0.209	-0.202
585273	3/19/2012 0:00	-0.198	-0.203
585274	3/20/2012 0:00	-0.199	-0.203
585275	3/21/2012 0:00	-0.215	-0.203
585276	3/22/2012 0:00	-0.207	-0.203
585277	3/23/2012 0:00	-0.241	-0.204
585278	3/24/2012 0:00	-0.235	-0.205
585279	3/25/2012 0:00	-0.209	-0.206
585280	3/26/2012 0:00	-0.199	-0.207
585281	3/27/2012 0:00	-0.211	-0.208
585282	3/28/2012 0:00	-0.205	-0.208
585283	3/29/2012 0:00	-0.225	-0.209
585284	3/30/2012 0:00	-0.19	-0.21
585285	3/31/2012 0:00	-0.194	-0.21
585286	4/1/2012 0:00	-0.163	-0.211
585287	4/2/2012 0:00	-0.191	-0.21
585288	4/3/2012 0:00	-0.23	-0.211
585289	4/4/2012 0:00	-0.208	-0.211
585290	4/5/2012 0:00	-0.184	-0.212
585291	4/6/2012 0:00	-0.188	-0.212
585292	4/7/2012 0:00	-0.199	-0.212
585293	4/8/2012 0:00	-0.231	-0.211
585294	4/9/2012 0:00	-0.243	-0.209
585295	4/10/2012 0:00	-0.216	-0.209
585296	4/11/2012 0:00	-0.216	-0.209
585297	4/12/2012 0:00	-0.205	-0.209
585298	4/13/2012 0:00	-0.234	-0.208
585299	4/14/2012 0:00	-0.222	-0.208
585300	4/15/2012 0:00	-0.218	-0.209
585301	4/16/2012 0:00	-0.214	-0.209
585302	4/17/2012 0:00	-0.212	-0.21
585303	4/18/2012 0:00	-0.228	-0.211
585304	4/19/2012 0:00	-0.214	-0.21
585305	4/20/2012 0:00	-0.217	-0.21
585306	4/21/2012 0:00	-0.228	-0.212
585307	4/22/2012 0:00	-0.21	-0.213
585308	4/23/2012 0:00	-0.19	-0.213
585309	4/24/2012 0:00	-0.193	-0.213
585310	4/25/2012 0:00	-0.199	-0.212
585311	4/26/2012 0:00	-0.213	-0.212
585312	4/27/2012 0:00	-0.191	-0.212
585313	4/28/2012 0:00	-0.183	-0.212
585314	4/29/2012 0:00	-0.219	-0.212
585315	4/30/2012 0:00	-0.216	-0.211
585316	5/1/2012 0:00	-0.196	-0.212
585317	5/2/2012 0:00	-0.202	-0.212
585318	5/3/2012 0:00	-0.219	-0.212
585319	5/4/2012 0:00	-0.21	-0.211
585320	5/5/2012 0:00	-0.212	-0.211
585321	5/6/2012 0:00	-0.221	-0.21
585322	5/7/2012 0:00	-0.222	-0.21
585323	5/8/2012 0:00	-0.212	-0.208
585324	5/9/2012 0:00	-0.216	-0.209
585325	5/10/2012 0:00	-0.209	-0.209
585326	5/11/2012 0:00	-0.224	-0.209
585327	5/12/2012 0:00	-0.224	-0.208
585328	5/13/2012 0:00	-0.213	-0.208
585329	5/14/2012 0:00	-0.22	-0.209
585330	5/15/2012 0:00	-0.192	-0.208
585331	5/16/2012 0:00	-0.24	-0.208
585332	5/17/2012 0:00	-0.209	-0.208
585333	5/18/2012 0:00	-0.222	-0.207
585334	5/19/2012 0:00	-0.203	-0.206
585335	5/20/2012 0:00	-0.202	-0.206
585336	5/21/2012 0:00	-0.211	-0.206
585337	5/22/2012 0:00	-0.204	-0.204
585338	5/23/2012 0:00	-0.163	-0.203
585339	5/24/2012 0:00	-0.209	-0.203
585340	5/25/2012 0:00	-0.21	-0.202
585341	5/26/2012 0:00	-0.179	-0.201
585342	5/27/2012 0:00	-0.203	-0.201
585343	5/28/2012 0:00	-0.195	-0.2



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585344	5/29/2012 0:00	-0.202	-0.199
585345	5/30/2012 0:00	-0.2	-0.198
585346	5/31/2012 0:00	-0.201	-0.199
585347	6/1/2012 0:00	-0.192	-0.197
585348	6/2/2012 0:00	-0.187	-0.197
585349	6/3/2012 0:00	-0.189	-0.195
585350	6/4/2012 0:00	-0.198	-0.196
585351	6/5/2012 0:00	-0.211	-0.196
585352	6/6/2012 0:00	-0.155	-0.196
585353	6/7/2012 0:00	-0.194	-0.195
585354	6/8/2012 0:00	-0.211	-0.196
585355	6/9/2012 0:00	-0.187	-0.195
585356	6/10/2012 0:00	-0.193	-0.195
585357	6/11/2012 0:00	-0.212	-0.197
585358	6/12/2012 0:00	-0.186	-0.197
585359	6/13/2012 0:00	-0.187	-0.197
585360	6/14/2012 0:00	-0.202	-0.198
585361	6/15/2012 0:00	-0.199	-0.198
585362	6/16/2012 0:00	-0.184	-0.198
585363	6/17/2012 0:00	-0.201	-0.198
585364	6/18/2012 0:00	-0.181	-0.198
585365	6/19/2012 0:00	-0.216	-0.198
585366	6/20/2012 0:00	-0.204	-0.198
585367	6/21/2012 0:00	-0.214	-0.199
585368	6/22/2012 0:00	-0.191	-0.202
585369	6/23/2012 0:00	-0.178	-0.202
585370	6/24/2012 0:00	-0.192	-0.2
585371	6/25/2012 0:00	-0.214	-0.2
585372	6/26/2012 0:00	-0.214	-0.201
585373	6/27/2012 0:00	-0.219	-0.201
585374	6/28/2012 0:00	-0.207	-0.202
585375	6/29/2012 0:00	-0.204	-0.203
585376	6/30/2012 0:00	-0.214	-0.202
585377	7/1/2012 0:00	-0.21	-0.202
585378	7/2/2012 0:00	-0.191	-0.203
585379	7/3/2012 0:00	-0.174	-0.203
585380	7/4/2012 0:00	-0.185	-0.203
585381	7/5/2012 0:00	-0.219	-0.204
585382	7/6/2012 0:00	-0.232	-0.203
585383	7/7/2012 0:00	-0.233	-0.204
585384	7/8/2012 0:00	-0.202	-0.205
585385	7/9/2012 0:00	-0.169	-0.206
585386	7/10/2012 0:00	-0.185	-0.206
585387	7/11/2012 0:00	-0.205	-0.206
585388	7/12/2012 0:00	-0.226	-0.205
585389	7/13/2012 0:00	-0.22	-0.205
585390	7/14/2012 0:00	-0.193	-0.206
585391	7/15/2012 0:00	-0.196	-0.207
585392	7/16/2012 0:00	-0.188	-0.206
585393	7/17/2012 0:00	-0.209	-0.207
585394	7/18/2012 0:00	-0.208	-0.207
585395	7/19/2012 0:00	-0.197	-0.208
585396	7/20/2012 0:00	-0.219	-0.209
585397	7/21/2012 0:00	-0.199	-0.208
585398	7/22/2012 0:00	-0.228	-0.208
585399	7/23/2012 0:00	-0.225	-0.207
585400	7/24/2012 0:00	-0.214	-0.207
585401	7/25/2012 0:00	-0.2	-0.208
585402	7/26/2012 0:00	-0.189	-0.208
585403	7/27/2012 0:00	-0.198	-0.208
585404	7/28/2012 0:00	-0.209	-0.207
585405	7/29/2012 0:00	-0.248	-0.206
585406	7/30/2012 0:00	-0.216	-0.206
585407	7/31/2012 0:00	-0.208	-0.207
585408	8/1/2012 0:00	-0.218	-0.207
585409	8/2/2012 0:00	-0.191	-0.207
585410	8/3/2012 0:00	-0.204	-0.207
585411	8/4/2012 0:00	-0.22	-0.208
585412	8/5/2012 0:00	-0.204	-0.208
585413	8/6/2012 0:00	-0.212	-0.208
585414	8/7/2012 0:00	-0.215	-0.207
585415	8/8/2012 0:00	-0.202	-0.206
585416	8/9/2012 0:00	-0.194	-0.206
585417	8/10/2012 0:00	-0.201	-0.206

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585418	8/11/2012 0:00	-0.187	-0.207
585419	8/12/2012 0:00	-0.195	-0.207
585420	8/13/2012 0:00	-0.193	-0.207
585421	8/14/2012 0:00	-0.205	-0.206
585422	8/15/2012 0:00	-0.215	-0.206
585423	8/16/2012 0:00	-0.193	-0.205
585424	8/17/2012 0:00	-0.201	-0.205
585425	8/18/2012 0:00	-0.214	-0.205
585426	8/19/2012 0:00	-0.227	-0.206
585427	8/20/2012 0:00	-0.223	-0.205
585428	8/21/2012 0:00	-0.203	-0.204
585429	8/22/2012 0:00	-0.19	-0.203
585430	8/23/2012 0:00	-0.21	-0.202
585431	8/24/2012 0:00	-0.19	-0.204
585432	8/25/2012 0:00	-0.227	-0.205
585433	8/26/2012 0:00	-0.206	-0.203
585434	8/27/2012 0:00	-0.203	-0.205
585435	8/28/2012 0:00	-0.218	-0.205
585436	8/29/2012 0:00	-0.204	-0.206
585437	8/30/2012 0:00	-0.2	-0.207
585438	8/31/2012 0:00	-0.2	-0.207
585439	9/1/2012 0:00	-0.208	-0.208
585440	9/2/2012 0:00	-0.196	-0.208
585441	9/3/2012 0:00	-0.225	-0.209
585442	9/4/2012 0:00	-0.19	-0.209
585443	9/5/2012 0:00	-0.175	-0.209
585444	9/6/2012 0:00	-0.177	-0.209
585445	9/7/2012 0:00	-0.204	-0.21
585446	9/8/2012 0:00	-0.244	-0.21
585447	9/9/2012 0:00	-0.218	-0.211
585448	9/10/2012 0:00	-0.166	-0.212
585449	9/11/2012 0:00	-0.232	-0.213
585450	9/12/2012 0:00	-0.209	-0.214
585451	9/13/2012 0:00	-0.223	-0.214
585452	9/14/2012 0:00	-0.23	-0.214
585453	9/15/2012 0:00	-0.223	-0.215
585454	9/16/2012 0:00	-0.211	-0.216
585455	9/17/2012 0:00	-0.216	-0.216
585456	9/18/2012 0:00	-0.227	-0.216
585457	9/19/2012 0:00	-0.238	-0.216
585458	9/20/2012 0:00	-0.219	-0.217
585459	9/21/2012 0:00	-0.209	-0.218
585460	9/22/2012 0:00	-0.212	-0.219
585461	9/23/2012 0:00	-0.216	-0.218
585462	9/24/2012 0:00	-0.231	-0.217
585463	9/25/2012 0:00	-0.246	-0.217
585464	9/26/2012 0:00	-0.226	-0.219
585465	9/27/2012 0:00	-0.229	-0.219
585466	9/28/2012 0:00	-0.218	-0.219
585467	9/29/2012 0:00	-0.21	-0.219
585468	9/30/2012 0:00	-0.239	-0.218
585469	10/1/2012 0:00	-0.234	-0.219
585470	10/2/2012 0:00	-0.206	-0.218
585471	10/3/2012 0:00	-0.189	-0.218
585472	10/4/2012 0:00	-0.229	-0.216
585473	10/5/2012 0:00	-0.208	-0.215
585474	10/6/2012 0:00	-0.223	-0.215
585475	10/7/2012 0:00	-0.206	-0.216
585476	10/8/2012 0:00	-0.166	-0.217
585477	10/9/2012 0:00	-0.229	-0.217
585478	10/10/2012 0:00	-0.212	-0.217
585479	10/11/2012 0:00	-0.238	-0.217
585480	10/12/2012 0:00	-0.229	-0.217
585481	10/13/2012 0:00	-0.212	-0.217
585482	10/14/2012 0:00	-0.203	-0.217
585483	10/15/2012 0:00	-0.218	-0.217
585484	10/16/2012 0:00	-0.244	-0.216
585485	10/17/2012 0:00	-0.182	-0.216
585486	10/18/2012 0:00	-0.203	-0.217
585487	10/19/2012 0:00	-0.174	-0.217
585488	10/20/2012 0:00	-0.21	-0.217
585489	10/21/2012 0:00	-0.212	-0.217
585490	10/22/2012 0:00	-0.239	-0.216
585491	10/23/2012 0:00	-0.231	-0.216

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585492	10/24/2012 0:00	-0.236	-0.218
585493	10/25/2012 0:00	-0.224	-0.218
585494	10/26/2012 0:00	-0.245	-0.218
585495	10/27/2012 0:00	-0.238	-0.218
585496	10/28/2012 0:00	-0.214	-0.218
585497	10/29/2012 0:00	-0.225	-0.22
585498	10/30/2012 0:00	-0.203	-0.221
585499	10/31/2012 0:00	-0.211	-0.223
585500	11/1/2012 0:00	-0.232	-0.222
585501	11/2/2012 0:00	-0.233	-0.225
585502	11/3/2012 0:00	-0.193	-0.225
585503	11/4/2012 0:00	-0.23	-0.227
585504	11/5/2012 0:00	-0.201	-0.229
585505	11/6/2012 0:00	-0.193	-0.228
585506	11/7/2012 0:00	-0.211	-0.227
585507	11/8/2012 0:00	-0.219	-0.227
585508	11/9/2012 0:00	-0.236	-0.228
585509	11/10/2012 0:00	-0.231	-0.228
585510	11/11/2012 0:00	-0.224	-0.228
585511	11/12/2012 0:00	-0.24	-0.228
585512	11/13/2012 0:00	-0.258	-0.228
585513	11/14/2012 0:00	-0.231	-0.23
585514	11/15/2012 0:00	-0.274	-0.229
585515	11/16/2012 0:00	-0.229	-0.23
585516	11/17/2012 0:00	-0.264	-0.23
585517	11/18/2012 0:00	-0.211	-0.229
585518	11/19/2012 0:00	-0.239	-0.229
585519	11/20/2012 0:00	-0.258	-0.229
585520	11/21/2012 0:00	-0.187	-0.229
585521	11/22/2012 0:00	-0.226	-0.23
585522	11/23/2012 0:00	-0.229	-0.23
585523	11/24/2012 0:00	-0.251	-0.23
585524	11/25/2012 0:00	-0.234	-0.23
585525	11/26/2012 0:00	-0.248	-0.23
585526	11/27/2012 0:00	-0.23	-0.23
585527	11/28/2012 0:00	-0.217	-0.228
585528	11/29/2012 0:00	-0.274	-0.227
585529	11/30/2012 0:00	-0.198	-0.225
585530	12/1/2012 0:00	-0.237	-0.223
585531	12/2/2012 0:00	-0.218	-0.222
585532	12/3/2012 0:00	-0.197	-0.219
585533	12/4/2012 0:00	-0.205	-0.219
585534	12/5/2012 0:00	-0.229	-0.219
585535	12/6/2012 0:00	-0.198	-0.218
585536	12/7/2012 0:00	-0.224	-0.219
585537	12/8/2012 0:00	-0.217	-0.219
585538	12/9/2012 0:00	-0.209	-0.218
585539	12/10/2012 0:00	-0.234	-0.217
585540	12/11/2012 0:00	-0.237	-0.218
585541	12/12/2012 0:00	-0.215	-0.217
585542	12/13/2012 0:00	-0.197	-0.217
585543	12/14/2012 0:00	-0.203	-0.217
585544	12/15/2012 0:00	-0.192	-0.215
585545	12/16/2012 0:00	-0.191	-0.215
585546	12/17/2012 0:00	-0.213	-0.215
585547	12/18/2012 0:00	-0.167	-0.216
585548	12/19/2012 0:00	-0.223	-0.217
585549	12/20/2012 0:00	-0.226	-0.219
585550	12/21/2012 0:00	-0.226	-0.219
585551	12/22/2012 0:00	-0.223	-0.219
585552	12/23/2012 0:00	-0.22	-0.22
585553	12/24/2012 0:00	-0.216	-0.221
585554	12/25/2012 0:00	-0.21	-0.222
585555	12/26/2012 0:00	-0.249	-0.222
585556	12/27/2012 0:00	-0.223	-0.222
585557	12/28/2012 0:00	-0.245	-0.223
585558	12/29/2012 0:00	-0.209	-0.224
585559	12/30/2012 0:00	-0.204	-0.225
585560	12/31/2012 0:00	-0.219	-0.227
585561	1/1/2013 0:00	-0.237	-0.227
585562	1/2/2013 0:00	-0.236	-0.229
585563	1/3/2013 0:00	-0.238	-0.231
585564	1/4/2013 0:00	-0.244	-0.23
585565	1/5/2013 0:00	-0.246	-0.229

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585566	1/6/2013 0:00	-0.208	-0.229
585567	1/7/2013 0:00	-0.243	-0.23
585568	1/8/2013 0:00	-0.246	-0.232
585569	1/9/2013 0:00	-0.254	-0.232
585570	1/10/2013 0:00	-0.225	-0.232
585571	1/11/2013 0:00	-0.226	-0.231
585572	1/12/2013 0:00	-0.249	-0.231
585573	1/13/2013 0:00	-0.246	-0.23
585574	1/14/2013 0:00	-0.236	-0.231
585575	1/15/2013 0:00	-0.231	-0.233
585576	1/16/2013 0:00	-0.21	-0.234
585577	1/17/2013 0:00	-0.253	-0.235
585578	1/18/2013 0:00	-0.228	-0.235
585579	1/19/2013 0:00	-0.2	-0.235
585580	1/20/2013 0:00	-0.204	-0.235
585581	1/21/2013 0:00	-0.229	-0.235
585582	1/22/2013 0:00	-0.249	-0.236
585583	1/23/2013 0:00	-0.266	-0.236
585584	1/24/2013 0:00	-0.218	-0.235
585585	1/25/2013 0:00	-0.223	-0.234
585586	1/26/2013 0:00	-0.214	-0.234
585587	1/27/2013 0:00	-0.231	-0.235
585588	1/28/2013 0:00	-0.218	-0.234
585589	1/29/2013 0:00	-0.237	-0.234
585590	1/30/2013 0:00	-0.247	-0.234
585591	1/31/2013 0:00	-0.258	-0.235
585592	2/1/2013 0:00	-0.264	-0.236
585593	2/2/2013 0:00	-0.25	-0.235
585594	2/3/2013 0:00	-0.246	-0.235
585595	2/4/2013 0:00	-0.242	-0.235
585596	2/5/2013 0:00	-0.225	-0.235
585597	2/6/2013 0:00	-0.259	-0.235
585598	2/7/2013 0:00	-0.223	-0.235
585599	2/8/2013 0:00	-0.225	-0.233
585600	2/9/2013 0:00	-0.222	-0.233
585601	2/10/2013 0:00	-0.228	-0.233
585602	2/11/2013 0:00	-0.255	-0.233
585603	2/12/2013 0:00	-0.231	-0.233
585604	2/13/2013 0:00	-0.243	-0.234
585605	2/14/2013 0:00	-0.217	-0.233
585606	2/15/2013 0:00	-0.275	-0.233
585607	2/16/2013 0:00	-0.228	-0.233
585608	2/17/2013 0:00	-0.226	-0.232
585609	2/18/2013 0:00	-0.226	-0.231
585610	2/19/2013 0:00	-0.225	-0.231
585611	2/20/2013 0:00	-0.201	-0.231
585612	2/21/2013 0:00	-0.226	-0.232
585613	2/22/2013 0:00	-0.245	-0.229
585614	2/23/2013 0:00	-0.197	-0.23
585615	2/24/2013 0:00	-0.216	-0.23
585616	2/25/2013 0:00	-0.219	-0.23
585617	2/26/2013 0:00	-0.225	-0.231
585618	2/27/2013 0:00	-0.221	-0.231
585619	2/28/2013 0:00	-0.24	-0.232
585620	3/1/2013 0:00	-0.221	-0.232
585621	3/2/2013 0:00	-0.256	-0.232
585622	3/3/2013 0:00	-0.253	-0.23
585623	3/4/2013 0:00	-0.222	-0.23
585624	3/5/2013 0:00	-0.229	-0.231
585625	3/6/2013 0:00	-0.234	-0.23
585626	3/7/2013 0:00	-0.241	-0.23
585627	3/8/2013 0:00	-0.251	-0.23
585628	3/9/2013 0:00	-0.191	-0.231
585629	3/10/2013 0:00	-0.248	-0.23
585630	3/11/2013 0:00	-0.222	-0.232
585631	3/12/2013 0:00	-0.219	-0.232
585632	3/13/2013 0:00	-0.273	-0.233
585633	3/14/2013 0:00	-0.252	-0.234
585634	3/15/2013 0:00	-0.238	-0.233
585635	3/16/2013 0:00	-0.241	-0.233
585636	3/17/2013 0:00	-0.221	-0.234
585637	3/18/2013 0:00	-0.206	-0.233
585638	3/19/2013 0:00	-0.239	-0.232
585639	3/20/2013 0:00	-0.259	-0.232

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585640	3/21/2013 0:00	-0.203	-0.232
585641	3/22/2013 0:00	-0.211	-0.233
585642	3/23/2013 0:00	-0.217	-0.232
585643	3/24/2013 0:00	-0.241	-0.23
585644	3/25/2013 0:00	-0.227	-0.23
585645	3/26/2013 0:00	-0.241	-0.229
585646	3/27/2013 0:00	-0.234	-0.228
585647	3/28/2013 0:00	-0.248	-0.23
585648	3/29/2013 0:00	-0.242	-0.227
585649	3/30/2013 0:00	-0.209	-0.225
585650	3/31/2013 0:00	-0.231	-0.225
585651	4/1/2013 0:00	-0.242	-0.225
585652	4/2/2013 0:00	-0.242	-0.226
585653	4/3/2013 0:00	-0.21	-0.227
585654	4/4/2013 0:00	-0.234	-0.227
585655	4/5/2013 0:00	-0.228	-0.227
585656	4/6/2013 0:00	-0.253	-0.229
585657	4/7/2013 0:00	-0.221	-0.23
585658	4/8/2013 0:00	-0.175	-0.232
585659	4/9/2013 0:00	-0.201	-0.233
585660	4/10/2013 0:00	-0.206	-0.232
585661	4/11/2013 0:00	-0.217	-0.232
585662	4/12/2013 0:00	-0.255	-0.233
585663	4/13/2013 0:00	-0.198	-0.232
585664	4/14/2013 0:00	-0.2	-0.231
585665	4/15/2013 0:00	-0.213	-0.231
585666	4/16/2013 0:00	-0.254	-0.232
585667	4/17/2013 0:00	-0.259	-0.232
585668	4/18/2013 0:00	-0.241	-0.232
585669	4/19/2013 0:00	-0.241	-0.232
585670	4/20/2013 0:00	-0.243	-0.232
585671	4/21/2013 0:00	-0.263	-0.234
585672	4/22/2013 0:00	-0.258	-0.233
585673	4/23/2013 0:00	-0.271	-0.234
585674	4/24/2013 0:00	-0.252	-0.236
585675	4/25/2013 0:00	-0.221	-0.237
585676	4/26/2013 0:00	-0.242	-0.238
585677	4/27/2013 0:00	-0.245	-0.239
585678	4/28/2013 0:00	-0.221	-0.239
585679	4/29/2013 0:00	-0.223	-0.241
585680	4/30/2013 0:00	-0.216	-0.241
585681	5/1/2013 0:00	-0.242	-0.243
585682	5/2/2013 0:00	-0.256	-0.242
585683	5/3/2013 0:00	-0.246	-0.241
585684	5/4/2013 0:00	-0.207	-0.241
585685	5/5/2013 0:00	-0.237	-0.241
585686	5/6/2013 0:00	-0.268	-0.241
585687	5/7/2013 0:00	-0.242	-0.24
585688	5/8/2013 0:00	-0.258	-0.24
585689	5/9/2013 0:00	-0.222	-0.24
585690	5/10/2013 0:00	-0.234	-0.24
585691	5/11/2013 0:00	-0.232	-0.241
585692	5/12/2013 0:00	-0.243	-0.241
585693	5/13/2013 0:00	-0.268	-0.24
585694	5/14/2013 0:00	-0.247	-0.241
585695	5/15/2013 0:00	-0.223	-0.241
585696	5/16/2013 0:00	-0.246	-0.242
585697	5/17/2013 0:00	-0.248	-0.241
585698	5/18/2013 0:00	-0.227	-0.241
585699	5/19/2013 0:00	-0.236	-0.241
585700	5/20/2013 0:00	-0.23	-0.243
585701	5/21/2013 0:00	-0.248	-0.244
585702	5/22/2013 0:00	-0.246	-0.243
585703	5/23/2013 0:00	-0.244	-0.243
585704	5/24/2013 0:00	-0.269	-0.243
585705	5/25/2013 0:00	-0.255	-0.243
585706	5/26/2013 0:00	-0.241	-0.243
585707	5/27/2013 0:00	-0.24	-0.243
585708	5/28/2013 0:00	-0.235	-0.243
585709	5/29/2013 0:00	-0.24	-0.243
585710	5/30/2013 0:00	-0.222	-0.243
585711	5/31/2013 0:00	-0.235	-0.244
585712	6/1/2013 0:00	-0.239	-0.244
585713	6/2/2013 0:00	-0.253	-0.244

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585714	6/3/2013 0:00	-0.233	-0.245
585715	6/4/2013 0:00	-0.259	-0.245
585716	6/5/2013 0:00	-0.268	-0.245
585717	6/6/2013 0:00	-0.239	-0.245
585718	6/7/2013 0:00	-0.249	-0.245
585719	6/8/2013 0:00	-0.25	-0.245
585720	6/9/2013 0:00	-0.226	-0.244
585721	6/10/2013 0:00	-0.228	-0.244
585722	6/11/2013 0:00	-0.258	-0.244
585723	6/12/2013 0:00	-0.222	-0.244
585724	6/13/2013 0:00	-0.268	-0.243
585725	6/14/2013 0:00	-0.252	-0.243
585726	6/15/2013 0:00	-0.261	-0.244
585727	6/16/2013 0:00	-0.251	-0.244
585728	6/17/2013 0:00	-0.24	-0.243
585729	6/18/2013 0:00	-0.251	-0.242
585730	6/19/2013 0:00	-0.247	-0.242
585731	6/20/2013 0:00	-0.223	-0.241
585732	6/21/2013 0:00	-0.261	-0.241
585733	6/22/2013 0:00	-0.238	-0.241
585734	6/23/2013 0:00	-0.235	-0.241
585735	6/24/2013 0:00	-0.235	-0.241
585736	6/25/2013 0:00	-0.258	-0.241
585737	6/26/2013 0:00	-0.234	-0.243
585738	6/27/2013 0:00	-0.241	-0.243
585739	6/28/2013 0:00	-0.215	-0.243
585740	6/29/2013 0:00	-0.25	-0.242
585741	6/30/2013 0:00	-0.228	-0.242
585742	7/1/2013 0:00	-0.237	-0.242
585743	7/2/2013 0:00	-0.22	-0.242
585744	7/3/2013 0:00	-0.238	-0.242
585745	7/4/2013 0:00	-0.216	-0.242
585746	7/5/2013 0:00	-0.239	-0.242
585747	7/6/2013 0:00	-0.246	-0.241
585748	7/7/2013 0:00	-0.251	-0.24
585749	7/8/2013 0:00	-0.253	-0.24
585750	7/9/2013 0:00	-0.257	-0.24
585751	7/10/2013 0:00	-0.226	-0.241
585752	7/11/2013 0:00	-0.288	-0.24
585753	7/12/2013 0:00	-0.238	-0.24
585754	7/13/2013 0:00	-0.239	-0.24
585755	7/14/2013 0:00	-0.239	-0.24
585756	7/15/2013 0:00	-0.244	-0.241
585757	7/16/2013 0:00	-0.254	-0.242
585758	7/17/2013 0:00	-0.259	-0.242
585759	7/18/2013 0:00	-0.243	-0.243
585760	7/19/2013 0:00	-0.256	-0.244
585761	7/20/2013 0:00	-0.244	-0.244
585762	7/21/2013 0:00	-0.197	-0.245
585763	7/22/2013 0:00	-0.236	-0.244
585764	7/23/2013 0:00	-0.213	-0.244
585765	7/24/2013 0:00	-0.256	-0.244
585766	7/25/2013 0:00	-0.246	-0.244
585767	7/26/2013 0:00	-0.238	-0.244
585768	7/27/2013 0:00	-0.233	-0.242
585769	7/28/2013 0:00	-0.244	-0.242
585770	7/29/2013 0:00	-0.226	-0.242
585771	7/30/2013 0:00	-0.253	-0.242
585772	7/31/2013 0:00	-0.262	-0.243
585773	8/1/2013 0:00	-0.24	-0.242
585774	8/2/2013 0:00	-0.255	-0.242
585775	8/3/2013 0:00	-0.263	-0.242
585776	8/4/2013 0:00	-0.239	-0.243
585777	8/5/2013 0:00	-0.243	-0.243
585778	8/6/2013 0:00	-0.244	-0.244
585779	8/7/2013 0:00	-0.246	-0.244
585780	8/8/2013 0:00	-0.245	-0.246
585781	8/9/2013 0:00	-0.257	-0.245
585782	8/10/2013 0:00	-0.228	-0.244
585783	8/11/2013 0:00	-0.232	-0.244
585784	8/12/2013 0:00	-0.232	-0.243
585785	8/13/2013 0:00	-0.239	-0.243
585786	8/14/2013 0:00	-0.251	-0.243
585787	8/15/2013 0:00	-0.253	-0.242

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585788	8/16/2013 0:00	-0.235	-0.241
585789	8/17/2013 0:00	-0.264	-0.241
585790	8/18/2013 0:00	-0.243	-0.241
585791	8/19/2013 0:00	-0.264	-0.24
585792	8/20/2013 0:00	-0.248	-0.24
585793	8/21/2013 0:00	-0.242	-0.24
585794	8/22/2013 0:00	-0.246	-0.24
585795	8/23/2013 0:00	-0.266	-0.24
585796	9/20/2013 0:00	-0.227	-0.241
585797	9/21/2013 0:00	-0.208	-0.24
585798	9/22/2013 0:00	-0.225	-0.24
585799	9/23/2013 0:00	-0.231	-0.241
585800	9/24/2013 0:00	-0.244	-0.241
585801	9/25/2013 0:00	-0.218	-0.242
585802	9/26/2013 0:00	-0.21	-0.242
585803	9/27/2013 0:00	-0.238	-0.241
585804	9/28/2013 0:00	-0.233	-0.241
585805	9/29/2013 0:00	-0.246	-0.241
585806	9/30/2013 0:00	-0.248	-0.242
585807	10/1/2013 0:00	-0.235	-0.241
585808	10/2/2013 0:00	-0.244	-0.241
585809	10/3/2013 0:00	-0.231	-0.24
585810	10/4/2013 0:00	-0.271	-0.24
585811	10/5/2013 0:00	-0.258	-0.239
585812	10/6/2013 0:00	-0.227	-0.239
585813	10/7/2013 0:00	-0.228	-0.24
585814	10/8/2013 0:00	-0.253	-0.241
585815	10/9/2013 0:00	-0.258	-0.24
585816	10/10/2013 0:00	-0.253	-0.24
585817	10/11/2013 0:00	-0.244	-0.242
585818	10/12/2013 0:00	-0.238	-0.243
585819	10/13/2013 0:00	-0.218	-0.244
585820	10/14/2013 0:00	-0.278	-0.244
585821	10/15/2013 0:00	-0.262	-0.245
585822	10/16/2013 0:00	-0.247	-0.244
585823	10/17/2013 0:00	-0.246	-0.246
585824	10/18/2013 0:00	-0.224	-0.245
585825	10/19/2013 0:00	-0.231	-0.243
585826	10/20/2013 0:00	-0.231	-0.24
585827	10/21/2013 0:00	-0.219	-0.24
585828	10/22/2013 0:00	-0.25	-0.241
585829	10/23/2013 0:00	-0.248	-0.242
585830	10/24/2013 0:00	-0.207	-0.241
585831	10/25/2013 0:00	-0.257	-0.239
585832	10/26/2013 0:00	-0.254	-0.238
585833	10/27/2013 0:00	-0.267	-0.239
585834	10/28/2013 0:00	-0.263	-0.239
585835	10/29/2013 0:00	-0.225	-0.241
585836	10/30/2013 0:00	-0.265	-0.238
585837	10/31/2013 0:00	-0.237	-0.237
585838	11/1/2013 0:00	-0.279	-0.237
585839	11/2/2013 0:00	-0.212	-0.237
585840	11/3/2013 0:00	-0.187	-0.237
585841	11/4/2013 0:00	-0.188	-0.237
585842	11/5/2013 0:00	-0.234	-0.237
585843	11/6/2013 0:00	-0.258	-0.238
585844	11/7/2013 0:00	-0.265	-0.238
585845	11/8/2013 0:00	-0.22	-0.239
585846	11/9/2013 0:00	-0.192	-0.241
585847	11/10/2013 0:00	-0.234	-0.241
585848	11/11/2013 0:00	-0.261	-0.242
585849	11/12/2013 0:00	-0.261	-0.241
585850	11/13/2013 0:00	-0.272	-0.24
585851	11/14/2013 0:00	-0.192	-0.241
585852	11/15/2013 0:00	-0.216	-0.242
585853	11/16/2013 0:00	-0.243	-0.244
585854	11/17/2013 0:00	-0.244	-0.243
585855	11/18/2013 0:00	-0.234	-0.244
585856	11/19/2013 0:00	-0.224	-0.246
585857	11/20/2013 0:00	-0.242	-0.248
585858	11/21/2013 0:00	-0.239	-0.249
585859	11/22/2013 0:00	-0.267	-0.25
585860	11/23/2013 0:00	-0.255	-0.249
585861	11/24/2013 0:00	-0.281	-0.251

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585862	11/25/2013 0:00	-0.25	-0.254
585863	11/26/2013 0:00	-0.281	-0.254
585864	11/27/2013 0:00	-0.254	-0.254
585865	11/28/2013 0:00	-0.234	-0.253
585866	11/29/2013 0:00	-0.262	-0.253
585867	11/30/2013 0:00	-0.293	-0.256
585868	12/1/2013 0:00	-0.301	-0.257
585869	12/2/2013 0:00	-0.23	-0.257
585870	12/3/2013 0:00	-0.264	-0.256
585871	12/4/2013 0:00	-0.236	-0.256
585872	12/5/2013 0:00	-0.251	-0.256
585873	12/6/2013 0:00	-0.278	-0.258
585874	12/7/2013 0:00	-0.259	-0.259
585875	12/8/2013 0:00	-0.252	-0.258
585876	12/9/2013 0:00	-0.289	-0.258
585877	12/10/2013 0:00	-0.278	-0.258
585878	12/11/2013 0:00	-0.24	-0.26
585879	12/12/2013 0:00	-0.25	-0.26
585880	12/13/2013 0:00	-0.237	-0.26
585881	12/14/2013 0:00	-0.26	-0.262
585882	12/15/2013 0:00	-0.286	-0.262
585883	12/16/2013 0:00	-0.246	-0.263
585884	12/17/2013 0:00	-0.255	-0.263
585885	12/18/2013 0:00	-0.222	-0.264
585886	12/19/2013 0:00	-0.225	-0.263
585887	12/20/2013 0:00	-0.233	-0.264
585888	12/21/2013 0:00	-0.275	-0.265
585889	12/22/2013 0:00	-0.278	-0.265
585890	12/23/2013 0:00	-0.257	-0.265
585891	12/24/2013 0:00	-0.257	-0.266
585892	12/25/2013 0:00	-0.274	-0.266
585893	12/26/2013 0:00	-0.31	-0.265
585894	12/27/2013 0:00	-0.282	-0.265
585895	12/28/2013 0:00	-0.258	-0.264
585896	12/29/2013 0:00	-0.28	-0.266
585897	12/30/2013 0:00	-0.27	-0.267
585898	12/31/2013 0:00	-0.311	-0.266
585899	1/1/2014 0:00	-0.301	-0.267
585900	1/2/2014 0:00	-0.274	-0.267
585901	1/3/2014 0:00	-0.23	-0.269
585902	1/4/2014 0:00	-0.254	-0.27
585903	1/5/2014 0:00	-0.287	-0.271
585904	1/6/2014 0:00	-0.275	-0.271
585905	1/7/2014 0:00	-0.283	-0.271
585906	1/8/2014 0:00	-0.265	-0.271
585907	1/9/2014 0:00	-0.279	-0.272
585908	1/10/2014 0:00	-0.255	-0.272
585909	1/11/2014 0:00	-0.255	-0.271
585910	1/12/2014 0:00	-0.226	-0.271
585911	1/13/2014 0:00	-0.282	-0.272
585912	1/14/2014 0:00	-0.281	-0.271
585913	1/15/2014 0:00	-0.279	-0.269
585914	1/16/2014 0:00	-0.267	-0.268
585915	1/17/2014 0:00	-0.253	-0.267
585916	1/18/2014 0:00	-0.275	-0.267
585917	1/19/2014 0:00	-0.258	-0.268
585918	1/20/2014 0:00	-0.262	-0.269
585919	1/21/2014 0:00	-0.29	-0.268
585920	1/22/2014 0:00	-0.267	-0.267
585921	1/23/2014 0:00	-0.271	-0.266
585922	1/24/2014 0:00	-0.277	-0.266
585923	1/25/2014 0:00	-0.283	-0.265
585924	1/26/2014 0:00	-0.285	-0.265
585925	1/27/2014 0:00	-0.269	-0.265
585926	1/28/2014 0:00	-0.286	-0.266
585927	1/29/2014 0:00	-0.25	-0.266
585928	1/30/2014 0:00	-0.224	-0.264
585929	1/31/2014 0:00	-0.266	-0.264
585930	2/1/2014 0:00	-0.261	-0.263
585931	2/2/2014 0:00	-0.293	-0.264
585932	2/3/2014 0:00	-0.254	-0.263
585933	2/4/2014 0:00	-0.272	-0.263
585934	2/5/2014 0:00	-0.259	-0.262
585935	2/6/2014 0:00	-0.256	-0.261



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
585936	2/7/2014 0:00	-0.262	-0.262
585937	2/8/2014 0:00	-0.248	-0.263
585938	2/9/2014 0:00	-0.257	-0.262
585939	2/10/2014 0:00	-0.26	-0.262
585940	2/11/2014 0:00	-0.257	-0.261
585941	2/12/2014 0:00	-0.249	-0.261
585942	2/13/2014 0:00	-0.263	-0.259
585943	2/14/2014 0:00	-0.233	-0.261
585944	2/15/2014 0:00	-0.263	-0.263
585945	2/16/2014 0:00	-0.261	-0.265
585946	2/17/2014 0:00	-0.262	-0.267
585947	2/18/2014 0:00	-0.268	-0.266
585948	2/19/2014 0:00	-0.237	-0.267
585949	2/20/2014 0:00	-0.251	-0.267
585950	2/21/2014 0:00	-0.257	-0.268
585951	2/22/2014 0:00	-0.298	-0.269
585952	2/23/2014 0:00	-0.292	-0.269
585953	2/24/2014 0:00	-0.255	-0.271
585954	2/25/2014 0:00	-0.289	-0.271
585955	2/26/2014 0:00	-0.252	-0.271
585956	2/27/2014 0:00	-0.261	-0.271
585957	2/28/2014 0:00	-0.222	-0.272
585958	3/1/2014 0:00	-0.316	-0.273
585959	3/2/2014 0:00	-0.285	-0.275
585960	3/3/2014 0:00	-0.308	-0.274
585961	3/4/2014 0:00	-0.324	-0.273
585962	3/5/2014 0:00	-0.281	-0.274
585963	3/6/2014 0:00	-0.288	-0.274
585964	3/7/2014 0:00	-0.257	-0.276
585965	3/8/2014 0:00	-0.286	-0.276
585966	3/9/2014 0:00	-0.289	-0.277
585967	3/10/2014 0:00	-0.286	-0.276
585968	3/11/2014 0:00	-0.283	-0.276
585969	3/12/2014 0:00	-0.281	-0.276
585970	3/13/2014 0:00	-0.245	-0.276
585971	3/14/2014 0:00	-0.26	-0.277
585972	3/15/2014 0:00	-0.283	-0.276
585973	3/16/2014 0:00	-0.295	-0.278
585974	3/17/2014 0:00	-0.275	-0.276
585975	3/18/2014 0:00	-0.233	-0.277
585976	3/19/2014 0:00	-0.256	-0.276
585977	3/20/2014 0:00	-0.266	-0.275
585978	3/21/2014 0:00	-0.271	-0.274
585979	3/22/2014 0:00	-0.294	-0.274
585980	3/23/2014 0:00	-0.282	-0.275
585981	3/24/2014 0:00	-0.263	-0.275
585982	3/25/2014 0:00	-0.262	-0.275
585983	3/26/2014 0:00	-0.305	-0.276
585984	3/27/2014 0:00	-0.257	-0.278
585985	3/28/2014 0:00	-0.274	-0.278
585986	3/29/2014 0:00	-0.292	-0.279
585987	3/30/2014 0:00	-0.241	-0.28
585988	3/31/2014 0:00	-0.273	-0.28
585989	4/1/2014 0:00	-0.264	-0.279
585990	4/2/2014 0:00	-0.319	-0.28
585991	4/3/2014 0:00	-0.274	-0.281
585992	4/4/2014 0:00	-0.287	-0.281
585993	4/5/2014 0:00	-0.26	-0.283
585994	4/6/2014 0:00	-0.275	-0.285
585995	4/7/2014 0:00	-0.285	-0.284
585996	4/8/2014 0:00	-0.292	-0.284
585997	4/9/2014 0:00	-0.288	-0.284
585998	4/10/2014 0:00	-0.308	-0.284
585999	4/11/2014 0:00	-0.34	-0.282
586000	4/12/2014 0:00	-0.289	-0.283
586001	4/13/2014 0:00	-0.282	-0.283
586002	4/14/2014 0:00	-0.284	-0.283
586003	4/15/2014 0:00	-0.289	-0.284
586004	4/16/2014 0:00	-0.274	-0.285
586005	4/17/2014 0:00	-0.287	-0.285
586006	4/18/2014 0:00	-0.264	-0.285
586007	4/19/2014 0:00	-0.275	-0.285
586008	4/20/2014 0:00	-0.335	-0.285
586009	4/21/2014 0:00	-0.307	-0.285

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586010	4/22/2014 0:00	-0.271	-0.285
586011	4/23/2014 0:00	-0.274	-0.285
586012	4/24/2014 0:00	-0.275	-0.285
586013	4/25/2014 0:00	-0.267	-0.285
586014	4/26/2014 0:00	-0.238	-0.283
586015	4/27/2014 0:00	-0.278	-0.282
586016	4/28/2014 0:00	-0.278	-0.283
586017	4/29/2014 0:00	-0.288	-0.283
586018	4/30/2014 0:00	-0.288	-0.284
586019	5/1/2014 0:00	-0.307	-0.283
586020	5/2/2014 0:00	-0.266	-0.283
586021	5/3/2014 0:00	-0.306	-0.283
586022	5/4/2014 0:00	-0.269	-0.284
586023	5/5/2014 0:00	-0.293	-0.286
586024	5/6/2014 0:00	-0.253	-0.285
586025	5/7/2014 0:00	-0.269	-0.285
586026	5/8/2014 0:00	-0.313	-0.284
586027	5/9/2014 0:00	-0.271	-0.284
586028	5/10/2014 0:00	-0.284	-0.285
586029	5/11/2014 0:00	-0.266	-0.286
586030	5/12/2014 0:00	-0.291	-0.288
586031	5/13/2014 0:00	-0.317	-0.289
586032	5/14/2014 0:00	-0.292	-0.29
586033	5/15/2014 0:00	-0.319	-0.291
586034	5/16/2014 0:00	-0.263	-0.291
586035	5/17/2014 0:00	-0.281	-0.291
586036	5/18/2014 0:00	-0.288	-0.291
586037	5/19/2014 0:00	-0.295	-0.291
586038	5/20/2014 0:00	-0.319	-0.292
586039	5/21/2014 0:00	-0.303	-0.291
586040	5/22/2014 0:00	-0.306	-0.292
586041	5/23/2014 0:00	-0.254	-0.293
586042	5/24/2014 0:00	-0.272	-0.293
586043	5/25/2014 0:00	-0.301	-0.293
586044	5/26/2014 0:00	-0.296	-0.294
586045	5/27/2014 0:00	-0.307	-0.295
586046	5/28/2014 0:00	-0.3	-0.295
586047	5/29/2014 0:00	-0.304	-0.295
586048	5/30/2014 0:00	-0.312	-0.295
586049	5/31/2014 0:00	-0.303	-0.294
586050	6/1/2014 0:00	-0.296	-0.296
586051	6/2/2014 0:00	-0.278	-0.297
586052	6/3/2014 0:00	-0.294	-0.297
586053	6/4/2014 0:00	-0.306	-0.297
586054	6/5/2014 0:00	-0.263	-0.296
586055	6/6/2014 0:00	-0.287	-0.295
586056	6/7/2014 0:00	-0.287	-0.296
586057	6/8/2014 0:00	-0.315	-0.297
586058	6/9/2014 0:00	-0.287	-0.298
586059	6/10/2014 0:00	-0.302	-0.298
586060	6/11/2014 0:00	-0.298	-0.298
586061	6/12/2014 0:00	-0.304	-0.297
586062	6/13/2014 0:00	-0.295	-0.296
586063	6/14/2014 0:00	-0.297	-0.295
586064	6/15/2014 0:00	-0.313	-0.295
586065	6/16/2014 0:00	-0.298	-0.295
586066	6/17/2014 0:00	-0.31	-0.296
586067	6/18/2014 0:00	-0.294	-0.297
586068	6/19/2014 0:00	-0.299	-0.297
586069	6/20/2014 0:00	-0.294	-0.296
586070	6/21/2014 0:00	-0.286	-0.297
586071	6/22/2014 0:00	-0.308	-0.298
586072	6/23/2014 0:00	-0.304	-0.298
586073	6/24/2014 0:00	-0.303	-0.297
586074	6/25/2014 0:00	-0.291	-0.297
586075	6/26/2014 0:00	-0.29	-0.296
586076	6/27/2014 0:00	-0.3	-0.296
586077	6/28/2014 0:00	-0.27	-0.296
586078	6/29/2014 0:00	-0.258	-0.295
586079	6/30/2014 0:00	-0.312	-0.294
586080	7/1/2014 0:00	-0.307	-0.292
586081	7/2/2014 0:00	-0.332	-0.291
586082	7/3/2014 0:00	-0.301	-0.291
586083	7/4/2014 0:00	-0.304	-0.291

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586084	7/5/2014 0:00	-0.262	-0.29
586085	7/6/2014 0:00	-0.305	-0.289
586086	7/7/2014 0:00	-0.32	-0.29
586087	7/8/2014 0:00	-0.292	-0.289
586088	7/9/2014 0:00	-0.278	-0.29
586089	7/10/2014 0:00	-0.272	-0.29
586090	7/11/2014 0:00	-0.272	-0.29
586091	7/12/2014 0:00	-0.298	-0.289
586092	7/13/2014 0:00	-0.305	-0.289
586093	7/14/2014 0:00	-0.276	-0.291
586094	7/15/2014 0:00	-0.249	-0.292
586095	7/16/2014 0:00	-0.256	-0.293
586096	7/17/2014 0:00	-0.271	-0.292
586097	7/18/2014 0:00	-0.303	-0.291
586098	7/19/2014 0:00	-0.307	-0.291
586099	7/20/2014 0:00	-0.278	-0.292
586100	7/21/2014 0:00	-0.251	-0.294
586101	7/22/2014 0:00	-0.301	-0.294
586102	7/23/2014 0:00	-0.304	-0.292
586103	7/24/2014 0:00	-0.316	-0.293
586104	7/25/2014 0:00	-0.311	-0.294
586105	7/26/2014 0:00	-0.278	-0.295
586106	7/27/2014 0:00	-0.285	-0.297
586107	7/28/2014 0:00	-0.296	-0.297
586108	7/29/2014 0:00	-0.318	-0.298
586109	7/30/2014 0:00	-0.302	-0.299
586110	7/31/2014 0:00	-0.319	-0.301
586111	8/1/2014 0:00	-0.297	-0.303
586112	8/2/2014 0:00	-0.298	-0.305
586113	8/3/2014 0:00	-0.299	-0.305
586114	8/4/2014 0:00	-0.335	-0.305
586115	8/5/2014 0:00	-0.326	-0.306
586116	8/6/2014 0:00	-0.288	-0.308
586117	8/7/2014 0:00	-0.284	-0.308
586118	8/8/2014 0:00	-0.298	-0.309
586119	8/9/2014 0:00	-0.317	-0.31
586120	8/10/2014 0:00	-0.313	-0.309
586121	8/11/2014 0:00	-0.321	-0.312
586122	8/12/2014 0:00	-0.314	-0.313
586123	8/13/2014 0:00	-0.316	-0.313
586124	8/14/2014 0:00	-0.311	-0.312
586125	8/15/2014 0:00	-0.327	-0.313
586126	8/16/2014 0:00	-0.319	-0.312
586127	8/17/2014 0:00	-0.31	-0.312
586128	8/18/2014 0:00	-0.308	-0.312
586129	8/19/2014 0:00	-0.315	-0.312
586130	8/20/2014 0:00	-0.309	-0.311
586131	8/21/2014 0:00	-0.311	-0.311
586132	8/22/2014 0:00	-0.313	-0.313
586133	8/23/2014 0:00	-0.311	-0.314
586134	8/24/2014 0:00	-0.346	-0.315
586135	8/25/2014 0:00	-0.301	-0.315
586136	8/26/2014 0:00	-0.351	-0.316
586137	8/27/2014 0:00	-0.327	-0.315
586138	8/28/2014 0:00	-0.3	-0.316
586139	8/29/2014 0:00	-0.286	-0.315
586140	8/30/2014 0:00	-0.331	-0.315
586141	8/31/2014 0:00	-0.28	-0.315
586142	9/1/2014 0:00	-0.306	-0.316
586143	9/2/2014 0:00	-0.306	-0.317
586144	9/3/2014 0:00	-0.293	-0.317
586145	9/4/2014 0:00	-0.316	-0.317
586146	9/5/2014 0:00	-0.319	-0.318
586147	9/6/2014 0:00	-0.33	-0.319
586148	9/7/2014 0:00	-0.331	-0.319
586149	9/8/2014 0:00	-0.334	-0.32
586150	9/9/2014 0:00	-0.32	-0.319
586151	9/10/2014 0:00	-0.34	-0.321
586152	9/11/2014 0:00	-0.294	-0.321
586153	9/12/2014 0:00	-0.323	-0.321
586154	9/13/2014 0:00	-0.303	-0.322
586155	9/14/2014 0:00	-0.31	-0.324
586156	9/15/2014 0:00	-0.325	-0.324
586157	9/16/2014 0:00	-0.357	-0.326

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586158	9/17/2014 0:00	-0.322	-0.327
586159	9/18/2014 0:00	-0.317	-0.328
586160	9/19/2014 0:00	-0.318	-0.329
586161	9/20/2014 0:00	-0.335	-0.33
586162	9/21/2014 0:00	-0.338	-0.332
586163	9/22/2014 0:00	-0.335	-0.332
586164	9/23/2014 0:00	-0.325	-0.332
586165	9/24/2014 0:00	-0.318	-0.332
586166	9/25/2014 0:00	-0.372	-0.333
586167	9/26/2014 0:00	-0.35	-0.333
586168	9/27/2014 0:00	-0.317	-0.334
586169	9/28/2014 0:00	-0.344	-0.334
586170	9/29/2014 0:00	-0.323	-0.335
586171	9/30/2014 0:00	-0.349	-0.336
586172	10/1/2014 0:00	-0.342	-0.337
586173	10/2/2014 0:00	-0.333	-0.337
586174	10/3/2014 0:00	-0.338	-0.338
586175	10/4/2014 0:00	-0.332	-0.339
586176	10/5/2014 0:00	-0.349	-0.34
586177	10/6/2014 0:00	-0.359	-0.34
586178	10/7/2014 0:00	-0.331	-0.34
586179	10/8/2014 0:00	-0.334	-0.341
586180	10/9/2014 0:00	-0.35	-0.341
586181	10/10/2014 0:00	-0.335	-0.342
586182	10/11/2014 0:00	-0.348	-0.341
586183	10/12/2014 0:00	-0.324	-0.34
586184	10/13/2014 0:00	-0.327	-0.341
586185	10/14/2014 0:00	-0.343	-0.341
586186	10/15/2014 0:00	-0.339	-0.342
586187	10/16/2014 0:00	-0.345	-0.341
586188	10/17/2014 0:00	-0.345	-0.341
586189	10/18/2014 0:00	-0.369	-0.342
586190	10/19/2014 0:00	-0.339	-0.342
586191	10/20/2014 0:00	-0.351	-0.343
586192	10/21/2014 0:00	-0.324	-0.342
586193	10/22/2014 0:00	-0.358	-0.341
586194	10/23/2014 0:00	-0.345	-0.341
586195	10/24/2014 0:00	-0.341	-0.341
586196	10/25/2014 0:00	-0.348	-0.34
586197	10/26/2014 0:00	-0.341	-0.338
586198	10/27/2014 0:00	-0.324	-0.336
586199	10/28/2014 0:00	-0.33	-0.336
586200	10/29/2014 0:00	-0.351	-0.335
586201	10/30/2014 0:00	-0.354	-0.335
586202	10/31/2014 0:00	-0.317	-0.335
586203	11/1/2014 0:00	-0.344	-0.333
586204	11/2/2014 0:00	-0.355	-0.333
586205	11/3/2014 0:00	-0.359	-0.332
586206	11/4/2014 0:00	-0.358	-0.331
586207	11/5/2014 0:00	-0.324	-0.33
586208	11/6/2014 0:00	-0.319	-0.329
586209	11/7/2014 0:00	-0.324	-0.327
586210	11/8/2014 0:00	-0.334	-0.325
586211	11/9/2014 0:00	-0.321	-0.325
586212	11/10/2014 0:00	-0.281	-0.324
586213	11/11/2014 0:00	-0.275	-0.324
586214	11/12/2014 0:00	-0.317	-0.324
586215	11/13/2014 0:00	-0.313	-0.324
586216	11/14/2014 0:00	-0.341	-0.323
586217	11/15/2014 0:00	-0.323	-0.323
586218	11/16/2014 0:00	-0.293	-0.323
586219	11/17/2014 0:00	-0.348	-0.323
586220	11/18/2014 0:00	-0.327	-0.323
586221	11/19/2014 0:00	-0.325	-0.322
586222	11/20/2014 0:00	-0.323	-0.32
586223	11/21/2014 0:00	-0.296	-0.321
586224	11/22/2014 0:00	-0.276	-0.321
586225	11/23/2014 0:00	-0.286	-0.322
586226	11/24/2014 0:00	-0.334	-0.322
586227	11/25/2014 0:00	-0.335	-0.323
586228	11/26/2014 0:00	-0.333	-0.327
586229	11/27/2014 0:00	-0.334	-0.329
586230	11/28/2014 0:00	-0.338	-0.33
586231	11/29/2014 0:00	-0.314	-0.331

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586232	11/30/2014 0:00	-0.336	-0.33
586233	12/1/2014 0:00	-0.341	-0.331
586234	12/2/2014 0:00	-0.334	-0.332
586235	12/3/2014 0:00	-0.35	-0.333
586236	12/4/2014 0:00	-0.338	-0.334
586237	12/5/2014 0:00	-0.298	-0.335
586238	12/6/2014 0:00	-0.343	-0.336
586239	12/7/2014 0:00	-0.323	-0.338
586240	12/8/2014 0:00	-0.342	-0.341
586241	12/9/2014 0:00	-0.356	-0.343
586242	12/10/2014 0:00	-0.355	-0.342
586243	12/11/2014 0:00	-0.394	-0.343
586244	12/12/2014 0:00	-0.333	-0.344
586245	12/13/2014 0:00	-0.348	-0.345
586246	12/14/2014 0:00	-0.336	-0.345
586247	12/15/2014 0:00	-0.328	-0.346
586248	12/16/2014 0:00	-0.352	-0.347
586249	12/17/2014 0:00	-0.328	-0.346
586250	12/18/2014 0:00	-0.359	-0.347
586251	12/19/2014 0:00	-0.372	-0.348
586252	12/20/2014 0:00	-0.366	-0.349
586253	12/21/2014 0:00	-0.346	-0.351
586254	12/22/2014 0:00	-0.35	-0.352
586255	12/23/2014 0:00	-0.362	-0.353
586256	12/24/2014 0:00	-0.35	-0.353
586257	12/25/2014 0:00	-0.322	-0.353
586258	12/26/2014 0:00	-0.354	-0.353
586259	12/27/2014 0:00	-0.357	-0.352
586260	12/28/2014 0:00	-0.36	-0.352
586261	12/29/2014 0:00	-0.341	-0.353
586262	12/30/2014 0:00	-0.34	-0.355
586263	12/31/2014 0:00	-0.369	-0.357
586264	1/1/2015 0:00	-0.335	-0.358
586265	1/2/2015 0:00	-0.365	-0.359
586266	1/3/2015 0:00	-0.368	-0.359
586267	1/4/2015 0:00	-0.375	-0.359
586268	1/5/2015 0:00	-0.362	-0.359
586269	1/6/2015 0:00	-0.368	-0.36
586270	1/7/2015 0:00	-0.353	-0.361
586271	1/8/2015 0:00	-0.342	-0.361
586272	1/9/2015 0:00	-0.363	-0.361
586273	1/10/2015 0:00	-0.351	-0.362
586274	1/11/2015 0:00	-0.345	-0.363
586275	1/12/2015 0:00	-0.358	-0.363
586276	1/13/2015 0:00	-0.372	-0.363
586277	1/14/2015 0:00	-0.386	-0.364
586278	1/15/2015 0:00	-0.394	-0.366
586279	1/16/2015 0:00	-0.378	-0.367
586280	1/17/2015 0:00	-0.359	-0.368
586281	1/18/2015 0:00	-0.358	-0.369
586282	1/19/2015 0:00	-0.37	-0.369
586283	1/20/2015 0:00	-0.378	-0.369
586284	1/21/2015 0:00	-0.371	-0.369
586285	1/22/2015 0:00	-0.374	-0.37
586286	1/23/2015 0:00	-0.358	-0.371
586287	1/24/2015 0:00	-0.354	-0.371
586288	1/25/2015 0:00	-0.37	-0.371
586289	1/26/2015 0:00	-0.38	-0.372
586290	1/27/2015 0:00	-0.345	-0.373
586291	1/28/2015 0:00	-0.363	-0.374
586292	1/29/2015 0:00	-0.383	-0.374
586293	1/30/2015 0:00	-0.404	-0.373
586294	1/31/2015 0:00	-0.387	-0.372
586295	2/1/2015 0:00	-0.386	-0.372
586296	2/2/2015 0:00	-0.374	-0.373
586297	2/3/2015 0:00	-0.369	-0.374
586298	2/4/2015 0:00	-0.378	-0.374
586299	2/5/2015 0:00	-0.369	-0.373
586300	2/6/2015 0:00	-0.393	-0.374
586301	2/7/2015 0:00	-0.375	-0.374
586302	2/8/2015 0:00	-0.346	-0.373
586303	2/9/2015 0:00	-0.362	-0.375
586304	2/10/2015 0:00	-0.381	-0.375
586305	2/11/2015 0:00	-0.39	-0.375

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586306	2/12/2015 0:00	-0.38	-0.376
586307	2/13/2015 0:00	-0.372	-0.375
586308	2/14/2015 0:00	-0.374	-0.375
586309	2/15/2015 0:00	-0.362	-0.374
586310	2/16/2015 0:00	-0.38	-0.374
586311	2/17/2015 0:00	-0.379	-0.373
586312	2/18/2015 0:00	-0.384	-0.373
586313	2/19/2015 0:00	-0.379	-0.374
586314	2/20/2015 0:00	-0.356	-0.373
586315	2/21/2015 0:00	-0.388	-0.375
586316	2/22/2015 0:00	-0.361	-0.374
586317	2/23/2015 0:00	-0.347	-0.374
586318	2/24/2015 0:00	-0.4	-0.374
586319	2/25/2015 0:00	-0.381	-0.374
586320	2/26/2015 0:00	-0.386	-0.373
586321	2/27/2015 0:00	-0.377	-0.372
586322	2/28/2015 0:00	-0.329	-0.372
586323	3/1/2015 0:00	-0.374	-0.372
586324	3/2/2015 0:00	-0.381	-0.372
586325	3/3/2015 0:00	-0.377	-0.373
586326	3/4/2015 0:00	-0.359	-0.373
586327	3/5/2015 0:00	-0.388	-0.373
586328	3/6/2015 0:00	-0.392	-0.372
586329	3/7/2015 0:00	-0.35	-0.372
586330	3/8/2015 0:00	-0.422	-0.373
586331	3/9/2015 0:00	-0.365	-0.371
586332	3/10/2015 0:00	-0.359	-0.371
586333	3/11/2015 0:00	-0.365	-0.372
586334	3/12/2015 0:00	-0.343	-0.373
586335	3/13/2015 0:00	-0.357	-0.372
586336	3/14/2015 0:00	-0.363	-0.371
586337	3/15/2015 0:00	-0.373	-0.371
586338	3/16/2015 0:00	-0.373	-0.373
586339	3/17/2015 0:00	-0.37	-0.372
586340	3/18/2015 0:00	-0.399	-0.373
586341	3/19/2015 0:00	-0.385	-0.372
586342	3/20/2015 0:00	-0.378	-0.373
586343	3/21/2015 0:00	-0.367	-0.373
586344	3/22/2015 0:00	-0.363	-0.372
586345	3/23/2015 0:00	-0.373	-0.374
586346	3/24/2015 0:00	-0.35	-0.371
586347	3/25/2015 0:00	-0.352	-0.372
586348	3/26/2015 0:00	-0.387	-0.373
586349	3/27/2015 0:00	-0.409	-0.373
586350	3/28/2015 0:00	-0.373	-0.373
586351	3/29/2015 0:00	-0.356	-0.375
586352	3/30/2015 0:00	-0.38	-0.375
586353	3/31/2015 0:00	-0.387	-0.374
586354	4/1/2015 0:00	-0.347	-0.374
586355	4/2/2015 0:00	-0.386	-0.374
586356	4/3/2015 0:00	-0.361	-0.374
586357	4/4/2015 0:00	-0.383	-0.373
586358	4/5/2015 0:00	-0.392	-0.373
586359	4/6/2015 0:00	-0.372	-0.373
586360	4/7/2015 0:00	-0.393	-0.374
586361	4/8/2015 0:00	-0.352	-0.374
586362	4/9/2015 0:00	-0.372	-0.375
586363	4/10/2015 0:00	-0.393	-0.376
586364	4/11/2015 0:00	-0.361	-0.377
586365	4/12/2015 0:00	-0.364	-0.376
586366	4/13/2015 0:00	-0.398	-0.378
586367	4/14/2015 0:00	-0.379	-0.378
586368	4/15/2015 0:00	-0.348	-0.378
586369	4/16/2015 0:00	-0.375	-0.378
586370	4/17/2015 0:00	-0.345	-0.38
586371	4/18/2015 0:00	-0.4	-0.381
586372	4/19/2015 0:00	-0.38	-0.383
586373	4/20/2015 0:00	-0.359	-0.383
586374	4/21/2015 0:00	-0.387	-0.383
586375	4/22/2015 0:00	-0.377	-0.384
586376	4/23/2015 0:00	-0.383	-0.384
586377	4/24/2015 0:00	-0.388	-0.385
586378	4/25/2015 0:00	-0.371	-0.387
586379	4/26/2015 0:00	-0.409	-0.387

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586380	4/27/2015 0:00	-0.391	-0.388
586381	4/28/2015 0:00	-0.425	-0.39
586382	4/29/2015 0:00	-0.375	-0.39
586383	4/30/2015 0:00	-0.377	-0.391
586384	5/1/2015 0:00	-0.377	-0.393
586385	5/2/2015 0:00	-0.412	-0.394
586386	5/3/2015 0:00	-0.414	-0.396
586387	5/4/2015 0:00	-0.408	-0.396
586388	5/5/2015 0:00	-0.406	-0.396
586389	5/6/2015 0:00	-0.384	-0.398
586390	5/7/2015 0:00	-0.4	-0.398
586391	5/8/2015 0:00	-0.378	-0.4
586392	5/9/2015 0:00	-0.408	-0.401
586393	5/10/2015 0:00	-0.413	-0.401
586394	5/11/2015 0:00	-0.398	-0.403
586395	5/12/2015 0:00	-0.408	-0.406
586396	5/13/2015 0:00	-0.415	-0.408
586397	5/14/2015 0:00	-0.413	-0.41
586398	5/15/2015 0:00	-0.395	-0.413
586399	5/16/2015 0:00	-0.401	-0.416
586400	5/17/2015 0:00	-0.416	-0.419
586401	5/18/2015 0:00	-0.407	-0.422
586402	5/19/2015 0:00	-0.387	-0.424
586403	5/20/2015 0:00	-0.404	-0.425
586404	5/21/2015 0:00	-0.394	-0.427
586405	5/22/2015 0:00	-0.41	-0.43
586406	5/23/2015 0:00	-0.428	-0.432
586407	5/24/2015 0:00	-0.409	-0.436
586408	5/25/2015 0:00	-0.397	-0.439
586409	5/26/2015 0:00	-0.445	-0.441
586410	5/27/2015 0:00	-0.477	-0.443
586411	5/28/2015 0:00	-0.477	-0.445
586412	5/29/2015 0:00	-0.465	-0.446
586413	5/30/2015 0:00	-0.476	-0.449
586414	5/31/2015 0:00	-0.47	-0.451
586415	6/1/2015 0:00	-0.488	-0.453
586416	6/2/2015 0:00	-0.483	-0.455
586417	6/3/2015 0:00	-0.475	-0.457
586418	6/4/2015 0:00	-0.462	-0.46
586419	6/5/2015 0:00	-0.467	-0.462
586420	6/6/2015 0:00	-0.472	-0.464
586421	6/7/2015 0:00	-0.469	-0.466
586422	6/8/2015 0:00	-0.494	-0.467
586423	6/9/2015 0:00	-0.49	-0.469
586424	6/10/2015 0:00	-0.468	-0.471
586425	6/11/2015 0:00	-0.46	-0.473
586426	6/12/2015 0:00	-0.479	-0.473
586427	6/13/2015 0:00	-0.459	-0.473
586428	6/14/2015 0:00	-0.484	-0.473
586429	6/15/2015 0:00	-0.468	-0.473
586430	6/16/2015 0:00	-0.479	-0.473
586431	6/17/2015 0:00	-0.475	-0.472
586432	6/18/2015 0:00	-0.464	-0.471
586433	6/19/2015 0:00	-0.482	-0.471
586434	6/20/2015 0:00	-0.452	-0.471
586435	6/21/2015 0:00	-0.456	-0.471
586436	6/22/2015 0:00	-0.467	-0.471
586437	6/23/2015 0:00	-0.462	-0.47
586438	6/24/2015 0:00	-0.476	-0.469
586439	6/25/2015 0:00	-0.474	-0.467
586440	6/26/2015 0:00	-0.482	-0.467
586441	6/27/2015 0:00	-0.477	-0.467
586442	6/28/2015 0:00	-0.483	-0.466
586443	6/29/2015 0:00	-0.466	-0.466
586444	6/30/2015 0:00	-0.466	-0.465
586445	7/1/2015 0:00	-0.474	-0.465
586446	7/2/2015 0:00	-0.452	-0.464
586447	7/3/2015 0:00	-0.463	-0.465
586448	7/4/2015 0:00	-0.481	-0.465
586449	7/5/2015 0:00	-0.465	-0.464
586450	7/6/2015 0:00	-0.471	-0.464
586451	7/7/2015 0:00	-0.448	-0.464
586452	7/8/2015 0:00	-0.467	-0.464
586453	7/9/2015 0:00	-0.449	-0.464

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586454	7/10/2015 0:00	-0.437	-0.464
586455	7/11/2015 0:00	-0.46	-0.463
586456	7/12/2015 0:00	-0.463	-0.463
586457	7/13/2015 0:00	-0.441	-0.462
586458	7/14/2015 0:00	-0.451	-0.462
586459	7/15/2015 0:00	-0.465	-0.462
586460	7/16/2015 0:00	-0.457	-0.462
586461	7/17/2015 0:00	-0.471	-0.461
586462	7/18/2015 0:00	-0.489	-0.462
586463	7/19/2015 0:00	-0.455	-0.461
586464	7/20/2015 0:00	-0.465	-0.46
586465	7/21/2015 0:00	-0.447	-0.46
586466	7/22/2015 0:00	-0.471	-0.459
586467	7/23/2015 0:00	-0.459	-0.46
586468	7/24/2015 0:00	-0.467	-0.459
586469	7/25/2015 0:00	-0.458	-0.46
586470	7/26/2015 0:00	-0.465	-0.461
586471	7/27/2015 0:00	-0.473	-0.461
586472	7/28/2015 0:00	-0.452	-0.462
586473	7/29/2015 0:00	-0.464	-0.463
586474	7/30/2015 0:00	-0.468	-0.463
586475	7/31/2015 0:00	-0.468	-0.463
586476	8/1/2015 0:00	-0.456	-0.462
586477	8/2/2015 0:00	-0.469	-0.463
586478	8/3/2015 0:00	-0.444	-0.462
586479	8/4/2015 0:00	-0.443	-0.462
586480	8/5/2015 0:00	-0.453	-0.461
586481	8/6/2015 0:00	-0.467	-0.462
586482	8/7/2015 0:00	-0.453	-0.463
586483	8/8/2015 0:00	-0.46	-0.464
586484	8/9/2015 0:00	-0.463	-0.465
586485	8/10/2015 0:00	-0.471	-0.466
586486	8/11/2015 0:00	-0.469	-0.467
586487	8/12/2015 0:00	-0.484	-0.468
586488	8/13/2015 0:00	-0.473	-0.468
586489	8/14/2015 0:00	-0.462	-0.469
586490	8/15/2015 0:00	-0.455	-0.468
586491	8/16/2015 0:00	-0.44	-0.469
586492	8/17/2015 0:00	-0.477	-0.469
586493	8/18/2015 0:00	-0.474	-0.469
586494	8/19/2015 0:00	-0.451	-0.471
586495	8/20/2015 0:00	-0.45	-0.472
586496	8/21/2015 0:00	-0.45	-0.473
586497	8/22/2015 0:00	-0.507	-0.474
586498	8/23/2015 0:00	-0.49	-0.475
586499	8/24/2015 0:00	-0.496	-0.476
586500	8/25/2015 0:00	-0.508	-0.476
586501	8/26/2015 0:00	-0.499	-0.476
586502	8/27/2015 0:00	-0.495	-0.476
586503	8/28/2015 0:00	-0.461	-0.476
586504	8/29/2015 0:00	-0.472	-0.477
586505	8/30/2015 0:00	-0.463	-0.477
586506	8/31/2015 0:00	-0.472	-0.478
586507	9/1/2015 0:00	-0.46	-0.479
586508	9/2/2015 0:00	-0.491	-0.479
586509	9/3/2015 0:00	-0.478	-0.479
586510	9/4/2015 0:00	-0.48	-0.48
586511	9/5/2015 0:00	-0.496	-0.481
586512	9/6/2015 0:00	-0.487	-0.481
586513	9/7/2015 0:00	-0.483	-0.48
586514	9/8/2015 0:00	-0.49	-0.481
586515	9/9/2015 0:00	-0.472	-0.482
586516	9/10/2015 0:00	-0.468	-0.481
586517	9/11/2015 0:00	-0.48	-0.482
586518	9/12/2015 0:00	-0.483	-0.482
586519	9/13/2015 0:00	-0.488	-0.483
586520	9/14/2015 0:00	-0.48	-0.484
586521	9/15/2015 0:00	-0.467	-0.484
586522	9/16/2015 0:00	-0.486	-0.484
586523	9/17/2015 0:00	-0.487	-0.484
586524	9/18/2015 0:00	-0.473	-0.485
586525	9/19/2015 0:00	-0.469	-0.485
586526	9/20/2015 0:00	-0.488	-0.485
586527	9/21/2015 0:00	-0.453	-0.485



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586528	9/22/2015 0:00	-0.48	-0.485
586529	9/23/2015 0:00	-0.513	-0.486
586530	9/24/2015 0:00	-0.508	-0.486
586531	9/25/2015 0:00	-0.487	-0.486
586532	9/26/2015 0:00	-0.521	-0.487
586533	9/27/2015 0:00	-0.504	-0.487
586534	9/28/2015 0:00	-0.497	-0.488
586535	9/29/2015 0:00	-0.487	-0.488
586536	9/30/2015 0:00	-0.464	-0.488
586537	10/1/2015 0:00	-0.474	-0.489
586538	10/2/2015 0:00	-0.476	-0.489
586539	10/3/2015 0:00	-0.505	-0.488
586540	10/4/2015 0:00	-0.481	-0.488
586541	10/5/2015 0:00	-0.494	-0.489
586542	10/6/2015 0:00	-0.492	-0.489
586543	10/7/2015 0:00	-0.497	-0.49
586544	10/8/2015 0:00	-0.494	-0.49
586545	10/9/2015 0:00	-0.497	-0.49
586546	10/10/2015 0:00	-0.483	-0.49
586547	10/11/2015 0:00	-0.496	-0.491
586548	10/12/2015 0:00	-0.486	-0.49
586549	10/13/2015 0:00	-0.501	-0.489
586550	10/14/2015 0:00	-0.483	-0.488
586551	10/15/2015 0:00	-0.476	-0.488
586552	10/16/2015 0:00	-0.5	-0.489
586553	10/17/2015 0:00	-0.481	-0.49
586554	10/18/2015 0:00	-0.471	-0.491
586555	10/19/2015 0:00	-0.477	-0.491
586556	10/20/2015 0:00	-0.488	-0.491
586557	10/21/2015 0:00	-0.501	-0.491
586558	10/22/2015 0:00	-0.477	-0.492
586559	10/23/2015 0:00	-0.49	-0.493
586560	10/24/2015 0:00	-0.505	-0.493
586561	10/25/2015 0:00	-0.503	-0.493
586562	10/26/2015 0:00	-0.511	-0.493
586563	10/27/2015 0:00	-0.499	-0.493
586564	10/28/2015 0:00	-0.472	-0.493
586565	10/29/2015 0:00	-0.46	-0.493
586566	10/30/2015 0:00	-0.49	-0.494
586567	10/31/2015 0:00	-0.493	-0.495
586568	11/1/2015 0:00	-0.503	-0.494
586569	11/2/2015 0:00	-0.509	-0.495
586570	11/3/2015 0:00	-0.498	-0.495
586571	11/4/2015 0:00	-0.492	-0.496
586572	11/5/2015 0:00	-0.504	-0.496
586573	11/6/2015 0:00	-0.521	-0.497
586574	11/7/2015 0:00	-0.511	-0.497
586575	11/8/2015 0:00	-0.493	-0.497
586576	11/9/2015 0:00	-0.498	-0.497
586577	11/10/2015 0:00	-0.504	-0.496
586578	11/11/2015 0:00	-0.498	-0.496
586579	11/12/2015 0:00	-0.49	-0.497
586580	11/13/2015 0:00	-0.499	-0.499
586581	11/14/2015 0:00	-0.497	-0.501
586582	11/15/2015 0:00	-0.504	-0.501
586583	11/16/2015 0:00	-0.486	-0.502
586584	11/17/2015 0:00	-0.492	-0.502
586585	11/18/2015 0:00	-0.496	-0.502
586586	11/19/2015 0:00	-0.489	-0.502
586587	11/20/2015 0:00	-0.508	-0.503
586588	11/21/2015 0:00	-0.519	-0.503
586589	11/22/2015 0:00	-0.484	-0.503
586590	11/23/2015 0:00	-0.481	-0.503
586591	11/24/2015 0:00	-0.498	-0.504
586592	11/25/2015 0:00	-0.476	-0.504
586593	11/26/2015 0:00	-0.529	-0.503
586594	11/27/2015 0:00	-0.53	-0.503
586595	11/28/2015 0:00	-0.51	-0.503
586596	11/29/2015 0:00	-0.515	-0.503
586597	11/30/2015 0:00	-0.507	-0.503
586598	12/1/2015 0:00	-0.528	-0.503
586599	12/2/2015 0:00	-0.507	-0.504
586600	12/3/2015 0:00	-0.502	-0.504
586601	12/4/2015 0:00	-0.498	-0.505

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586602	12/5/2015 0:00	-0.51	-0.506
586603	12/6/2015 0:00	-0.526	-0.506
586604	12/7/2015 0:00	-0.512	-0.505
586605	12/8/2015 0:00	-0.505	-0.505
586606	12/9/2015 0:00	-0.514	-0.506
586607	12/10/2015 0:00	-0.499	-0.505
586608	12/11/2015 0:00	-0.476	-0.508
586609	12/12/2015 0:00	-0.499	-0.508
586610	12/13/2015 0:00	-0.51	-0.507
586611	12/14/2015 0:00	-0.49	-0.506
586612	12/15/2015 0:00	-0.507	-0.506
586613	12/16/2015 0:00	-0.482	-0.507
586614	12/17/2015 0:00	-0.509	-0.506
586615	12/18/2015 0:00	-0.519	-0.506
586616	12/19/2015 0:00	-0.5	-0.507
586617	12/20/2015 0:00	-0.526	-0.507
586618	12/21/2015 0:00	-0.515	-0.506
586619	12/22/2015 0:00	-0.5	-0.506
586620	12/23/2015 0:00	-0.486	-0.506
586621	12/24/2015 0:00	-0.496	-0.506
586622	12/25/2015 0:00	-0.485	-0.507
586623	12/26/2015 0:00	-0.56	-0.507
586624	12/27/2015 0:00	-0.513	-0.508
586625	12/28/2015 0:00	-0.508	-0.51
586626	12/29/2015 0:00	-0.495	-0.51
586627	12/30/2015 0:00	-0.506	-0.511
586628	12/31/2015 0:00	-0.529	-0.511
586629	1/1/2016 0:00	-0.502	-0.511
586630	1/2/2016 0:00	-0.503	-0.512
586631	1/3/2016 0:00	-0.521	-0.512
586632	1/4/2016 0:00	-0.498	-0.513
586633	1/5/2016 0:00	-0.493	-0.513
586634	1/6/2016 0:00	-0.527	-0.513
586635	1/7/2016 0:00	-0.514	-0.514
586636	1/8/2016 0:00	-0.509	-0.515
586637	1/9/2016 0:00	-0.532	-0.516
586638	1/10/2016 0:00	-0.498	-0.517
586639	1/11/2016 0:00	-0.527	-0.515
586640	1/12/2016 0:00	-0.557	-0.516
586641	1/13/2016 0:00	-0.513	-0.516
586642	1/14/2016 0:00	-0.5	-0.516
586643	1/15/2016 0:00	-0.512	-0.515
586644	1/16/2016 0:00	-0.5	-0.514
586645	1/17/2016 0:00	-0.538	-0.514
586646	1/18/2016 0:00	-0.513	-0.515
586647	1/19/2016 0:00	-0.532	-0.515
586648	1/20/2016 0:00	-0.527	-0.516
586649	1/21/2016 0:00	-0.515	-0.517
586650	1/22/2016 0:00	-0.517	-0.517
586651	1/23/2016 0:00	-0.522	-0.518
586652	1/24/2016 0:00	-0.535	-0.519
586653	1/25/2016 0:00	-0.502	-0.518
586654	1/26/2016 0:00	-0.508	-0.519
586655	1/27/2016 0:00	-0.528	-0.519
586656	1/28/2016 0:00	-0.534	-0.518
586657	1/29/2016 0:00	-0.497	-0.518
586658	1/30/2016 0:00	-0.477	-0.518
586659	1/31/2016 0:00	-0.482	-0.518
586660	2/1/2016 0:00	-0.513	-0.518
586661	2/2/2016 0:00	-0.509	-0.516
586662	2/3/2016 0:00	-0.538	-0.516
586663	2/4/2016 0:00	-0.524	-0.515
586664	2/5/2016 0:00	-0.533	-0.515
586665	2/6/2016 0:00	-0.518	-0.514
586666	2/7/2016 0:00	-0.54	-0.515
586667	2/8/2016 0:00	-0.539	-0.514
586668	2/9/2016 0:00	-0.522	-0.514
586669	2/10/2016 0:00	-0.531	-0.515
586670	2/11/2016 0:00	-0.515	-0.515
586671	2/12/2016 0:00	-0.519	-0.515
586672	2/13/2016 0:00	-0.522	-0.515
586673	2/14/2016 0:00	-0.503	-0.516
586674	2/15/2016 0:00	-0.502	-0.517
586675	2/16/2016 0:00	-0.508	-0.518

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586676	2/17/2016 0:00	-0.483	-0.518
586677	2/18/2016 0:00	-0.492	-0.518
586678	2/19/2016 0:00	-0.512	-0.518
586679	2/20/2016 0:00	-0.513	-0.517
586680	2/21/2016 0:00	-0.513	-0.517
586681	2/22/2016 0:00	-0.533	-0.517
586682	2/23/2016 0:00	-0.498	-0.517
586683	2/24/2016 0:00	-0.527	-0.517
586684	2/25/2016 0:00	-0.522	-0.517
586685	2/26/2016 0:00	-0.522	-0.516
586686	2/27/2016 0:00	-0.532	-0.516
586687	2/28/2016 0:00	-0.533	-0.516
586688	2/29/2016 0:00	-0.516	-0.516
586689	3/1/2016 0:00	-0.499	-0.516
586690	3/2/2016 0:00	-0.526	-0.517
586691	3/3/2016 0:00	-0.511	-0.517
586692	3/4/2016 0:00	-0.517	-0.518
586693	3/5/2016 0:00	-0.525	-0.519
586694	3/6/2016 0:00	-0.512	-0.52
586695	3/7/2016 0:00	-0.528	-0.52
586696	3/8/2016 0:00	-0.513	-0.52
586697	3/9/2016 0:00	-0.541	-0.52
586698	3/10/2016 0:00	-0.529	-0.52
586699	3/11/2016 0:00	-0.523	-0.52
586700	3/12/2016 0:00	-0.508	-0.52
586701	3/13/2016 0:00	-0.518	-0.52
586702	3/14/2016 0:00	-0.503	-0.52
586703	3/15/2016 0:00	-0.532	-0.52
586704	3/16/2016 0:00	-0.498	-0.52
586705	3/17/2016 0:00	-0.525	-0.52
586706	3/18/2016 0:00	-0.518	-0.521
586707	3/19/2016 0:00	-0.523	-0.521
586708	3/20/2016 0:00	-0.532	-0.521
586709	3/21/2016 0:00	-0.519	-0.522
586710	3/22/2016 0:00	-0.51	-0.522
586711	3/23/2016 0:00	-0.531	-0.523
586712	3/24/2016 0:00	-0.541	-0.523
586713	3/25/2016 0:00	-0.492	-0.523
586714	3/26/2016 0:00	-0.519	-0.522
586715	3/27/2016 0:00	-0.525	-0.522
586716	3/28/2016 0:00	-0.534	-0.523
586717	3/29/2016 0:00	-0.505	-0.524
586718	3/30/2016 0:00	-0.539	-0.525
586719	3/31/2016 0:00	-0.535	-0.525
586720	4/1/2016 0:00	-0.503	-0.526
586721	4/2/2016 0:00	-0.544	-0.527
586722	4/3/2016 0:00	-0.52	-0.527
586723	4/4/2016 0:00	-0.516	-0.527
586724	4/5/2016 0:00	-0.551	-0.527
586725	4/6/2016 0:00	-0.518	-0.528
586726	4/7/2016 0:00	-0.541	-0.529
586727	4/8/2016 0:00	-0.533	-0.528
586728	4/9/2016 0:00	-0.52	-0.527
586729	4/10/2016 0:00	-0.508	-0.528
586730	4/11/2016 0:00	-0.535	-0.528
586731	4/12/2016 0:00	-0.533	-0.529
586732	4/13/2016 0:00	-0.531	-0.528
586733	4/14/2016 0:00	-0.533	-0.529
586734	4/15/2016 0:00	-0.529	-0.529
586735	4/16/2016 0:00	-0.55	-0.529
586736	4/17/2016 0:00	-0.538	-0.53
586737	4/18/2016 0:00	-0.527	-0.529
586738	4/19/2016 0:00	-0.533	-0.53
586739	4/20/2016 0:00	-0.541	-0.53
586740	4/21/2016 0:00	-0.545	-0.529
586741	4/22/2016 0:00	-0.526	-0.529
586742	4/23/2016 0:00	-0.514	-0.528
586743	4/24/2016 0:00	-0.513	-0.528
586744	4/25/2016 0:00	-0.527	-0.528
586745	4/26/2016 0:00	-0.517	-0.529
586746	4/27/2016 0:00	-0.543	-0.529
586747	4/28/2016 0:00	-0.491	-0.529
586748	4/29/2016 0:00	-0.539	-0.528
586749	4/30/2016 0:00	-0.545	-0.528

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586750	5/1/2016 0:00	-0.528	-0.527
586751	5/2/2016 0:00	-0.537	-0.526
586752	5/3/2016 0:00	-0.523	-0.526
586753	5/4/2016 0:00	-0.534	-0.526
586754	5/5/2016 0:00	-0.519	-0.525
586755	5/6/2016 0:00	-0.522	-0.525
586756	5/7/2016 0:00	-0.524	-0.525
586757	5/8/2016 0:00	-0.527	-0.525
586758	5/9/2016 0:00	-0.52	-0.526
586759	5/10/2016 0:00	-0.528	-0.526
586760	5/11/2016 0:00	-0.542	-0.525
586761	5/12/2016 0:00	-0.53	-0.526
586762	5/13/2016 0:00	-0.518	-0.525
586763	5/14/2016 0:00	-0.513	-0.527
586764	5/15/2016 0:00	-0.518	-0.527
586765	5/16/2016 0:00	-0.514	-0.527
586766	5/17/2016 0:00	-0.517	-0.527
586767	5/18/2016 0:00	-0.541	-0.528
586768	5/19/2016 0:00	-0.518	-0.528
586769	5/20/2016 0:00	-0.494	-0.528
586770	5/21/2016 0:00	-0.547	-0.528
586771	5/22/2016 0:00	-0.535	-0.528
586772	5/23/2016 0:00	-0.546	-0.529
586773	5/24/2016 0:00	-0.529	-0.529
586774	5/25/2016 0:00	-0.518	-0.529
586775	5/26/2016 0:00	-0.513	-0.529
586776	5/27/2016 0:00	-0.525	-0.528
586777	5/28/2016 0:00	-0.531	-0.528
586778	5/29/2016 0:00	-0.554	-0.528
586779	5/30/2016 0:00	-0.538	-0.528
586780	5/31/2016 0:00	-0.531	-0.529
586781	6/1/2016 0:00	-0.546	-0.529
586782	6/2/2016 0:00	-0.55	-0.529
586783	6/3/2016 0:00	-0.536	-0.529
586784	6/4/2016 0:00	-0.534	-0.529
586785	6/5/2016 0:00	-0.52	-0.53
586786	6/6/2016 0:00	-0.527	-0.529
586787	6/7/2016 0:00	-0.529	-0.529
586788	6/8/2016 0:00	-0.532	-0.528
586789	6/9/2016 0:00	-0.528	-0.527
586790	6/10/2016 0:00	-0.513	-0.527
586791	6/11/2016 0:00	-0.527	-0.528
586792	6/12/2016 0:00	-0.525	-0.528
586793	6/13/2016 0:00	-0.533	-0.528
586794	6/14/2016 0:00	-0.507	-0.526
586795	6/15/2016 0:00	-0.527	-0.526
586796	6/16/2016 0:00	-0.519	-0.526
586797	6/17/2016 0:00	-0.527	-0.525
586798	6/18/2016 0:00	-0.524	-0.526
586799	6/19/2016 0:00	-0.531	-0.525
586800	6/20/2016 0:00	-0.518	-0.524
586801	6/21/2016 0:00	-0.52	-0.525
586802	6/22/2016 0:00	-0.527	-0.525
586803	6/23/2016 0:00	-0.53	-0.525
586804	6/24/2016 0:00	-0.51	-0.525
586805	6/25/2016 0:00	-0.512	-0.526
586806	6/26/2016 0:00	-0.531	-0.526
586807	6/27/2016 0:00	-0.536	-0.525
586808	6/28/2016 0:00	-0.511	-0.526
586809	6/29/2016 0:00	-0.521	-0.526
586810	6/30/2016 0:00	-0.52	-0.527
586811	7/1/2016 0:00	-0.531	-0.527
586812	7/2/2016 0:00	-0.533	-0.528
586813	7/3/2016 0:00	-0.554	-0.528
586814	7/4/2016 0:00	-0.515	-0.529
586815	7/5/2016 0:00	-0.52	-0.529
586816	7/6/2016 0:00	-0.528	-0.53
586817	7/7/2016 0:00	-0.527	-0.53
586818	7/8/2016 0:00	-0.547	-0.53
586819	7/9/2016 0:00	-0.535	-0.531
586820	7/10/2016 0:00	-0.534	-0.532
586821	7/11/2016 0:00	-0.517	-0.532
586822	7/12/2016 0:00	-0.514	-0.533
586823	7/13/2016 0:00	-0.534	-0.532

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586824	7/14/2016 0:00	-0.545	-0.532
586825	7/15/2016 0:00	-0.543	-0.532
586826	7/16/2016 0:00	-0.529	-0.532
586827	7/17/2016 0:00	-0.538	-0.533
586828	7/18/2016 0:00	-0.527	-0.533
586829	7/19/2016 0:00	-0.547	-0.532
586830	7/20/2016 0:00	-0.55	-0.533
586831	7/21/2016 0:00	-0.54	-0.533
586832	7/22/2016 0:00	-0.525	-0.533
586833	7/23/2016 0:00	-0.538	-0.533
586834	7/24/2016 0:00	-0.537	-0.532
586835	7/25/2016 0:00	-0.537	-0.532
586836	7/26/2016 0:00	-0.543	-0.532
586837	7/27/2016 0:00	-0.533	-0.533
586838	7/28/2016 0:00	-0.507	-0.534
586839	7/29/2016 0:00	-0.536	-0.535
586840	7/30/2016 0:00	-0.511	-0.535
586841	7/31/2016 0:00	-0.518	-0.534
586842	8/1/2016 0:00	-0.548	-0.534
586843	8/2/2016 0:00	-0.541	-0.534
586844	8/3/2016 0:00	-0.529	-0.535
586845	8/4/2016 0:00	-0.544	-0.534
586846	8/5/2016 0:00	-0.511	-0.534
586847	8/6/2016 0:00	-0.533	-0.534
586848	8/7/2016 0:00	-0.521	-0.534
586849	8/8/2016 0:00	-0.531	-0.534
586850	8/9/2016 0:00	-0.528	-0.534
586851	8/10/2016 0:00	-0.527	-0.534
586852	8/11/2016 0:00	-0.549	-0.534
586853	8/12/2016 0:00	-0.562	-0.535
586854	8/13/2016 0:00	-0.546	-0.537
586855	8/14/2016 0:00	-0.54	-0.537
586856	8/15/2016 0:00	-0.531	-0.538
586857	8/16/2016 0:00	-0.532	-0.539
586858	8/17/2016 0:00	-0.536	-0.538
586859	8/18/2016 0:00	-0.543	-0.538
586860	8/19/2016 0:00	-0.537	-0.538
586861	8/20/2016 0:00	-0.537	-0.537
586862	8/21/2016 0:00	-0.531	-0.537
586863	8/22/2016 0:00	-0.528	-0.536
586864	8/23/2016 0:00	-0.532	-0.537
586865	8/24/2016 0:00	-0.549	-0.538
586866	8/25/2016 0:00	-0.547	-0.539
586867	8/26/2016 0:00	-0.542	-0.539
586868	8/27/2016 0:00	-0.558	-0.539
586869	8/28/2016 0:00	-0.554	-0.538
586870	8/29/2016 0:00	-0.554	-0.538
586871	8/30/2016 0:00	-0.547	-0.538
586872	8/31/2016 0:00	-0.54	-0.539
586873	9/1/2016 0:00	-0.52	-0.539
586874	9/2/2016 0:00	-0.532	-0.538
586875	9/3/2016 0:00	-0.533	-0.537
586876	9/4/2016 0:00	-0.514	-0.537
586877	9/5/2016 0:00	-0.517	-0.536
586878	9/6/2016 0:00	-0.506	-0.536
586879	9/7/2016 0:00	-0.544	-0.536
586880	9/8/2016 0:00	-0.569	-0.535
586881	9/9/2016 0:00	-0.536	-0.535
586882	9/10/2016 0:00	-0.548	-0.535
586883	9/11/2016 0:00	-0.558	-0.534
586884	9/12/2016 0:00	-0.531	-0.533
586885	9/13/2016 0:00	-0.539	-0.532
586886	9/14/2016 0:00	-0.541	-0.533
586887	9/15/2016 0:00	-0.549	-0.533
586888	9/16/2016 0:00	-0.54	-0.533
586889	9/17/2016 0:00	-0.509	-0.533
586890	9/18/2016 0:00	-0.518	-0.533
586891	9/19/2016 0:00	-0.51	-0.533
586892	9/20/2016 0:00	-0.524	-0.534
586893	9/21/2016 0:00	-0.528	-0.533
586894	9/22/2016 0:00	-0.517	-0.534
586895	9/23/2016 0:00	-0.526	-0.533
586896	9/24/2016 0:00	-0.526	-0.531
586897	9/25/2016 0:00	-0.543	-0.53

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586898	9/26/2016 0:00	-0.522	-0.53
586899	9/27/2016 0:00	-0.52	-0.529
586900	9/28/2016 0:00	-0.545	-0.529
586901	9/29/2016 0:00	-0.569	-0.528
586902	9/30/2016 0:00	-0.548	-0.528
586903	10/1/2016 0:00	-0.548	-0.528
586904	10/2/2016 0:00	-0.524	-0.527
586905	10/3/2016 0:00	-0.529	-0.527
586906	10/4/2016 0:00	-0.534	-0.528
586907	10/5/2016 0:00	-0.529	-0.529
586908	10/6/2016 0:00	-0.512	-0.53
586909	10/7/2016 0:00	-0.521	-0.53
586910	10/8/2016 0:00	-0.506	-0.53
586911	10/9/2016 0:00	-0.518	-0.532
586912	10/10/2016 0:00	-0.513	-0.533
586913	10/11/2016 0:00	-0.525	-0.534
586914	10/12/2016 0:00	-0.532	-0.534
586915	10/13/2016 0:00	-0.531	-0.535
586916	10/14/2016 0:00	-0.528	-0.535
586917	10/15/2016 0:00	-0.524	-0.534
586918	10/16/2016 0:00	-0.543	-0.534
586919	10/17/2016 0:00	-0.518	-0.534
586920	10/18/2016 0:00	-0.523	-0.534
586921	10/19/2016 0:00	-0.524	-0.535
586922	10/20/2016 0:00	-0.549	-0.536
586923	10/21/2016 0:00	-0.543	-0.537
586924	10/22/2016 0:00	-0.528	-0.538
586925	10/23/2016 0:00	-0.546	-0.54
586926	10/24/2016 0:00	-0.574	-0.541
586927	10/25/2016 0:00	-0.565	-0.542
586928	10/26/2016 0:00	-0.571	-0.543
586929	10/27/2016 0:00	-0.525	-0.544
586930	10/28/2016 0:00	-0.547	-0.544
586931	10/29/2016 0:00	-0.534	-0.545
586932	10/30/2016 0:00	-0.552	-0.546
586933	10/31/2016 0:00	-0.545	-0.547
586934	11/1/2016 0:00	-0.549	-0.547
586935	11/2/2016 0:00	-0.517	-0.548
586936	11/3/2016 0:00	-0.553	-0.549
586937	11/4/2016 0:00	-0.569	-0.55
586938	11/5/2016 0:00	-0.568	-0.549
586939	11/6/2016 0:00	-0.545	-0.549
586940	11/7/2016 0:00	-0.563	-0.55
586941	11/8/2016 0:00	-0.54	-0.55
586942	11/9/2016 0:00	-0.55	-0.549
586943	11/10/2016 0:00	-0.553	-0.549
586944	11/11/2016 0:00	-0.546	-0.548
586945	11/12/2016 0:00	-0.541	-0.549
586946	11/13/2016 0:00	-0.548	-0.549
586947	11/14/2016 0:00	-0.566	-0.549
586948	11/15/2016 0:00	-0.559	-0.55
586949	11/16/2016 0:00	-0.53	-0.55
586950	11/17/2016 0:00	-0.555	-0.551
586951	11/18/2016 0:00	-0.553	-0.552
586952	11/19/2016 0:00	-0.552	-0.552
586953	11/20/2016 0:00	-0.541	-0.552
586954	11/21/2016 0:00	-0.533	-0.552
586955	11/22/2016 0:00	-0.547	-0.553
586956	11/23/2016 0:00	-0.553	-0.553
586957	11/24/2016 0:00	-0.551	-0.553
586958	11/25/2016 0:00	-0.554	-0.554
586959	11/26/2016 0:00	-0.56	-0.553
586960	11/27/2016 0:00	-0.549	-0.553
586961	11/28/2016 0:00	-0.547	-0.553
586962	11/29/2016 0:00	-0.542	-0.554
586963	11/30/2016 0:00	-0.56	-0.553
586964	12/1/2016 0:00	-0.552	-0.553
586965	12/2/2016 0:00	-0.571	-0.554
586966	12/3/2016 0:00	-0.564	-0.554
586967	12/4/2016 0:00	-0.563	-0.554
586968	12/5/2016 0:00	-0.552	-0.554
586969	12/6/2016 0:00	-0.565	-0.555
586970	12/7/2016 0:00	-0.569	-0.555
586971	12/8/2016 0:00	-0.571	-0.556

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
586972	12/9/2016 0:00	-0.56	-0.556
586973	12/10/2016 0:00	-0.553	-0.556
586974	12/11/2016 0:00	-0.543	-0.556
586975	12/12/2016 0:00	-0.547	-0.556
586976	12/13/2016 0:00	-0.544	-0.556
586977	12/14/2016 0:00	-0.566	-0.557
586978	12/15/2016 0:00	-0.549	-0.557
586979	12/16/2016 0:00	-0.554	-0.557
586980	12/17/2016 0:00	-0.554	-0.557
586981	12/18/2016 0:00	-0.55	-0.557
586982	12/19/2016 0:00	-0.565	-0.557
586983	12/20/2016 0:00	-0.55	-0.556
586984	12/21/2016 0:00	-0.553	-0.557
586985	12/22/2016 0:00	-0.548	-0.557
586986	12/23/2016 0:00	-0.57	-0.558
586987	12/24/2016 0:00	-0.554	-0.558
586988	12/25/2016 0:00	-0.543	-0.559
586989	12/26/2016 0:00	-0.56	-0.559
586990	12/27/2016 0:00	-0.564	-0.559
586991	12/28/2016 0:00	-0.547	-0.56
586992	12/29/2016 0:00	-0.575	-0.561
586993	12/30/2016 0:00	-0.561	-0.562
586994	12/31/2016 0:00	-0.557	-0.562
586995	1/1/2017 0:00	-0.551	-0.563
586996	1/2/2017 0:00	-0.558	-0.564
586997	1/3/2017 0:00	-0.559	-0.564
586998	1/4/2017 0:00	-0.553	-0.564
586999	1/5/2017 0:00	-0.571	-0.564
587000	1/6/2017 0:00	-0.568	-0.564
587001	1/7/2017 0:00	-0.588	-0.566
587002	1/8/2017 0:00	-0.576	-0.566
587003	1/9/2017 0:00	-0.586	-0.566
587004	1/10/2017 0:00	-0.549	-0.567
587005	1/11/2017 0:00	-0.573	-0.569
587006	1/12/2017 0:00	-0.571	-0.57
587007	1/13/2017 0:00	-0.577	-0.572
587008	1/14/2017 0:00	-0.58	-0.573
587009	1/15/2017 0:00	-0.57	-0.574
587010	1/16/2017 0:00	-0.584	-0.574
587011	1/17/2017 0:00	-0.564	-0.576
587012	1/18/2017 0:00	-0.569	-0.576
587013	1/19/2017 0:00	-0.561	-0.578
587014	1/20/2017 0:00	-0.558	-0.579
587015	1/21/2017 0:00	-0.537	-0.579
587016	1/22/2017 0:00	-0.598	-0.579
587017	1/23/2017 0:00	-0.571	-0.579
587018	1/24/2017 0:00	-0.569	-0.58
587019	1/25/2017 0:00	-0.582	-0.58
587020	1/26/2017 0:00	-0.599	-0.581
587021	1/27/2017 0:00	-0.609	-0.581
587022	1/28/2017 0:00	-0.614	-0.583
587023	1/29/2017 0:00	-0.61	-0.584
587024	1/30/2017 0:00	-0.581	-0.585
587025	1/31/2017 0:00	-0.576	-0.585
587026	2/1/2017 0:00	-0.591	-0.585
587027	2/2/2017 0:00	-0.579	-0.586
587028	2/3/2017 0:00	-0.601	-0.586
587029	2/4/2017 0:00	-0.589	-0.587
587030	2/5/2017 0:00	-0.558	-0.59
587031	2/6/2017 0:00	-0.578	-0.591
587032	2/7/2017 0:00	-0.606	-0.591
587033	2/8/2017 0:00	-0.584	-0.593
587034	2/9/2017 0:00	-0.592	-0.594
587035	2/10/2017 0:00	-0.571	-0.594
587036	2/11/2017 0:00	-0.594	-0.593
587037	2/12/2017 0:00	-0.617	-0.592
587038	2/13/2017 0:00	-0.619	-0.592
587039	2/14/2017 0:00	-0.605	-0.592
587040	2/15/2017 0:00	-0.585	-0.593
587041	2/16/2017 0:00	-0.583	-0.594
587042	2/17/2017 0:00	-0.574	-0.593
587043	2/18/2017 0:00	-0.586	-0.594
587044	2/19/2017 0:00	-0.592	-0.593
587045	2/20/2017 0:00	-0.631	-0.593

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587046	2/21/2017 0:00	-0.589	-0.594
587047	2/22/2017 0:00	-0.604	-0.595
587048	2/23/2017 0:00	-0.611	-0.595
587049	2/24/2017 0:00	-0.597	-0.595
587050	2/25/2017 0:00	-0.586	-0.595
587051	2/26/2017 0:00	-0.577	-0.595
587052	2/27/2017 0:00	-0.586	-0.595
587053	2/28/2017 0:00	-0.601	-0.594
587054	3/1/2017 0:00	-0.607	-0.593
587055	3/2/2017 0:00	-0.604	-0.593
587056	3/3/2017 0:00	-0.604	-0.593
587057	3/4/2017 0:00	-0.577	-0.593
587058	3/5/2017 0:00	-0.6	-0.594
587059	3/6/2017 0:00	-0.573	-0.594
587060	3/7/2017 0:00	-0.592	-0.593
587061	3/8/2017 0:00	-0.595	-0.591
587062	3/9/2017 0:00	-0.592	-0.591
587063	3/10/2017 0:00	-0.615	-0.59
587064	3/11/2017 0:00	-0.598	-0.59
587065	3/12/2017 0:00	-0.581	-0.589
587066	3/13/2017 0:00	-0.582	-0.589
587067	3/14/2017 0:00	-0.58	-0.589
587068	3/15/2017 0:00	-0.587	-0.59
587069	3/16/2017 0:00	-0.589	-0.589
587070	3/17/2017 0:00	-0.604	-0.589
587071	3/18/2017 0:00	-0.601	-0.589
587072	3/19/2017 0:00	-0.583	-0.588
587073	3/20/2017 0:00	-0.588	-0.588
587074	3/21/2017 0:00	-0.581	-0.588
587075	3/22/2017 0:00	-0.567	-0.589
587076	3/23/2017 0:00	-0.566	-0.588
587077	3/24/2017 0:00	-0.585	-0.588
587078	3/25/2017 0:00	-0.594	-0.587
587079	3/26/2017 0:00	-0.593	-0.586
587080	3/27/2017 0:00	-0.585	-0.587
587081	3/28/2017 0:00	-0.584	-0.588
587082	3/29/2017 0:00	-0.576	-0.588
587083	3/30/2017 0:00	-0.595	-0.589
587084	3/31/2017 0:00	-0.581	-0.589
587085	4/1/2017 0:00	-0.599	-0.589
587086	4/2/2017 0:00	-0.599	-0.589
587087	4/3/2017 0:00	-0.586	-0.589
587088	4/4/2017 0:00	-0.592	-0.589
587089	4/5/2017 0:00	-0.596	-0.59
587090	4/6/2017 0:00	-0.603	-0.59
587091	4/7/2017 0:00	-0.563	-0.591
587092	4/8/2017 0:00	-0.575	-0.592
587093	4/9/2017 0:00	-0.575	-0.592
587094	4/10/2017 0:00	-0.591	-0.592
587095	4/11/2017 0:00	-0.602	-0.592
587096	4/12/2017 0:00	-0.616	-0.592
587097	4/13/2017 0:00	-0.589	-0.592
587098	4/14/2017 0:00	-0.604	-0.593
587099	4/15/2017 0:00	-0.598	-0.594
587100	4/16/2017 0:00	-0.595	-0.594
587101	4/17/2017 0:00	-0.604	-0.594
587102	4/18/2017 0:00	-0.584	-0.594
587103	4/19/2017 0:00	-0.587	-0.594
587104	4/20/2017 0:00	-0.609	-0.594
587105	4/21/2017 0:00	-0.588	-0.594
587106	4/22/2017 0:00	-0.603	-0.594
587107	4/23/2017 0:00	-0.61	-0.595
587108	4/24/2017 0:00	-0.58	-0.596
587109	4/25/2017 0:00	-0.586	-0.597
587110	4/26/2017 0:00	-0.594	-0.598
587111	4/27/2017 0:00	-0.595	-0.598
587112	4/28/2017 0:00	-0.582	-0.597
587113	4/29/2017 0:00	-0.605	-0.597
587114	4/30/2017 0:00	-0.605	-0.596
587115	5/1/2017 0:00	-0.595	-0.596
587116	5/2/2017 0:00	-0.587	-0.596
587117	5/3/2017 0:00	-0.601	-0.595
587118	5/4/2017 0:00	-0.608	-0.596
587119	5/5/2017 0:00	-0.585	-0.596



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587120	5/6/2017 0:00	-0.591	-0.595
587121	5/7/2017 0:00	-0.599	-0.595
587122	5/8/2017 0:00	-0.607	-0.594
587123	5/9/2017 0:00	-0.603	-0.594
587124	5/10/2017 0:00	-0.596	-0.593
587125	5/11/2017 0:00	-0.62	-0.593
587126	5/12/2017 0:00	-0.606	-0.592
587127	5/13/2017 0:00	-0.588	-0.592
587128	5/14/2017 0:00	-0.603	-0.592
587129	5/15/2017 0:00	-0.571	-0.591
587130	5/16/2017 0:00	-0.586	-0.59
587131	5/17/2017 0:00	-0.582	-0.589
587132	5/18/2017 0:00	-0.592	-0.589
587133	5/19/2017 0:00	-0.614	-0.588
587134	5/20/2017 0:00	-0.595	-0.587
587135	5/21/2017 0:00	-0.58	-0.586
587136	5/22/2017 0:00	-0.584	-0.585
587137	5/23/2017 0:00	-0.576	-0.585
587138	5/24/2017 0:00	-0.582	-0.584
587139	5/25/2017 0:00	-0.567	-0.583
587140	5/26/2017 0:00	-0.573	-0.583
587141	5/27/2017 0:00	-0.578	-0.581
587142	5/28/2017 0:00	-0.59	-0.58
587143	5/29/2017 0:00	-0.588	-0.58
587144	5/30/2017 0:00	-0.556	-0.578
587145	5/31/2017 0:00	-0.576	-0.579
587146	6/1/2017 0:00	-0.579	-0.578
587147	6/2/2017 0:00	-0.578	-0.577
587148	6/3/2017 0:00	-0.582	-0.577
587149	6/4/2017 0:00	-0.575	-0.576
587150	6/5/2017 0:00	-0.56	-0.575
587151	6/6/2017 0:00	-0.561	-0.575
587152	6/7/2017 0:00	-0.582	-0.574
587153	6/8/2017 0:00	-0.589	-0.574
587154	6/9/2017 0:00	-0.571	-0.574
587155	6/10/2017 0:00	-0.594	-0.574
587156	6/11/2017 0:00	-0.564	-0.574
587157	6/12/2017 0:00	-0.556	-0.574
587158	6/13/2017 0:00	-0.592	-0.574
587159	6/14/2017 0:00	-0.557	-0.573
587160	6/15/2017 0:00	-0.577	-0.574
587161	6/16/2017 0:00	-0.563	-0.575
587162	6/17/2017 0:00	-0.568	-0.575
587163	6/18/2017 0:00	-0.582	-0.575
587164	6/19/2017 0:00	-0.569	-0.575
587165	6/20/2017 0:00	-0.586	-0.576
587166	6/21/2017 0:00	-0.557	-0.577
587167	6/22/2017 0:00	-0.561	-0.577
587168	6/23/2017 0:00	-0.577	-0.577
587169	6/24/2017 0:00	-0.578	-0.577
587170	6/25/2017 0:00	-0.589	-0.577
587171	6/26/2017 0:00	-0.572	-0.576
587172	6/27/2017 0:00	-0.577	-0.576
587173	6/28/2017 0:00	-0.577	-0.577
587174	6/29/2017 0:00	-0.559	-0.577
587175	6/30/2017 0:00	-0.586	-0.578
587176	7/1/2017 0:00	-0.593	-0.577
587177	7/2/2017 0:00	-0.578	-0.578
587178	7/3/2017 0:00	-0.582	-0.578
587179	7/4/2017 0:00	-0.6	-0.578
587180	7/5/2017 0:00	-0.599	-0.579
587181	7/6/2017 0:00	-0.579	-0.58
587182	7/7/2017 0:00	-0.575	-0.581
587183	7/8/2017 0:00	-0.593	-0.582
587184	7/9/2017 0:00	-0.575	-0.582
587185	7/10/2017 0:00	-0.573	-0.583
587186	7/11/2017 0:00	-0.57	-0.583
587187	7/12/2017 0:00	-0.57	-0.583
587188	7/13/2017 0:00	-0.587	-0.584
587189	7/14/2017 0:00	-0.568	-0.584
587190	7/15/2017 0:00	-0.592	-0.585
587191	7/16/2017 0:00	-0.562	-0.585
587192	7/17/2017 0:00	-0.572	-0.586
587193	7/18/2017 0:00	-0.566	-0.586

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587194	7/19/2017 0:00	-0.598	-0.587
587195	7/20/2017 0:00	-0.602	-0.586
587196	7/21/2017 0:00	-0.601	-0.586
587197	7/22/2017 0:00	-0.598	-0.587
587198	7/23/2017 0:00	-0.58	-0.587
587199	7/24/2017 0:00	-0.601	-0.587
587200	7/25/2017 0:00	-0.59	-0.588
587201	7/26/2017 0:00	-0.585	-0.588
587202	7/27/2017 0:00	-0.593	-0.589
587203	7/28/2017 0:00	-0.596	-0.589
587204	7/29/2017 0:00	-0.588	-0.59
587205	7/30/2017 0:00	-0.598	-0.591
587206	7/31/2017 0:00	-0.581	-0.59
587207	8/1/2017 0:00	-0.604	-0.591
587208	8/2/2017 0:00	-0.595	-0.592
587209	8/3/2017 0:00	-0.593	-0.593
587210	8/4/2017 0:00	-0.589	-0.593
587211	8/5/2017 0:00	-0.579	-0.592
587212	8/6/2017 0:00	-0.616	-0.591
587213	8/7/2017 0:00	-0.577	-0.591
587214	8/8/2017 0:00	-0.605	-0.592
587215	8/9/2017 0:00	-0.591	-0.592
587216	8/10/2017 0:00	-0.59	-0.592
587217	8/11/2017 0:00	-0.583	-0.592
587218	8/12/2017 0:00	-0.595	-0.592
587219	8/13/2017 0:00	-0.594	-0.592
587220	8/14/2017 0:00	-0.592	-0.592
587221	8/15/2017 0:00	-0.58	-0.592
587222	8/16/2017 0:00	-0.583	-0.591
587223	8/17/2017 0:00	-0.609	-0.59
587224	8/18/2017 0:00	-0.594	-0.589
587225	8/19/2017 0:00	-0.588	-0.588
587226	8/20/2017 0:00	-0.579	-0.589
587227	8/21/2017 0:00	-0.577	-0.59
587228	8/22/2017 0:00	-0.602	-0.589
587229	8/23/2017 0:00	-0.598	-0.589
587230	8/24/2017 0:00	-0.607	-0.588
587231	8/25/2017 0:00	-0.594	-0.587
587232	8/26/2017 0:00	-0.587	-0.586
587233	8/27/2017 0:00	-0.596	-0.585
587234	8/28/2017 0:00	-0.581	-0.584
587235	8/29/2017 0:00	-0.599	-0.584
587236	8/30/2017 0:00	-0.589	-0.584
587237	8/31/2017 0:00	-0.565	-0.583
587238	9/1/2017 0:00	-0.553	-0.582
587239	9/2/2017 0:00	-0.559	-0.581
587240	9/3/2017 0:00	-0.578	-0.58
587241	9/4/2017 0:00	-0.63	-0.58
587242	9/5/2017 0:00	-0.587	-0.58
587243	9/6/2017 0:00	-0.589	-0.58
587244	9/7/2017 0:00	-0.572	-0.579
587245	9/8/2017 0:00	-0.579	-0.579
587246	9/9/2017 0:00	-0.571	-0.577
587247	9/10/2017 0:00	-0.565	-0.576
587248	9/11/2017 0:00	-0.546	-0.576
587249	9/12/2017 0:00	-0.567	-0.576
587250	9/13/2017 0:00	-0.576	-0.575
587251	9/14/2017 0:00	-0.584	-0.575
587252	9/15/2017 0:00	-0.575	-0.575
587253	9/16/2017 0:00	-0.551	-0.576
587254	9/17/2017 0:00	-0.569	-0.577
587255	9/18/2017 0:00	-0.574	-0.577
587256	9/19/2017 0:00	-0.571	-0.578
587257	9/20/2017 0:00	-0.58	-0.577
587258	9/21/2017 0:00	-0.577	-0.577
587259	9/22/2017 0:00	-0.58	-0.577
587260	9/23/2017 0:00	-0.583	-0.576
587261	9/24/2017 0:00	-0.568	-0.577
587262	9/25/2017 0:00	-0.565	-0.578
587263	9/26/2017 0:00	-0.581	-0.578
587264	9/27/2017 0:00	-0.577	-0.58
587265	9/28/2017 0:00	-0.573	-0.58
587266	9/29/2017 0:00	-0.59	-0.58
587267	9/30/2017 0:00	-0.588	-0.58

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587268	10/1/2017 0:00	-0.587	-0.581
587269	10/2/2017 0:00	-0.588	-0.582
587270	10/3/2017 0:00	-0.573	-0.582
587271	10/4/2017 0:00	-0.601	-0.582
587272	10/5/2017 0:00	-0.603	-0.582
587273	10/6/2017 0:00	-0.58	-0.582
587274	10/7/2017 0:00	-0.577	-0.583
587275	10/8/2017 0:00	-0.562	-0.583
587276	10/9/2017 0:00	-0.592	-0.583
587277	10/10/2017 0:00	-0.602	-0.584
587278	10/11/2017 0:00	-0.578	-0.584
587279	10/12/2017 0:00	-0.596	-0.585
587280	10/13/2017 0:00	-0.581	-0.585
587281	10/14/2017 0:00	-0.573	-0.586
587282	10/15/2017 0:00	-0.586	-0.586
587283	10/16/2017 0:00	-0.598	-0.586
587284	10/17/2017 0:00	-0.595	-0.586
587285	10/18/2017 0:00	-0.553	-0.587
587286	10/19/2017 0:00	-0.585	-0.588
587287	10/20/2017 0:00	-0.584	-0.588
587288	10/21/2017 0:00	-0.572	-0.588
587289	10/22/2017 0:00	-0.595	-0.589
587290	10/23/2017 0:00	-0.591	-0.59
587291	10/24/2017 0:00	-0.594	-0.591
587292	10/25/2017 0:00	-0.569	-0.591
587293	10/26/2017 0:00	-0.581	-0.59
587294	10/27/2017 0:00	-0.607	-0.591
587295	10/28/2017 0:00	-0.594	-0.591
587296	10/29/2017 0:00	-0.595	-0.591
587297	10/30/2017 0:00	-0.591	-0.591
587298	10/31/2017 0:00	-0.588	-0.592
587299	11/1/2017 0:00	-0.594	-0.592
587300	11/2/2017 0:00	-0.598	-0.592
587301	11/3/2017 0:00	-0.61	-0.593
587302	11/4/2017 0:00	-0.592	-0.593
587303	11/5/2017 0:00	-0.606	-0.593
587304	11/6/2017 0:00	-0.621	-0.594
587305	11/7/2017 0:00	-0.602	-0.594
587306	11/8/2017 0:00	-0.599	-0.594
587307	11/9/2017 0:00	-0.576	-0.594
587308	11/10/2017 0:00	-0.595	-0.595
587309	11/11/2017 0:00	-0.589	-0.595
587310	11/12/2017 0:00	-0.608	-0.595
587311	11/13/2017 0:00	-0.588	-0.594
587312	11/14/2017 0:00	-0.577	-0.594
587313	11/15/2017 0:00	-0.604	-0.595
587314	11/16/2017 0:00	-0.584	-0.595
587315	11/17/2017 0:00	-0.593	-0.595
587316	11/18/2017 0:00	-0.582	-0.594
587317	11/19/2017 0:00	-0.598	-0.593
587318	11/20/2017 0:00	-0.6	-0.593
587319	11/21/2017 0:00	-0.596	-0.593
587320	11/22/2017 0:00	-0.594	-0.592
587321	11/23/2017 0:00	-0.59	-0.592
587322	11/24/2017 0:00	-0.589	-0.592
587323	11/25/2017 0:00	-0.59	-0.592
587324	11/26/2017 0:00	-0.604	-0.593
587325	11/27/2017 0:00	-0.583	-0.593
587326	11/28/2017 0:00	-0.585	-0.593
587327	11/29/2017 0:00	-0.595	-0.593
587328	11/30/2017 0:00	-0.6	-0.593
587329	12/1/2017 0:00	-0.6	-0.593
587330	12/2/2017 0:00	-0.581	-0.593
587331	12/3/2017 0:00	-0.575	-0.593
587332	12/4/2017 0:00	-0.588	-0.593
587333	12/5/2017 0:00	-0.589	-0.593
587334	12/6/2017 0:00	-0.604	-0.592
587335	12/7/2017 0:00	-0.594	-0.592
587336	12/8/2017 0:00	-0.596	-0.592
587337	12/9/2017 0:00	-0.59	-0.593
587338	12/10/2017 0:00	-0.603	-0.593
587339	12/11/2017 0:00	-0.601	-0.594
587340	12/12/2017 0:00	-0.609	-0.595
587341	12/13/2017 0:00	-0.592	-0.595

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587342	12/14/2017 0:00	-0.588	-0.595
587343	12/15/2017 0:00	-0.593	-0.595
587344	12/16/2017 0:00	-0.593	-0.595
587345	12/17/2017 0:00	-0.593	-0.595
587346	12/18/2017 0:00	-0.587	-0.595
587347	12/19/2017 0:00	-0.585	-0.596
587348	12/20/2017 0:00	-0.597	-0.596
587349	12/21/2017 0:00	-0.585	-0.597
587350	12/22/2017 0:00	-0.586	-0.597
587351	12/23/2017 0:00	-0.595	-0.596
587352	12/24/2017 0:00	-0.6	-0.596
587353	12/25/2017 0:00	-0.619	-0.596
587354	12/26/2017 0:00	-0.615	-0.596
587355	12/27/2017 0:00	-0.611	-0.596
587356	12/28/2017 0:00	-0.612	-0.597
587357	12/29/2017 0:00	-0.576	-0.598
587358	12/30/2017 0:00	-0.589	-0.598
587359	12/31/2017 0:00	-0.592	-0.599
587360	1/1/2018 0:00	-0.611	-0.6
587361	1/2/2018 0:00	-0.588	-0.601
587362	1/3/2018 0:00	-0.6	-0.602
587363	1/4/2018 0:00	-0.588	-0.602
587364	1/5/2018 0:00	-0.608	-0.603
587365	1/6/2018 0:00	-0.597	-0.603
587366	1/7/2018 0:00	-0.591	-0.604
587367	1/8/2018 0:00	-0.586	-0.604
587368	1/9/2018 0:00	-0.595	-0.605
587369	1/10/2018 0:00	-0.594	-0.604
587370	1/11/2018 0:00	-0.602	-0.603
587371	1/12/2018 0:00	-0.625	-0.603
587372	1/13/2018 0:00	-0.626	-0.603
587373	1/14/2018 0:00	-0.613	-0.604
587374	1/15/2018 0:00	-0.618	-0.605
587375	1/16/2018 0:00	-0.614	-0.606
587376	1/17/2018 0:00	-0.62	-0.606
587377	1/18/2018 0:00	-0.622	-0.606
587378	1/19/2018 0:00	-0.602	-0.606
587379	1/20/2018 0:00	-0.601	-0.607
587380	1/21/2018 0:00	-0.597	-0.607
587381	1/22/2018 0:00	-0.612	-0.607
587382	1/23/2018 0:00	-0.61	-0.608
587383	1/24/2018 0:00	-0.617	-0.609
587384	1/25/2018 0:00	-0.58	-0.61
587385	1/26/2018 0:00	-0.608	-0.61
587386	1/27/2018 0:00	-0.591	-0.61
587387	1/28/2018 0:00	-0.624	-0.609
587388	1/29/2018 0:00	-0.618	-0.609
587389	1/30/2018 0:00	-0.61	-0.609
587390	1/31/2018 0:00	-0.609	-0.608
587391	2/1/2018 0:00	-0.611	-0.608
587392	2/2/2018 0:00	-0.607	-0.607
587393	2/3/2018 0:00	-0.604	-0.606
587394	2/4/2018 0:00	-0.601	-0.606
587395	2/5/2018 0:00	-0.609	-0.606
587396	2/6/2018 0:00	-0.614	-0.606
587397	2/7/2018 0:00	-0.616	-0.606
587398	2/8/2018 0:00	-0.616	-0.605
587399	2/9/2018 0:00	-0.607	-0.605
587400	2/10/2018 0:00	-0.597	-0.605
587401	2/11/2018 0:00	-0.612	-0.605
587402	2/12/2018 0:00	-0.59	-0.605
587403	2/13/2018 0:00	-0.624	-0.604
587404	2/14/2018 0:00	-0.606	-0.605
587405	2/15/2018 0:00	-0.61	-0.605
587406	2/16/2018 0:00	-0.593	-0.605
587407	2/17/2018 0:00	-0.602	-0.605
587408	2/18/2018 0:00	-0.585	-0.605
587409	2/19/2018 0:00	-0.595	-0.605
587410	2/20/2018 0:00	-0.597	-0.605
587411	2/21/2018 0:00	-0.603	-0.605
587412	2/22/2018 0:00	-0.614	-0.605
587413	2/23/2018 0:00	-0.578	-0.604
587414	2/24/2018 0:00	-0.613	-0.603
587415	2/25/2018 0:00	-0.604	-0.604

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587416	2/26/2018 0:00	-0.58	-0.603
587417	2/27/2018 0:00	-0.608	-0.603
587418	2/28/2018 0:00	-0.592	-0.603
587419	3/1/2018 0:00	-0.637	-0.602
587420	3/2/2018 0:00	-0.62	-0.602
587421	3/3/2018 0:00	-0.615	-0.602
587422	3/4/2018 0:00	-0.613	-0.602
587423	3/5/2018 0:00	-0.608	-0.603
587424	3/6/2018 0:00	-0.595	-0.604
587425	3/7/2018 0:00	-0.609	-0.604
587426	3/8/2018 0:00	-0.609	-0.605
587427	3/9/2018 0:00	-0.591	-0.605
587428	3/10/2018 0:00	-0.591	-0.605
587429	3/11/2018 0:00	-0.602	-0.606
587430	3/12/2018 0:00	-0.619	-0.606
587431	3/13/2018 0:00	-0.58	-0.606
587432	3/14/2018 0:00	-0.604	-0.607
587433	3/15/2018 0:00	-0.592	-0.608
587434	3/16/2018 0:00	-0.605	-0.609
587435	3/17/2018 0:00	-0.601	-0.607
587436	3/18/2018 0:00	-0.604	-0.607
587437	3/19/2018 0:00	-0.609	-0.606
587438	3/20/2018 0:00	-0.605	-0.606
587439	3/21/2018 0:00	-0.622	-0.606
587440	3/22/2018 0:00	-0.601	-0.606
587441	3/23/2018 0:00	-0.615	-0.606
587442	3/24/2018 0:00	-0.626	-0.606
587443	3/25/2018 0:00	-0.608	-0.606
587444	3/26/2018 0:00	-0.6	-0.607
587445	3/27/2018 0:00	-0.612	-0.607
587446	3/28/2018 0:00	-0.613	-0.606
587447	3/29/2018 0:00	-0.62	-0.606
587448	3/30/2018 0:00	-0.627	-0.607
587449	3/31/2018 0:00	-0.616	-0.607
587450	4/1/2018 0:00	-0.6	-0.607
587451	4/2/2018 0:00	-0.597	-0.607
587452	4/3/2018 0:00	-0.598	-0.607
587453	4/4/2018 0:00	-0.597	-0.607
587454	4/5/2018 0:00	-0.606	-0.608
587455	4/6/2018 0:00	-0.611	-0.608
587456	4/7/2018 0:00	-0.597	-0.608
587457	4/8/2018 0:00	-0.616	-0.608
587458	4/9/2018 0:00	-0.598	-0.607
587459	4/10/2018 0:00	-0.619	-0.608
587460	4/11/2018 0:00	-0.596	-0.609
587461	4/12/2018 0:00	-0.598	-0.608
587462	4/13/2018 0:00	-0.585	-0.608
587463	4/14/2018 0:00	-0.624	-0.608
587464	4/15/2018 0:00	-0.601	-0.608
587465	4/16/2018 0:00	-0.585	-0.607
587466	4/17/2018 0:00	-0.606	-0.607
587467	4/18/2018 0:00	-0.615	-0.608
587468	4/19/2018 0:00	-0.612	-0.609
587469	4/20/2018 0:00	-0.62	-0.609
587470	4/21/2018 0:00	-0.618	-0.61
587471	4/22/2018 0:00	-0.607	-0.61
587472	4/23/2018 0:00	-0.619	-0.611
587473	4/24/2018 0:00	-0.608	-0.61
587474	4/25/2018 0:00	-0.633	-0.61
587475	4/26/2018 0:00	-0.613	-0.609
587476	4/27/2018 0:00	-0.608	-0.609
587477	4/28/2018 0:00	-0.608	-0.609
587478	4/29/2018 0:00	-0.616	-0.61
587479	4/30/2018 0:00	-0.606	-0.609
587480	5/1/2018 0:00	-0.605	-0.61
587481	5/2/2018 0:00	-0.598	-0.61
587482	5/3/2018 0:00	-0.622	-0.61
587483	5/4/2018 0:00	-0.62	-0.61
587484	5/5/2018 0:00	-0.609	-0.609
587485	5/6/2018 0:00	-0.624	-0.607
587486	5/7/2018 0:00	-0.626	-0.606
587487	5/8/2018 0:00	-0.623	-0.605
587488	5/9/2018 0:00	-0.587	-0.605
587489	5/10/2018 0:00	-0.594	-0.605

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587490	5/11/2018 0:00	-0.584	-0.604
587491	5/12/2018 0:00	-0.596	-0.603
587492	5/13/2018 0:00	-0.603	-0.602
587493	5/14/2018 0:00	-0.615	-0.602
587494	5/15/2018 0:00	-0.611	-0.6
587495	5/16/2018 0:00	-0.607	-0.599
587496	5/17/2018 0:00	-0.596	-0.599
587497	5/18/2018 0:00	-0.614	-0.599
587498	5/19/2018 0:00	-0.595	-0.598
587499	5/20/2018 0:00	-0.59	-0.597
587500	5/21/2018 0:00	-0.57	-0.597
587501	5/22/2018 0:00	-0.586	-0.596
587502	5/23/2018 0:00	-0.579	-0.594
587503	5/24/2018 0:00	-0.6	-0.594
587504	5/25/2018 0:00	-0.611	-0.595
587505	5/26/2018 0:00	-0.599	-0.595
587506	5/27/2018 0:00	-0.588	-0.596
587507	5/28/2018 0:00	-0.59	-0.596
587508	5/29/2018 0:00	-0.585	-0.595
587509	5/30/2018 0:00	-0.581	-0.595
587510	5/31/2018 0:00	-0.57	-0.595
587511	6/1/2018 0:00	-0.601	-0.595
587512	6/2/2018 0:00	-0.604	-0.595
587513	6/3/2018 0:00	-0.594	-0.593
587514	6/4/2018 0:00	-0.588	-0.593
587515	6/5/2018 0:00	-0.594	-0.594
587516	6/6/2018 0:00	-0.588	-0.595
587517	6/7/2018 0:00	-0.584	-0.595
587518	6/8/2018 0:00	-0.607	-0.595
587519	6/9/2018 0:00	-0.62	-0.594
587520	6/10/2018 0:00	-0.599	-0.594
587521	6/11/2018 0:00	-0.598	-0.594
587522	6/12/2018 0:00	-0.594	-0.595
587523	6/13/2018 0:00	-0.6	-0.596
587524	6/14/2018 0:00	-0.612	-0.596
587525	6/15/2018 0:00	-0.604	-0.596
587526	6/16/2018 0:00	-0.589	-0.598
587527	6/17/2018 0:00	-0.597	-0.598
587528	6/18/2018 0:00	-0.577	-0.598
587529	6/19/2018 0:00	-0.591	-0.598
587530	6/20/2018 0:00	-0.601	-0.598
587531	6/21/2018 0:00	-0.609	-0.598
587532	6/22/2018 0:00	-0.586	-0.599
587533	6/23/2018 0:00	-0.578	-0.6
587534	6/24/2018 0:00	-0.581	-0.6
587535	6/25/2018 0:00	-0.596	-0.599
587536	6/26/2018 0:00	-0.616	-0.599
587537	6/27/2018 0:00	-0.613	-0.599
587538	6/28/2018 0:00	-0.607	-0.6
587539	6/29/2018 0:00	-0.593	-0.6
587540	6/30/2018 0:00	-0.596	-0.6
587541	7/1/2018 0:00	-0.612	-0.601
587542	7/2/2018 0:00	-0.606	-0.601
587543	7/3/2018 0:00	-0.599	-0.602
587544	7/4/2018 0:00	-0.602	-0.603
587545	7/5/2018 0:00	-0.593	-0.603
587546	7/6/2018 0:00	-0.604	-0.604
587547	7/7/2018 0:00	-0.604	-0.604
587548	7/8/2018 0:00	-0.603	-0.605
587549	7/9/2018 0:00	-0.609	-0.606
587550	7/10/2018 0:00	-0.599	-0.607
587551	7/11/2018 0:00	-0.603	-0.608
587552	7/12/2018 0:00	-0.608	-0.608
587553	7/13/2018 0:00	-0.606	-0.608
587554	7/14/2018 0:00	-0.615	-0.608
587555	7/15/2018 0:00	-0.608	-0.61
587556	7/16/2018 0:00	-0.622	-0.61
587557	7/17/2018 0:00	-0.611	-0.61
587558	7/18/2018 0:00	-0.603	-0.61
587559	7/19/2018 0:00	-0.618	-0.61
587560	7/20/2018 0:00	-0.601	-0.611
587561	7/21/2018 0:00	-0.626	-0.611
587562	7/22/2018 0:00	-0.621	-0.612
587563	7/23/2018 0:00	-0.598	-0.612

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587564	7/24/2018 0:00	-0.619	-0.612
587565	7/25/2018 0:00	-0.615	-0.613
587566	7/26/2018 0:00	-0.606	-0.613
587567	7/27/2018 0:00	-0.622	-0.614
587568	7/28/2018 0:00	-0.608	-0.614
587569	7/29/2018 0:00	-0.632	-0.615
587570	7/30/2018 0:00	-0.633	-0.615
587571	7/31/2018 0:00	-0.613	-0.615
587572	8/1/2018 0:00	-0.589	-0.615
587573	8/2/2018 0:00	-0.611	-0.615
587574	8/3/2018 0:00	-0.612	-0.615
587575	8/4/2018 0:00	-0.626	-0.615
587576	8/5/2018 0:00	-0.609	-0.616
587577	8/6/2018 0:00	-0.616	-0.615
587578	8/7/2018 0:00	-0.603	-0.616
587579	8/8/2018 0:00	-0.617	-0.616
587580	8/9/2018 0:00	-0.626	-0.616
587581	8/10/2018 0:00	-0.617	-0.616
587582	8/11/2018 0:00	-0.617	-0.616
587583	8/12/2018 0:00	-0.62	-0.616
587584	8/13/2018 0:00	-0.616	-0.616
587585	8/14/2018 0:00	-0.621	-0.615
587586	8/15/2018 0:00	-0.624	-0.615
587587	8/16/2018 0:00	-0.608	-0.615
587588	8/17/2018 0:00	-0.612	-0.615
587589	8/18/2018 0:00	-0.62	-0.615
587590	8/19/2018 0:00	-0.608	-0.615
587591	8/20/2018 0:00	-0.623	-0.614
587592	8/21/2018 0:00	-0.617	-0.614
587593	8/22/2018 0:00	-0.625	-0.614
587594	8/23/2018 0:00	-0.616	-0.615
587595	8/24/2018 0:00	-0.611	-0.615
587596	8/25/2018 0:00	-0.621	-0.614
587597	8/26/2018 0:00	-0.603	-0.614
587598	8/27/2018 0:00	-0.612	-0.615
587599	8/28/2018 0:00	-0.61	-0.616
587600	8/29/2018 0:00	-0.613	-0.616
587601	8/30/2018 0:00	-0.614	-0.616
587602	8/31/2018 0:00	-0.629	-0.616
587603	9/1/2018 0:00	-0.599	-0.617
587604	9/2/2018 0:00	-0.6	-0.618
587605	9/3/2018 0:00	-0.609	-0.619
587606	9/4/2018 0:00	-0.611	-0.619
587607	9/5/2018 0:00	-0.602	-0.62
587608	9/6/2018 0:00	-0.623	-0.621
587609	9/7/2018 0:00	-0.635	-0.621
587610	9/8/2018 0:00	-0.611	-0.622
587611	9/9/2018 0:00	-0.596	-0.623
587612	9/10/2018 0:00	-0.623	-0.623
587613	9/11/2018 0:00	-0.632	-0.625
587614	9/12/2018 0:00	-0.638	-0.625
587615	9/13/2018 0:00	-0.628	-0.626
587616	9/14/2018 0:00	-0.624	-0.626
587617	9/15/2018 0:00	-0.625	-0.626
587618	9/16/2018 0:00	-0.635	-0.627
587619	9/17/2018 0:00	-0.637	-0.628
587620	9/18/2018 0:00	-0.646	-0.629
587621	9/19/2018 0:00	-0.623	-0.629
587622	9/20/2018 0:00	-0.648	-0.63
587623	9/21/2018 0:00	-0.657	-0.632
587624	9/22/2018 0:00	-0.63	-0.632
587625	9/23/2018 0:00	-0.629	-0.632
587626	9/24/2018 0:00	-0.638	-0.632
587627	9/25/2018 0:00	-0.639	-0.633
587628	9/26/2018 0:00	-0.654	-0.633
587629	9/27/2018 0:00	-0.621	-0.633
587630	9/28/2018 0:00	-0.628	-0.633
587631	9/29/2018 0:00	-0.629	-0.632
587632	9/30/2018 0:00	-0.625	-0.633
587633	10/1/2018 0:00	-0.65	-0.634
587634	10/2/2018 0:00	-0.619	-0.634
587635	10/3/2018 0:00	-0.631	-0.635
587636	10/4/2018 0:00	-0.628	-0.635
587637	10/5/2018 0:00	-0.64	-0.635

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587638	10/6/2018 0:00	-0.661	-0.635
587639	10/7/2018 0:00	-0.63	-0.635
587640	10/8/2018 0:00	-0.614	-0.635
587641	10/9/2018 0:00	-0.612	-0.636
587642	10/10/2018 0:00	-0.632	-0.636
587643	10/11/2018 0:00	-0.623	-0.636
587644	10/12/2018 0:00	-0.631	-0.636
587645	10/13/2018 0:00	-0.627	-0.636
587646	10/14/2018 0:00	-0.617	-0.637
587647	10/15/2018 0:00	-0.649	-0.637
587648	10/16/2018 0:00	-0.644	-0.636
587649	10/17/2018 0:00	-0.657	-0.636
587650	10/18/2018 0:00	-0.658	-0.636
587651	10/19/2018 0:00	-0.638	-0.635
587652	10/20/2018 0:00	-0.634	-0.635
587653	10/21/2018 0:00	-0.64	-0.634
587654	10/22/2018 0:00	-0.661	-0.633
587655	10/23/2018 0:00	-0.639	-0.633
587656	10/24/2018 0:00	-0.661	-0.634
587657	10/25/2018 0:00	-0.636	-0.635
587658	10/26/2018 0:00	-0.636	-0.635
587659	10/27/2018 0:00	-0.637	-0.635
587660	10/28/2018 0:00	-0.639	-0.635
587661	10/29/2018 0:00	-0.645	-0.636
587662	10/30/2018 0:00	-0.62	-0.637
587663	10/31/2018 0:00	-0.623	-0.636
587664	11/1/2018 0:00	-0.636	-0.635
587665	11/2/2018 0:00	-0.627	-0.634
587666	11/3/2018 0:00	-0.595	-0.633
587667	11/4/2018 0:00	-0.617	-0.633
587668	11/5/2018 0:00	-0.618	-0.633
587669	11/6/2018 0:00	-0.621	-0.632
587670	11/7/2018 0:00	-0.632	-0.631
587671	11/8/2018 0:00	-0.636	-0.631
587672	11/9/2018 0:00	-0.643	-0.63
587673	11/10/2018 0:00	-0.64	-0.63
587674	11/11/2018 0:00	-0.632	-0.63
587675	11/12/2018 0:00	-0.629	-0.63
587676	11/13/2018 0:00	-0.645	-0.629
587677	11/14/2018 0:00	-0.644	-0.63
587678	11/15/2018 0:00	-0.644	-0.63
587679	11/16/2018 0:00	-0.613	-0.63
587680	11/17/2018 0:00	-0.628	-0.629
587681	11/18/2018 0:00	-0.624	-0.628
587682	11/19/2018 0:00	-0.631	-0.63
587683	11/20/2018 0:00	-0.62	-0.63
587684	11/21/2018 0:00	-0.626	-0.63
587685	11/22/2018 0:00	-0.625	-0.63
587686	11/23/2018 0:00	-0.631	-0.63
587687	11/24/2018 0:00	-0.633	-0.63
587688	11/25/2018 0:00	-0.634	-0.63
587689	11/26/2018 0:00	-0.635	-0.63
587690	11/27/2018 0:00	-0.636	-0.629
587691	11/28/2018 0:00	-0.616	-0.629
587692	11/29/2018 0:00	-0.665	-0.629
587693	11/30/2018 0:00	-0.634	-0.628
587694	12/1/2018 0:00	-0.626	-0.628
587695	12/2/2018 0:00	-0.586	-0.628
587696	12/3/2018 0:00	-0.623	-0.628
587697	12/4/2018 0:00	-0.657	-0.629
587698	12/5/2018 0:00	-0.608	-0.628
587699	12/6/2018 0:00	-0.624	-0.628
587700	12/7/2018 0:00	-0.614	-0.628
587701	12/8/2018 0:00	-0.624	-0.628
587702	12/9/2018 0:00	-0.649	-0.629
587703	12/10/2018 0:00	-0.619	-0.628
587704	12/11/2018 0:00	-0.642	-0.628
587705	12/12/2018 0:00	-0.626	-0.626
587706	12/13/2018 0:00	-0.629	-0.626
587707	12/14/2018 0:00	-0.634	-0.626
587708	12/15/2018 0:00	-0.607	-0.626
587709	12/16/2018 0:00	-0.643	-0.625
587710	12/17/2018 0:00	-0.617	-0.625
587711	12/18/2018 0:00	-0.627	-0.627



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587712	12/19/2018 0:00	-0.64	-0.627
587713	12/20/2018 0:00	-0.614	-0.626
587714	12/21/2018 0:00	-0.609	-0.626
587715	12/22/2018 0:00	-0.63	-0.626
587716	12/23/2018 0:00	-0.645	-0.627
587717	12/24/2018 0:00	-0.637	-0.628
587718	12/25/2018 0:00	-0.615	-0.629
587719	12/26/2018 0:00	-0.622	-0.629
587720	12/27/2018 0:00	-0.599	-0.629
587721	12/28/2018 0:00	-0.61	-0.629
587722	12/29/2018 0:00	-0.637	-0.63
587723	12/30/2018 0:00	-0.656	-0.631
587724	12/31/2018 0:00	-0.618	-0.633
587725	1/1/2019 0:00	-0.626	-0.633
587726	1/2/2019 0:00	-0.634	-0.634
587727	1/3/2019 0:00	-0.618	-0.635
587728	1/4/2019 0:00	-0.618	-0.636
587729	1/5/2019 0:00	-0.619	-0.638
587730	1/6/2019 0:00	-0.634	-0.639
587731	1/7/2019 0:00	-0.634	-0.64
587732	1/8/2019 0:00	-0.673	-0.64
587733	1/9/2019 0:00	-0.658	-0.64
587734	1/10/2019 0:00	-0.641	-0.641
587735	1/11/2019 0:00	-0.628	-0.642
587736	1/12/2019 0:00	-0.633	-0.644
587737	1/13/2019 0:00	-0.649	-0.645
587738	1/14/2019 0:00	-0.673	-0.644
587739	1/15/2019 0:00	-0.662	-0.643
587740	1/16/2019 0:00	-0.65	-0.644
587741	1/17/2019 0:00	-0.638	-0.644
587742	1/18/2019 0:00	-0.653	-0.644
587743	1/19/2019 0:00	-0.676	-0.643
587744	1/20/2019 0:00	-0.687	-0.644
587745	1/21/2019 0:00	-0.643	-0.644
587746	1/22/2019 0:00	-0.654	-0.645
587747	1/23/2019 0:00	-0.638	-0.644
587748	1/24/2019 0:00	-0.649	-0.643
587749	1/25/2019 0:00	-0.641	-0.643
587750	1/26/2019 0:00	-0.662	-0.643
587751	1/27/2019 0:00	-0.644	-0.643
587752	1/28/2019 0:00	-0.636	-0.644
587753	1/29/2019 0:00	-0.615	-0.643
587754	1/30/2019 0:00	-0.638	-0.64
587755	1/31/2019 0:00	-0.637	-0.639
587756	2/1/2019 0:00	-0.624	-0.637
587757	2/2/2019 0:00	-0.626	-0.638
587758	2/3/2019 0:00	-0.612	-0.637
587759	2/4/2019 0:00	-0.638	-0.636
587760	2/5/2019 0:00	-0.633	-0.634
587761	2/6/2019 0:00	-0.648	-0.633
587762	2/7/2019 0:00	-0.62	-0.632
587763	2/8/2019 0:00	-0.64	-0.633
587764	2/9/2019 0:00	-0.649	-0.633
587765	2/10/2019 0:00	-0.64	-0.634
587766	2/11/2019 0:00	-0.64	-0.634
587767	2/12/2019 0:00	-0.645	-0.634
587768	2/13/2019 0:00	-0.624	-0.634
587769	2/14/2019 0:00	-0.593	-0.635
587770	2/15/2019 0:00	-0.605	-0.635
587771	2/16/2019 0:00	-0.614	-0.637
587772	2/17/2019 0:00	-0.643	-0.637
587773	2/18/2019 0:00	-0.638	-0.638
587774	2/19/2019 0:00	-0.627	-0.64
587775	2/20/2019 0:00	-0.633	-0.641
587776	2/21/2019 0:00	-0.626	-0.641
587777	2/22/2019 0:00	-0.624	-0.641
587778	2/23/2019 0:00	-0.652	-0.642
587779	2/24/2019 0:00	-0.659	-0.643
587780	2/25/2019 0:00	-0.656	-0.642
587781	2/26/2019 0:00	-0.664	-0.642
587782	2/27/2019 0:00	-0.651	-0.642
587783	2/28/2019 0:00	-0.644	-0.643
587784	3/1/2019 0:00	-0.653	-0.645
587785	3/2/2019 0:00	-0.632	-0.648

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587786	3/3/2019 0:00	-0.677	-0.651
587787	3/4/2019 0:00	-0.646	-0.652
587788	3/5/2019 0:00	-0.661	-0.653
587789	3/6/2019 0:00	-0.666	-0.655
587790	3/7/2019 0:00	-0.66	-0.656
587791	3/8/2019 0:00	-0.638	-0.657
587792	3/9/2019 0:00	-0.656	-0.659
587793	3/10/2019 0:00	-0.643	-0.66
587794	3/11/2019 0:00	-0.658	-0.66
587795	3/12/2019 0:00	-0.641	-0.661
587796	3/13/2019 0:00	-0.629	-0.661
587797	3/14/2019 0:00	-0.652	-0.661
587798	3/15/2019 0:00	-0.678	-0.662
587799	3/16/2019 0:00	-0.681	-0.662
587800	3/17/2019 0:00	-0.687	-0.662
587801	3/18/2019 0:00	-0.675	-0.662
587802	3/19/2019 0:00	-0.671	-0.662
587803	3/20/2019 0:00	-0.679	-0.662
587804	3/21/2019 0:00	-0.673	-0.662
587805	3/22/2019 0:00	-0.669	-0.662
587806	3/23/2019 0:00	-0.675	-0.661
587807	3/24/2019 0:00	-0.671	-0.662
587808	3/25/2019 0:00	-0.664	-0.663
587809	3/26/2019 0:00	-0.663	-0.663
587810	3/27/2019 0:00	-0.675	-0.663
587811	3/28/2019 0:00	-0.665	-0.662
587812	3/29/2019 0:00	-0.663	-0.662
587813	3/30/2019 0:00	-0.676	-0.662
587814	3/31/2019 0:00	-0.66	-0.661
587815	4/1/2019 0:00	-0.646	-0.66
587816	4/2/2019 0:00	-0.634	-0.659
587817	4/3/2019 0:00	-0.66	-0.658
587818	4/4/2019 0:00	-0.67	-0.657
587819	4/5/2019 0:00	-0.658	-0.656
587820	4/6/2019 0:00	-0.655	-0.654
587821	4/7/2019 0:00	-0.641	-0.654
587822	4/8/2019 0:00	-0.658	-0.653
587823	4/9/2019 0:00	-0.674	-0.653
587824	4/10/2019 0:00	-0.642	-0.652
587825	4/11/2019 0:00	-0.661	-0.651
587826	4/12/2019 0:00	-0.625	-0.65
587827	4/13/2019 0:00	-0.629	-0.65
587828	4/14/2019 0:00	-0.652	-0.649
587829	4/15/2019 0:00	-0.639	-0.648
587830	4/16/2019 0:00	-0.639	-0.648
587831	4/17/2019 0:00	-0.664	-0.648
587832	4/18/2019 0:00	-0.659	-0.648
587833	4/19/2019 0:00	-0.64	-0.647
587834	4/20/2019 0:00	-0.636	-0.646
587835	4/21/2019 0:00	-0.621	-0.646
587836	4/22/2019 0:00	-0.649	-0.645
587837	4/23/2019 0:00	-0.667	-0.645
587838	4/24/2019 0:00	-0.647	-0.645
587839	4/25/2019 0:00	-0.654	-0.643
587840	4/26/2019 0:00	-0.635	-0.643
587841	4/27/2019 0:00	-0.644	-0.641
587842	4/28/2019 0:00	-0.644	-0.641
587843	4/29/2019 0:00	-0.647	-0.641
587844	4/30/2019 0:00	-0.634	-0.641
587845	5/1/2019 0:00	-0.658	-0.64
587846	5/2/2019 0:00	-0.646	-0.64
587847	5/3/2019 0:00	-0.64	-0.639
587848	5/4/2019 0:00	-0.637	-0.638
587849	5/5/2019 0:00	-0.637	-0.637
587850	5/6/2019 0:00	-0.642	-0.636
587851	5/7/2019 0:00	-0.634	-0.636
587852	5/8/2019 0:00	-0.642	-0.636
587853	5/9/2019 0:00	-0.644	-0.636
587854	5/10/2019 0:00	-0.63	-0.635
587855	5/11/2019 0:00	-0.624	-0.635
587856	5/12/2019 0:00	-0.62	-0.635
587857	5/13/2019 0:00	-0.618	-0.634
587858	5/14/2019 0:00	-0.639	-0.634
587859	5/15/2019 0:00	-0.649	-0.634

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587860	5/16/2019 0:00	-0.616	-0.634
587861	5/17/2019 0:00	-0.623	-0.633
587862	5/18/2019 0:00	-0.628	-0.632
587863	5/19/2019 0:00	-0.624	-0.632
587864	5/20/2019 0:00	-0.606	-0.632
587865	5/21/2019 0:00	-0.625	-0.631
587866	5/22/2019 0:00	-0.616	-0.631
587867	5/23/2019 0:00	-0.651	-0.632
587868	5/24/2019 0:00	-0.651	-0.632
587869	5/25/2019 0:00	-0.643	-0.632
587870	5/26/2019 0:00	-0.646	-0.633
587871	5/27/2019 0:00	-0.632	-0.634
587872	5/28/2019 0:00	-0.62	-0.635
587873	5/29/2019 0:00	-0.631	-0.636
587874	5/30/2019 0:00	-0.64	-0.636
587875	5/31/2019 0:00	-0.631	-0.636
587876	6/1/2019 0:00	-0.628	-0.637
587877	6/2/2019 0:00	-0.639	-0.638
587878	6/3/2019 0:00	-0.624	-0.639
587879	6/4/2019 0:00	-0.63	-0.639
587880	6/5/2019 0:00	-0.627	-0.64
587881	6/6/2019 0:00	-0.635	-0.64
587882	6/7/2019 0:00	-0.649	-0.641
587883	6/8/2019 0:00	-0.644	-0.64
587884	6/9/2019 0:00	-0.646	-0.64
587885	6/10/2019 0:00	-0.662	-0.639
587886	6/11/2019 0:00	-0.656	-0.639
587887	6/12/2019 0:00	-0.653	-0.64
587888	6/13/2019 0:00	-0.644	-0.641
587889	6/14/2019 0:00	-0.646	-0.641
587890	6/15/2019 0:00	-0.642	-0.642
587891	6/16/2019 0:00	-0.646	-0.643
587892	6/17/2019 0:00	-0.654	-0.644
587893	6/18/2019 0:00	-0.663	-0.644
587894	6/19/2019 0:00	-0.634	-0.644
587895	6/20/2019 0:00	-0.633	-0.645
587896	6/21/2019 0:00	-0.639	-0.646
587897	6/22/2019 0:00	-0.644	-0.646
587898	6/23/2019 0:00	-0.621	-0.646
587899	6/24/2019 0:00	-0.626	-0.647
587900	6/25/2019 0:00	-0.628	-0.647
587901	6/26/2019 0:00	-0.648	-0.647
587902	6/27/2019 0:00	-0.653	-0.648
587903	6/28/2019 0:00	-0.648	-0.648
587904	6/29/2019 0:00	-0.652	-0.649
587905	6/30/2019 0:00	-0.671	-0.649
587906	7/1/2019 0:00	-0.637	-0.649
587907	7/2/2019 0:00	-0.66	-0.649
587908	7/3/2019 0:00	-0.643	-0.65
587909	7/4/2019 0:00	-0.645	-0.649
587910	7/5/2019 0:00	-0.651	-0.65
587911	7/6/2019 0:00	-0.652	-0.65
587912	7/7/2019 0:00	-0.645	-0.652
587913	7/8/2019 0:00	-0.641	-0.652
587914	7/9/2019 0:00	-0.662	-0.653
587915	7/10/2019 0:00	-0.672	-0.654
587916	7/11/2019 0:00	-0.66	-0.655
587917	7/12/2019 0:00	-0.663	-0.655
587918	7/13/2019 0:00	-0.667	-0.656
587919	7/14/2019 0:00	-0.676	-0.656
587920	7/15/2019 0:00	-0.647	-0.656
587921	7/16/2019 0:00	-0.637	-0.656
587922	7/17/2019 0:00	-0.659	-0.657
587923	7/18/2019 0:00	-0.668	-0.657
587924	7/19/2019 0:00	-0.639	-0.658
587925	7/20/2019 0:00	-0.656	-0.658
587926	7/21/2019 0:00	-0.653	-0.658
587927	7/22/2019 0:00	-0.676	-0.657
587928	7/23/2019 0:00	-0.648	-0.658
587929	7/24/2019 0:00	-0.654	-0.659
587930	7/25/2019 0:00	-0.66	-0.659
587931	7/26/2019 0:00	-0.678	-0.658
587932	7/27/2019 0:00	-0.647	-0.658
587933	7/28/2019 0:00	-0.662	-0.659

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
587934	7/29/2019 0:00	-0.657	-0.659
587935	7/30/2019 0:00	-0.656	-0.659
587936	7/31/2019 0:00	-0.661	-0.658
587937	8/1/2019 0:00	-0.67	-0.658
587938	8/2/2019 0:00	-0.666	-0.658
587939	8/3/2019 0:00	-0.666	-0.658
587940	8/4/2019 0:00	-0.658	-0.658
587941	8/5/2019 0:00	-0.633	-0.658
587942	8/6/2019 0:00	-0.642	-0.657
587943	8/7/2019 0:00	-0.658	-0.656
587944	8/8/2019 0:00	-0.663	-0.656
587945	8/9/2019 0:00	-0.671	-0.656
587946	8/10/2019 0:00	-0.66	-0.656
587947	8/11/2019 0:00	-0.651	-0.655
587948	8/12/2019 0:00	-0.696	-0.655
587949	8/13/2019 0:00	-0.655	-0.655
587950	8/14/2019 0:00	-0.669	-0.655
587951	8/15/2019 0:00	-0.635	-0.655
587952	8/16/2019 0:00	-0.645	-0.655
587953	8/17/2019 0:00	-0.654	-0.654
587954	8/18/2019 0:00	-0.66	-0.654
587955	8/19/2019 0:00	-0.648	-0.654
587956	8/20/2019 0:00	-0.636	-0.654
587957	8/21/2019 0:00	-0.628	-0.655
587958	8/22/2019 0:00	-0.642	-0.656
587959	8/23/2019 0:00	-0.652	-0.656
587960	8/24/2019 0:00	-0.639	-0.656
587961	8/25/2019 0:00	-0.661	-0.656
587962	8/26/2019 0:00	-0.654	-0.656
587963	8/27/2019 0:00	-0.656	-0.656
587964	8/28/2019 0:00	-0.668	-0.654
587965	8/29/2019 0:00	-0.656	-0.654
587966	8/30/2019 0:00	-0.655	-0.654
587967	8/31/2019 0:00	-0.643	-0.655
587968	9/1/2019 0:00	-0.651	-0.656
587969	9/2/2019 0:00	-0.672	-0.656
587970	9/3/2019 0:00	-0.658	-0.656
587971	9/4/2019 0:00	-0.672	-0.656
587972	9/5/2019 0:00	-0.666	-0.657
587973	9/6/2019 0:00	-0.665	-0.658
587974	9/7/2019 0:00	-0.665	-0.658
587975	9/8/2019 0:00	-0.642	-0.658
587976	9/9/2019 0:00	-0.671	-0.659
587977	9/10/2019 0:00	-0.66	-0.658
587978	9/11/2019 0:00	-0.644	-0.658
587979	9/12/2019 0:00	-0.653	-0.657
587980	9/13/2019 0:00	-0.658	-0.656
587981	9/14/2019 0:00	-0.663	-0.655
587982	9/15/2019 0:00	-0.666	-0.655
587983	9/16/2019 0:00	-0.66	-0.655
587984	9/17/2019 0:00	-0.662	-0.656
587985	9/18/2019 0:00	-0.666	-0.656
587986	9/19/2019 0:00	-0.664	-0.657
587987	9/20/2019 0:00	-0.654	-0.656
587988	9/21/2019 0:00	-0.653	-0.656
587989	9/22/2019 0:00	-0.656	-0.655
587990	9/23/2019 0:00	-0.646	-0.655
587991	9/24/2019 0:00	-0.66	-0.656
587992	9/25/2019 0:00	-0.642	-0.655
587993	9/26/2019 0:00	-0.635	-0.655
587994	9/27/2019 0:00	-0.647	-0.655
587995	9/28/2019 0:00	-0.626	-0.654
587996	9/29/2019 0:00	-0.642	-0.654
587997	9/30/2019 0:00	-0.646	-0.654
587998	10/1/2019 0:00	-0.655	-0.654
587999	10/2/2019 0:00	-0.67	-0.653
588000	10/3/2019 0:00	-0.669	-0.652
588001	10/4/2019 0:00	-0.678	-0.651
588002	10/5/2019 0:00	-0.66	-0.65
588003	10/6/2019 0:00	-0.656	-0.65
588004	10/7/2019 0:00	-0.648	-0.649
588005	10/8/2019 0:00	-0.657	-0.649
588006	10/9/2019 0:00	-0.66	-0.649
588007	10/10/2019 0:00	-0.659	-0.648

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588008	10/11/2019 0:00	-0.643	-0.648
588009	10/12/2019 0:00	-0.642	-0.648
588010	10/13/2019 0:00	-0.632	-0.648
588011	10/14/2019 0:00	-0.653	-0.649
588012	10/15/2019 0:00	-0.66	-0.649
588013	10/16/2019 0:00	-0.663	-0.649
588014	10/17/2019 0:00	-0.637	-0.649
588015	10/18/2019 0:00	-0.628	-0.649
588016	10/19/2019 0:00	-0.65	-0.648
588017	10/20/2019 0:00	-0.637	-0.647
588018	10/21/2019 0:00	-0.63	-0.646
588019	10/22/2019 0:00	-0.64	-0.647
588020	10/23/2019 0:00	-0.642	-0.647
588021	10/24/2019 0:00	-0.654	-0.647
588022	10/25/2019 0:00	-0.644	-0.647
588023	10/26/2019 0:00	-0.626	-0.647
588024	10/27/2019 0:00	-0.637	-0.647
588025	10/28/2019 0:00	-0.646	-0.648
588026	10/29/2019 0:00	-0.652	-0.648
588027	10/30/2019 0:00	-0.651	-0.647
588028	10/31/2019 0:00	-0.655	-0.647
588029	11/1/2019 0:00	-0.645	-0.647
588030	11/2/2019 0:00	-0.656	-0.647
588031	11/3/2019 0:00	-0.648	-0.648
588032	11/4/2019 0:00	-0.646	-0.647
588033	11/5/2019 0:00	-0.639	-0.646
588034	11/6/2019 0:00	-0.666	-0.646
588035	11/7/2019 0:00	-0.655	-0.646
588036	11/8/2019 0:00	-0.659	-0.646
588037	11/9/2019 0:00	-0.665	-0.646
588038	11/10/2019 0:00	-0.66	-0.646
588039	11/11/2019 0:00	-0.651	-0.646
588040	11/12/2019 0:00	-0.657	-0.646
588041	11/13/2019 0:00	-0.638	-0.646
588042	11/14/2019 0:00	-0.633	-0.646
588043	11/15/2019 0:00	-0.654	-0.646
588044	11/16/2019 0:00	-0.656	-0.646
588045	11/17/2019 0:00	-0.651	-0.646
588046	11/18/2019 0:00	-0.634	-0.646
588047	11/19/2019 0:00	-0.619	-0.646
588048	11/20/2019 0:00	-0.62	-0.647
588049	11/21/2019 0:00	-0.637	-0.648
588050	11/22/2019 0:00	-0.63	-0.647
588051	11/23/2019 0:00	-0.642	-0.647
588052	11/24/2019 0:00	-0.648	-0.647
588053	11/25/2019 0:00	-0.636	-0.646
588054	11/26/2019 0:00	-0.65	-0.648
588055	11/27/2019 0:00	-0.628	-0.649
588056	11/28/2019 0:00	-0.639	-0.65
588057	11/29/2019 0:00	-0.65	-0.65
588058	11/30/2019 0:00	-0.67	-0.651
588059	12/1/2019 0:00	-0.656	-0.651
588060	12/2/2019 0:00	-0.638	-0.651
588061	12/3/2019 0:00	-0.641	-0.651
588062	12/4/2019 0:00	-0.664	-0.652
588063	12/5/2019 0:00	-0.656	-0.654
588064	12/6/2019 0:00	-0.676	-0.655
588065	12/7/2019 0:00	-0.637	-0.656
588066	12/8/2019 0:00	-0.646	-0.657
588067	12/9/2019 0:00	-0.662	-0.658
588068	12/10/2019 0:00	-0.658	-0.658
588069	12/11/2019 0:00	-0.704	-0.658
588070	12/12/2019 0:00	-0.675	-0.658
588071	12/13/2019 0:00	-0.688	-0.658
588072	12/14/2019 0:00	-0.662	-0.659
588073	12/15/2019 0:00	-0.648	-0.66
588074	12/16/2019 0:00	-0.645	-0.659
588075	12/17/2019 0:00	-0.67	-0.659
588076	12/18/2019 0:00	-0.659	-0.659
588077	12/19/2019 0:00	-0.659	-0.66
588078	12/20/2019 0:00	-0.663	-0.661
588079	12/21/2019 0:00	-0.654	-0.662
588080	12/22/2019 0:00	-0.675	-0.662
588081	12/23/2019 0:00	-0.669	-0.663

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588082	12/24/2019 0:00	-0.673	-0.663
588083	12/25/2019 0:00	-0.646	-0.663
588084	12/26/2019 0:00	-0.637	-0.664
588085	12/27/2019 0:00	-0.634	-0.663
588086	12/28/2019 0:00	-0.651	-0.663
588087	12/29/2019 0:00	-0.658	-0.663
588088	12/30/2019 0:00	-0.679	-0.663
588089	12/31/2019 0:00	-0.651	-0.663
588090	1/1/2020 0:00	-0.646	-0.664
588091	1/2/2020 0:00	-0.653	-0.664
588092	1/3/2020 0:00	-0.667	-0.664
588093	1/4/2020 0:00	-0.677	-0.665
588094	1/5/2020 0:00	-0.694	-0.665
588095	1/6/2020 0:00	-0.681	-0.665
588096	1/7/2020 0:00	-0.665	-0.665
588097	1/8/2020 0:00	-0.648	-0.665
588098	1/9/2020 0:00	-0.658	-0.664
588099	1/10/2020 0:00	-0.682	-0.665
588100	1/11/2020 0:00	-0.683	-0.666
588101	1/12/2020 0:00	-0.679	-0.667
588102	1/13/2020 0:00	-0.679	-0.667
588103	1/14/2020 0:00	-0.662	-0.668
588104	1/15/2020 0:00	-0.656	-0.667
588105	1/16/2020 0:00	-0.671	-0.667
588106	1/17/2020 0:00	-0.67	-0.668
588107	1/18/2020 0:00	-0.668	-0.669
588108	1/19/2020 0:00	-0.672	-0.669
588109	1/20/2020 0:00	-0.663	-0.669
588110	1/21/2020 0:00	-0.677	-0.667
588111	1/22/2020 0:00	-0.677	-0.666
588112	1/23/2020 0:00	-0.652	-0.666
588113	1/24/2020 0:00	-0.662	-0.667
588114	1/25/2020 0:00	-0.671	-0.666
588115	1/26/2020 0:00	-0.651	-0.665
588116	1/27/2020 0:00	-0.663	-0.664
588117	1/28/2020 0:00	-0.667	-0.664
588118	1/29/2020 0:00	-0.674	-0.664
588119	1/30/2020 0:00	-0.651	-0.663
588120	1/31/2020 0:00	-0.66	-0.664
588121	2/1/2020 0:00	-0.672	-0.664
588122	2/2/2020 0:00	-0.671	-0.664
588123	2/3/2020 0:00	-0.671	-0.664
588124	2/4/2020 0:00	-0.674	-0.664
588125	2/5/2020 0:00	-0.651	-0.664
588126	2/6/2020 0:00	-0.65	-0.663
588127	2/7/2020 0:00	-0.669	-0.663
588128	2/8/2020 0:00	-0.66	-0.663
588129	2/9/2020 0:00	-0.646	-0.663
588130	2/10/2020 0:00	-0.645	-0.663
588131	2/11/2020 0:00	-0.665	-0.665
588132	2/12/2020 0:00	-0.669	-0.665
588133	2/13/2020 0:00	-0.665	-0.665
588134	2/14/2020 0:00	-0.653	-0.664
588135	2/15/2020 0:00	-0.677	-0.665
588136	2/16/2020 0:00	-0.676	-0.664
588137	2/17/2020 0:00	-0.666	-0.664
588138	2/18/2020 0:00	-0.664	-0.664
588139	2/19/2020 0:00	-0.665	-0.664
588140	2/20/2020 0:00	-0.668	-0.664
588141	2/21/2020 0:00	-0.662	-0.665
588142	2/22/2020 0:00	-0.667	-0.666
588143	2/23/2020 0:00	-0.652	-0.666
588144	2/24/2020 0:00	-0.671	-0.666
588145	2/25/2020 0:00	-0.672	-0.666
588146	2/26/2020 0:00	-0.693	-0.667
588147	2/27/2020 0:00	-0.677	-0.666
588148	2/28/2020 0:00	-0.65	-0.667
588149	2/29/2020 0:00	-0.662	-0.668
588150	3/1/2020 0:00	-0.665	-0.669
588151	3/2/2020 0:00	-0.649	-0.668
588152	3/3/2020 0:00	-0.659	-0.668
588153	3/4/2020 0:00	-0.682	-0.668
588154	3/5/2020 0:00	-0.669	-0.668
588155	3/6/2020 0:00	-0.67	-0.669

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588156	3/7/2020 0:00	-0.691	-0.668
588157	3/8/2020 0:00	-0.68	-0.668
588158	3/9/2020 0:00	-0.66	-0.669
588159	3/10/2020 0:00	-0.666	-0.669
588160	3/11/2020 0:00	-0.647	-0.669
588161	3/12/2020 0:00	-0.652	-0.668
588162	3/13/2020 0:00	-0.659	-0.668
588163	3/14/2020 0:00	-0.697	-0.668
588164	3/15/2020 0:00	-0.7	-0.669
588165	3/16/2020 0:00	-0.671	-0.67
588166	3/17/2020 0:00	-0.65	-0.671
588167	3/18/2020 0:00	-0.673	-0.672
588168	3/19/2020 0:00	-0.662	-0.672
588169	3/20/2020 0:00	-0.676	-0.672
588170	3/21/2020 0:00	-0.671	-0.671
588171	3/22/2020 0:00	-0.661	-0.671
588172	3/23/2020 0:00	-0.666	-0.671
588173	3/24/2020 0:00	-0.674	-0.67
588174	3/25/2020 0:00	-0.675	-0.67
588175	3/26/2020 0:00	-0.651	-0.671
588176	3/27/2020 0:00	-0.655	-0.671
588177	3/28/2020 0:00	-0.684	-0.672
588178	3/29/2020 0:00	-0.673	-0.672
588179	3/30/2020 0:00	-0.687	-0.671
588180	3/31/2020 0:00	-0.697	-0.67
588181	4/1/2020 0:00	-0.696	-0.669
588182	4/2/2020 0:00	-0.676	-0.67
588183	4/3/2020 0:00	-0.676	-0.668
588184	4/4/2020 0:00	-0.667	-0.668
588185	4/5/2020 0:00	-0.652	-0.666
588186	4/6/2020 0:00	-0.662	-0.666
588187	4/7/2020 0:00	-0.68	-0.666
588188	4/8/2020 0:00	-0.665	-0.666
588189	4/9/2020 0:00	-0.664	-0.665
588190	4/10/2020 0:00	-0.679	-0.665
588191	4/11/2020 0:00	-0.661	-0.665
588192	4/12/2020 0:00	-0.662	-0.666
588193	4/13/2020 0:00	-0.663	-0.664
588194	4/14/2020 0:00	-0.661	-0.664
588195	4/15/2020 0:00	-0.666	-0.663
588196	4/16/2020 0:00	-0.666	-0.661
588197	4/17/2020 0:00	-0.655	-0.66
588198	4/18/2020 0:00	-0.64	-0.659
588199	4/19/2020 0:00	-0.643	-0.659
588200	4/20/2020 0:00	-0.631	-0.659
588201	4/21/2020 0:00	-0.664	-0.659
588202	4/22/2020 0:00	-0.668	-0.659
588203	4/23/2020 0:00	-0.643	-0.658
588204	4/24/2020 0:00	-0.664	-0.659
588205	4/25/2020 0:00	-0.652	-0.659
588206	4/26/2020 0:00	-0.664	-0.658
588207	4/27/2020 0:00	-0.671	-0.658
588208	4/28/2020 0:00	-0.648	-0.658
588209	4/29/2020 0:00	-0.668	-0.657
588210	4/30/2020 0:00	-0.642	-0.657
588211	5/1/2020 0:00	-0.642	-0.657
588212	5/2/2020 0:00	-0.664	-0.656
588213	5/3/2020 0:00	-0.649	-0.656
588214	5/4/2020 0:00	-0.663	-0.656
588215	5/5/2020 0:00	-0.662	-0.657
588216	5/6/2020 0:00	-0.659	-0.658
588217	5/7/2020 0:00	-0.656	-0.658
588218	5/8/2020 0:00	-0.667	-0.657
588219	5/9/2020 0:00	-0.678	-0.658
588220	5/10/2020 0:00	-0.67	-0.659
588221	5/11/2020 0:00	-0.654	-0.659
588222	5/12/2020 0:00	-0.657	-0.659
588223	5/13/2020 0:00	-0.668	-0.658
588224	5/14/2020 0:00	-0.644	-0.659
588225	5/15/2020 0:00	-0.65	-0.659
588226	5/16/2020 0:00	-0.672	-0.659
588227	5/17/2020 0:00	-0.639	-0.66
588228	5/18/2020 0:00	-0.636	-0.66
588229	5/19/2020 0:00	-0.662	-0.66

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588230	5/20/2020 0:00	-0.671	-0.66
588231	5/21/2020 0:00	-0.666	-0.659
588232	5/22/2020 0:00	-0.645	-0.659
588233	5/23/2020 0:00	-0.656	-0.659
588234	5/24/2020 0:00	-0.67	-0.659
588235	5/25/2020 0:00	-0.68	-0.658
588236	5/26/2020 0:00	-0.659	-0.657
588237	5/27/2020 0:00	-0.658	-0.657
588238	5/28/2020 0:00	-0.657	-0.657
588239	5/29/2020 0:00	-0.668	-0.657
588240	5/30/2020 0:00	-0.672	-0.658
588241	5/31/2020 0:00	-0.646	-0.658
588242	6/1/2020 0:00	-0.655	-0.657
588243	6/2/2020 0:00	-0.657	-0.657
588244	6/3/2020 0:00	-0.655	-0.658
588245	6/4/2020 0:00	-0.663	-0.657
588246	6/5/2020 0:00	-0.646	-0.656
588247	6/6/2020 0:00	-0.659	-0.656
588248	6/7/2020 0:00	-0.659	-0.656
588249	6/8/2020 0:00	-0.646	-0.656
588250	6/9/2020 0:00	-0.65	-0.655
588251	6/10/2020 0:00	-0.652	-0.654
588252	6/11/2020 0:00	-0.655	-0.655
588253	6/12/2020 0:00	-0.664	-0.654
588254	6/13/2020 0:00	-0.657	-0.654
588255	6/14/2020 0:00	-0.659	-0.653
588256	6/15/2020 0:00	-0.65	-0.652
588257	6/16/2020 0:00	-0.65	-0.652
588258	6/17/2020 0:00	-0.631	-0.651
588259	6/18/2020 0:00	-0.665	-0.651
588260	6/19/2020 0:00	-0.648	-0.652
588261	6/20/2020 0:00	-0.65	-0.652
588262	6/21/2020 0:00	-0.647	-0.653
588263	6/22/2020 0:00	-0.648	-0.652
588264	6/23/2020 0:00	-0.648	-0.652
588265	6/24/2020 0:00	-0.656	-0.651
588266	6/25/2020 0:00	-0.658	-0.651
588267	6/26/2020 0:00	-0.67	-0.651
588268	6/27/2020 0:00	-0.64	-0.651
588269	6/28/2020 0:00	-0.634	-0.651
588270	6/29/2020 0:00	-0.657	-0.65
588271	6/30/2020 0:00	-0.638	-0.651
588272	7/1/2020 0:00	-0.633	-0.651
588273	7/2/2020 0:00	-0.642	-0.651
588274	7/3/2020 0:00	-0.665	-0.652
588275	7/4/2020 0:00	-0.662	-0.651
588276	7/5/2020 0:00	-0.674	-0.651
588277	7/6/2020 0:00	-0.666	-0.652
588278	7/7/2020 0:00	-0.652	-0.652
588279	7/8/2020 0:00	-0.631	-0.652
588280	7/9/2020 0:00	-0.642	-0.652
588281	7/10/2020 0:00	-0.635	-0.652
588282	7/11/2020 0:00	-0.651	-0.653
588283	7/12/2020 0:00	-0.645	-0.652
588284	7/13/2020 0:00	-0.669	-0.652
588285	7/14/2020 0:00	-0.65	-0.653
588286	7/15/2020 0:00	-0.664	-0.653
588287	7/16/2020 0:00	-0.649	-0.655
588288	7/17/2020 0:00	-0.673	-0.656
588289	7/18/2020 0:00	-0.646	-0.657
588290	7/19/2020 0:00	-0.636	-0.657
588291	7/20/2020 0:00	-0.664	-0.658
588292	7/21/2020 0:00	-0.663	-0.657
588293	7/22/2020 0:00	-0.645	-0.657
588294	7/23/2020 0:00	-0.651	-0.657
588295	7/24/2020 0:00	-0.651	-0.658
588296	7/25/2020 0:00	-0.668	-0.659
588297	7/26/2020 0:00	-0.67	-0.66
588298	7/27/2020 0:00	-0.636	-0.66
588299	7/28/2020 0:00	-0.651	-0.661
588300	7/29/2020 0:00	-0.663	-0.662
588301	7/30/2020 0:00	-0.663	-0.663
588302	7/31/2020 0:00	-0.686	-0.664
588303	8/1/2020 0:00	-0.673	-0.665



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588304	8/2/2020 0:00	-0.663	-0.665
588305	8/3/2020 0:00	-0.683	-0.666
588306	8/4/2020 0:00	-0.676	-0.667
588307	8/5/2020 0:00	-0.653	-0.667
588308	8/6/2020 0:00	-0.666	-0.668
588309	8/7/2020 0:00	-0.654	-0.669
588310	8/8/2020 0:00	-0.663	-0.67
588311	8/9/2020 0:00	-0.673	-0.671
588312	8/10/2020 0:00	-0.666	-0.67
588313	8/11/2020 0:00	-0.662	-0.67
588314	8/12/2020 0:00	-0.671	-0.671
588315	8/13/2020 0:00	-0.695	-0.672
588316	8/14/2020 0:00	-0.68	-0.672
588317	8/15/2020 0:00	-0.692	-0.672
588318	8/16/2020 0:00	-0.67	-0.671
588319	8/17/2020 0:00	-0.679	-0.671
588320	8/18/2020 0:00	-0.681	-0.671
588321	8/19/2020 0:00	-0.674	-0.671
588322	8/20/2020 0:00	-0.663	-0.671
588323	8/21/2020 0:00	-0.696	-0.672
588324	8/22/2020 0:00	-0.673	-0.672
588325	8/23/2020 0:00	-0.681	-0.673
588326	8/24/2020 0:00	-0.678	-0.672
588327	8/25/2020 0:00	-0.636	-0.672
588328	8/26/2020 0:00	-0.664	-0.673
588329	8/27/2020 0:00	-0.679	-0.673
588330	8/28/2020 0:00	-0.671	-0.673
588331	8/29/2020 0:00	-0.664	-0.673
588332	8/30/2020 0:00	-0.666	-0.673
588333	8/31/2020 0:00	-0.665	-0.673
588334	9/1/2020 0:00	-0.665	-0.674
588335	9/2/2020 0:00	-0.67	-0.674
588336	9/3/2020 0:00	-0.671	-0.674
588337	9/4/2020 0:00	-0.676	-0.674
588338	9/5/2020 0:00	-0.696	-0.675
588339	9/6/2020 0:00	-0.662	-0.674
588340	9/7/2020 0:00	-0.665	-0.674
588341	9/8/2020 0:00	-0.662	-0.674
588342	9/9/2020 0:00	-0.667	-0.675
588343	9/10/2020 0:00	-0.683	-0.676
588344	9/11/2020 0:00	-0.672	-0.676
588345	9/12/2020 0:00	-0.683	-0.676
588346	9/13/2020 0:00	-0.682	-0.676
588347	9/14/2020 0:00	-0.686	-0.676
588348	9/15/2020 0:00	-0.691	-0.677
588349	9/16/2020 0:00	-0.691	-0.677
588350	9/17/2020 0:00	-0.69	-0.677
588351	9/18/2020 0:00	-0.685	-0.677
588352	9/19/2020 0:00	-0.657	-0.677
588353	9/20/2020 0:00	-0.69	-0.677
588354	9/21/2020 0:00	-0.673	-0.676
588355	9/22/2020 0:00	-0.679	-0.677
588356	9/23/2020 0:00	-0.689	-0.676
588357	9/24/2020 0:00	-0.685	-0.677
588358	9/25/2020 0:00	-0.679	-0.677
588359	9/26/2020 0:00	-0.674	-0.677
588360	9/27/2020 0:00	-0.679	-0.677
588361	9/28/2020 0:00	-0.658	-0.676
588362	9/29/2020 0:00	-0.671	-0.675
588363	9/30/2020 0:00	-0.677	-0.675
588364	10/1/2020 0:00	-0.682	-0.674
588365	10/2/2020 0:00	-0.669	-0.675
588366	10/3/2020 0:00	-0.664	-0.674
588367	10/4/2020 0:00	-0.667	-0.674
588368	10/5/2020 0:00	-0.678	-0.674
588369	10/6/2020 0:00	-0.679	-0.674
588370	10/7/2020 0:00	-0.672	-0.674
588371	10/8/2020 0:00	-0.66	-0.675
588372	10/9/2020 0:00	-0.676	-0.674
588373	10/10/2020 0:00	-0.681	-0.674
588374	10/11/2020 0:00	-0.671	-0.673
588375	10/12/2020 0:00	-0.66	-0.673
588376	10/13/2020 0:00	-0.672	-0.673
588377	10/14/2020 0:00	-0.654	-0.674

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588378	10/15/2020 0:00	-0.668	-0.674
588379	10/16/2020 0:00	-0.676	-0.674
588380	10/17/2020 0:00	-0.696	-0.674
588381	10/18/2020 0:00	-0.681	-0.674
588382	10/19/2020 0:00	-0.674	-0.675
588383	10/20/2020 0:00	-0.675	-0.675
588384	10/21/2020 0:00	-0.678	-0.675
588385	10/22/2020 0:00	-0.68	-0.675
588386	10/23/2020 0:00	-0.687	-0.674
588387	10/24/2020 0:00	-0.67	-0.674
588388	10/25/2020 0:00	-0.673	-0.673
588389	10/26/2020 0:00	-0.658	-0.672
588390	10/27/2020 0:00	-0.686	-0.672
588391	10/28/2020 0:00	-0.677	-0.672
588392	10/29/2020 0:00	-0.671	-0.672
588393	10/30/2020 0:00	-0.685	-0.672
588394	10/31/2020 0:00	-0.681	-0.673
588395	11/1/2020 0:00	-0.684	-0.672
588396	11/2/2020 0:00	-0.674	-0.671
588397	11/3/2020 0:00	-0.67	-0.672
588398	11/4/2020 0:00	-0.684	-0.671
588399	11/5/2020 0:00	-0.679	-0.671
588400	11/6/2020 0:00	-0.667	-0.67
588401	11/7/2020 0:00	-0.656	-0.67
588402	11/8/2020 0:00	-0.642	-0.67
588403	11/9/2020 0:00	-0.653	-0.669
588404	11/10/2020 0:00	-0.665	-0.669
588405	11/11/2020 0:00	-0.66	-0.669
588406	11/12/2020 0:00	-0.668	-0.669
588407	11/13/2020 0:00	-0.661	-0.668
588408	11/14/2020 0:00	-0.654	-0.668
588409	11/15/2020 0:00	-0.689	-0.668
588410	11/16/2020 0:00	-0.654	-0.667
588411	11/17/2020 0:00	-0.664	-0.668
588412	11/18/2020 0:00	-0.702	-0.668
588413	11/19/2020 0:00	-0.649	-0.669
588414	11/20/2020 0:00	-0.667	-0.669
588415	11/21/2020 0:00	-0.671	-0.669
588416	11/22/2020 0:00	-0.674	-0.671
588417	11/23/2020 0:00	-0.67	-0.672
588418	11/24/2020 0:00	-0.655	-0.673
588419	11/25/2020 0:00	-0.676	-0.674
588420	11/26/2020 0:00	-0.665	-0.674
588421	11/27/2020 0:00	-0.667	-0.675
588422	11/28/2020 0:00	-0.663	-0.676
588423	11/29/2020 0:00	-0.668	-0.676
588424	11/30/2020 0:00	-0.663	-0.677
588425	12/1/2020 0:00	-0.667	-0.677
588426	12/2/2020 0:00	-0.698	-0.679
588427	12/3/2020 0:00	-0.683	-0.679
588428	12/4/2020 0:00	-0.689	-0.679
588429	12/5/2020 0:00	-0.696	-0.679
588430	12/6/2020 0:00	-0.697	-0.679
588431	12/7/2020 0:00	-0.698	-0.68
588432	12/8/2020 0:00	-0.694	-0.68
588433	12/9/2020 0:00	-0.683	-0.68
588434	12/10/2020 0:00	-0.68	-0.68
588435	12/11/2020 0:00	-0.67	-0.68
588436	12/12/2020 0:00	-0.696	-0.68
588437	12/13/2020 0:00	-0.678	-0.681
588438	12/14/2020 0:00	-0.683	-0.681
588439	12/15/2020 0:00	-0.687	-0.681
588440	12/16/2020 0:00	-0.69	-0.682
588441	12/17/2020 0:00	-0.696	-0.682
588442	12/18/2020 0:00	-0.684	-0.682
588443	12/19/2020 0:00	-0.679	-0.681
588444	12/20/2020 0:00	-0.666	-0.681
588445	12/21/2020 0:00	-0.675	-0.681
588446	12/22/2020 0:00	-0.672	-0.68
588447	12/23/2020 0:00	-0.683	-0.68
588448	12/24/2020 0:00	-0.684	-0.679
588449	12/25/2020 0:00	-0.66	-0.679
588450	12/26/2020 0:00	-0.659	-0.68
588451	12/27/2020 0:00	-0.668	-0.68

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588452	12/28/2020 0:00	-0.691	-0.68
588453	12/29/2020 0:00	-0.673	-0.681
588454	12/30/2020 0:00	-0.682	-0.68
588455	12/31/2020 0:00	-0.668	-0.68
588456	1/1/2021 0:00	-0.688	-0.679
588457	1/2/2021 0:00	-0.678	-0.678
588458	1/3/2021 0:00	-0.674	-0.678
588459	1/4/2021 0:00	-0.676	-0.677
588460	1/5/2021 0:00	-0.683	-0.677
588461	1/6/2021 0:00	-0.673	-0.677
588462	1/7/2021 0:00	-0.692	-0.677
588463	1/8/2021 0:00	-0.684	-0.676
588464	1/9/2021 0:00	-0.689	-0.676
588465	1/10/2021 0:00	-0.698	-0.677
588466	1/11/2021 0:00	-0.681	-0.677
588467	1/12/2021 0:00	-0.69	-0.677
588468	1/13/2021 0:00	-0.693	-0.678
588469	1/14/2021 0:00	-0.666	-0.679
588470	1/15/2021 0:00	-0.671	-0.679
588471	1/16/2021 0:00	-0.674	-0.68
588472	1/17/2021 0:00	-0.663	-0.68
588473	1/18/2021 0:00	-0.681	-0.681
588474	1/19/2021 0:00	-0.656	-0.682
588475	1/20/2021 0:00	-0.673	-0.683
588476	1/21/2021 0:00	-0.672	-0.683
588477	1/22/2021 0:00	-0.654	-0.684
588478	1/23/2021 0:00	-0.676	-0.684
588479	1/24/2021 0:00	-0.674	-0.683
588480	1/25/2021 0:00	-0.678	-0.684
588481	1/26/2021 0:00	-0.666	-0.684
588482	1/27/2021 0:00	-0.682	-0.684
588483	1/28/2021 0:00	-0.71	-0.683
588484	1/29/2021 0:00	-0.698	-0.683
588485	1/30/2021 0:00	-0.687	-0.684
588486	1/31/2021 0:00	-0.692	-0.685
588487	2/1/2021 0:00	-0.709	-0.684
588488	2/2/2021 0:00	-0.711	-0.684
588489	2/3/2021 0:00	-0.7	-0.685
588490	2/4/2021 0:00	-0.691	-0.687
588491	2/5/2021 0:00	-0.698	-0.688
588492	2/6/2021 0:00	-0.685	-0.688
588493	2/7/2021 0:00	-0.69	-0.689
588494	2/8/2021 0:00	-0.68	-0.69
588495	2/9/2021 0:00	-0.692	-0.691
588496	2/10/2021 0:00	-0.696	-0.692
588497	2/11/2021 0:00	-0.693	-0.693
588498	2/12/2021 0:00	-0.676	-0.692
588499	2/13/2021 0:00	-0.666	-0.691
588500	2/14/2021 0:00	-0.71	-0.69
588501	2/15/2021 0:00	-0.691	-0.69
588502	2/16/2021 0:00	-0.667	-0.69
588503	2/17/2021 0:00	-0.66	-0.69
588504	2/18/2021 0:00	-0.708	-0.689
588505	2/19/2021 0:00	-0.713	-0.689
588506	2/20/2021 0:00	-0.698	-0.689
588507	2/21/2021 0:00	-0.685	-0.69
588508	2/22/2021 0:00	-0.685	-0.69
588509	2/23/2021 0:00	-0.701	-0.691
588510	2/24/2021 0:00	-0.712	-0.692
588511	2/25/2021 0:00	-0.701	-0.692
588512	2/26/2021 0:00	-0.684	-0.692
588513	2/27/2021 0:00	-0.664	-0.692
588514	2/28/2021 0:00	-0.666	-0.693
588515	3/1/2021 0:00	-0.696	-0.694
588516	3/2/2021 0:00	-0.68	-0.693
588517	3/3/2021 0:00	-0.69	-0.693
588518	3/4/2021 0:00	-0.692	-0.695
588519	3/5/2021 0:00	-0.698	-0.696
588520	3/6/2021 0:00	-0.684	-0.696
588521	3/7/2021 0:00	-0.701	-0.696
588522	3/8/2021 0:00	-0.717	-0.695
588523	3/9/2021 0:00	-0.706	-0.694
588524	3/10/2021 0:00	-0.699	-0.694
588525	3/11/2021 0:00	-0.714	-0.693

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588526	3/12/2021 0:00	-0.69	-0.693
588527	3/13/2021 0:00	-0.709	-0.692
588528	3/14/2021 0:00	-0.703	-0.692
588529	3/15/2021 0:00	-0.696	-0.693
588530	3/16/2021 0:00	-0.691	-0.694
588531	3/17/2021 0:00	-0.697	-0.694
588532	3/18/2021 0:00	-0.692	-0.695
588533	3/19/2021 0:00	-0.722	-0.694
588534	3/20/2021 0:00	-0.697	-0.694
588535	3/21/2021 0:00	-0.698	-0.694
588536	3/22/2021 0:00	-0.698	-0.694
588537	3/23/2021 0:00	-0.666	-0.693
588538	3/24/2021 0:00	-0.664	-0.692
588539	3/25/2021 0:00	-0.673	-0.691
588540	3/26/2021 0:00	-0.676	-0.691
588541	3/27/2021 0:00	-0.705	-0.69
588542	3/28/2021 0:00	-0.689	-0.689
588543	3/29/2021 0:00	-0.692	-0.688
588544	3/30/2021 0:00	-0.69	-0.687
588545	3/31/2021 0:00	-0.704	-0.687
588546	4/1/2021 0:00	-0.691	-0.686
588547	4/2/2021 0:00	-0.69	-0.686
588548	4/3/2021 0:00	-0.683	-0.685
588549	4/4/2021 0:00	-0.693	-0.684
588550	4/5/2021 0:00	-0.687	-0.683
588551	4/6/2021 0:00	-0.682	-0.682
588552	4/7/2021 0:00	-0.679	-0.681
588553	4/8/2021 0:00	-0.678	-0.681
588554	4/9/2021 0:00	-0.677	-0.682
588555	4/10/2021 0:00	-0.685	-0.681
588556	4/11/2021 0:00	-0.681	-0.681
588557	4/12/2021 0:00	-0.68	-0.68
588558	4/13/2021 0:00	-0.676	-0.68
588559	4/14/2021 0:00	-0.675	-0.68
588560	4/15/2021 0:00	-0.677	-0.68
588561	4/16/2021 0:00	-0.675	-0.678
588562	4/17/2021 0:00	-0.686	-0.678
588563	4/18/2021 0:00	-0.678	-0.677
588564	4/19/2021 0:00	-0.671	-0.677
588565	4/20/2021 0:00	-0.678	-0.677
588566	4/21/2021 0:00	-0.665	-0.676
588567	4/22/2021 0:00	-0.673	-0.676
588568	4/23/2021 0:00	-0.664	-0.676
588569	4/24/2021 0:00	-0.674	-0.677
588570	4/25/2021 0:00	-0.658	-0.677
588571	4/26/2021 0:00	-0.665	-0.677
588572	4/27/2021 0:00	-0.675	-0.677
588573	4/28/2021 0:00	-0.683	-0.678
588574	4/29/2021 0:00	-0.695	-0.679
588575	4/30/2021 0:00	-0.684	-0.68
588576	5/1/2021 0:00	-0.67	-0.68
588577	5/2/2021 0:00	-0.667	-0.68
588578	5/3/2021 0:00	-0.679	-0.681
588579	5/4/2021 0:00	-0.683	-0.682
588580	5/5/2021 0:00	-0.673	-0.683
588581	5/6/2021 0:00	-0.681	-0.684
588582	5/7/2021 0:00	-0.678	-0.685
588583	5/8/2021 0:00	-0.685	-0.686
588584	5/9/2021 0:00	-0.688	-0.688
588585	5/10/2021 0:00	-0.681	-0.688
588586	5/11/2021 0:00	-0.688	-0.689
588587	5/12/2021 0:00	-0.682	-0.689
588588	5/13/2021 0:00	-0.697	-0.689
588589	5/14/2021 0:00	-0.708	-0.689
588590	5/15/2021 0:00	-0.707	-0.689
588591	5/16/2021 0:00	-0.678	-0.689
588592	5/17/2021 0:00	-0.696	-0.689
588593	5/18/2021 0:00	-0.717	-0.69
588594	5/19/2021 0:00	-0.692	-0.69
588595	5/20/2021 0:00	-0.711	-0.69
588596	5/21/2021 0:00	-0.692	-0.69
588597	5/22/2021 0:00	-0.712	-0.69
588598	5/23/2021 0:00	-0.707	-0.689
588599	5/24/2021 0:00	-0.707	-0.69

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588600	5/25/2021 0:00	-0.68	-0.69
588601	5/26/2021 0:00	-0.687	-0.69
588602	5/27/2021 0:00	-0.683	-0.691
588603	5/28/2021 0:00	-0.675	-0.69
588604	5/29/2021 0:00	-0.685	-0.69
588605	5/30/2021 0:00	-0.67	-0.689
588606	5/31/2021 0:00	-0.69	-0.689
588607	6/1/2021 0:00	-0.685	-0.689
588608	6/2/2021 0:00	-0.68	-0.689
588609	6/3/2021 0:00	-0.691	-0.688
588610	6/4/2021 0:00	-0.677	-0.688
588611	6/5/2021 0:00	-0.668	-0.687
588612	6/6/2021 0:00	-0.677	-0.688
588613	6/7/2021 0:00	-0.667	-0.687
588614	6/8/2021 0:00	-0.702	-0.686
588615	6/9/2021 0:00	-0.706	-0.685
588616	6/10/2021 0:00	-0.687	-0.685
588617	6/11/2021 0:00	-0.69	-0.685
588618	6/12/2021 0:00	-0.68	-0.685
588619	6/13/2021 0:00	-0.689	-0.686
588620	6/14/2021 0:00	-0.683	-0.686
588621	6/15/2021 0:00	-0.702	-0.687
588622	6/16/2021 0:00	-0.679	-0.687
588623	6/17/2021 0:00	-0.686	-0.687
588624	6/18/2021 0:00	-0.692	-0.688
588625	6/19/2021 0:00	-0.693	-0.688
588626	6/20/2021 0:00	-0.687	-0.689
588627	6/21/2021 0:00	-0.7	-0.69
588628	6/22/2021 0:00	-0.674	-0.69
588629	6/23/2021 0:00	-0.684	-0.691
588630	6/24/2021 0:00	-0.684	-0.691
588631	6/25/2021 0:00	-0.67	-0.691
588632	6/26/2021 0:00	-0.691	-0.691
588633	6/27/2021 0:00	-0.692	-0.691
588634	6/28/2021 0:00	-0.693	-0.692
588635	6/29/2021 0:00	-0.695	-0.692
588636	6/30/2021 0:00	-0.697	-0.692
588637	7/1/2021 0:00	-0.689	-0.692
588638	7/2/2021 0:00	-0.686	-0.694
588639	7/3/2021 0:00	-0.709	-0.694
588640	7/4/2021 0:00	-0.698	-0.696
588641	7/5/2021 0:00	-0.694	-0.697
588642	7/6/2021 0:00	-0.71	-0.698
588643	7/7/2021 0:00	-0.687	-0.698
588644	7/8/2021 0:00	-0.699	-0.7
588645	7/9/2021 0:00	-0.69	-0.7
588646	7/10/2021 0:00	-0.705	-0.701
588647	7/11/2021 0:00	-0.687	-0.703
588648	7/12/2021 0:00	-0.697	-0.703
588649	7/13/2021 0:00	-0.697	-0.704
588650	7/14/2021 0:00	-0.698	-0.705
588651	7/15/2021 0:00	-0.692	-0.705
588652	7/16/2021 0:00	-0.702	-0.706
588653	7/17/2021 0:00	-0.733	-0.708
588654	7/18/2021 0:00	-0.703	-0.709
588655	7/19/2021 0:00	-0.731	-0.71
588656	7/20/2021 0:00	-0.719	-0.71
588657	7/21/2021 0:00	-0.726	-0.711
588658	7/22/2021 0:00	-0.715	-0.71
588659	7/23/2021 0:00	-0.72	-0.711
588660	7/24/2021 0:00	-0.694	-0.711
588661	7/25/2021 0:00	-0.712	-0.712
588662	7/26/2021 0:00	-0.717	-0.712
588663	7/27/2021 0:00	-0.695	-0.713
588664	7/28/2021 0:00	-0.719	-0.713
588665	7/29/2021 0:00	-0.728	-0.714
588666	7/30/2021 0:00	-0.72	-0.716
588667	7/31/2021 0:00	-0.724	-0.717
588668	8/1/2021 0:00	-0.734	-0.717
588669	8/2/2021 0:00	-0.726	-0.717
588670	8/3/2021 0:00	-0.726	-0.717
588671	8/4/2021 0:00	-0.71	-0.716
588672	8/5/2021 0:00	-0.709	-0.716
588673	8/6/2021 0:00	-0.702	-0.715

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588674	8/7/2021 0:00	-0.713	-0.714
588675	8/8/2021 0:00	-0.701	-0.714
588676	8/9/2021 0:00	-0.722	-0.715
588677	8/10/2021 0:00	-0.709	-0.716
588678	8/11/2021 0:00	-0.708	-0.716
588679	8/12/2021 0:00	-0.714	-0.717
588680	8/13/2021 0:00	-0.722	-0.716
588681	8/14/2021 0:00	-0.744	-0.716
588682	8/15/2021 0:00	-0.721	-0.715
588683	8/16/2021 0:00	-0.726	-0.714
588684	8/17/2021 0:00	-0.707	-0.713
588685	8/18/2021 0:00	-0.718	-0.712
588686	8/19/2021 0:00	-0.703	-0.711
588687	8/20/2021 0:00	-0.717	-0.711
588688	8/21/2021 0:00	-0.697	-0.712
588689	8/22/2021 0:00	-0.69	-0.713
588690	8/23/2021 0:00	-0.709	-0.712
588691	8/24/2021 0:00	-0.728	-0.712
588692	8/25/2021 0:00	-0.724	-0.712
588693	8/26/2021 0:00	-0.719	-0.712
588694	8/27/2021 0:00	-0.726	-0.711
588695	8/28/2021 0:00	-0.7	-0.711
588696	8/29/2021 0:00	-0.719	-0.71
588697	8/30/2021 0:00	-0.704	-0.708
588698	8/31/2021 0:00	-0.697	-0.707
588699	9/1/2021 0:00	-0.687	-0.706
588700	9/2/2021 0:00	-0.714	-0.706
588701	9/3/2021 0:00	-0.694	-0.705
588702	9/4/2021 0:00	-0.714	-0.705
588703	9/5/2021 0:00	-0.732	-0.705
588704	9/6/2021 0:00	-0.714	-0.705
588705	9/7/2021 0:00	-0.699	-0.705
588706	9/8/2021 0:00	-0.691	-0.705
588707	9/9/2021 0:00	-0.713	-0.704
588708	9/10/2021 0:00	-0.707	-0.704
588709	9/11/2021 0:00	-0.702	-0.702
588710	9/12/2021 0:00	-0.703	-0.702
588711	9/13/2021 0:00	-0.696	-0.702
588712	9/14/2021 0:00	-0.685	-0.701
588713	9/15/2021 0:00	-0.682	-0.701
588714	9/16/2021 0:00	-0.695	-0.701
588715	9/17/2021 0:00	-0.703	-0.701
588716	9/18/2021 0:00	-0.691	-0.7
588717	9/19/2021 0:00	-0.717	-0.699
588718	9/20/2021 0:00	-0.694	-0.699
588719	9/21/2021 0:00	-0.706	-0.697
588720	9/22/2021 0:00	-0.704	-0.697
588721	9/23/2021 0:00	-0.689	-0.697
588722	9/24/2021 0:00	-0.713	-0.697
588723	9/25/2021 0:00	-0.707	-0.696
588724	9/26/2021 0:00	-0.676	-0.695
588725	9/27/2021 0:00	-0.698	-0.694
588726	9/28/2021 0:00	-0.707	-0.693
588727	9/29/2021 0:00	-0.699	-0.693
588728	9/30/2021 0:00	-0.692	-0.693
588729	10/1/2021 0:00	-0.694	-0.693
588730	10/2/2021 0:00	-0.694	-0.693
588731	10/3/2021 0:00	-0.696	-0.692
588732	10/4/2021 0:00	-0.671	-0.693
588733	10/5/2021 0:00	-0.69	-0.692
588734	10/6/2021 0:00	-0.688	-0.692
588735	10/7/2021 0:00	-0.709	-0.693
588736	10/8/2021 0:00	-0.697	-0.692
588737	10/9/2021 0:00	-0.685	-0.692
588738	10/10/2021 0:00	-0.689	-0.691
588739	10/11/2021 0:00	-0.666	-0.691
588740	10/12/2021 0:00	-0.675	-0.692
588741	10/13/2021 0:00	-0.689	-0.692
588742	10/14/2021 0:00	-0.672	-0.691
588743	10/15/2021 0:00	-0.683	-0.691
588744	10/16/2021 0:00	-0.701	-0.692
588745	10/17/2021 0:00	-0.692	-0.691
588746	10/18/2021 0:00	-0.674	-0.692
588747	10/19/2021 0:00	-0.702	-0.693

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588748	10/20/2021 0:00	-0.703	-0.694
588749	10/21/2021 0:00	-0.702	-0.694
588750	10/22/2021 0:00	-0.728	-0.694
588751	10/23/2021 0:00	-0.683	-0.694
588752	10/24/2021 0:00	-0.68	-0.694
588753	10/25/2021 0:00	-0.693	-0.695
588754	10/26/2021 0:00	-0.687	-0.696
588755	10/27/2021 0:00	-0.709	-0.697
588756	10/28/2021 0:00	-0.693	-0.698
588757	10/29/2021 0:00	-0.702	-0.699
588758	10/30/2021 0:00	-0.696	-0.7
588759	10/31/2021 0:00	-0.697	-0.701
588760	11/1/2021 0:00	-0.68	-0.702
588761	11/2/2021 0:00	-0.72	-0.702
588762	11/3/2021 0:00	-0.714	-0.704
588763	11/4/2021 0:00	-0.704	-0.703
588764	11/5/2021 0:00	-0.704	-0.704
588765	11/6/2021 0:00	-0.688	-0.704
588766	11/7/2021 0:00	-0.698	-0.704
588767	11/8/2021 0:00	-0.703	-0.705
588768	11/9/2021 0:00	-0.727	-0.706
588769	11/10/2021 0:00	-0.719	-0.707
588770	11/11/2021 0:00	-0.694	-0.709
588771	11/12/2021 0:00	-0.715	-0.709
588772	11/13/2021 0:00	-0.711	-0.71
588773	11/14/2021 0:00	-0.703	-0.71
588774	11/15/2021 0:00	-0.71	-0.711
588775	11/16/2021 0:00	-0.717	-0.711
588776	11/17/2021 0:00	-0.711	-0.712
588777	11/18/2021 0:00	-0.719	-0.712
588778	11/19/2021 0:00	-0.694	-0.712
588779	11/20/2021 0:00	-0.709	-0.712
588780	11/21/2021 0:00	-0.721	-0.713
588781	11/22/2021 0:00	-0.729	-0.713
588782	11/23/2021 0:00	-0.704	-0.713
588783	11/24/2021 0:00	-0.702	-0.713
588784	11/25/2021 0:00	-0.743	-0.712
588785	11/26/2021 0:00	-0.732	-0.712
588786	11/27/2021 0:00	-0.726	-0.712
588787	11/28/2021 0:00	-0.721	-0.712
588788	11/29/2021 0:00	-0.704	-0.712
588789	11/30/2021 0:00	-0.713	-0.713
588790	12/1/2021 0:00	-0.719	-0.713
588791	12/2/2021 0:00	-0.705	-0.713
588792	12/3/2021 0:00	-0.708	-0.713
588793	12/4/2021 0:00	-0.716	-0.713
588794	12/5/2021 0:00	-0.705	-0.714
588795	12/6/2021 0:00	-0.721	-0.714
588796	12/7/2021 0:00	-0.702	-0.714
588797	12/8/2021 0:00	-0.706	-0.713
588798	12/9/2021 0:00	-0.701	-0.712
588799	12/10/2021 0:00	-0.695	-0.712
588800	12/11/2021 0:00	-0.705	-0.711
588801	12/12/2021 0:00	-0.713	-0.71
588802	12/13/2021 0:00	-0.696	-0.709
588803	12/14/2021 0:00	-0.73	-0.709
588804	12/15/2021 0:00	-0.719	-0.709
588805	12/16/2021 0:00	-0.703	-0.708
588806	12/17/2021 0:00	-0.73	-0.707
588807	12/18/2021 0:00	-0.718	-0.708
588808	12/19/2021 0:00	-0.717	-0.709
588809	12/20/2021 0:00	-0.712	-0.71
588810	12/21/2021 0:00	-0.703	-0.711
588811	12/22/2021 0:00	-0.725	-0.711
588812	12/23/2021 0:00	-0.716	-0.711
588813	12/24/2021 0:00	-0.672	-0.712
588814	12/25/2021 0:00	-0.693	-0.713
588815	12/26/2021 0:00	-0.712	-0.715
588816	12/27/2021 0:00	-0.701	-0.716
588817	12/28/2021 0:00	-0.693	-0.717
588818	12/29/2021 0:00	-0.721	-0.718
588819	12/30/2021 0:00	-0.695	-0.718
588820	12/31/2021 0:00	-0.693	-0.719
588821	1/1/2022 0:00	-0.702	-0.72

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588822	1/2/2022 0:00	-0.734	-0.72
588823	1/3/2022 0:00	-0.734	-0.72
588824	1/4/2022 0:00	-0.734	-0.721
588825	1/5/2022 0:00	-0.745	-0.722
588826	1/6/2022 0:00	-0.716	-0.724
588827	1/7/2022 0:00	-0.721	-0.724
588828	1/8/2022 0:00	-0.718	-0.725
588829	1/9/2022 0:00	-0.746	-0.726
588830	1/10/2022 0:00	-0.739	-0.728
588831	1/11/2022 0:00	-0.744	-0.729
588832	1/12/2022 0:00	-0.748	-0.73
588833	1/13/2022 0:00	-0.734	-0.731
588834	1/14/2022 0:00	-0.718	-0.732
588835	1/15/2022 0:00	-0.754	-0.733
588836	1/16/2022 0:00	-0.729	-0.734
588837	1/17/2022 0:00	-0.734	-0.735
588838	1/18/2022 0:00	-0.725	-0.734
588839	1/19/2022 0:00	-0.743	-0.734
588840	1/20/2022 0:00	-0.75	-0.735
588841	1/21/2022 0:00	-0.74	-0.735
588842	1/22/2022 0:00	-0.737	-0.736
588843	1/23/2022 0:00	-0.737	-0.736
588844	1/24/2022 0:00	-0.722	-0.736
588845	1/25/2022 0:00	-0.744	-0.735
588846	1/26/2022 0:00	-0.733	-0.735
588847	1/27/2022 0:00	-0.737	-0.734
588848	1/28/2022 0:00	-0.735	-0.734
588849	1/29/2022 0:00	-0.739	-0.734
588850	1/30/2022 0:00	-0.731	-0.734
588851	1/31/2022 0:00	-0.731	-0.733
588852	2/1/2022 0:00	-0.717	-0.733
588853	2/2/2022 0:00	-0.722	-0.732
588854	2/3/2022 0:00	-0.722	-0.732
588855	2/4/2022 0:00	-0.764	-0.732
588856	2/5/2022 0:00	-0.755	-0.731
588857	2/6/2022 0:00	-0.73	-0.731
588858	2/7/2022 0:00	-0.738	-0.73
588859	2/8/2022 0:00	-0.72	-0.73
588860	2/9/2022 0:00	-0.725	-0.73
588861	2/10/2022 0:00	-0.719	-0.73
588862	2/11/2022 0:00	-0.736	-0.73
588863	2/12/2022 0:00	-0.72	-0.731
588864	2/13/2022 0:00	-0.738	-0.731
588865	2/14/2022 0:00	-0.734	-0.731
588866	2/15/2022 0:00	-0.712	-0.731
588867	2/16/2022 0:00	-0.717	-0.731
588868	2/17/2022 0:00	-0.733	-0.731
588869	2/18/2022 0:00	-0.725	-0.731
588870	2/19/2022 0:00	-0.722	-0.731
588871	2/20/2022 0:00	-0.722	-0.731
588872	2/21/2022 0:00	-0.732	-0.73
588873	2/22/2022 0:00	-0.727	-0.73
588874	2/23/2022 0:00	-0.719	-0.731
588875	2/24/2022 0:00	-0.737	-0.731
588876	2/25/2022 0:00	-0.735	-0.731
588877	2/26/2022 0:00	-0.742	-0.731
588878	2/27/2022 0:00	-0.747	-0.731
588879	2/28/2022 0:00	-0.737	-0.731
588880	3/1/2022 0:00	-0.746	-0.731
588881	3/2/2022 0:00	-0.742	-0.731
588882	3/3/2022 0:00	-0.73	-0.732
588883	3/4/2022 0:00	-0.716	-0.732
588884	3/5/2022 0:00	-0.726	-0.731
588885	3/6/2022 0:00	-0.73	-0.731
588886	3/7/2022 0:00	-0.756	-0.732
588887	3/8/2022 0:00	-0.731	-0.732
588888	3/9/2022 0:00	-0.725	-0.732
588889	3/10/2022 0:00	-0.749	-0.731
588890	3/11/2022 0:00	-0.73	-0.73
588891	3/12/2022 0:00	-0.73	-0.73
588892	3/13/2022 0:00	-0.706	-0.731
588893	3/14/2022 0:00	-0.738	-0.73
588894	3/15/2022 0:00	-0.739	-0.728
588895	3/16/2022 0:00	-0.721	-0.727



Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588896	3/17/2022 0:00	-0.736	-0.726
588897	3/18/2022 0:00	-0.732	-0.726
588898	3/19/2022 0:00	-0.716	-0.726
588899	3/20/2022 0:00	-0.72	-0.726
588900	3/21/2022 0:00	-0.735	-0.725
588901	3/22/2022 0:00	-0.728	-0.724
588902	3/23/2022 0:00	-0.745	-0.723
588903	3/24/2022 0:00	-0.707	-0.722
588904	3/25/2022 0:00	-0.698	-0.722
588905	3/26/2022 0:00	-0.703	-0.72
588906	3/27/2022 0:00	-0.722	-0.719
588907	3/28/2022 0:00	-0.77	-0.719
588908	3/29/2022 0:00	-0.711	-0.72
588909	3/30/2022 0:00	-0.705	-0.719
588910	3/31/2022 0:00	-0.706	-0.718
588911	4/1/2022 0:00	-0.709	-0.719
588912	4/2/2022 0:00	-0.729	-0.719
588913	4/3/2022 0:00	-0.743	-0.72
588914	4/4/2022 0:00	-0.717	-0.721
588915	4/5/2022 0:00	-0.696	-0.721
588916	4/6/2022 0:00	-0.695	-0.721
588917	4/7/2022 0:00	-0.71	-0.721
588918	4/8/2022 0:00	-0.719	-0.72
588919	4/9/2022 0:00	-0.709	-0.721
588920	4/10/2022 0:00	-0.692	-0.722
588921	4/11/2022 0:00	-0.715	-0.724
588922	4/12/2022 0:00	-0.719	-0.723
588923	4/13/2022 0:00	-0.73	-0.722
588924	4/14/2022 0:00	-0.726	-0.722
588925	4/15/2022 0:00	-0.709	-0.723
588926	4/16/2022 0:00	-0.741	-0.724
588927	4/17/2022 0:00	-0.749	-0.724
588928	4/18/2022 0:00	-0.762	-0.725
588929	4/19/2022 0:00	-0.735	-0.724
588930	4/20/2022 0:00	-0.721	-0.725
588931	4/21/2022 0:00	-0.727	-0.726
588932	4/22/2022 0:00	-0.725	-0.727
588933	4/23/2022 0:00	-0.733	-0.727
588934	4/24/2022 0:00	-0.74	-0.727
588935	4/25/2022 0:00	-0.727	-0.727
588936	4/26/2022 0:00	-0.742	-0.728
588937	4/27/2022 0:00	-0.719	-0.728
588938	4/28/2022 0:00	-0.723	-0.728
588939	4/29/2022 0:00	-0.713	-0.728
588940	4/30/2022 0:00	-0.73	-0.729
588941	5/1/2022 0:00	-0.73	-0.729
588942	5/2/2022 0:00	-0.733	-0.728
588943	5/3/2022 0:00	-0.735	-0.728
588944	5/4/2022 0:00	-0.732	-0.727
588945	5/5/2022 0:00	-0.73	-0.726
588946	5/6/2022 0:00	-0.732	-0.727
588947	5/7/2022 0:00	-0.726	-0.727
588948	5/8/2022 0:00	-0.708	-0.727
588949	5/9/2022 0:00	-0.714	-0.727
588950	5/10/2022 0:00	-0.715	-0.726
588951	5/11/2022 0:00	-0.715	-0.726
588952	5/12/2022 0:00	-0.736	-0.725
588953	5/13/2022 0:00	-0.717	-0.725
588954	5/14/2022 0:00	-0.728	-0.724
588955	5/15/2022 0:00	-0.74	-0.725
588956	5/16/2022 0:00	-0.726	-0.725
588957	5/17/2022 0:00	-0.714	-0.726
588958	5/18/2022 0:00	-0.741	-0.726
588959	5/19/2022 0:00	-0.725	-0.726
588960	5/20/2022 0:00	-0.725	-0.726
588961	5/21/2022 0:00	-0.728	-0.726
588962	5/22/2022 0:00	-0.739	-0.726
588963	5/23/2022 0:00	-0.735	-0.726
588964	5/24/2022 0:00	-0.717	-0.727
588965	5/25/2022 0:00	-0.715	-0.727
588966	5/26/2022 0:00	-0.724	-0.728
588967	5/27/2022 0:00	-0.72	-0.728
588968	5/28/2022 0:00	-0.708	-0.729
588969	5/29/2022 0:00	-0.702	-0.73

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
588970	5/30/2022 0:00	-0.747	-0.73
588971	5/31/2022 0:00	-0.732	-0.73
588972	6/1/2022 0:00	-0.744	-0.73
588973	6/2/2022 0:00	-0.742	-0.731
588974	6/3/2022 0:00	-0.731	-0.731
588975	6/4/2022 0:00	-0.729	-0.731
588976	6/5/2022 0:00	-0.736	-0.732
588977	6/6/2022 0:00	-0.716	-0.732
588978	6/7/2022 0:00	-0.74	-0.733
588979	6/8/2022 0:00	-0.719	-0.733
588980	6/9/2022 0:00	-0.732	-0.734
588981	6/10/2022 0:00	-0.735	-0.735
588982	6/11/2022 0:00	-0.738	-0.736
588983	6/12/2022 0:00	-0.748	-0.737
588984	6/13/2022 0:00	-0.759	-0.739
588985	6/14/2022 0:00	-0.719	-0.74
588986	6/15/2022 0:00	-0.732	-0.74
588987	6/16/2022 0:00	-0.744	-0.74
588988	6/17/2022 0:00	-0.741	-0.74
588989	6/18/2022 0:00	-0.738	-0.74
588990	6/19/2022 0:00	-0.729	-0.741
588991	6/20/2022 0:00	-0.74	-0.742
588992	6/21/2022 0:00	-0.746	-0.743
588993	6/22/2022 0:00	-0.752	-0.745
588994	6/23/2022 0:00	-0.745	-0.745
588995	6/24/2022 0:00	-0.739	-0.746
588996	6/25/2022 0:00	-0.745	-0.748
588997	6/26/2022 0:00	-0.765	-0.749
588998	6/27/2022 0:00	-0.754	-0.749
588999	6/28/2022 0:00	-0.757	-0.75
589000	6/29/2022 0:00	-0.752	-0.75
589001	6/30/2022 0:00	-0.731	-0.752
589002	7/1/2022 0:00	-0.749	-0.752
589003	7/2/2022 0:00	-0.745	-0.752
589004	7/3/2022 0:00	-0.743	-0.753
589005	7/4/2022 0:00	-0.75	-0.754
589006	7/5/2022 0:00	-0.771	-0.755
589007	7/6/2022 0:00	-0.762	-0.756
589008	7/7/2022 0:00	-0.756	-0.756
589009	7/8/2022 0:00	-0.764	-0.756
589010	7/9/2022 0:00	-0.753	-0.757
589011	7/10/2022 0:00	-0.772	-0.757
589012	7/11/2022 0:00	-0.762	-0.758
589013	7/12/2022 0:00	-0.756	-0.758
589014	7/13/2022 0:00	-0.768	-0.758
589015	7/14/2022 0:00	-0.762	-0.758
589016	7/15/2022 0:00	-0.773	-0.759
589017	7/16/2022 0:00	-0.761	-0.76
589018	7/17/2022 0:00	-0.746	-0.76
589019	7/18/2022 0:00	-0.756	-0.761
589020	7/19/2022 0:00	-0.759	-0.761
589021	7/20/2022 0:00	-0.76	-0.761
589022	7/21/2022 0:00	-0.769	-0.761
589023	7/22/2022 0:00	-0.751	-0.761
589024	7/23/2022 0:00	-0.769	-0.761
589025	7/24/2022 0:00	-0.755	-0.76
589026	7/25/2022 0:00	-0.761	-0.76
589027	7/26/2022 0:00	-0.753	-0.76
589028	7/27/2022 0:00	-0.763	-0.76
589029	7/28/2022 0:00	-0.757	-0.759
589030	7/29/2022 0:00	-0.78	-0.759
589031	7/30/2022 0:00	-0.779	-0.759
589032	7/31/2022 0:00	-0.755	-0.759
589033	8/1/2022 0:00	-0.745	-0.759
589034	8/2/2022 0:00	-0.767	-0.759
589035	8/3/2022 0:00	-0.758	-0.759
589036	8/4/2022 0:00	-0.753	-0.759
589037	8/5/2022 0:00	-0.77	-0.759
589038	8/6/2022 0:00	-0.756	-0.758
589039	8/7/2022 0:00	-0.754	-0.758
589040	8/8/2022 0:00	-0.737	-0.758
589041	8/9/2022 0:00	-0.758	-0.758
589042	8/10/2022 0:00	-0.754	-0.758
589043	8/11/2022 0:00	-0.763	-0.758

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
589044	8/12/2022 0:00	-0.745	-0.757
589045	8/13/2022 0:00	-0.772	-0.756
589046	8/14/2022 0:00	-0.763	-0.754
589047	8/15/2022 0:00	-0.759	-0.753
589048	8/16/2022 0:00	-0.748	-0.753
589049	8/17/2022 0:00	-0.754	-0.753
589050	8/18/2022 0:00	-0.758	-0.752
589051	8/19/2022 0:00	-0.761	-0.75
589052	8/20/2022 0:00	-0.752	-0.75
589053	8/21/2022 0:00	-0.753	-0.748
589054	8/22/2022 0:00	-0.746	-0.747
589055	8/23/2022 0:00	-0.758	-0.747
589056	8/24/2022 0:00	-0.76	-0.747
589057	8/25/2022 0:00	-0.758	-0.746
589058	8/26/2022 0:00	-0.747	-0.745
589059	8/27/2022 0:00	-0.741	-0.744
589060	8/28/2022 0:00	-0.718	-0.744
589061	8/29/2022 0:00	-0.731	-0.742
589062	8/30/2022 0:00	-0.753	-0.741
589063	8/31/2022 0:00	-0.743	-0.74
589064	9/1/2022 0:00	-0.741	-0.739
589065	9/2/2022 0:00	-0.733	-0.738
589066	9/3/2022 0:00	-0.72	-0.738
589067	9/4/2022 0:00	-0.738	-0.736
589068	9/5/2022 0:00	-0.713	-0.735
589069	9/6/2022 0:00	-0.73	-0.735
589070	9/7/2022 0:00	-0.736	-0.734
589071	9/8/2022 0:00	-0.746	-0.733
589072	9/9/2022 0:00	-0.721	-0.732
589073	9/10/2022 0:00	-0.74	-0.732
589074	9/11/2022 0:00	-0.728	-0.731
589075	9/12/2022 0:00	-0.728	-0.731
589076	9/13/2022 0:00	-0.722	-0.731
589077	9/14/2022 0:00	-0.721	-0.731
589078	9/15/2022 0:00	-0.741	-0.73
589079	9/16/2022 0:00	-0.723	-0.73
589080	9/17/2022 0:00	-0.731	-0.73
589081	9/18/2022 0:00	-0.736	-0.73
589082	9/19/2022 0:00	-0.703	-0.731
589083	9/20/2022 0:00	-0.732	-0.731
589084	9/21/2022 0:00	-0.745	-0.732
589085	9/22/2022 0:00	-0.73	-0.733
589086	9/23/2022 0:00	-0.729	-0.733
589087	9/24/2022 0:00	-0.726	-0.733
589088	9/25/2022 0:00	-0.745	-0.734
589089	9/26/2022 0:00	-0.731	-0.733
589090	9/27/2022 0:00	-0.738	-0.733
589091	9/28/2022 0:00	-0.72	-0.733
589092	9/29/2022 0:00	-0.731	-0.733
589093	9/30/2022 0:00	-0.705	-0.733
589094	10/1/2022 0:00	-0.741	-0.733
589095	10/2/2022 0:00	-0.736	-0.733
589096	10/3/2022 0:00	-0.746	-0.734
589097	10/4/2022 0:00	-0.75	-0.735
589098	10/5/2022 0:00	-0.735	-0.736
589099	10/6/2022 0:00	-0.755	-0.735
589100	10/7/2022 0:00	-0.746	-0.734
589101	10/8/2022 0:00	-0.737	-0.733
589102	10/9/2022 0:00	-0.751	-0.734
589103	10/10/2022 0:00	-0.741	-0.734
589104	10/11/2022 0:00	-0.719	-0.734
589105	10/12/2022 0:00	-0.717	-0.734
589106	10/13/2022 0:00	-0.731	-0.734
589107	10/14/2022 0:00	-0.728	-0.735
589108	10/15/2022 0:00	-0.725	-0.734
589109	10/16/2022 0:00	-0.728	-0.735
589110	10/17/2022 0:00	-0.743	-0.735
589111	10/18/2022 0:00	-0.75	-0.736
589112	10/19/2022 0:00	-0.765	-0.736
589113	10/20/2022 0:00	-0.723	-0.735
589114	10/21/2022 0:00	-0.722	-0.736
589115	10/22/2022 0:00	-0.71	-0.736
589116	10/23/2022 0:00	-0.714	-0.736
589117	10/24/2022 0:00	-0.731	-0.737

Id	Date	Vertical Displacement (ft)	Vertical Displacement 31-Day Ave (ft)
589118	10/25/2022 0:00	-0.734	-0.737
589119	10/26/2022 0:00	-0.761	-0.738
589120	10/27/2022 0:00	-0.727	-0.739
589121	10/28/2022 0:00	-0.733	-0.74
589122	10/29/2022 0:00	-0.738	-0.741
589123	10/30/2022 0:00	-0.721	-0.742
589124	10/31/2022 0:00	-0.733	-0.744
589125	11/1/2022 0:00	-0.749	-0.745
589126	11/2/2022 0:00	-0.744	-0.746
589127	11/3/2022 0:00	-0.741	-0.747
589128	11/4/2022 0:00	-0.746	-0.747
589129	11/5/2022 0:00	-0.743	-0.748
589130	11/6/2022 0:00	-0.755	-0.749
589131	11/7/2022 0:00	-0.746	-0.75
589132	11/8/2022 0:00	-0.775	-0.751
589133	11/9/2022 0:00	-0.762	-0.753
589134	11/10/2022 0:00	-0.753	-0.754
589135	11/11/2022 0:00	-0.75	-0.753
589136	11/12/2022 0:00	-0.76	-0.753
589137	11/13/2022 0:00	-0.763	-0.753
589138	11/14/2022 0:00	-0.767	-0.753
589139	11/15/2022 0:00	-0.779	-0.753
589140	11/16/2022 0:00	-0.768	-0.753
589141	11/17/2022 0:00	-0.774	-0.753
589142	11/18/2022 0:00	-0.761	-0.753
589143	11/19/2022 0:00	-0.768	-0.754
589144	11/20/2022 0:00	-0.758	-0.753
589145	11/21/2022 0:00	-0.745	-0.754
589146	11/22/2022 0:00	-0.746	-0.754
589147	11/23/2022 0:00	-0.759	-0.754
589148	11/24/2022 0:00	-0.779	-0.754
589149	11/25/2022 0:00	-0.763	-0.754
589150	11/26/2022 0:00	-0.735	-0.753
589151	11/27/2022 0:00	-0.737	-0.753
589152	11/28/2022 0:00	-0.73	-0.753
589153	11/29/2022 0:00	-0.736	-0.752
589154	11/30/2022 0:00	-0.729	-0.752
589155	12/1/2022 0:00	-0.726	-0.751
589156	12/2/2022 0:00	-0.741	-0.751
589157	12/3/2022 0:00	-0.751	-0.75
589158	12/4/2022 0:00	-0.766	-0.75
589159	12/5/2022 0:00	-0.733	-0.751
589160	12/6/2022 0:00	-0.758	-0.751
589161	12/7/2022 0:00	-0.752	-0.752
589162	12/8/2022 0:00	-0.756	-0.752
589163	12/9/2022 0:00	-0.764	-0.752
589164	12/10/2022 0:00	-0.762	-0.751
589165	12/11/2022 0:00	-0.722	-0.751
589166	12/12/2022 0:00	-0.744	-0.751
589167	12/13/2022 0:00	-0.759 null	
589168	12/14/2022 0:00	-0.747 null	
589169	12/15/2022 0:00	-0.757 null	
589170	12/16/2022 0:00	-0.767 null	
589171	12/17/2022 0:00	-0.755 null	
589172	12/18/2022 0:00	-0.753 null	
589173	12/19/2022 0:00	-0.751 null	
589174	12/20/2022 0:00	-0.791 null	
589175	12/21/2022 0:00	-0.766 null	
589176	12/22/2022 0:00	-0.766 null	
589177	12/23/2022 0:00	-0.744 null	
589178	12/24/2022 0:00	-0.761 null	
589179	12/25/2022 0:00	-0.771 null	
589180	12/26/2022 0:00	-0.746 null	
589181	12/27/2022 0:00	-0.724 null	

## APPENDIX G

Casmalia Stream Gage Data

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## National Water Information System: Web Interface

USGS Water Resources

Data Category:    
 Geographic Area:

Click to hide News Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

# USGS 11136100 SAN ANTONIO C NR CASMALIA CA

## PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site

Click to hide station-specific text

This station managed by the Santa Maria Field Office.

### Available Parameters

### Period of Record

- |   |                       |
|---|-----------------------|
| <input type="checkbox"/> All 3 Available Parameters for this site |                       |
| <input type="checkbox"/> 00010 Temperature, water(Max.,Min.)      | 1981-12-08 1983-10-04 |
| <input checked="" type="checkbox"/> 00060 Discharge(Mean)         | 1955-10-01 2023-01-01 |
| <input type="checkbox"/> 00400 pH(Max.,Min.)                      | 1981-12-08 1983-10-04 |

### Output format

- Graph
- Graph w/ stats
- Graph w/ meas
- Graph w/ (up to 3) parms
- Table
- Tab-separated

Days (364) [Summary of all available data for this site](#)

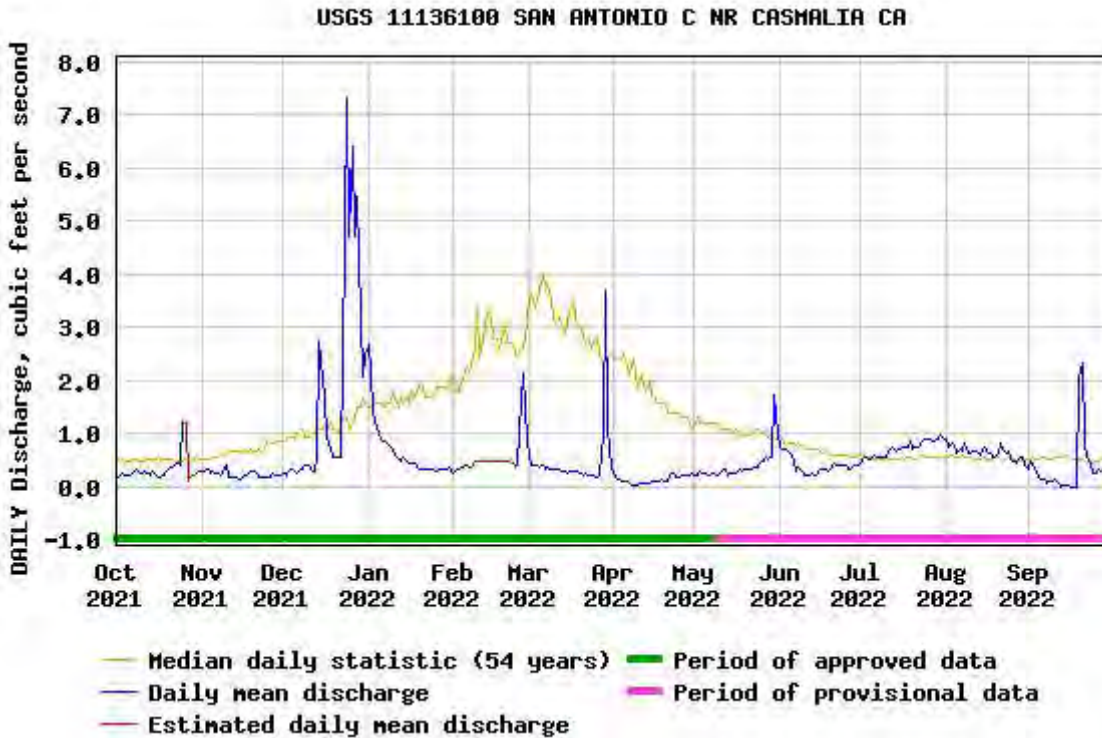
[Instantaneous-data availability statement](#)

-- or --

### Begin date

**Discharge, cubic feet per second**

### End date



Add up to 2 more sites and replot for "Discharge, cubic feet per second"

?  
Add site numbers  
[Note](#)

Enter up to 2 site numbers separated by a comma. A site number consists of 8 to 15 digits

GO

Create [presentation-quality](#) graph.

**Daily discharge, cubic feet per second -- statistics for Sep 30 based on 55 water years of record** [more](#)

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Min (1990)	25th percentile	Median	Mean	75th percentile	Max (2000)
0.17	0.4	0.57	0.84	0.9	11.0

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**Title: USGS Surface-Water Daily Data for the Nation**  
**URL: <https://waterdata.usgs.gov/nwis/dv?>**



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

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# USGS 11136100 SAN ANTONIO C NR CASMALIA CA

## PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site

Click to hide station-specific text

This station managed by the Santa Maria Field Office.

### Available Parameters

### Period of Record

- All 3 Available Parameters for this site
- 00010 Temperature, water(Max.,Min.) 1981-12-08 1983-10-04
- 00060 Discharge(Mean) 1955-10-01 2023-01-01
- 00400 pH(Max.,Min.) 1981-12-08 1983-10-04

### Output format

- Graph
- Graph w/ stats
- Graph w/ meas
- Graph w/ (up to 3) parms
- Table
- Tab-separated

Days (364) [Summary of all available data for this site](#)  
[Instantaneous-data availability statement](#)

-- or --

### Begin date

### End date

**Daily Mean Discharge, cubic feet per second**

DATE	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022
1	0.20 <sup>A</sup>	0.30 <sup>A</sup>	0.26 <sup>A</sup>	2.66 <sup>A</sup>	0.28 <sup>A</sup>	0.58 <sup>A</sup>	0.25 <sup>A</sup>	0.21 <sup>A</sup>	0.74 <sup>P</sup>	0.49 <sup>P</sup>	0.92 <sup>P</sup>	0.50 <sup>P</sup>
2	0.23 <sup>A</sup>	0.29 <sup>A</sup>	0.21 <sup>A</sup>	2.17 <sup>A</sup>	0.29 <sup>A</sup>	0.43 <sup>A</sup>	0.19 <sup>A</sup>	0.24 <sup>A</sup>	0.73 <sup>P</sup>	0.57 <sup>P</sup>	0.77 <sup>P</sup>	0.40 <sup>P</sup>
3	0.25 <sup>A</sup>	0.32 <sup>A</sup>	0.31 <sup>A</sup>	1.40 <sup>A</sup>	0.35 <sup>A</sup>	0.43 <sup>A</sup>	0.14 <sup>A</sup>	0.30 <sup>A</sup>	0.70 <sup>P</sup>	0.55 <sup>P</sup>	0.81 <sup>P</sup>	0.28 <sup>P</sup>
4	0.23 <sup>A</sup>	0.28 <sup>A</sup>	0.32 <sup>A</sup>	1.13 <sup>A</sup>	0.37 <sup>A</sup>	0.43 <sup>A</sup>	0.12 <sup>A</sup>	0.25 <sup>A</sup>	0.66 <sup>P</sup>	0.52 <sup>P</sup>	0.78 <sup>P</sup>	0.20 <sup>P</sup>
5	0.21 <sup>A</sup>	0.29 <sup>A</sup>	0.31 <sup>A</sup>	1.00 <sup>A</sup>	0.39 <sup>A</sup>	0.39 <sup>A</sup>	0.13 <sup>A</sup>	0.26 <sup>A</sup>	0.63 <sup>P</sup>	0.57 <sup>P</sup>	0.65 <sup>P</sup>	0.15 <sup>P</sup>
6	0.24 <sup>A</sup>	0.28 <sup>A</sup>	0.28 <sup>A</sup>	0.91 <sup>A</sup>	0.40 <sup>A</sup>	0.40 <sup>A</sup>	0.10 <sup>A</sup>	0.24 <sup>A</sup>	0.49 <sup>P</sup>	0.61 <sup>P</sup>	0.72 <sup>P</sup>	0.14 <sup>P</sup>

7	0.30 <sup>A</sup>	0.25 <sup>A</sup>	0.35 <sup>A</sup>	0.87 <sup>A</sup>	0.37 <sup>A</sup>	0.35 <sup>A</sup>	0.07 <sup>A</sup>	0.25 <sup>A</sup>	0.29 <sup>P</sup>	0.55 <sup>P</sup>	0.69 <sup>P</sup>	0.09 <sup>P</sup>
8	0.35 <sup>A</sup>	0.24 <sup>A</sup>	0.35 <sup>A</sup>	0.82 <sup>A</sup>	0.38 <sup>A</sup>	0.36 <sup>A</sup>	0.04 <sup>A</sup>	0.27 <sup>A</sup>	0.36 <sup>P</sup>	0.58 <sup>P</sup>	0.84 <sup>P</sup>	0.12 <sup>P</sup>
9	0.26 <sup>A</sup>	0.32 <sup>A</sup>	0.41 <sup>A</sup>	0.75 <sup>A</sup>	0.48 <sup>A e</sup>	0.33 <sup>A</sup>	0.04 <sup>A</sup>	0.23 <sup>A</sup>	0.29 <sup>P</sup>	0.56 <sup>P</sup>	0.64 <sup>P</sup>	0.12 <sup>P</sup>
10	0.28 <sup>A</sup>	0.42 <sup>A</sup>	0.40 <sup>A</sup>	0.69 <sup>A</sup>	0.48 <sup>A e</sup>	0.35 <sup>A</sup>	0.04 <sup>A</sup>	0.28 <sup>P</sup>	0.24 <sup>P</sup>	0.58 <sup>P</sup>	0.63 <sup>P</sup>	0.15 <sup>P</sup>
11	0.30 <sup>A</sup>	0.20 <sup>A</sup>	0.32 <sup>A</sup>	0.59 <sup>A</sup>	0.48 <sup>A e</sup>	0.35 <sup>A</sup>	0.06 <sup>A</sup>	0.30 <sup>P</sup>	0.24 <sup>P</sup>	0.69 <sup>P</sup>	0.67 <sup>P</sup>	0.08 <sup>P</sup>
12	0.28 <sup>A</sup>	0.19 <sup>A</sup>	0.30 <sup>A</sup>	0.54 <sup>A</sup>	0.48 <sup>A e</sup>	0.32 <sup>A</sup>	0.07 <sup>A</sup>	0.32 <sup>P</sup>	0.23 <sup>P</sup>	0.75 <sup>P</sup>	0.68 <sup>P</sup>	0.00 <sup>P</sup>
13	0.24 <sup>A</sup>	0.19 <sup>A</sup>	0.51 <sup>A</sup>	0.49 <sup>A</sup>	0.48 <sup>A e</sup>	0.31 <sup>A</sup>	0.07 <sup>A</sup>	0.24 <sup>P</sup>	0.26 <sup>P</sup>	0.71 <sup>P</sup>	0.64 <sup>P</sup>	0.02 <sup>P</sup>
14	0.31 <sup>A</sup>	0.18 <sup>A</sup>	2.76 <sup>A</sup>	0.58 <sup>A</sup>	0.48 <sup>A e</sup>	0.31 <sup>A</sup>	0.07 <sup>A</sup>	0.25 <sup>P</sup>	0.24 <sup>P</sup>	0.69 <sup>P</sup>	0.61 <sup>P</sup>	0.03 <sup>P</sup>
15	0.24 <sup>A</sup>	0.15 <sup>A</sup>	2.02 <sup>A</sup>	0.48 <sup>A</sup>	0.48 <sup>A e</sup>	0.28 <sup>A</sup>	0.13 <sup>A</sup>	0.27 <sup>P</sup>	0.26 <sup>P</sup>	0.70 <sup>P</sup>	0.77 <sup>P</sup>	0.02 <sup>P</sup>
16	0.18 <sup>A</sup>	0.19 <sup>A</sup>	1.65 <sup>A</sup>	0.45 <sup>A</sup>	0.48 <sup>A e</sup>	0.31 <sup>A</sup>	0.12 <sup>A</sup>	0.28 <sup>P</sup>	0.32 <sup>P</sup>	0.77 <sup>P</sup>	0.67 <sup>P</sup>	0.01 <sup>P</sup>
17	0.18 <sup>A</sup>	0.24 <sup>A</sup>	0.93 <sup>A</sup>	0.44 <sup>A</sup>	0.48 <sup>A e</sup>	0.31 <sup>A</sup>	0.11 <sup>A</sup>	0.35 <sup>P</sup>	0.33 <sup>P</sup>	0.76 <sup>P</sup>	0.64 <sup>P</sup>	0.01 <sup>P</sup>
18	0.24 <sup>A</sup>	0.25 <sup>A</sup>	0.71 <sup>A</sup>	0.44 <sup>A</sup>	0.48 <sup>A e</sup>	0.31 <sup>A</sup>	0.11 <sup>A</sup>	0.29 <sup>P</sup>	0.34 <sup>P</sup>	0.75 <sup>P</sup>	0.57 <sup>P</sup>	0.01 <sup>P</sup>
19	0.29 <sup>A</sup>	0.29 <sup>A</sup>	0.58 <sup>A</sup>	0.38 <sup>A</sup>	0.48 <sup>A e</sup>	0.31 <sup>A</sup>	0.14 <sup>A</sup>	0.32 <sup>P</sup>	0.29 <sup>P</sup>	0.86 <sup>P</sup>	0.57 <sup>P</sup>	2.08 <sup>P</sup>
20	0.34 <sup>A</sup>	0.29 <sup>A</sup>	0.55 <sup>A</sup>	0.34 <sup>A</sup>	0.48 <sup>A e</sup>	0.28 <sup>A</sup>	0.13 <sup>A</sup>	0.32 <sup>P</sup>	0.36 <sup>P</sup>	0.71 <sup>P</sup>	0.64 <sup>P</sup>	2.35 <sup>P</sup>
21	0.36 <sup>A</sup>	0.25 <sup>A</sup>	0.56 <sup>A</sup>	0.35 <sup>A</sup>	0.48 <sup>A e</sup>	0.23 <sup>A</sup>	0.13 <sup>A</sup>	0.32 <sup>P</sup>	0.46 <sup>P</sup>	0.75 <sup>P</sup>	0.83 <sup>P</sup>	0.82 <sup>P</sup>
22	0.42 <sup>A</sup>	0.18 <sup>A</sup>	0.58 <sup>A</sup>	0.33 <sup>A</sup>	0.48 <sup>A e</sup>	0.26 <sup>A</sup>	0.28 <sup>A</sup>	0.32 <sup>P</sup>	0.42 <sup>P</sup>	0.77 <sup>P</sup>	0.70 <sup>P</sup>	0.58 <sup>P</sup>
23	0.44 <sup>A</sup>	0.18 <sup>A</sup>	2.31 <sup>A</sup>	0.33 <sup>A</sup>	0.47 <sup>A e</sup>	0.23 <sup>A</sup>	0.26 <sup>A</sup>	0.39 <sup>P</sup>	0.40 <sup>P</sup>	0.86 <sup>P</sup>	0.63 <sup>P</sup>	0.46 <sup>P</sup>
24	0.41 <sup>A</sup>	0.17 <sup>A</sup>	7.31 <sup>A</sup>	0.32 <sup>A</sup>	0.38 <sup>A</sup>	0.21 <sup>A</sup>	0.18 <sup>A</sup>	0.39 <sup>P</sup>	0.42 <sup>P</sup>	0.90 <sup>P</sup>	0.67 <sup>P</sup>	0.28 <sup>P</sup>
25	1.26 <sup>A</sup>	0.17 <sup>A</sup>	4.73 <sup>A</sup>	0.32 <sup>A</sup>	0.43 <sup>A</sup>	0.21 <sup>A</sup>	0.19 <sup>A</sup>	0.46 <sup>P</sup>	0.41 <sup>P</sup>	0.91 <sup>P</sup>	0.54 <sup>P</sup>	0.25 <sup>P</sup>
26	1.20 <sup>A e</sup>	0.20 <sup>A</sup>	6.42 <sup>A</sup>	0.31 <sup>A</sup>	1.62 <sup>A</sup>	0.20 <sup>A</sup>	0.21 <sup>A</sup>	0.48 <sup>P</sup>	0.33 <sup>P</sup>	0.92 <sup>P</sup>	0.48 <sup>P</sup>	0.35 <sup>P</sup>
27	0.12 <sup>A e</sup>	0.26 <sup>A</sup>	4.71 <sup>A</sup>	0.33 <sup>A</sup>	2.15 <sup>A</sup>	0.21 <sup>A</sup>	0.22 <sup>A</sup>	0.58 <sup>P</sup>	0.35 <sup>P</sup>	0.87 <sup>P</sup>	0.46 <sup>P</sup>	0.29 <sup>P</sup>
28	0.20 <sup>A e</sup>	0.22 <sup>A</sup>	5.45 <sup>A</sup>	0.34 <sup>A</sup>	0.88 <sup>A</sup>	1.01 <sup>A</sup>	0.21 <sup>A</sup>	0.51 <sup>P</sup>	0.41 <sup>P</sup>	0.88 <sup>P</sup>	0.52 <sup>P</sup>	0.35 <sup>P</sup>
29	0.22 <sup>A e</sup>	0.22 <sup>A</sup>	3.17 <sup>A</sup>	0.34 <sup>A</sup>		3.68 <sup>A</sup>	0.24 <sup>A</sup>	0.56 <sup>P</sup>	0.40 <sup>P</sup>	0.91 <sup>P</sup>	0.55 <sup>P</sup>	0.30 <sup>P</sup>
30	0.28 <sup>A e</sup>	0.24 <sup>A</sup>	2.09 <sup>A</sup>	0.34 <sup>A</sup>		1.14 <sup>A</sup>	0.26 <sup>A</sup>	1.72 <sup>P</sup>	0.43 <sup>P</sup>	0.97 <sup>P</sup>	0.40 <sup>P</sup>	0.30 <sup>P</sup>
31	0.30 <sup>A</sup>		2.50 <sup>A</sup>	0.37 <sup>A</sup>		0.32 <sup>A</sup>		0.98 <sup>P</sup>		0.94 <sup>P</sup>	0.35 <sup>P</sup>	
<b>COUNT</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>28</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>30</b>
<b>MAX</b>	<b>1.26</b>	<b>0.42</b>	<b>7.31</b>	<b>2.66</b>	<b>2.15</b>	<b>3.68</b>	<b>0.28</b>	<b>1.72</b>	<b>0.74</b>	<b>0.97</b>	<b>0.92</b>	<b>2.35</b>
<b>MIN</b>	<b>0.12</b>	<b>0.15</b>	<b>0.21</b>	<b>0.31</b>	<b>0.28</b>	<b>0.20</b>	<b>0.04</b>	<b>0.21</b>	<b>0.23</b>	<b>0.49</b>	<b>0.35</b>	<b>0.00</b>

**Explanation**

A	Approved for publication -- Processing and review completed.
P	Provisional data subject to revision.
e	Value has been estimated.

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