# *Santa Barbara County Hydrology Report*

## *Precipitation, Rivers/Streams, & Reservoirs Water-Year 2016*

Cachuma Reservoir / Bradbury Dam

Public Works Department
Water Resources Division, Flood Control District

October 2016

# SANTA BARBARA COUNTY

# Public Works Department

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# PREFACE

This report documents the significant Hydrology (surface water) related events for the 2016 water-year in Santa Barbara County.

The report includes a 1-page executive summary, which is followed by a more detailed discussion of Hydrologic Monitoring Systems, Weather Forecast, Burn-Areas, Rainfall, Rivers & Streams, Reservoirs, Flood-Flow Modeling, Storm Damage, and other related topics.

Report Appendices are inclusive of reference information on Hydrologic Gauge Station listings, Hydrologic Station Installation pictures, Yearly/Monthly Rainfall listings, and Rainfall Average Recurrence Interval (ARI) statistics.

The rainfall year and water year (WY2016) referred to in this report runs from September 1, 2015 through August 31, 2016.

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APPENDIX A: HYDROLOGIC GAUGE STATION LISTING

APPENDIX B: HYDROLOGIC STATION INSTALLATIONS

APPENDIX C: MONTHLY & YEARLY RAINFALL (with Recurrence Intervals)

# 1.0 EXECUTIVE SUMMARY

The County of Santa Barbara 2016 Water-Year (WY) can be summarized as a year with less than normal rainfall (70% County-wide), a highly anticipated wetter-than-normal forecast (El Nino) that did not materialize, a continuation of the four previous drier-than-normal years, a record breaking 5 consecutive year dry period (2012-2016), and historically low reservoir water storage levels.

It is also a water-year preceded (7 years ago) by five substantial wild fires over 3-year period (2007-09) that had the potential to result in significant flooding and property damage - namely the Zaca Fire (9/07), Gap Fire (7/08), Tea Fire (11/08), Jesusita Fire (5/09), and La Brea Fire (8/09). With more than five years having elapsed since the last of these fires, the affected watersheds have largely recovered. A more recent burn area (Rey Fire) occurred in August 2016, and depending on winter rain conditions, could result in additional sediment inflow into Cachuma & Gibraltar Reservoirs.

The National Weather Service forecast a wetter-than-normal 2016 water-year (ENSO El Nino conditions), however that prediction did not result in the anticipated increase in rainfall.

At 70% of County-wide normal rainfall, WY2016 ranked among the driest 20% of years recorded within the County. The most recent five water-year period (2012 through 2016) has resulted in the driest 5-consecutive year rainfall accumulation ever recorded within the County, with the average County-wide percent-of-normal rainfall at 56% over that cumulative 5 year period.

Recent years have also seen enhancements in the County hydrologic flood-warning systems & technology that have afforded more comprehensive and timely dissemination of both flood related information, and flood forecasting.

Enhancements included upgrades to the County Hydrology website where rainfall, stream-flow, weather, and reservoir data can be observed in near real-time, and the introduction of a more advanced flood warning system (ALERT-2).

Over the past few years, the County FCD has also installed five web-based automated real-time cameras that afford timely images of rivers & streams. Additionally 6 new automated gauges (rain, stream, weather) and ~10 gauge upgrades have been added to the County hydrologic network the past several years to enable more comprehensive hydrologic data & monitoring capability.

## 2.0 HYDROLOGY INTRODUCTION

Santa Barbara County encompasses approx. 2800 sq. miles of predominantly rugged mountain terrain, which can result in rapid local and regional watershed flow during major rain events.

The County's climate is normally warm and dry in the summer, and cool and wet in the winter months. The wet winter months generally range from October through April, with January & February typically bringing the largest amount of precipitation.

The County Flood Control District "Hydrology Section" maintains and operates a comprehensive automated storm monitoring system consisting of rain gauges, stream flow gauges, weather gauges, and reservoir level & gate opening gauges.

The network of flood warning systems consists of 96 County-wide automated monitoring installation gauge sites (rainfall, stream-flow, reservoir level, soil moisture, weather).

In recent years the Flood Control District has enhanced its hydrologic warning capability with the use of advanced website based real-time camera installations. These cameras assist in providing a valuable visual record and also enabling correlation with the automated flood warning system observations.

The County real-time rainfall, stream flow, and reservoir level monitoring system was introduced online to the public in October 2009 - accessible through the County Public Works Hydrology website. This comprehensive monitoring system enables County Flood Control, associated agencies, and the general public to access timely Hydrologic data during the course of storm events.

A redundant off-site Hydrologic base station computer system was installed in 2014 to provide additional back-up capability for the real-time Hydrologic Flood Warning System (FWS).

The introduction of a more advanced FWS system (ALERT-2) was also initiated in 2014, with systems upgraded gradually, and completion anticipated within a few years. Although the current FWS system (ALERT-1) is functioning well, the new system upgrade will afford a more reliable, faster, error free, and comprehensive data solution.

The Hydrologic FWS real-time gauge network aids in flood forecasting and in making operational decisions during rainfall storm events, with software equipped to issue "warning alerts" to users (via email and/or cell phone) when thresholds are exceeded. Hydrologic data is also transmitted in real-time to the National Weather Service for tracking storms, which assists in the issuance of Special Weather Statements (Flash Flood Warnings & Watches)

Staff from the County Flood Control District also provides 24hr emergency response assistance during storm monitoring – inclusive of field patrols and Hydrologic computer modeling/flood-flow forecasting.

# 3.0 HYDROLOGY INSTRUMENTATION & CONFIGURATION

The Santa Barbara County Flood Control District (SBCFCD) Hydrology Section maintains and operates a comprehensive automated ALERT storm monitoring system consisting of rain gauges, weather sensors, soil moisture, stream flow gauges, and reservoir level & gate opening gauges.

The automated storm monitoring system consists of 96 County-wide real-time transmitting gauge installations (65 ALERT rain gauges, 15 ALERT stream-flow gauges, 10 ALERT Weather stations, and 6 ALERT Reservoir gauge sites).

The new ALERT-2 system & gauge network upgrade has been gradually introduced since 2014 (software, repeaters, transmitters), with system changes continuing until completed within the next few years - affording a more reliable, faster, error free, and comprehensive data solution.

The Hydrology Section services, repairs, and maintains the gauge network – inclusive of annual maintenance (Sept-Oct) that involves comprehensive servicing, integrity tests, and calibration.

## 3.1 County-Wide Gauge Network

The entire County-wide hydrologic gauge network (inclusive of both automated ALERT & self-recording gauges) consists of 116 installation sites operating 156 individual sensors (Rain, Stream, Reservoir, and Weather)

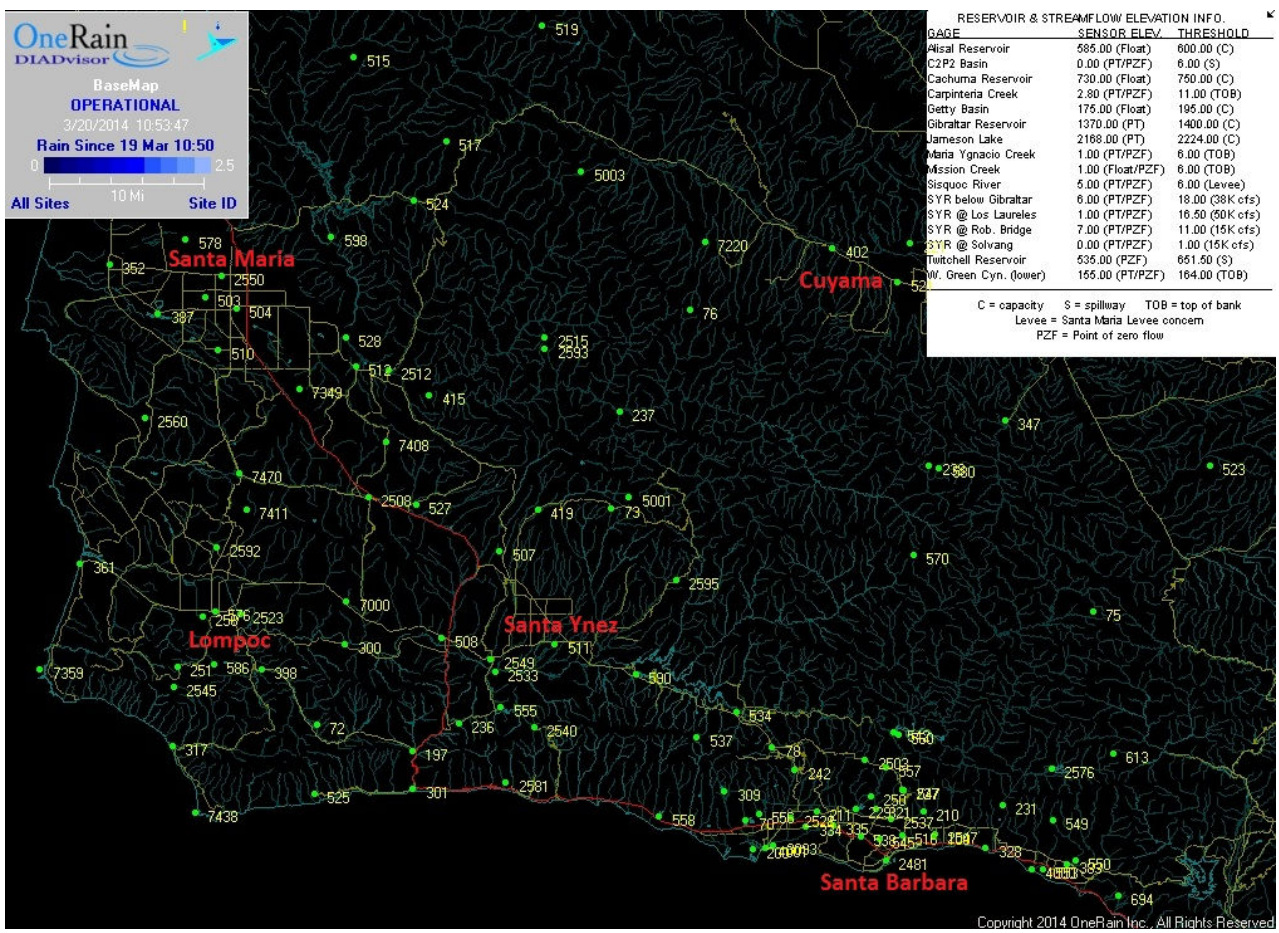



Figure 1 – County-Wide Hydrologic Gauge Network (116 Sites / 156 Sensors)

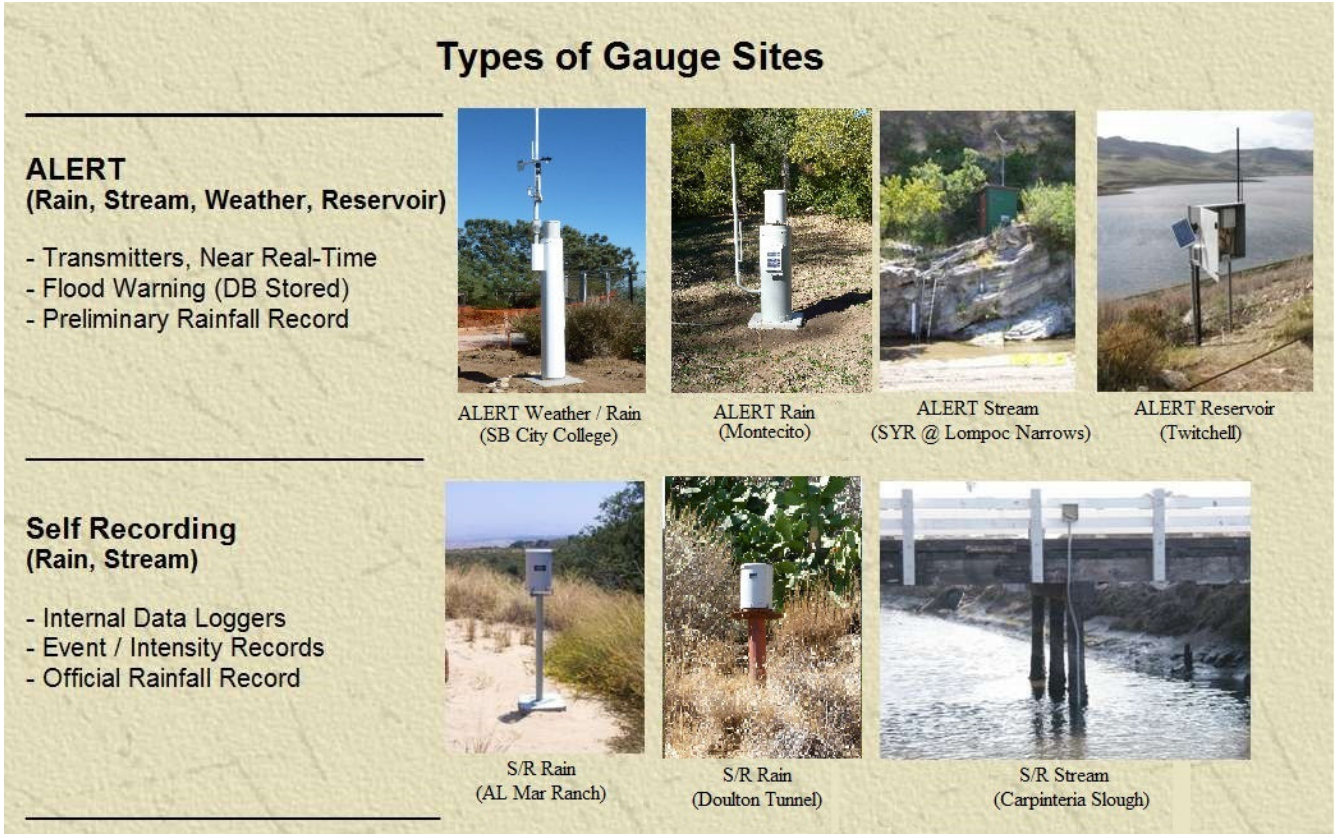



Figure 2 – Types of County Hydrologic Gauges

Of the 116 hydrologic gauge sites within the County, 96 are automated (Alert) transmission sites and 20 are (non-transmitting) self-recording electronic data logger equipped sites.

Although automated (Alert) transmission sites are valuable for timely flood-warning purposes, it is desirable, from a data integrity standpoint, to rely on self-recording data loggers for official (rainfall) data. All automated gauge sites are also equipped with electronic data loggers.

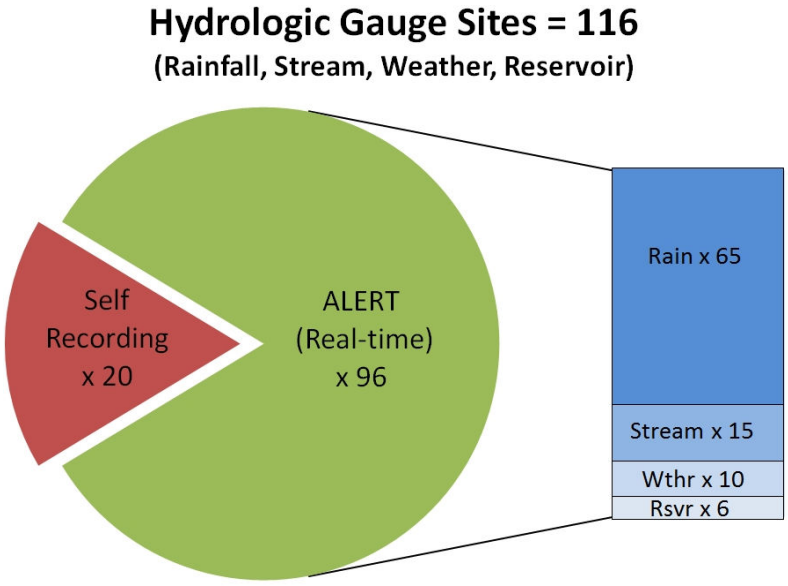



Figure 3 – Gauge Type Distribution

## 3.2 Real-Time Web-based Hydrologic Monitoring System

The County real-time rainfall, stream flow, and reservoir level monitoring system was introduced online in October 2009, accessible through the County Public Works Hydrology website.

Real-time website link:
http://santabarbara.onerain.com/home.php

This comprehensive monitoring system enables County Flood Control, associated agencies, and the public to access timely County-wide Hydrologic data during the course of storm events.

Typical resources available to users of this website includes real-time County-wide rainfall, rainfall totals (15 min through 7+ days), rainfall intensity table, stream flow data, reservoir levels, weather system data, and other relevant Hydrologic data and links.

This real-time system provides direct access to the County network of automated flood warning systems consisting of 96 County-wide ALERT monitoring installations.

USGS stream gauge data is also accessible within this system, as a separate "map-overlay" option.

The user-displays of this system have been enhanced to optimize ease of access to the most commonly viewed data, and include "Radio Style" quick-select buttons. Automated default overlays provide informative County background maps - inclusive of topography, watersheds, burn-area outlines, streams/rivers, lakes, major roads, and cities.

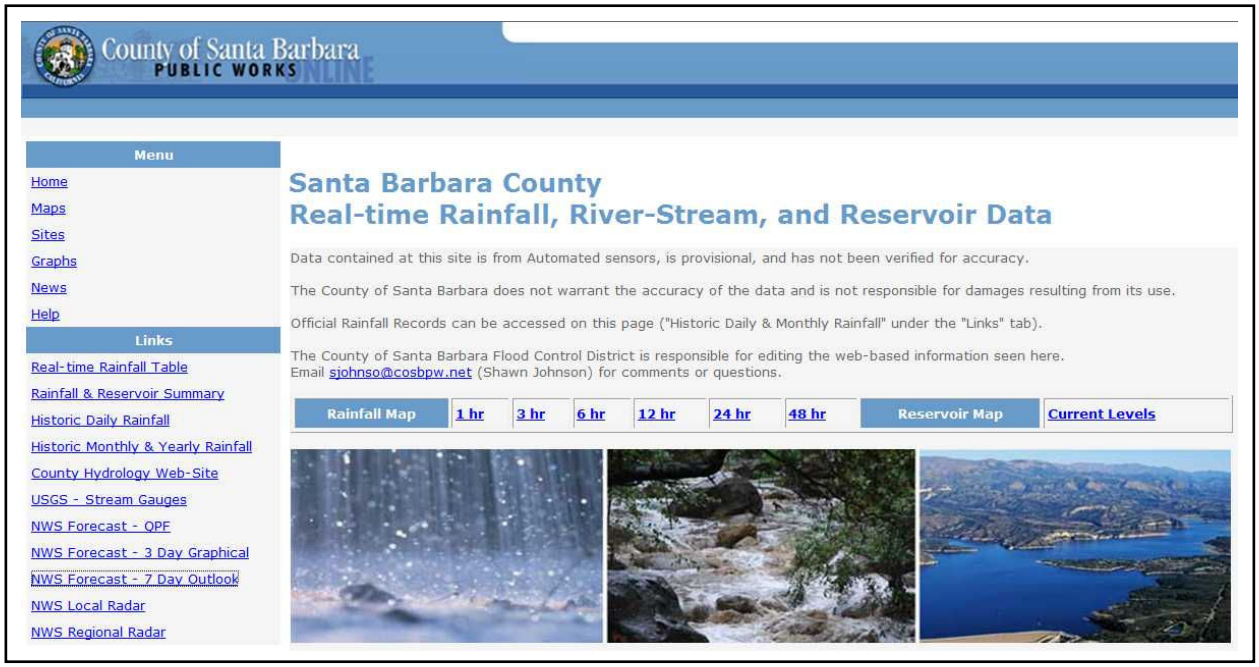



Figure 4 – Real Time Hydrologic Monitoring System (website page)

## 3.3 Real-time Camera Monitoring Systems

The County Flood Control District (Hydrology section) has utilized remote real-time field observation cameras since 2008, at which time three earlier generation "dial-up" cameras were installed (for burn-area stream flow monitoring). County remote cameras were upgraded starting in 2009 (through to present), with more sophisticated website based cameras that offered easier image access, and higher resolution images. The County has also selectively made use of self-recording cameras, installed in locations where cellular phone signals were not available. Additionally, the USGS has installed two remote cameras (in coordination with the County) in support of burn-area response (2009 Gap & Jesusita fires).

Figure 6 & Table 1 (below) depicts the location & characteristics of these camera installations. County FCD Remote Cameras are accessible at the following website link: http://www.countyofsb.org/pwd/pwwater.aspx?id=45022

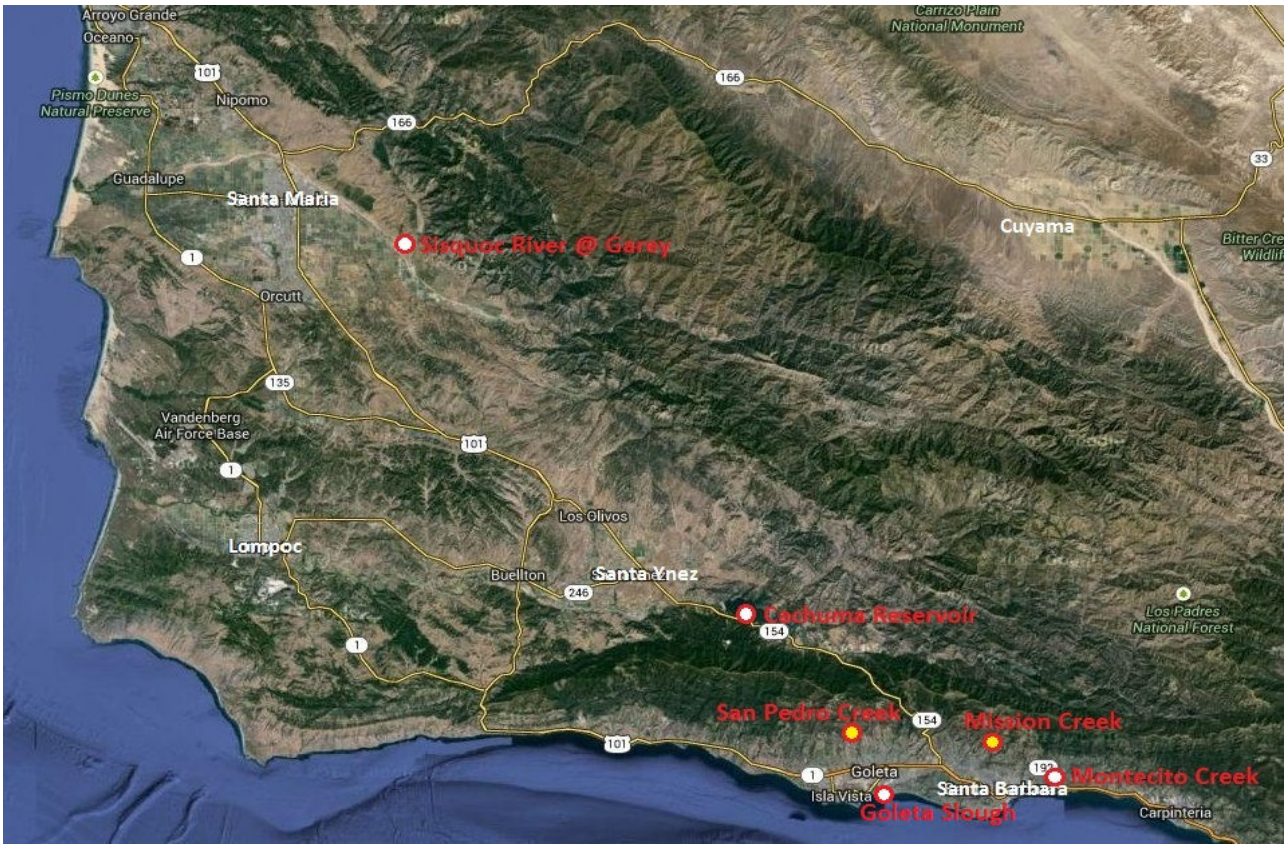
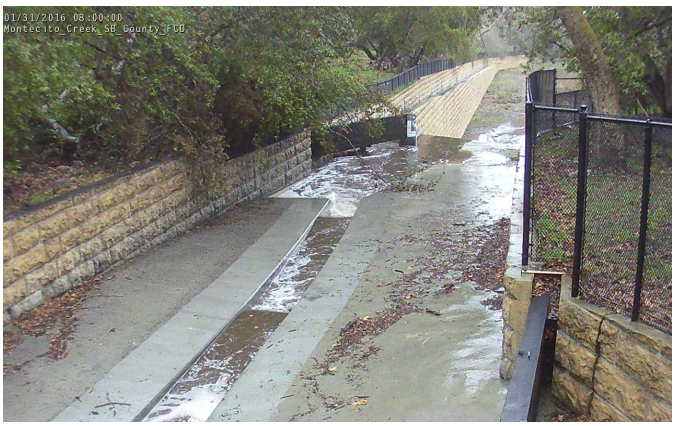



Figure 5 – Remote Camera Installation Sites

| CAMERA | RIVER / CREEK | LOCATION | INSTALLED | BURN AREA |
|---|---|---|---|---|
| 1. SBCFCD | Montecito Creek | Olive Mill Rd, Montecito | Aug 2012 | n/a |
| 2. SBCFCD | Cachuma Reservoir | County Park, Tequepis Point | Sept 2013 | n/a |
| 3. SBCFCD | Sisquoc River | Garey Bridge, Garey | Sept 2009 | La Brea |
| 4. SBCFCD | Goleta Slough | Goleta Beach County Park | Nov 2014 | n/a |
| 5. USGS | San Pedro Creek | Slippery Rock Ranch, Goleta | Sept 2009 | Gap |
| 6. USGS | Mission Creek | Debris Basin, Mission Canyon | Nov 2009 | Jesusita |

Table 1 – Remote Camera Installations



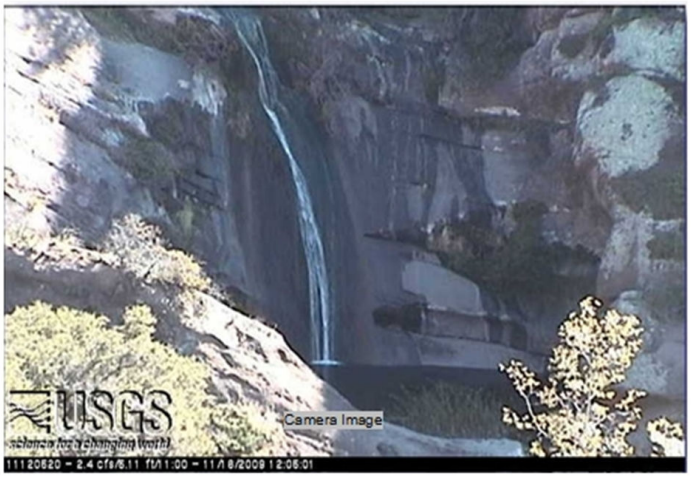
**1. Montecito Creek @ Olive Mill Rd, Montecito**
(http://www.countyofsb.org/pwd/pwwater.aspx?id=44857)

**2. Cachuma Reservoir, County Park @ Tequepis Pt**
(http://www.countyofsb.org/pwd/pwwater.aspx?id=41992)

**3. Sisquoc River @ Garey Bridge, Garey (nr Sisquoc)**
(http://www.countyofsb.org/pwd/pwwater.aspx?id=45229)

Figure 6 – County FCD Remote Camera Installations

**4. Goleta Slough (@ Goleta Beach County Park)**
(http://cosb.countyofsb.org/pwd/pwwater.aspx?id=45229)



**5. San Pedro Creek @ Slippery Rock Ranch, Goleta**
(http://ca.water.usgs.gov/webcams/goleta/)

**6. Mission Creek @ Debris Basin, Santa Barbara**
(http://ca.water.usgs.gov/webcams/missioncr/)

Figure 7 – USGS Remote Camera Installations

## 3.4 County-Wide Automated Flood Warning System

The County "Automated Flood Warning System" was initially implemented in a basic form in 1984 (6 rain gauge sites), and has been enhanced in subsequent years to include more field gauges, more sophisticated capability, website accessible real-time sensor data, and remote web-based camera observation systems.

The current County-wide (96 site) ALERT gauge network provides the basis for the automated flood warning system - the data from which feeds into the County real-time monitoring system, and is also simultaneously routed to the NOAA National Weather Service office (in Oxnard CA).

The flood warning system also has the capability to issue automated (cell phone & email) text messages in the event that established (rain/ stream / reservoir) thresholds have been exceeded. This valuable warning system enables County Hydrology & Flood Control personnel to be immediately informed of potential flood risk information - that may result in more timely and detailed field observations, coordinated agency action plans, and field remediation action.

Hydrology section personnel continuously monitor weather conditions and the integrity of the flood monitoring system during storm operation activities.

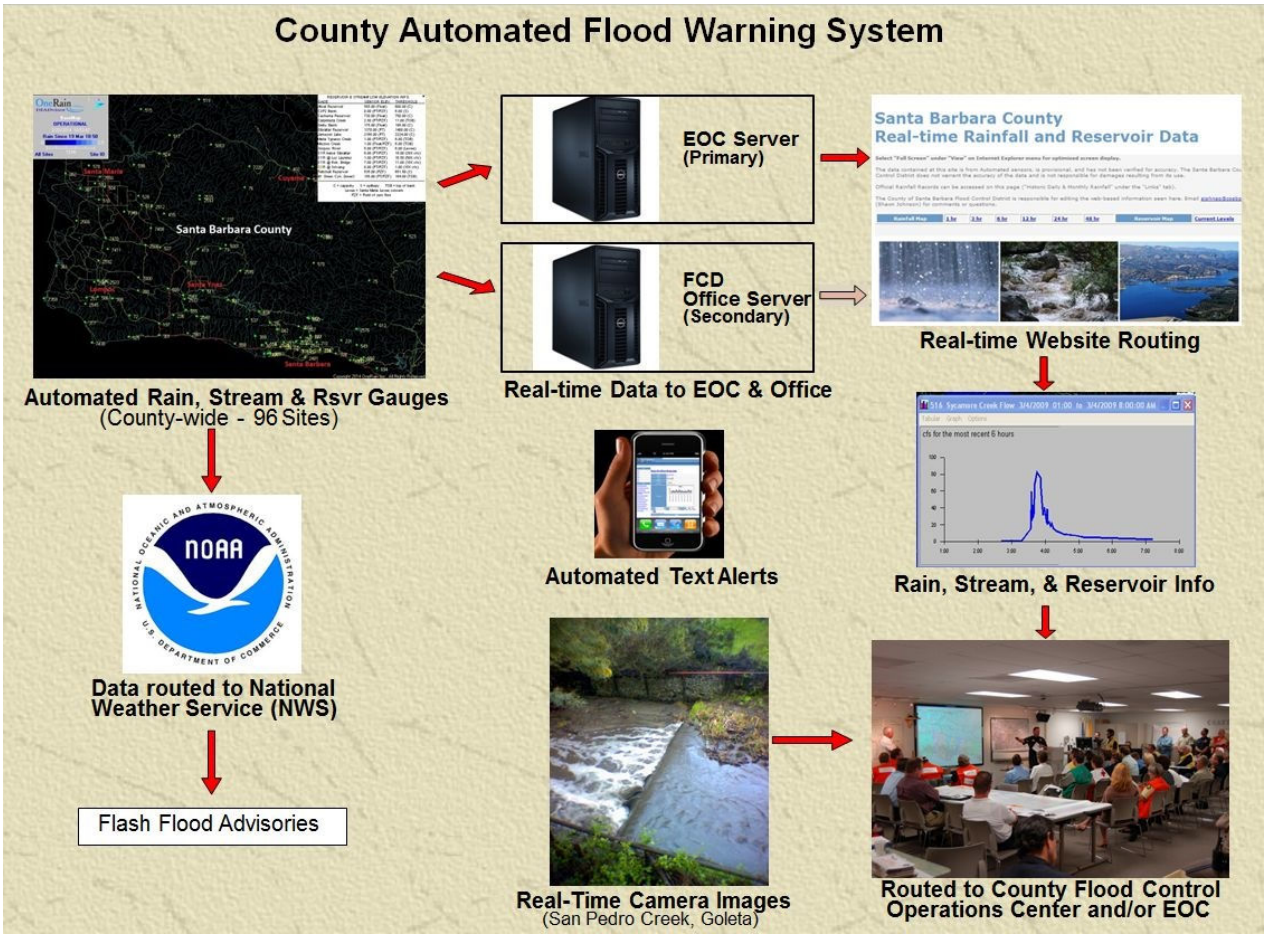



Figure 8 – County Automated Flood Warning System

# 4.0 WEATHER FORECAST & CLIMATE DISCUSSION

The National Weather Service (NWS) coordinates winter-weather forecast meetings with (among others) regional government agencies (including the County of Santa Barbara).

The 2015-16 NWS winter-weather outlook meeting was presented on October 27th by the NWS at their regional NOAA/NWS facility located in Oxnard.

Principal discussion items included NWS forecast for a "wetter than normal" rainfall year for the southern California region. The NWS forecast of a "60% chance" of greater than normal winter rainfall was based principally on the observed "strong El Nino", that in certain years (1983 & 1998) has brought substantial rain & flooding to Santa Barbara County (& southern California).

However, the highly anticipated increased rainfall failed to materialize in southern California, resulting in below normal WY precipitation in Santa Barbara County, and the continuation of 5 consecutive years of below normal rainfall. (See Section 6.4 - Historical Rainfall Comparisons)

El Nino is a disruption of the oceanic and atmospheric cycles of the equatorial Pacific, and is a climatic phenomenon that can affect weather throughout the world. These effects include increased likelihood of rainfall in the southern US and drier conditions in the US north-west. During El Niño events, ocean-surface temperatures in the Eastern Pacific are warmer than normal. Conversely, La Niña events (cooling ocean temperature) typically results in decreased rainfall. ENSO represents the "El Niño" and "La Niña" characteristics, defined by Eastern Pacific ocean surface temperatures (see Figures 9 & 10).

Locally, strong El Niño events are more likely associated with greater than average rainfall, but this trend is generally only an indication of what may be expected. It has also been observed that moderate to weak El Niño events do not always correlate with increased precipitation.

La Niña events have an increased likelihood of "below normal rainfall" in southern California, however La Nina's (strong, moderate, weak) tend to be more inconstant is predicting long term winter precipitation. An indication of this inconsistency is WY2011 - the year of the most rainfall in Santa Barbara County within the last 10 years, yet classified as a "Strong La Nina".

Historical ENSO related forecast trends can be quite variable, as many years classified as "El Nino" can be drier than normal, and many "La Nina" years can be wetter than normal.

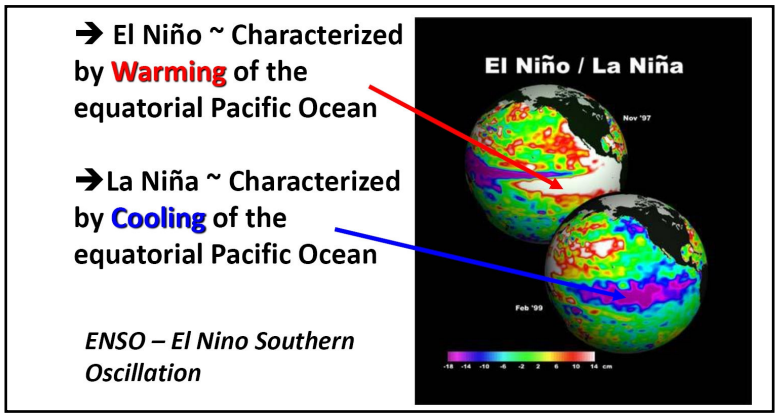



Figure 9– ENSO Weather System Characterization

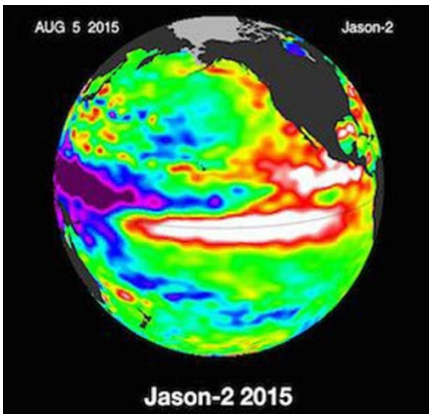



Figure 10 – Aug 2015 ENSO Trend

The NWS 2015-16 "US Winter Outlook" model depicted national precipitation forecast trends characteristic of a "strong El Nino" ENSO pattern, projecting wetter conditions in the US Southwest (Figures 11 & 12).

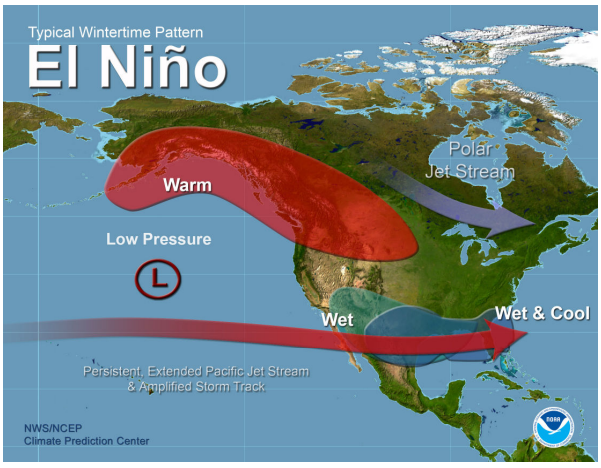



Figure 11 – NWS "El Nino" Wintertime Pattern

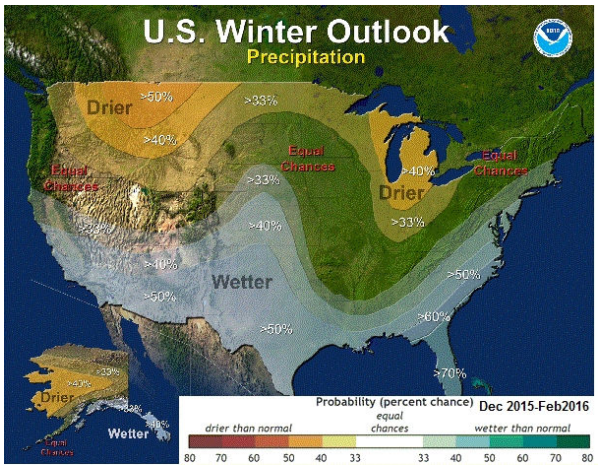



Figure 12 – NWS 2015-16 Precip. Forecast Map

Burn-area flash-flooding related concerns were diminished within Santa Barbara County, as the 5 major burn areas were at least 5 years ago (Zaca, Gap, Tea, Jesusita, La Brea), providing sufficient time for moderate vegetation re-growth. (see Section 5.0 – Burn Areas)

Since any storm can create flash flooding (in La Nina, Neutral, or El Nino years), precautions are necessary to provide advance-warning for emergency decision making processes.
Where necessary, flood advisories are issued directly by the NWS.

The National Weather Service (NWS-NOAA) issued "California Drought Monitor" graphic (below) depicts the increased severity of the drought conditions within California since 2012. The most elevated drought intensity classification (Exceptional Drought) was assigned to Santa Barbara County (including other areas within California) in 2014, 2015, and 2016.

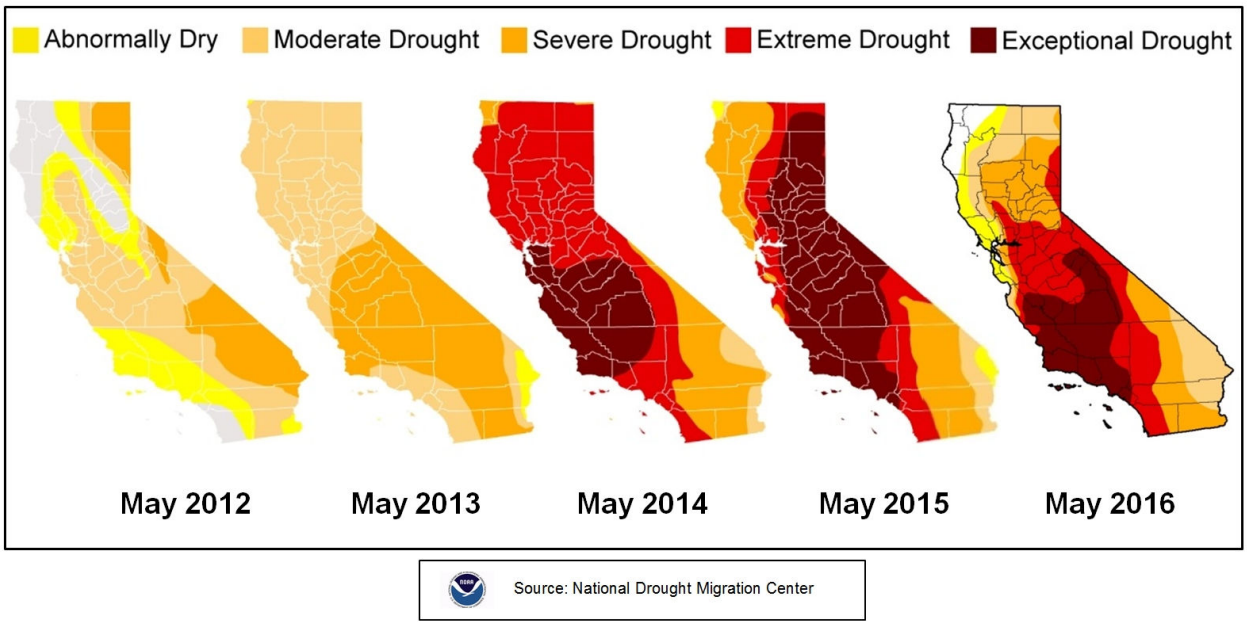



Figure 13 – NWS 2012-16 "California Drought Monitor" Map

# 5.0 BURN AREAS

Large scale burn areas are typically susceptible to greater (post storm) runoff volumes and higher peak runoff rates. The lack of vegetation is a contributing factor, which normally provides resistance, absorption, and soil consolidation that moderates the run-off process. The formation of hydrophobic soil is also a key contributor to greater run-off, as hydrophobic layers form in soil during intense fires that vaporize a waxy substance found in plants. A water repellent layer is formed once the waxy plant substance cools and attaches to the soil particles. An increase in soil erosion, flash flooding, and debris flows are concerns in watersheds where fire has destroyed vegetation.

Burn areas typically require approximately five years of rehabilitation (from a hydrology perspective) to recover to their pre-burn stability. With more than five years having elapsed since the 2007-2009 fires (Zaca, Gap, Tea, Jesusita, La Brea), those affected watersheds have largely recovered.

The 2016 fire burn areas (Sherpa, Rey, and Canyon), however, will be susceptible to rainfall, runoff, and debris flow concerns for at least the next 3-5 years.

## 5.1 2016 Burn Areas (Sherpa, Rey, Canyon)

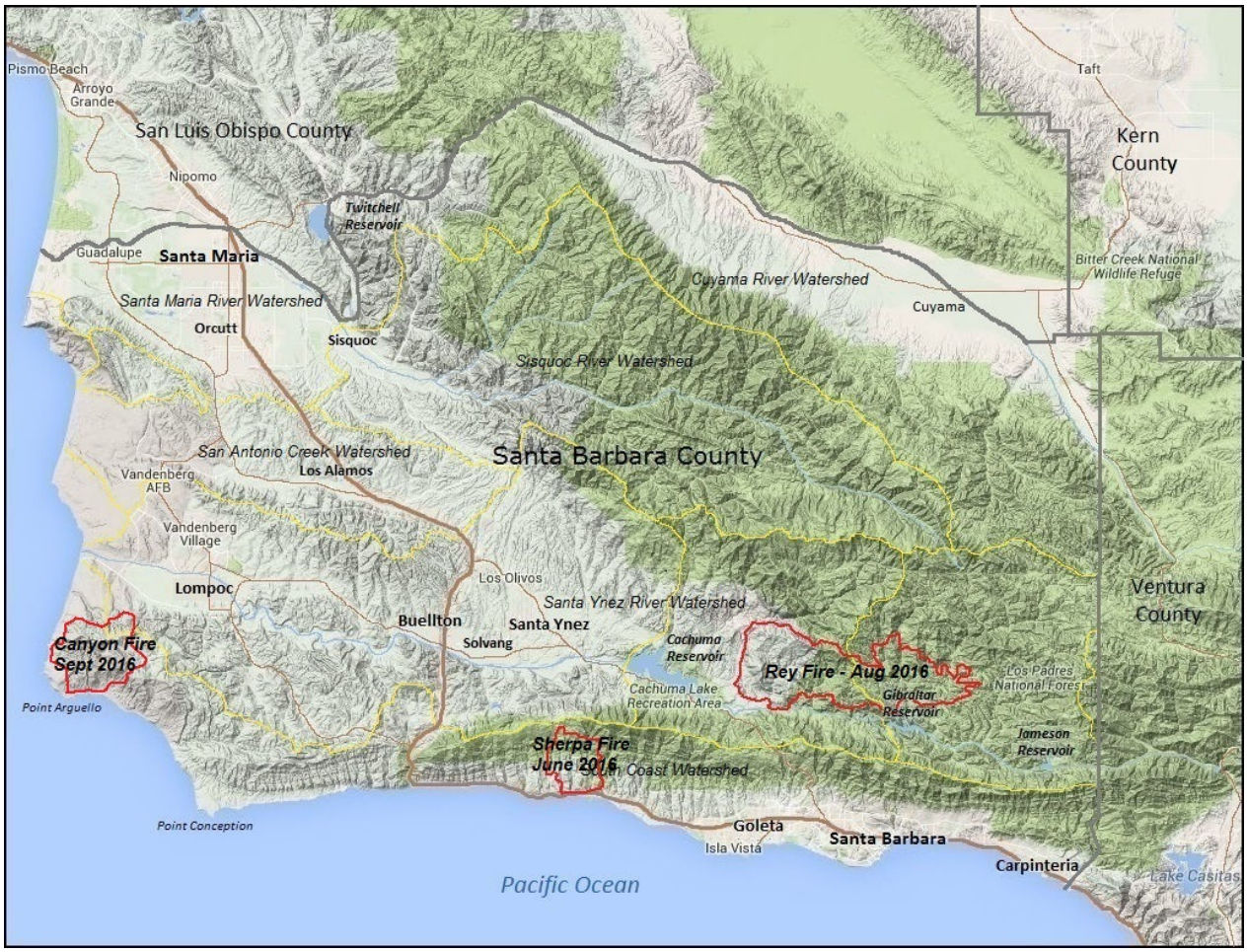



Figure 14 – 2016 County-Wide Burn Areas

The Sherpa Fire, which started north of the 101 freeway near El Capitan State Beach Park, and burned approximately 7,500 acres, started June 15th, and was contained June 27th, 2016. The relatively steep slopes & proximity to the freeway in this burn area presents more elevated concerns regarding run-off and debris flows during higher intensity rainfall events.

The Rey Fire, which started east of Cachuma Reservoir on August 16th, 2016 (and contained within about 3 weeks), burned approximately 33,000 acres to the south of the previously burned Zaca Fire area (2007). The fire started near Paradise Road, in the vicinity of Rancho San Fernando Rey Ranch & White Rock Campground, and was located in a largely undeveloped & unpopulated area within the Los Padres National Forest and Rey Ranch.

The Canyon Fire, located predominantly on Vandenburg Airforce Base property near Lompoc, burned approximately 12,500 acres, started September 17th, and was contained within a week.

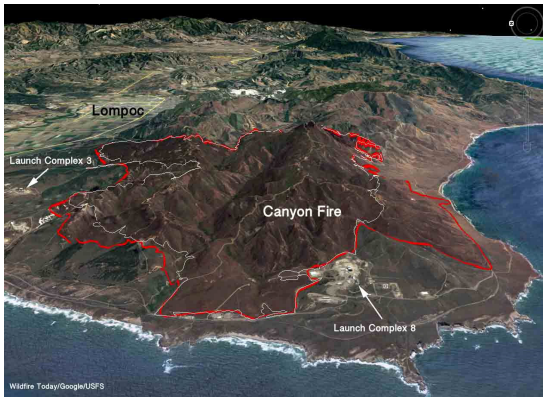
Sherpa Fire - Hwy 101@El Capitan , 6/13/16 (Credit: SBCountyFD)

Sherpa Fire – Post Burn Area, 7/12/16 (Credit: KSBY)

Rey Fire – Water Deployment, 8/21/16 (Credit: SBCountyFD)

Rey Fire – Post Burn Area, 09/23/16 (Credit: USFS)

Canyon Fire – Vandenburg AFB, 9/17/16 (Credit: Noozhawk)




Canyon Fire – Vandenburg AFB (Credit:Wildfire Today)

## 5.2 Previous Burn Areas 2007-09 (Zaca, Gap, Tea, Jesusita, La Brea)

Previously, Santa Barbara County experienced five major wild fire incidents within a three year period between 2007 and 2009. (Zaca, Gap, Tea, Jesusita, La Brea). These fires created the potential for significant flooding, property damage, and resident safety. However favorable rain intensities and spacing of storms in immediate years following minimized those risks.

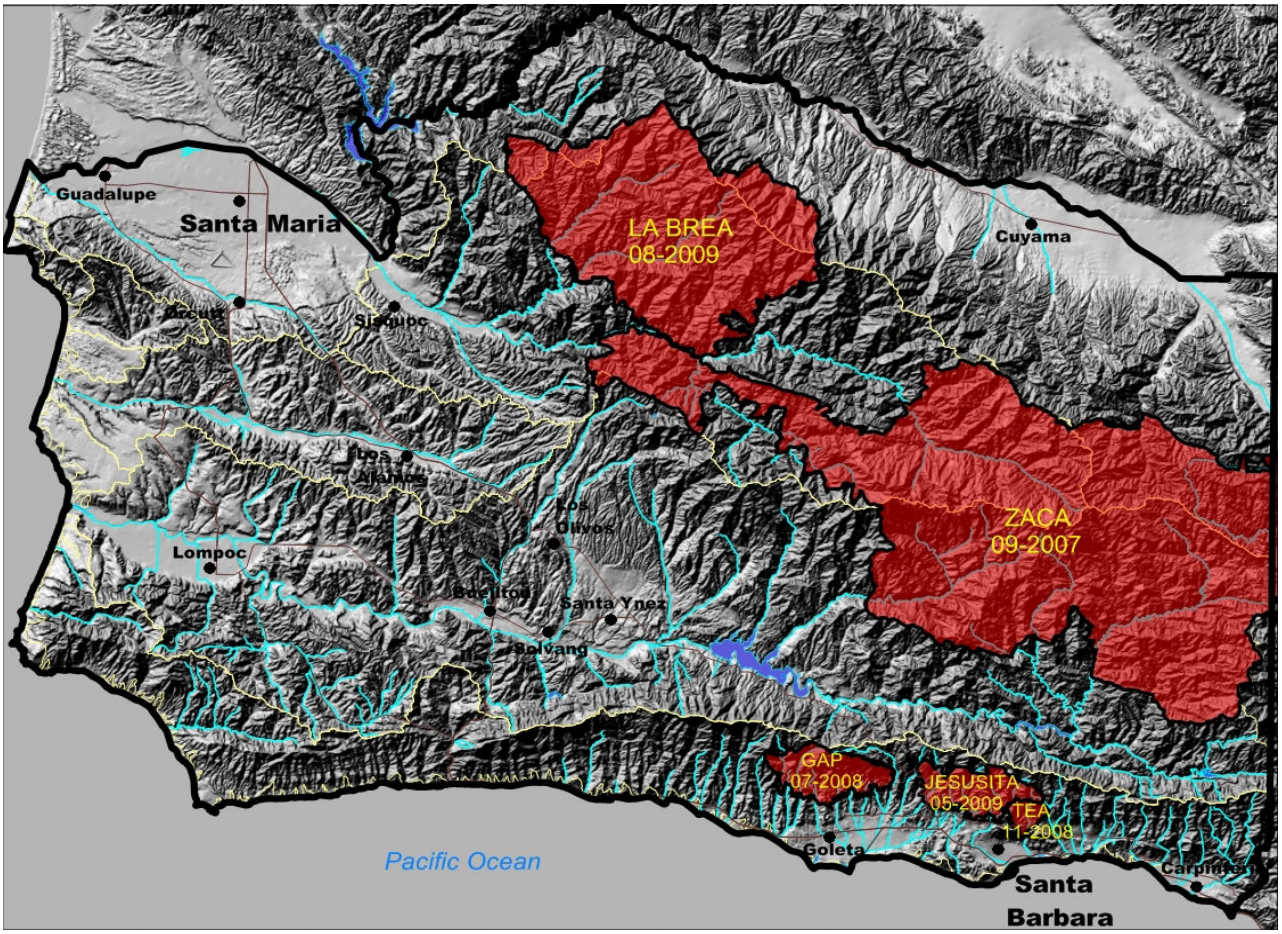



Figure 15 – County-Wide Burn Areas - 2007-2009

Post burn-areas require a number of years of favorable seasonal rainfall for re-growth and recovery. However, subsequent post-burn years may be wetter or drier than normal.
The series of photographs from the 2009 Jesusita Fire (below) document the fairly rapid 2 year recovery after the wetter-than-normal years 2010 and 2011, and then the conditions after 5 years, through year 2014, where much drier-than-normal 3 sequential years were experienced.

Post Jesusita Fire – Aug 2009 (3 month later)

Post Jesusita Fire – March 2011 (2 yrs later)

Post Jesusita Fire – May 2014 (5 yrs later)

(Photos Courtesy of the SB "Multi-use Trails Coalition")

# 6.0 RAINFALL

County-wide 2016 water-year* rainfall average was 70% of normal.

| Rainfall Location | ID | Year* | % of Norm. |
|---|---|---|---|
| **Buellton** (Fire Stn) | *233* | 10.75 | 65% |
| **Cachuma Dam** (USBR) | *332* | 11.71 | 60% |
| **Carpinteria** (Fire Stn) | *208* | 10.11 | 55% |
| **Cuyama** (Fire Stn) | *436* | 7.58 | 102% |
| **Figueroa Mtn** (USFS Stn) | *421* | 17.89 | 85% |
| **Gibraltar Dam** (City Facility) | *230* | 13.08 | 50% |
| **Goleta** (Fire Stn-Los Carneros) | *440* | 11.10 | 61% |
| **Lompoc** (City Hall) | *439* | 11.69 | 83% |
| **Los Alamos** (Fire Stn) | *204* | 11.79 | 78% |
| **San Marcos Pass** (USFS Stn) | *212* | 20.58 | 63% |
| **Santa Barbara** (County Bldg) | *234* | 11.70 | 64% |
| **Santa Maria** (City Pub.Works) | *380* | 8.99 | 69% |
| **Santa Ynez** (Fire Stn /Airport) | *218* | 10.19 | 66% |
| **Sisquoc** (Fire Stn) | *256* | 12.05 | 81% |
| **County-Wide Year End Rainfall Percentage:** | | | **70%** |

Table 2 – County WY2016 Rainfall
*Water-Year runs from Sept. 1st to Aug. 31st

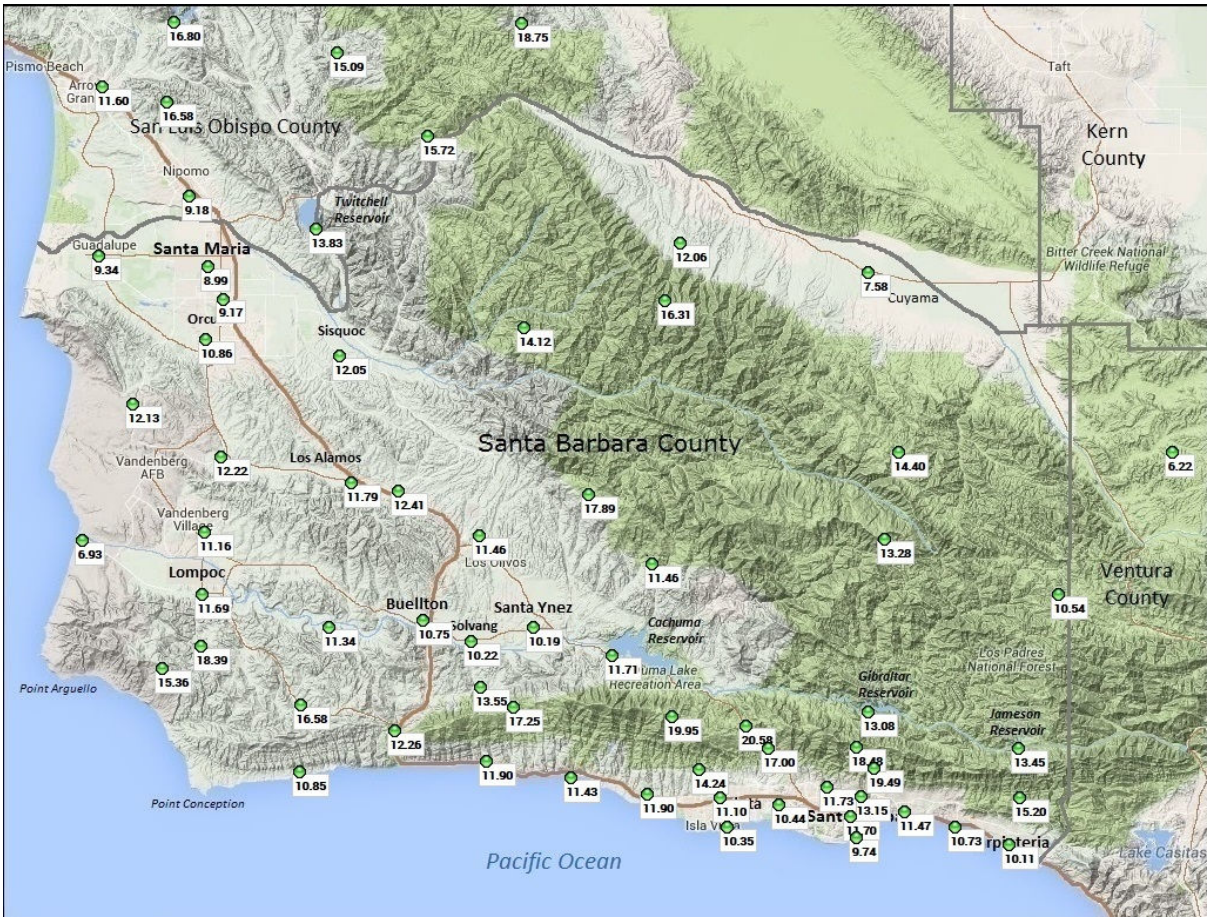



Figure 16 – County Wide WY2016 Rainfall Map

## 6.1 Rainfall Distribution

The WY2016 winter rain season can be summarized as receiving ~70% of normal rainfall, a dry September through December, and three moderate rainfall storm events (one each in Jan, Feb, and Mar) that collectively produced ~2/3 of the annual rainfall.

Water-Year 2016 rainfall was among the driest 20% of years recorded within the County. (see Historical Rainfall – Section 6.4)

The less than average water-year rainfall is compounded by four preceding drier-than-normal years, resulting in a record setting 5 consecutive year dry period (see Section 6.4).

Monthly rainfall distribution was not particularly uniform, as the County experienced an unusually dry start of the water-year (Sept to Dec), with only the months of January & March producing close to average precipitation.

Sequential mid-month storm events in January, February, and March produced approximately 2/3 of the entire annual recorded rainfall. (see Figures 17 and 18)

Rainfall distribution throughout the County typically varies substantially, with precipitation largely dictated by geographic location and regional topography.

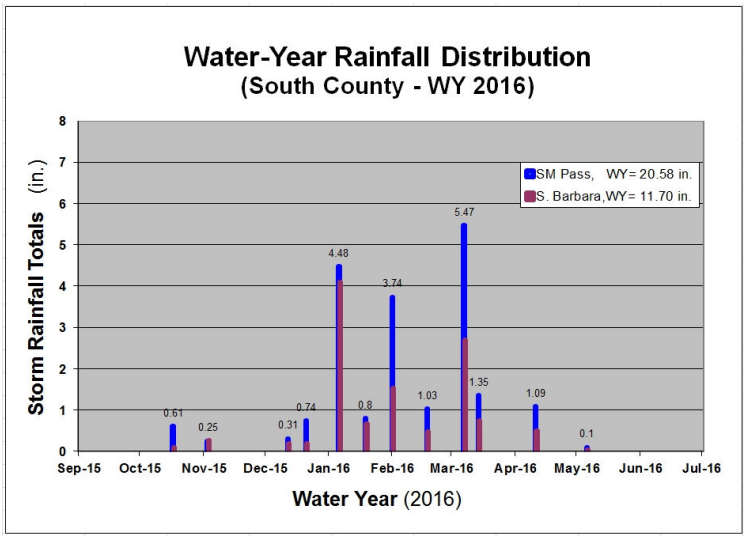



Figure 17 – South County Rainfall Distribution

The south-County mountain regions (San Marcos Pass) tend to receive 2 times the rainfall as the geographically close south-County coastal areas (including the city of Santa Barbara).

Similarly, the north-County (Santa Maria) tends to receive 3/4 the rainfall of the south-County coastal areas, but approximately 2 times the rainfall recorded in the arid Cuyama region located in the northeast area of the County.

However, WY2016 resulted in Cuyama (north-east County) receiving almost as much WY rainfall as Santa Maria, as depicted in Figure 18.

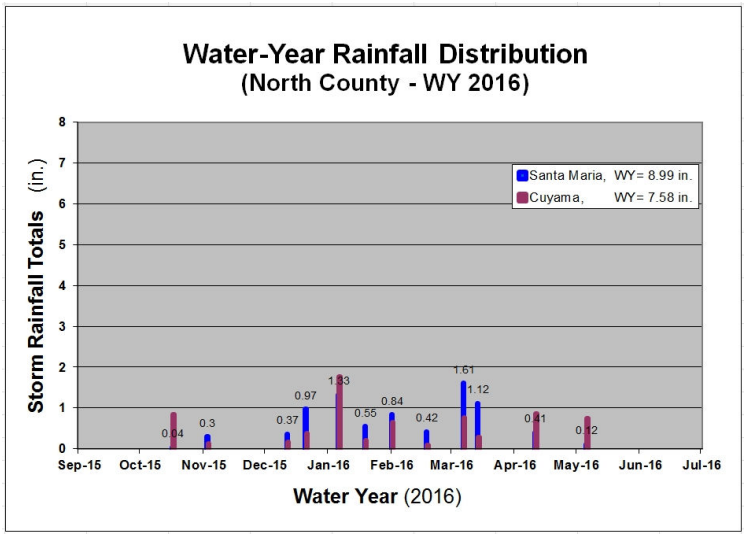



Figure 18 – North County Rainfall Distribution

## 6.2 Rainfall Intensity & Average Recurrence Intervals

Rainfall Intensity values (WY maximums) for short duration periods (5 min through 24 hours) are computed for principal rainfall locations within the County (Table 6).

Consistent with County geographic and orographic trends, the highest WY2016 rainfall intensities were typically experienced in the south-coast higher elevation regions.

Five different isolated storm events produced the higher intensity rainfall events at each of six primary rainfall sites within the County (Jan 6&31, March 7&11, May 5). The most noteworthy of the rainfall intensities was recorded at Cuyama (5/5/16) where 5 minute through 60 minute rainfall events resulted in 10 year to 100 year Average Recurrence Intervals (ARI).

**Rainfall Intensities and Average Recurrence Intervals (ARI)**

**Maximum Rainfall Intensities for Water Year 2016**

| RAINFALL STATION | ID | 5min | 10min | 15min | 30min | 1hour | 2hour | 3hour | 6hour | 8hour | 12hour | 24hour | WY Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Buellton | 233 | 0.20 | 0.36 | 0.43 | 0.69 | 0.93 | 1.12 | 1.18 | 1.25 | 1.34 | 1.37 | 1.70 | 10.75 |
| Cachuma Dam | 332 | 0.11 | 0.17 | 0.23 | 0.32 | 0.56 | 0.85 | 1.00 | 1.21 | 1.25 | 1.39 | 1.44 | 11.71 |
| Carpinteria | 208 | 0.29 | 0.36 | 0.39 | 0.60 | 0.85 | 1.21 | 1.31 | 1.66 | 1.73 | 1.75 | 2.31 | 10.11 |
| Cuyama | 436 | 0.24 | 0.35 | 0.41 | 0.48 | 0.51 | 0.54 | 0.60 | 0.64 | 0.65 | 0.66 | 0.91 | 7.58 |
| Figueroa Mountain | 421 | 0.20 | 0.31 | 0.41 | 0.60 | 0.79 | 1.10 | 1.23 | 1.42 | 1.42 | 1.53 | 2.34 | 17.89 |
| Gibraltar Dam | 230 | 0.17 | 0.24 | 0.28 | 0.47 | 0.77 | 1.24 | 1.51 | 1.99 | 2.00 | 2.00 | 2.01 | 13.08 |
| Goleta | 440 | 0.36 | 0.58 | 0.69 | 0.90 | 1.04 | 1.41 | 1.55 | 1.65 | 1.67 | 1.76 | 2.27 | 11.10 |
| Lompoc | 439 | 0.16 | 0.19 | 0.25 | 0.36 | 0.56 | 0.73 | 0.86 | 1.07 | 1.08 | 1.08 | 1.19 | 11.69 |
| Los Alamos | 204 | 0.14 | 0.22 | 0.28 | 0.38 | 0.52 | 0.71 | 0.79 | 0.91 | 0.92 | 1.32 | 1.45 | 11.79 |
| San Marcos Pass | 212 | 0.44 | 0.63 | 0.77 | 1.09 | 1.55 | 2.35 | 2.76 | 3.71 | 3.72 | 3.91 | 4.07 | 20.58 |
| Santa Barbara | 234 | 0.33 | 0.42 | 0.47 | 0.59 | 0.76 | 1.08 | 1.40 | 1.61 | 1.65 | 1.75 | 2.38 | 11.70 |
| Santa Maria | 380 | 0.16 | 0.18 | 0.19 | 0.24 | 0.34 | 0.61 | 0.66 | 0.87 | 0.88 | 0.98 | 1.03 | 8.99 |
| Santa Ynez | 218 | 0.15 | 0.27 | 0.35 | 0.48 | 0.64 | 0.88 | 0.96 | 1.07 | 1.07 | 1.20 | 1.28 | 10.19 |
| Sisquoc | 256 | 0.25 | 0.31 | 0.33 | 0.33 | 0.57 | 0.66 | 0.69 | 0.89 | 0.92 | 1.30 | 1.37 | 12.05 |

**Expected Average Recurrence Intervals (ARI in years) or Return Periods - for the above Depth Durations**

| | RP | 5min | 10min | 15min | 30min | 1hour | 2hour | 3hour | 6hour | 8hour | 12hour | 24hour | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RAINFALL STATION | ID | ARI | ARI | ARI | ARI | ARI | ARI | ARI | ARI | ARI | ARI | ARI | ARI |
| Buellton | 233 | 2 | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cachuma Dam | 332 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Carpinteria | 208 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cuyama | 436 | 50 | 100 | 100 | 50 | 10 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Figueroa Mountain | 421 | 2 | 5 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Gibraltar Dam | 230 | 2 | 2 | 2 | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 2 | 2 |
| Goleta | 440 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Lompoc | 439 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Los Alamos | 204 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| San Marcos Pass | 212 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Santa Barbara | 234 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Santa Maria | 380 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Santa Ynez | 218 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Sisquoc | 256 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

Note: Rainfall Units in Inches
Additional Rainfall Intensity & Average Recurrence Interval data are available on the Hydrology website at:
http://www.countyofsb.org/pwd/pwwater.aspx?id=3772

Table 3 – Rainfall Intensities and Average Recurrence Intervals

## 6.3 Antecedent Conditions (Soil Wetness)

The Antecedent index (AI) is an estimation of runoff potential that is based on previously occurring rainfall, time of year, and watershed characteristics. It is defined as the inches of rainfall over a basin during a single storm that is required to produce one inch of runoff over the basin. Therefore, an AI of 6.0 indicates that 6.0 inches of rain falling in 24 hours would result in an inch of runoff from the basin.

The AI index value is an important criteria for County storm modeling processes, as a normally significant storm may result in minimal runoff or insignificant flooding if current dry conditions prevail. The County Flood Control District uses the AI as a general indication of flood potential, and as an input to "FCRIVER" flood/flow modeling (see Sect 9.1) - the computer model that predicts peak flow and timing at points along the Santa Ynez River. FCRIVER also provides a capability to predict Cachuma Reservoir operations to minimize flood damage below the dam.

The AI program used by the District divides the Santa Ynez River Watershed into three sub-watersheds. AI's are calculated for the upper watershed at Gibraltar Reservoir, the middle watershed at Figueroa Mountain, and the lower watershed at the City of Lompoc. Adjustments are made in the program for each site to account for specific watershed conditions and gauge locations.

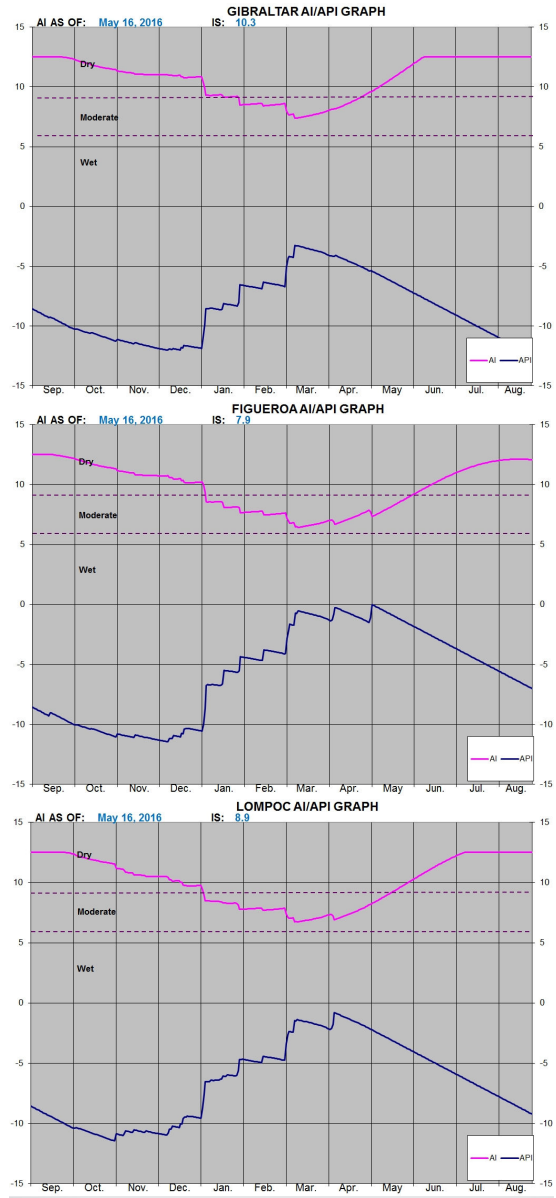
The WY2016 AI graphs depicted (Figures 19 to 21) are representations of the runoff potential based on the calculation of soil moisture (at Gibraltar Dam, Figueroa Mountain, and Lompoc).

The graphs illustrate a transition from "Dry" (>9.0) to "Moderate" (6.1 to 9.0) conditions early January, and then back to "Dry" in late May. There were no periods that registered as sustained "Wet" conditions. The antecedent profiles also depict a void in any abrupt AI changes throughout the winter, an indication of the lack of significant storm events.

The predominantly dry to moderate conditions are indicative of the annual AI's staying between 12.5 (maximum dry) and a minimum of ~7.0.
AI Index Reference range in noted in the table below:

<u>Antecedent Index (AI) Reference:</u>

| | |
|---|---|
| 2.5 | = Maximum Saturation |
| 6.0 and below | = Wet |
| 6.1 to 9.0 | = Moderate |
| 9.1 and above | = Dry |
| 12.5 | = Maximum Dry |




Figures 19 to 21 – Gibraltar, Figueroa, Lompoc – AI (WY2016)

## 6.4 Historical Rainfall Comparisons

Water Year 2016 in Santa Barbara County, at 70% of normal rainfall, has resulted in the continued progression of drier than normal years, culminating in the driest 5 consecutive year period on record.

Unlike WY's 2012, 2013, and 2014, WY 2016 did not individually rank within the driest 5 years on record, but was still among the driest 20% of years recorded within the County, adding to the progressive multi-year drought severity. (see Historical Driest Years – Table 4)

Other historic 5-year dry periods over the past 100+ years include 1946-50, 1947-51, and 1987-91, but none as collectively dry as consecutive water years 2012-16.

The following "Percent-of-Normal" rainfall graph depicts the County-wide multi-year rainfall trend (17 years), and the most recent 5 consecutive years of "below normal" rainfall.

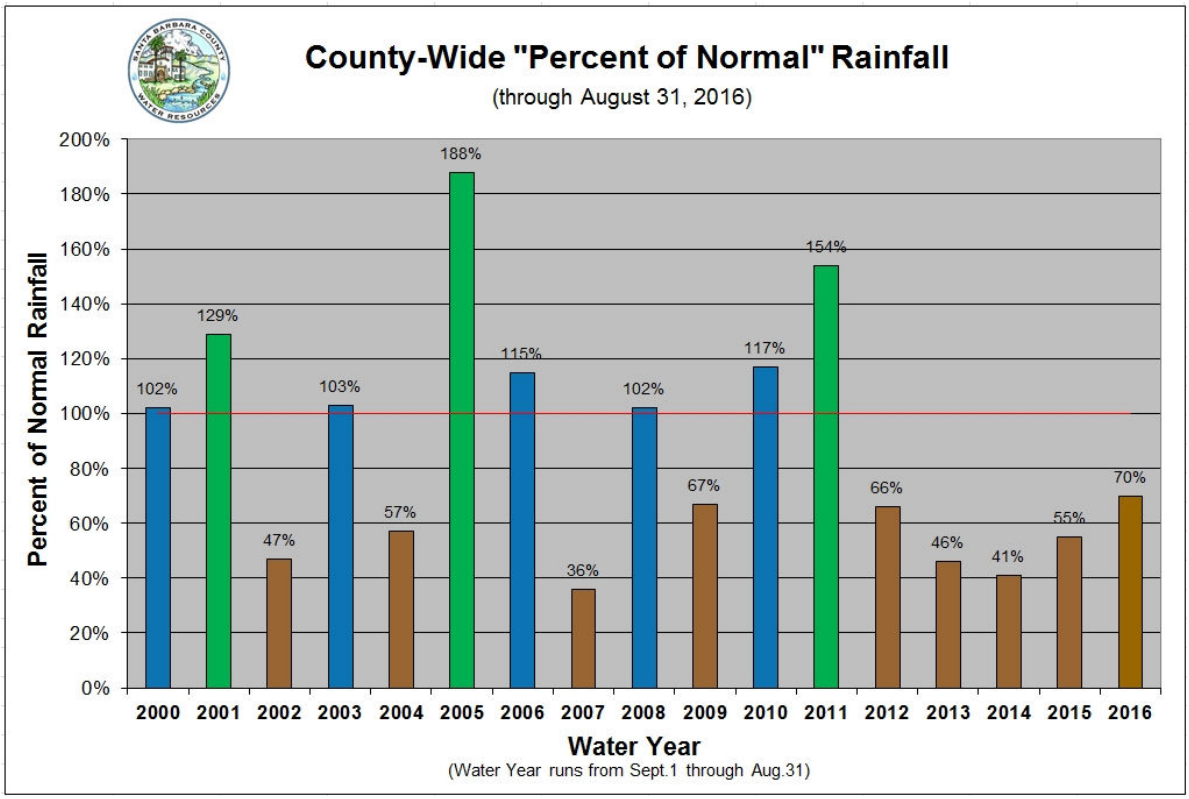



Figure 22 – County-wide Percent-of-Normal Rainfall (last 17 Years)

Record & near-record dry years are depicted in Table 4, with three of the past five years (2012, 2013, 2014) represented within the top-5 driest years within Santa Barbara County (dating back ~100 years).

The five recent drier-than-normal years (2012 through 2016) are also represented in all the multi-year classifications (1 year thru 5 year) of the driest consecutive year periods. (Figures 23 & 24)

Many County locations multi-year rain accumulations are so low they reflect less accumulated rainfall within the past five years than a single-year of rain during extreme rainfall years (1998 & 1983), the "strong El Nino years" (often referenced to what WY2016 was forecast to compare).

## County of Santa Barbara

### HISTORICAL DRIEST YEARS

| Buellton | | |
|---|---|---|
| Stn #233 | 1955-2016 | 62 years |
| Rank | Year | Rain |
| 1 | 2013-14 | 5.87" |
| 2 | 2006-07 | 6.30" |
| 3 | 1988-89 | 6.79" |
| 4 | 2014-15 | 6.94" |
| 5 | 1989-90 | 7.06" |
| | Normal | 16.70" |

| Cachuma Dam | | |
|---|---|---|
| Stn #332 | 1953-2016 | 64 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 7.33" |
| 2 | 2012-13 | 7.87" |
| 3 | 1989-90 | 8.41" |
| 4 | 2001-02 | 8.70" |
| 5 | 1988-89 | 9.11" |
| | Normal | 19.73" |

| Carpinteria | | |
|---|---|---|
| Stn #208 | 1949-2016 | 67 years |
| Rank | Year | Rain |
| 1 | 2013-14 | 5.83" |
| 2 | 2006-07 | 7.11" |
| 3 | 2001-02 | 7.66" |
| 4 | 2012-13 | 8.33" |
| 5 | 2014-15 | 8.48" |
| | Normal | 17.41" |

| Cuyama | | |
|---|---|---|
| Stn #436 | 1955-2016 | 62 years |
| Rank | Year | Rain |
| 1 | 2013-14 | 1.74" |
| 2 | 1989-90 | 1.98" |
| 3 | 2012-13 | 2.32" |
| 4 | 2001-02 | 3.10" |
| 5 | 2006-07 | 3.19" |
| | Normal | 7.66" |

| Figueroa Mtn | | |
|---|---|---|
| Stn #421 | 1961-2016 | 56 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 8.70" |
| 2 | 2013-14 | 9.07" |
| 3 | 1989-90 | 9.22" |
| 4 | 1971-72 | 9.41" |
| 5 | 2001-02 | 9.55" |
| | Normal | 21.35" |

| Gibraltar Dam | | |
|---|---|---|
| Stn #230 | 1920-2016 | 97 years |
| Rank | Year | Rain |
| 1 | 2012-13 | 8.50" |
| 2 | 2006-07 | 9.24" |
| 3 | 1923-24 | 10.40" |
| 4 | 2001-02 | 10.40" |
| 5 | 1950-51 | 11.36" |
| | Normal | 26.31" |

| Goleta | | |
|---|---|---|
| Stn #440 | 1942-2016 | 75 years |
| Rank | Year | Rain |
| 1 | 2013-14 | 6.88" |
| 2 | 1989-90 | 7.04" |
| 3 | 2006-07 | 7.40" |
| 4 | 1947-48 | 8.80" |
| 5 | 2001-02 | 9.05" |
| | Normal | 18.42" |

| Lompoc | | |
|---|---|---|
| Stn #439 | 1955-2016 | 62 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 5.31" |
| 2 | 1988-89 | 6.14" |
| 3 | 1971-72 | 6.33" |
| 4 | 1989-90 | 6.95" |
| 5 | 2013-14 | 7.20" |
| | Normal | 14.46" |

| Los Alamos | | |
|---|---|---|
| Stn #204 | 1910-2016 | 107 years |
| Rank | Year | Rain |
| 1 | 1923-24 | 5.38" |
| 2 | 2013-14 | 6.25" |
| 3 | 2006-07 | 6.29" |
| 4 | 2012-13 | 6.31" |
| 5 | 1960-61 | 7.20" |
| | Normal | 15.24" |

| San Marcos Pass | | |
|---|---|---|
| Stn #212 | 1966-2016 | 51 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 10.90" |
| 2 | 2013-14 | 12.05" |
| 3 | 2001-02 | 14.50" |
| 4 | 1989-90 | 17.46" |
| 5 | 1971-72 | 17.88" |
| | Normal | 33.95" |

| Santa Barbara | | |
|---|---|---|
| Stn #234 | 1900-2016 | 117 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 6.41" |
| 2 | 1923-24 | 6.43" |
| 3 | 1989-90 | 7.42" |
| 4 | 2013-14 | 8.06" |
| 5 | 1963-64 | 8.50" |
| | Normal | 18.33" |

| Santa Maria | | |
|---|---|---|
| Stn #380 | 1907-2016 | 110 years |
| Rank | Year | Rain |
| 1 | 2013-14 | 4.97" |
| 2 | 2006-07 | 5.60" |
| 3 | 1971-72 | 5.69" |
| 4 | 1989-90 | 5.94" |
| 5 | 1988-89 | 6.18" |
| | Normal | 13.31" |

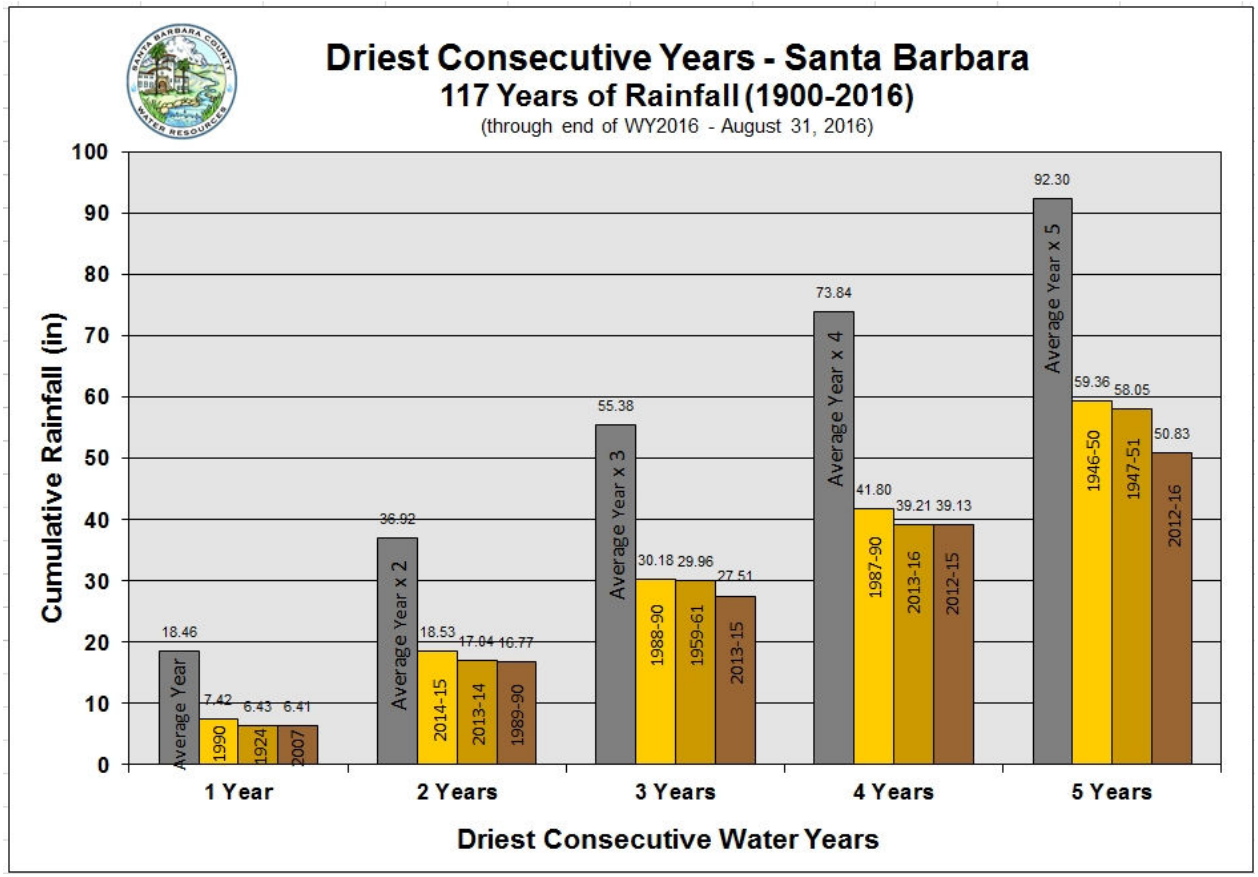
| Santa Ynez | | |
|---|---|---|
| Stn #218 | 1951-2016 | 66 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 6.58" |
| 2 | 1989-90 | 6.75" |
| 3 | 2012-13 | 6.89" |
| 4 | 1988-89 | 7.18" |
| 5 | 1971-72 | 7.55" |
| | Normal | 15.73" |

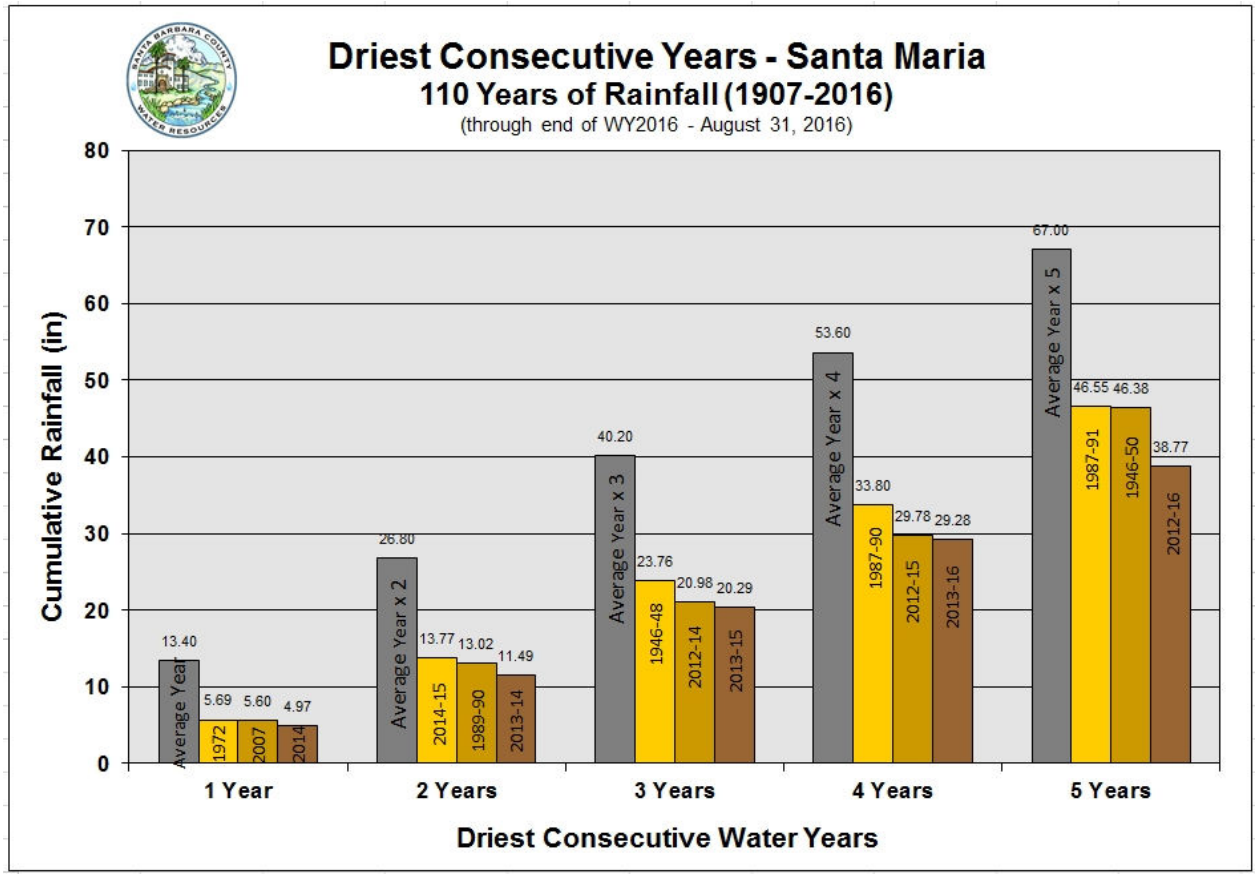
| Sisquoc | | |
|---|---|---|
| Stn #256 | 1948-2016 | 68 years |
| Rank | Year | Rain |
| 1 | 2006-07 | 5.82" |
| 2 | 1971-72 | 6.21" |
| 3 | 1989-90 | 6.52" |
| 4 | 2013-14 | 7.18" |
| 5 | 2014-15 | 7.91" |
| | Normal | 15.08" |

Table 4 – Historical Driest Years (Santa Barbara County)

Although WY2016 rainfall did not rank within the top-5 driest years on record, the three previous years (2013, 2014, 2015) are all featured among the driest years recorded (see Table 4).

The "Driest Consecutive Years" graphs (Figures 23 & 24) depict the Driest 1, 2, 3, 4, and 5 consecutive years ever recorded in Santa Barbara and Santa Maria (over a 110+ year record). WY's 2012 to 2016 represent the driest 5 consecutive years ever recorded within the County.




Figures 23 & 24 – Driest Consecutive Years (Santa Barbara County)

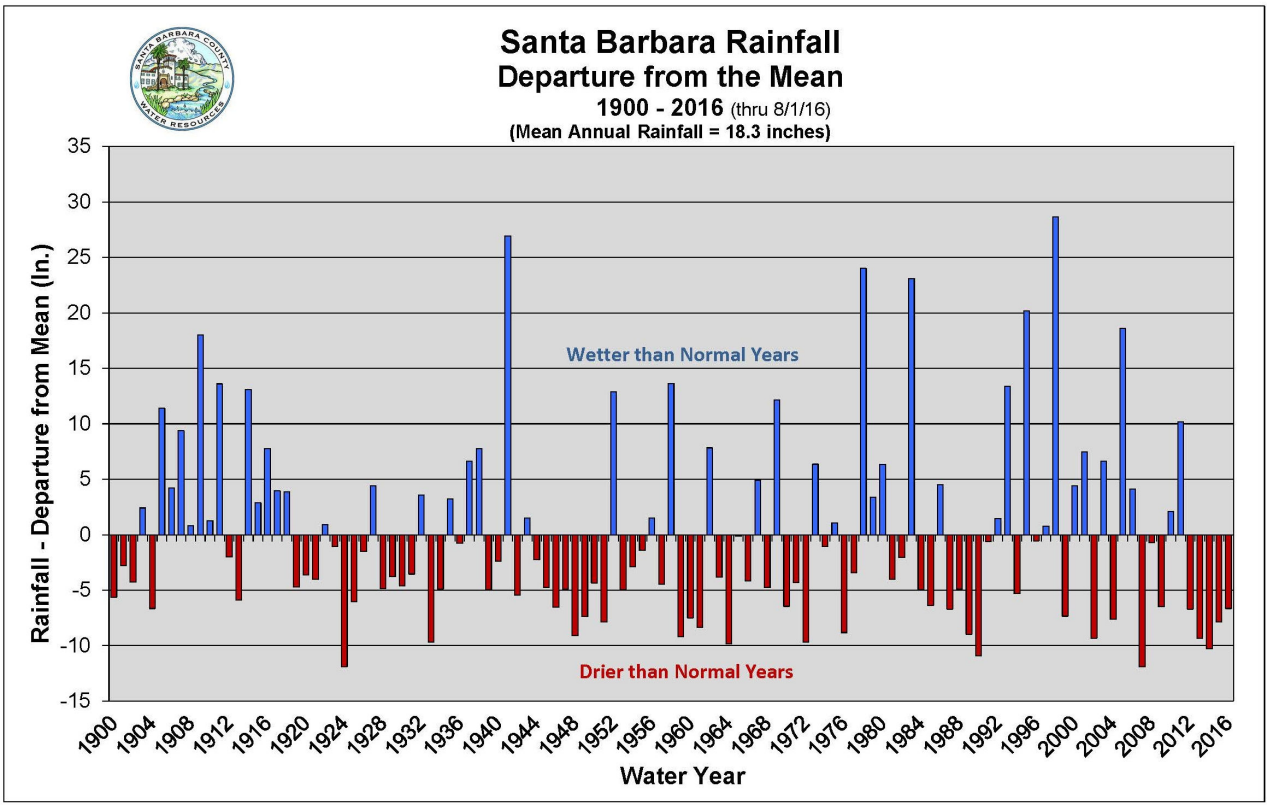


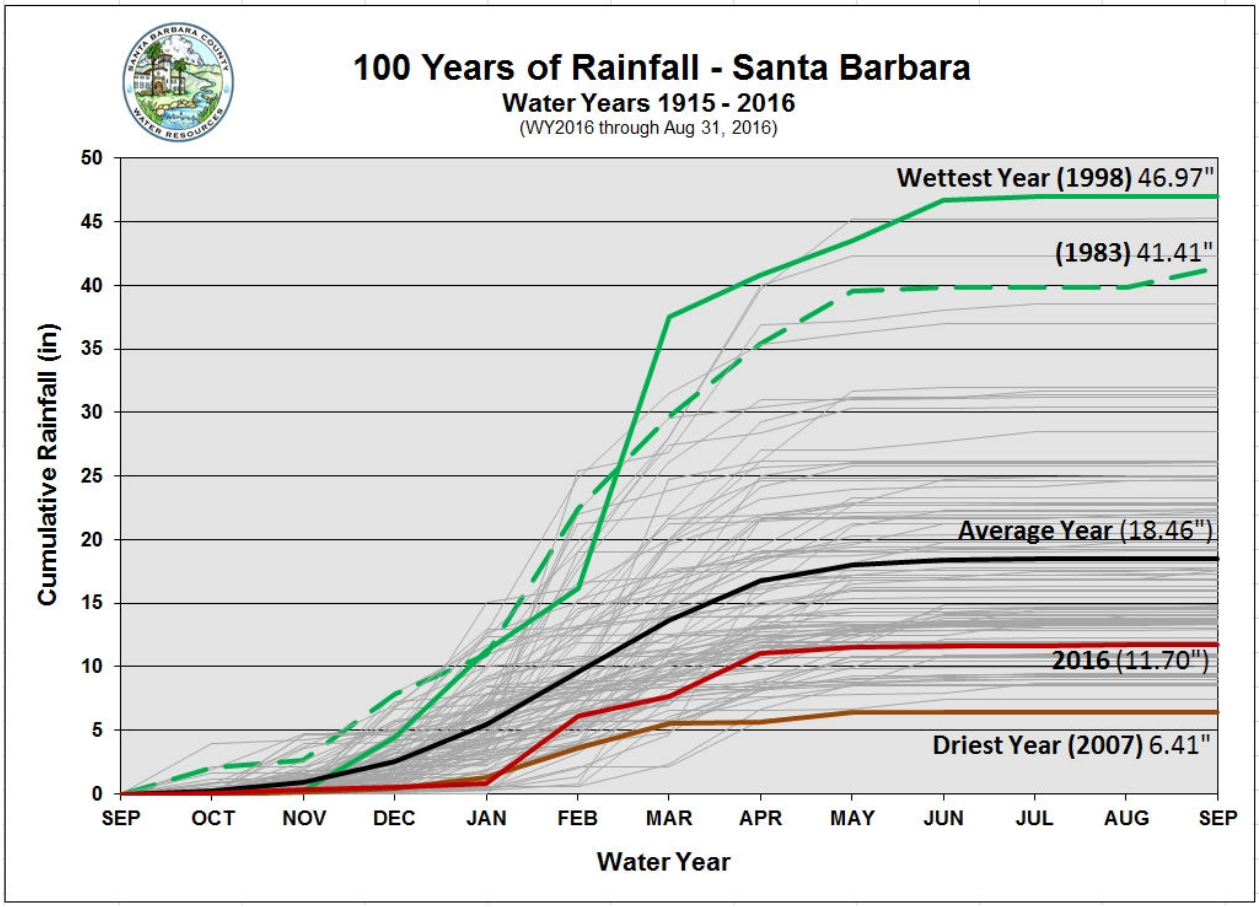

Figure 25 – Rainfall – Departure from the Mean (Santa Barbara)

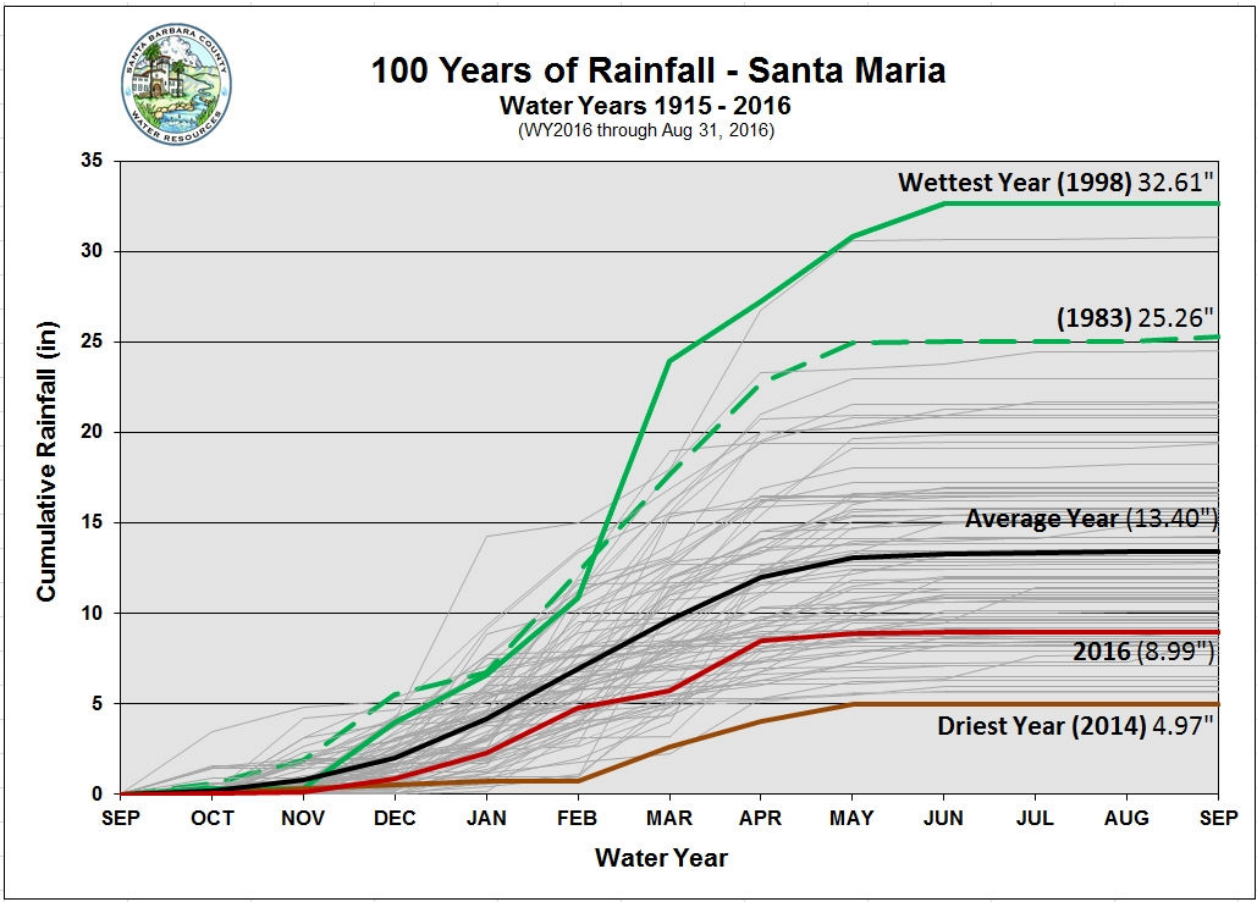
The "Departure from the Mean" rainfall graph (Figure 25) shows how rainfall years are depicted when subtracted from the average yearly rainfall (18.3" in Santa Barbara).

Trends of consecutive rainfall years, both wetter and drier than normal, are more clearly identified in the departure format.

The historically significant 8 consecutive dry year period of "1944 to 1951" ends with a wet year (1952) that is approx. 13" wetter than normal.

The most recent 5 year record-dry-period (2012 to 2016) is preceded by a noteworthy (2011) wet year, that resulted in 150% of normal rainfall, and full County reservoirs. (see Section 8.0)




Figures 26 &27 – 100 Years of Rainfall, and Wettest/Driest Years (Santa Barbara County)

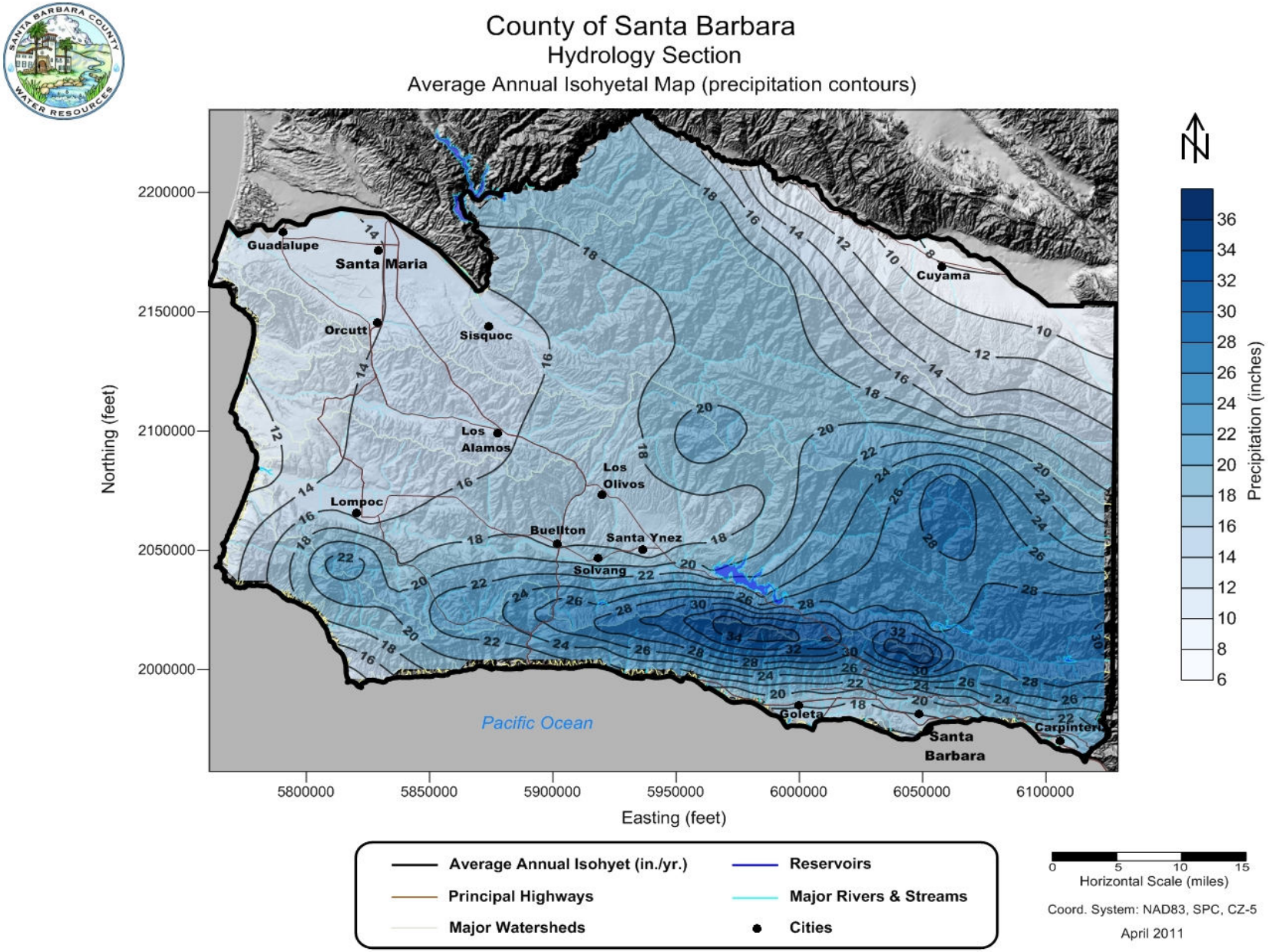



Figure 28 – County Average Annual Rainfall Contours (Isohyetal)

# 7.0 RIVERS & STREAMS

The County Flood Control District (FCD) operates & maintains 16 River & Stream gauges at various locations within Santa Barbara County. Fifteen of these gauges are automated (Alert, Alert/USGS co-located), and report in real-time to the County FCD operations center. Carpinteria Slough is a non-transmitting self-recording gauge site. (see Location Map - Figure 26)

In addition, the US Geological Survey (USGS) maintains 8 additional river & stream gauge locations within the County, the data from which can be accessed online (with 1 to 3 hour delay).

County FCD gauges are located at sites important for flood & flow monitoring - including major river systems (Santa Ynez River, Sisquoc River, Cuyama River), streams near urban areas, reservoir out-flows, burn-area impacted regions, fish passage monitoring, and for other flow related purposes.

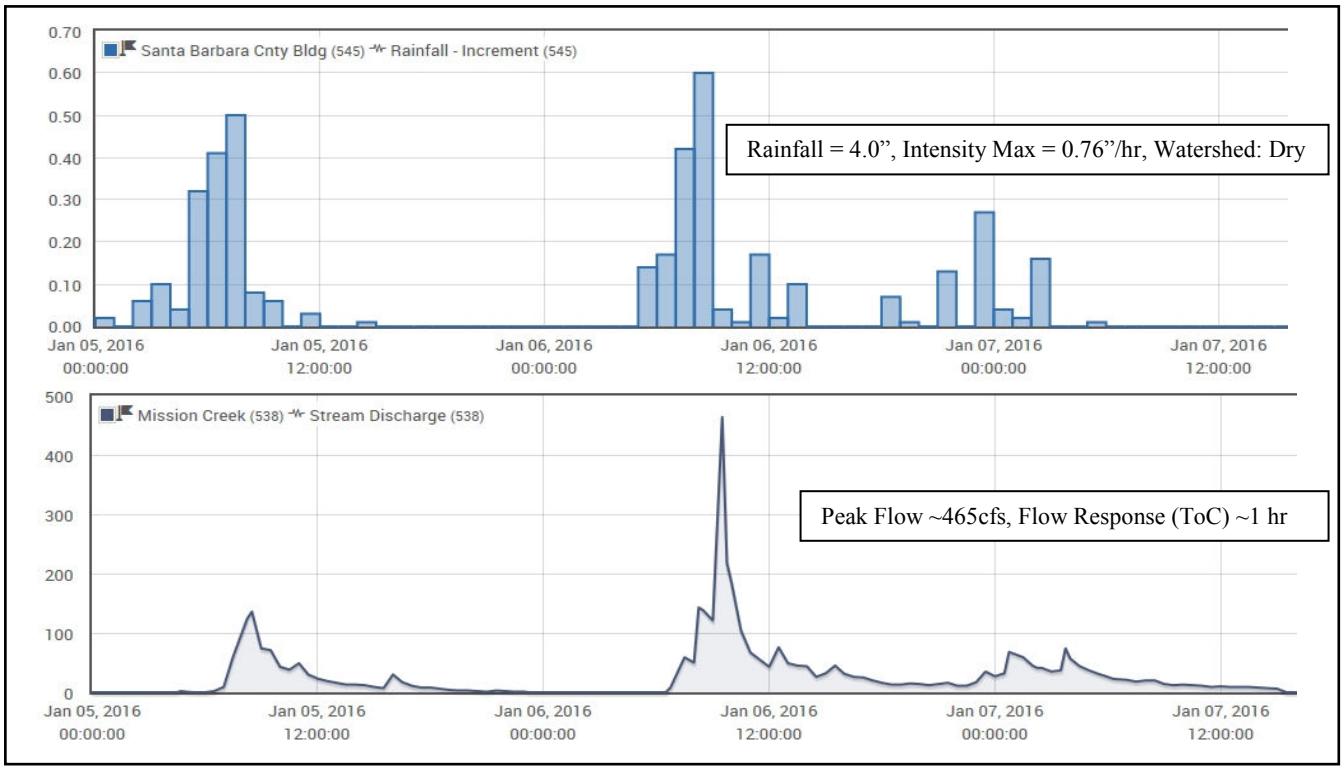
Flow observation graphs at four principal stream & river gauges sites (correlated with rainfall) are illustrated in Section 7.1 – next page (Sisquoc River@Garey, Mission Creek-SB, Cuyama River, Carpinteria Creek). The most noteworthy WY2016 storms are documented (Jan & March), although most flows shown are not indicative of significant events, due to the dry nature of WY2016.

The graph correlations document how the stream flow (discharge & time of concentration - ToC) is affected by the watershed size, storm rainfall magnitude, rainfall intensity, and antecedent (soil wetness) conditions. Urban area run-off (ie: Mission Creek) is much less affected by antecedent factors. Reservoir spilling & releases also affects downstream river & gauge response, although no reservoir spillway releases were experienced in WY2016.

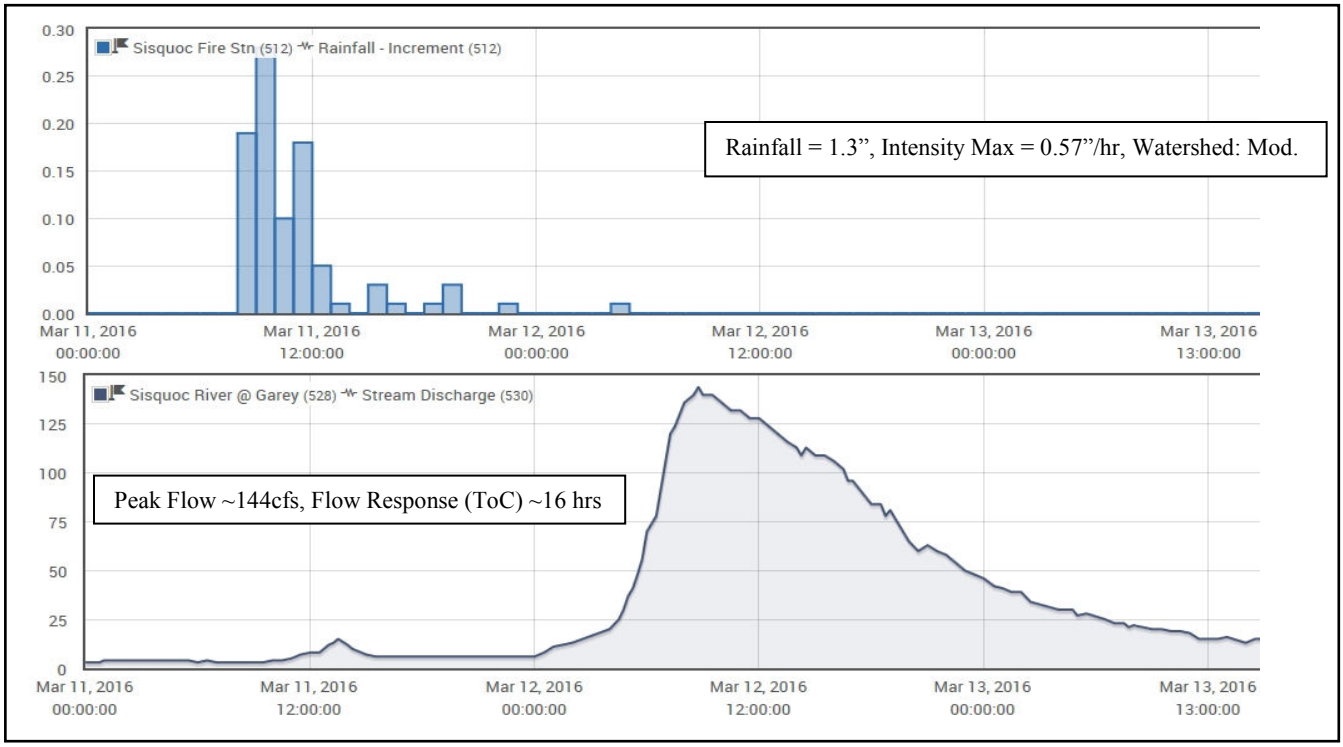
Figure 29 – County FCD River & Stream Gauge Location Map

## 7.1 Stream Discharge Observations

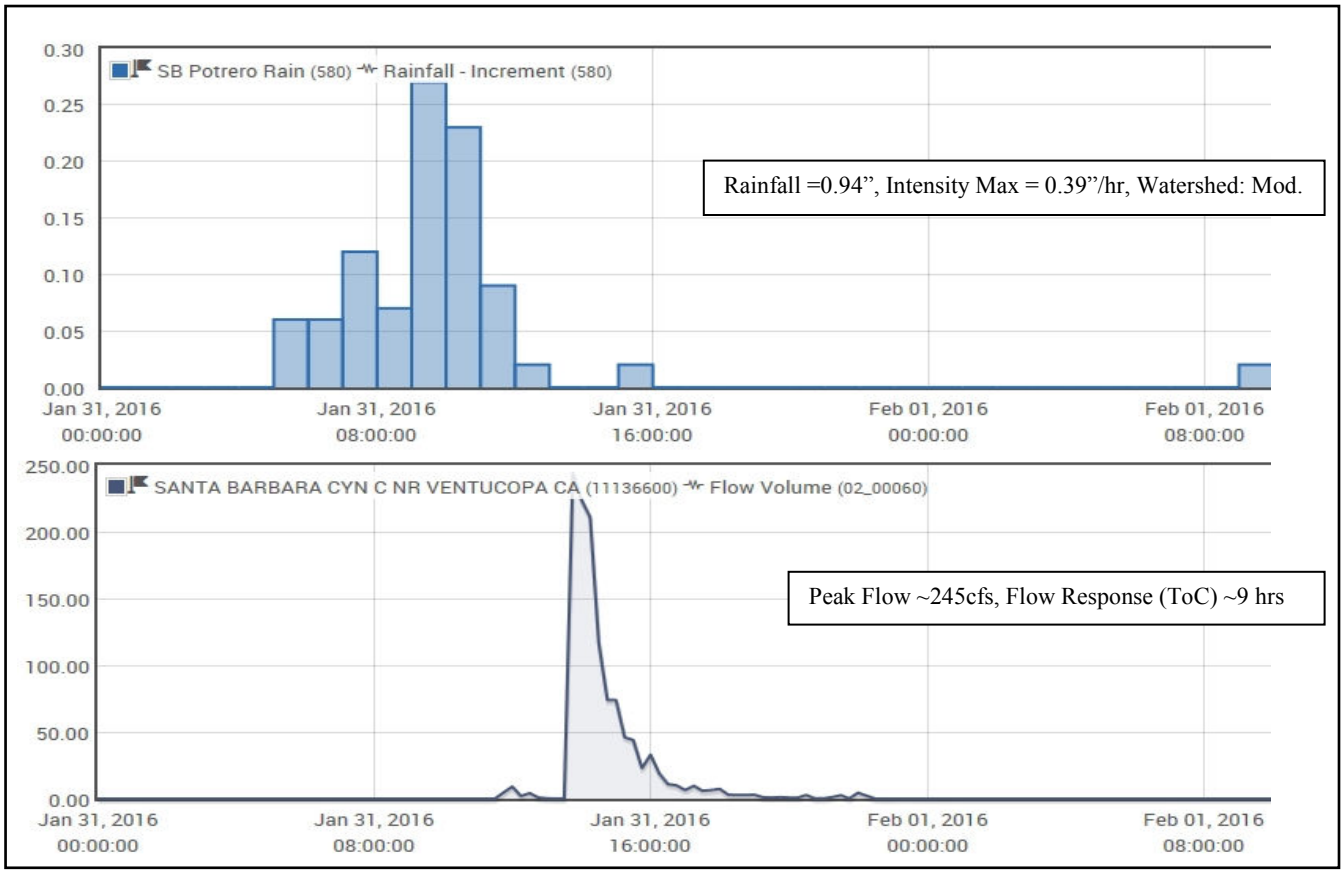
### Rainfall & Stream Discharge Correlation



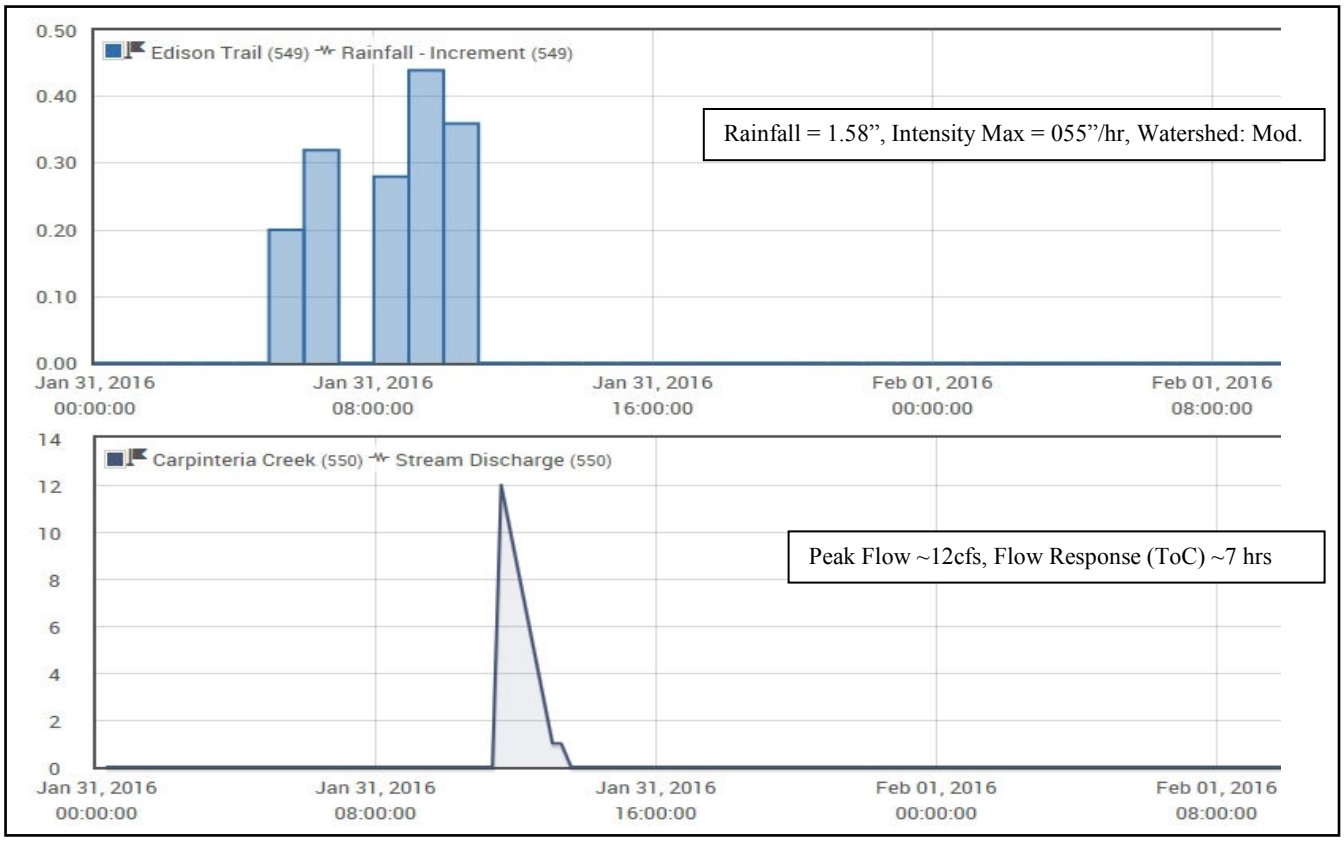

**Mission Creek, Santa Barbara** (January 5-7, 2016)




**Sisquoc River @Garey** (March 11-13, 2016)




**Cuyama River, Santa Barbara Canyon** (Jan 31 –Feb 1, 2016)




**Carpinteria Creek, Carpinteria** (Jan 31 –Feb 1, 2016)

# 8.0 RESERVOIRS

There are four major reservoirs located within the County of Santa Barbara.
**Cachuma** reservoir is owned and operated by the U.S. Bureau of Reclamation (USBR), **Twitchell** reservoir is owned by the U.S. Army Corps of Engineers and operated by the Santa Maria Valley Water Conservation District, **Gibraltar** reservoir is owned and operated by the City of Santa Barbara, and **Jameson** reservoir is owned and operated by the Montecito Water District.
Water is delivered to the South Coast using three tunnels through the Santa Ynez Mountains.

The County FCD operates & maintains automated water level & gate opening instrumentation at these reservoir locations, with information reported in real-time through the Hydrology website.

Figure 34 – Reservoir Location Map

**Reservoir Information**

Reservoir Elevations referenced to NGVD-29.
**Cachuma is full and subject to spilling at elevation 750 ft.
However, the lake is surcharged to 753 ft. for fish release water.
(Cachuma water storage is based on Dec 2013 capacity revision)

| | Spillway Elev. (ft) | Current Elev. (ft) | Max. Storage (ac-ft) | Current Storage (ac-ft) | Current Capacity (%) | Storage Change Mo.(ac-ft) | Storage Change Year*(ac-ft) |
|---|---|---|---|---|---|---|---|
| **Gibraltar Reservoir** | 1,400.00 | 1,371.71 | 5,246 | 619 | 11.8% | -80 | 133 |
| **Cachuma Reservoir** | 753.** | 647.31 | 193,305 | 14,630 | 7.6% | -5,354 | -23,163 |
| **Jameson Reservoir** | 2,224.00 | 2,164.54 | 5,144 | 559 | 10.9% | -28 | -331 |
| **Twitchell Reservoir** | 651.50 | 525.00 | 194,971 | 1 | 0.0% | -77 | -156 |

Table 5 – Reservoir WY2016 Summary (through Aug 31, 2016)

## 8.1 Cachuma Reservoir (Bradbury Dam)

**Background Information**

Bradbury Dam was completed in 1953, and stores discharge from the Santa Ynez River which would otherwise travel to the ocean. Water is diverted from the reservoir through the Tecolote Tunnel to the County south-coast area. From the tunnel outlet the water is carried through the South Coast Conduit, with lateral systems distributing water to Goleta, Montecito, Summerland, Carpinteria, and municipal users in the city of Santa Barbara. In 2004 the reservoir retention level was increased four feet (from 750' to 754', + ~9000 AF), principally for fish release water.

The regions arid nature causes Cachuma to lose an estimated 16,000 ac-ft of water to evaporation annually. Silt washing into Lake Cachuma and backing up behind Bradbury Dam is a process that has depleted Cachuma of an estimated ten percent of its capacity.

| Reservoir Operator | Year Built | Capacity Revision Date | Watershed Inflow Area | Initial Build Capacity AF | Current Max Capacity AF | Capacity Loss Since 1953 |
|---|---|---|---|---|---|---|
| US Bureau of Reclamation | 1953 | Dec. 2013 | 421 sq mi | 204,874 | 184,121 (750')<br>193,305 (753') | -10 %<br>-6 % |

Table 6 – Cachuma Reservoir Characteristics

Figure 35 – Cachuma Reservoir

Figure 36 – Bradbury Dam

**WY 2016 Discussion** (Cachuma)

Cachuma reservoir started the 2016 water year (Sept 1, 2015) with a water storage volume of 37,793 acre feet (AF) @~20% capacity, and ended the water year (Aug 31, 2016) with 14,630 AF (~8% capacity) – a net decrease of ~23,000 AF (-12%).

Cachuma water storage has progressively declined from May 2011 through Oct 2016, and will likely continue to decline until any potential inflow runoff is realized from future storms.
(see Cachuma Historical Water Storage graph, 32 years – Figure 37)

The 5 consecutive-year driest period on record has contributed to the lowest water levels ever recorded at Cachuma (over its 60+ year history). The previous record low water level occurred in February 1991.

A significant development during water-year 2016 was the introduction of a pump barge and pipeline system, enabling water from the reservoir to reach the point at which water can be delivered through the Tecolote Tunnel (to the south coast, including Santa Barbara).

Cachuma was most recently full (and spilled) in March 2011. The lack of rainfall from the five consecutive drier-than-normal years (since 2011) has resulted in minimal inflow into Cachuma.

The most recent reservoir capacity revision survey was conducted in December 2013, the result from which was an approximately 1% decline in capacity (-2300 AF) compared with the previous 2008 survey. The 2013 bathymetry & aerial capacity survey was performed when the reservoir was at ~40% capacity.

Additional sediment infill levels reported from the 2013 capacity survey (vs 2008) were not as high as anticipated, especially when considering the large scale burn-areas (post Zaca, et al) that involved watersheds flowing into the reservoir.
Factors that likely minimized sediment inflow were:
1. The lack of very wet years & associated large storms that could have produced significant (post burn-area) run-off,
2. The favorable spacing of rainfall storm events enabling vegetation re-growth (to curb run-off),
3. The lack of high intensity rainfall, and
4. The ability for Gibraltar reservoir (up-stream) to capture sediment that would otherwise flow into Cachuma.

The more recent August 2016 Ray Fire (see Section 5.0), with the burn-area located within the watershed to the east of Cachuma, has the susceptibility to introduce siltation into the reservoir from storm run-off.

Figure 38 illustrates the 58 year reservoir elevation & storage capacity trend (1959 to 2016), and the "Reservoir Spill History" (21 occurrences).

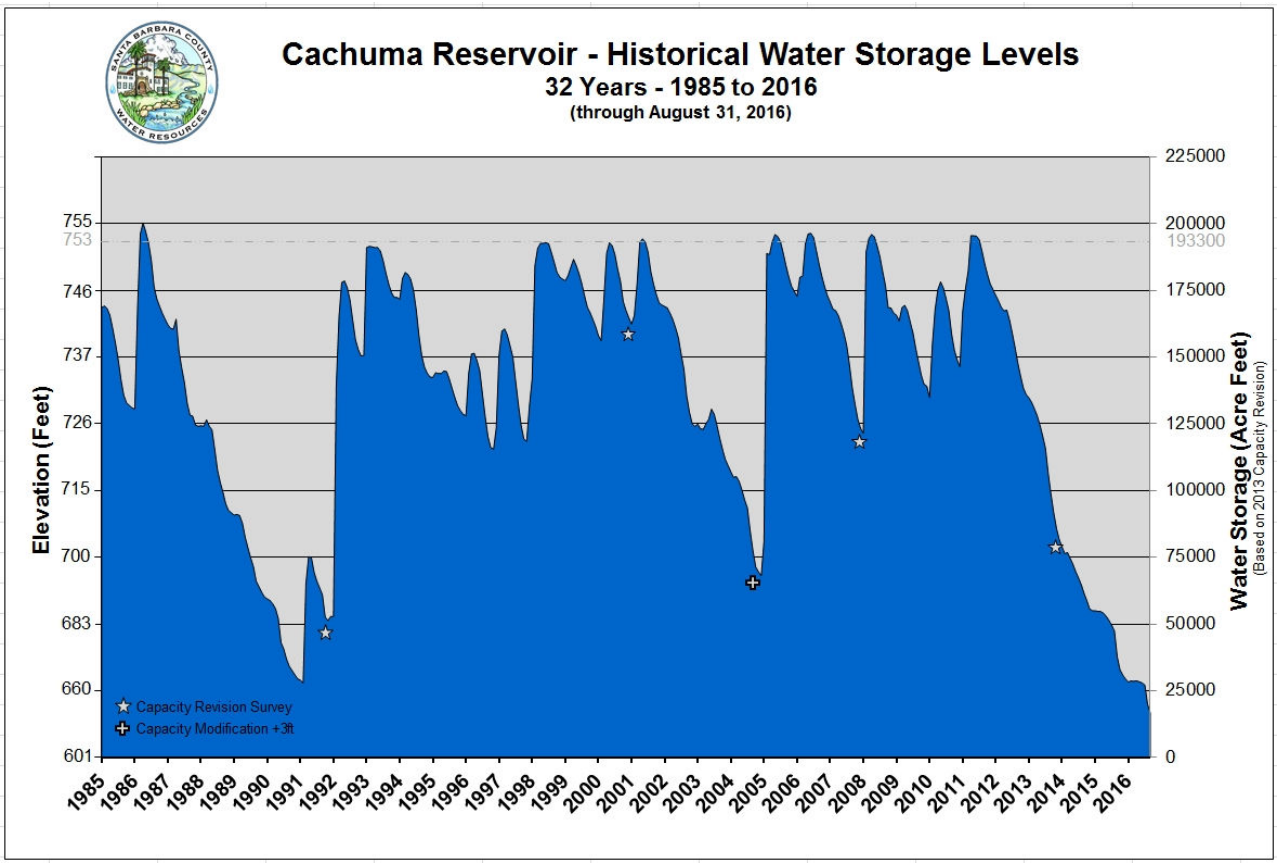



Figure 37 – Cachuma Reservoir, 32-Year Elevation & Water Storage Levels

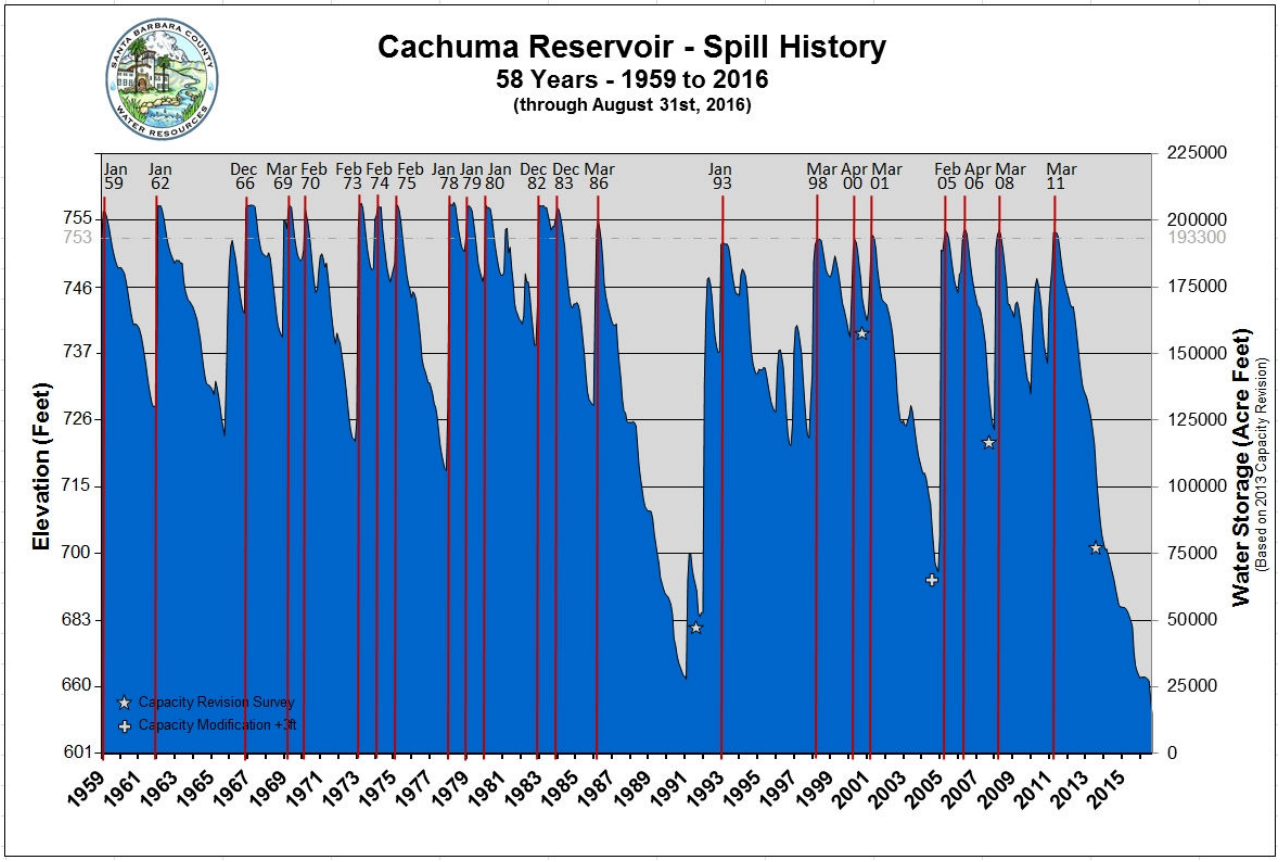



Figure 38 – Cachuma Reservoir, 58-Year Water Storage & Spill History

Figure 39 – Cachuma Reservoir & Pump Barge (May, 2016)

Figure 40 – Bradbury Dam / Cachuma Reservoir (Sept, 2016)

## 8.2 Gibraltar Reservoir

**Background Information**

The City of Santa Barbara completed construction of 3.7 mile Mission Tunnel in 1912 and Gibraltar Dam in 1920, and thus accomplished the first diversion of water from the Santa Ynez River Basin to the South Coast area (including the City of Santa Barbara).

By 1945, sedimentation had reduced storage in Gibraltar Reservoir from 14,500 AF to approximately 7,800 AF. In 1948, the dam was raised 23 feet to restore storage capacity to approximately the original volume. However, sedimentation has continued to decrease the storage capacity of the reservoir by an average of 150 AF per year.

| Reservoir Operator | Year Built | Capacity Revision Date | Watershed Inflow Area | Initial Build Capacity AF | Current Max Capacity AF | Capacity Loss Since 1920 |
|---|---|---|---|---|---|---|
| City of Santa Barbara | 1920 | May 2013 | 202 sq mi | 14,500 | 5,246 | -64 % |

Table 7 – Gibraltar Reservoir Characteristics

Figure 41 – Gibraltar Reservoir

Figure 42 – Gibraltar Dam

**WY 2016 Discussion** (Gibraltar)

Gibraltar reservoir started the 2016 water year (Sept 1, 2015) with a water storage volume of ~486 acre feet (AF) @ 9% capacity, and ended the water year (Aug 31, 2016) with ~619 AF (12% capacity) – a net increase of ~130 AF (+3%).

Gibraltar water storage has progressively declined since May 2012, with the exception of inflow from a single storm (Feb 27 to Mar 2, 2014), and a couple lesser storm related inflows from WY's 2015 and 2016. The lack of rainfall from five consecutive drier-than-normal years (since 2011) has resulted in minimal inflow into Gibraltar.

Gibraltar reservoir was last full (& spilled) in March 2011.

Gibraltar can rapidly fill (and spill) because of the relatively large watershed collection region (~200 sq mi), and comparatively small (and diminishing) reservoir capacity.
The original reservoir maximum water storage capacity was 14500 AF, with the most recent (2013) survey identifying a capacity of 5246 AF (a capacity reduction of approximately 64%).

Figure 43 depicts the 16 year reservoir elevation & storage capacity trend (2001 to 2016), and denotes the reservoir surveys that document the capacity decline.

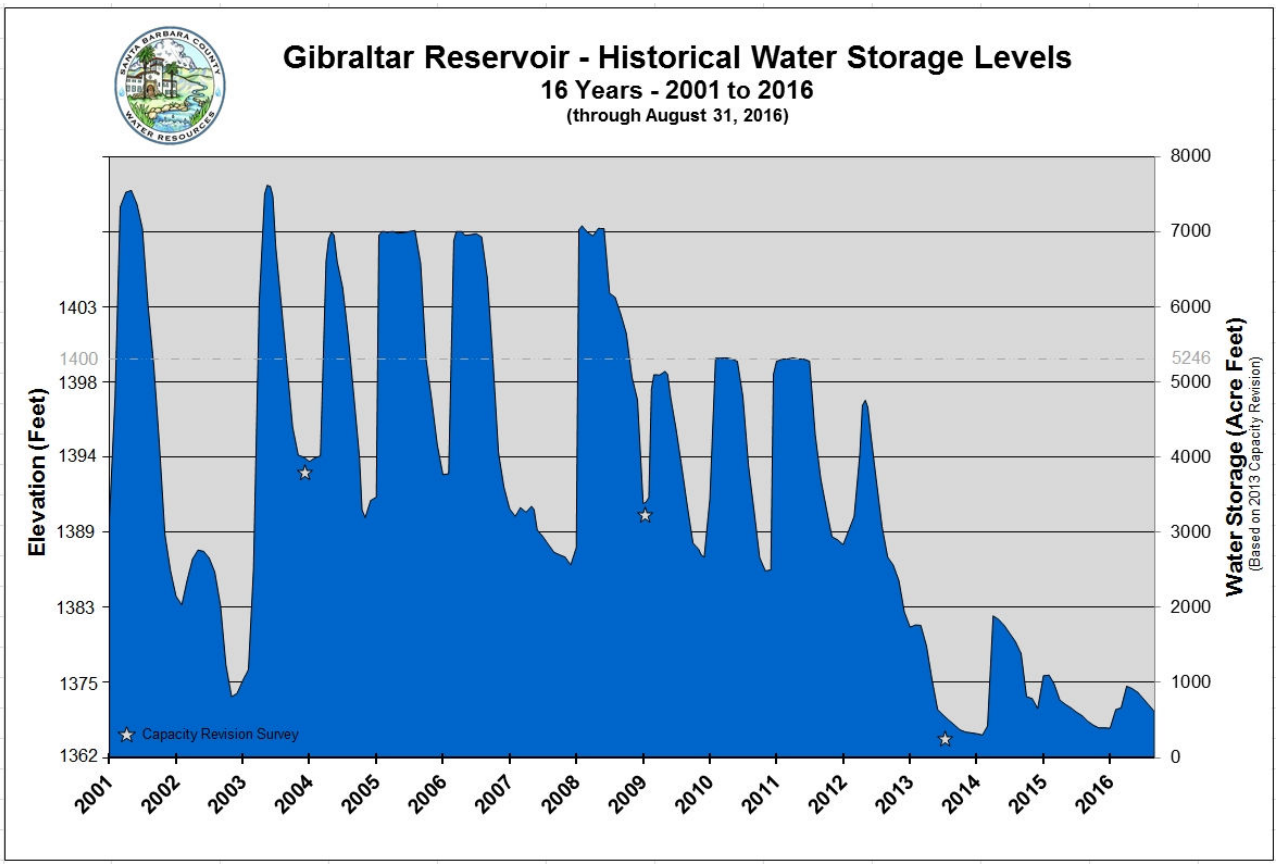



Figure 43 – Gibraltar Historical Water Storage Levels – 16 years (2001 – 2016)

Figure 44 – Gibraltar Dam & Reservoir (Oct. 2016)

Figure 45 – Gibraltar Reservoir (Oct. 2016)

## 8.3 Jameson Reservoir (Juncal Dam)

**Background Information**

The Montecito Water District completed construction of Juncal Dam and Jameson Reservoir in 1930. Water is diverted to the Montecito area through a 2.2 mile Doulton Tunnel, which was constructed (through the Santa Ynez mountains) between 1924 and 1928.

Sediment infill from the surrounding watershed has diminished the reservoir (over ~80 years) to approximately 70% of its original capacity.

| Reservoir Operator | Year Built | Capacity Revision Date | Watershed Inflow Area | Initial Build Capacity AF | Current Max Capacity AF | Capacity Loss Since 1930 |
|---|---|---|---|---|---|---|
| Montecito Water District | 1930 | October 2013 | 14 sq mi | 7,228 | 5,144 | -29 % |

Table 8 – Jameson Reservoir Characteristics

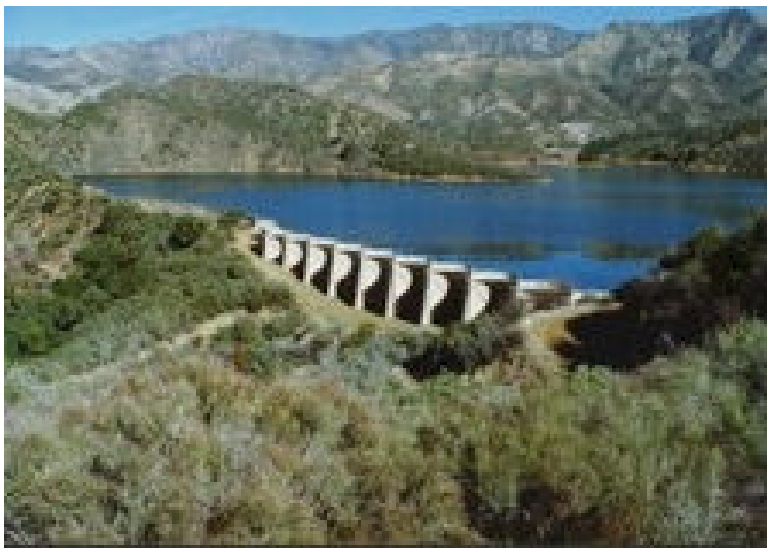


Figure 46 – Jameson Reservoir

Figure 47 – Juncal Dam & Spillway

**WY 2016 Discussion** (Jameson)

Jameson reservoir started the 2016 water year (Sept 1, 2015) with a water storage volume of ~890 acre feet (AF) @ 17% capacity, and ended the water year (Aug 31, 2016) with ~559 AF (11% capacity) – a net decrease of ~330 AF (-6%).

Jameson water storage has progressively declined since May 2012, with the exception of minor inflow from a single storm (Feb 27 to Mar 2, 2014). The lack of rainfall from five consecutive drier-than-normal years (since 2011) has resulted in minimal inflow into Jameson, and its lowest recorded water level since 1991.

Jameson reservoir was last full (& spilled) in March 2011.

A reservoir capacity revision survey was conducted in October 2013, the result from which was an approximately 3% decline in capacity (-175 AF) compared with the previous 1998 survey.

In contrast with Gibraltar, Jameson Reservoir water level increases more gradually because of the relatively small watershed run-off region (~14 sq mi) – a result of its location near the head of the Santa Ynez River. Siltation infill also occurs, but at a comparatively reduced rate.

Figure 48 depicts the 16 year reservoir elevation & storage capacity trend (2001 to 2016)

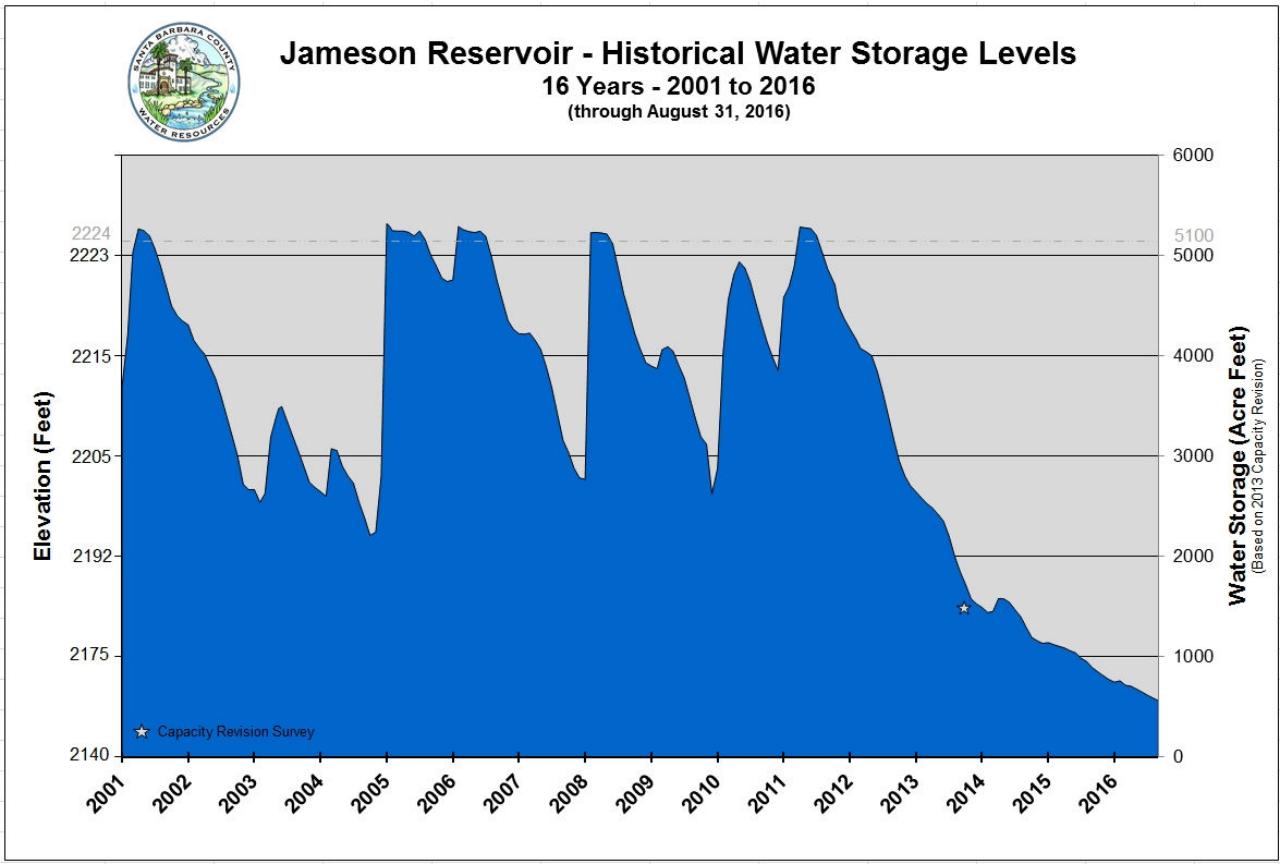



Figure 48 – Jameson Historical Water Storage Levels – 16 years (2001 – 2016)

Figure 49 – Jameson Dam & Reservoir (Sept. 2016)

Figure 50 – Jameson Reservoir (Sept. 2016)

## 8.4 Twitchell Reservoir

**Background Information**

Twitchell Reservoir is important to both the water supply and the flood protection of the Santa Maria Valley, and supplies approximately 20,000 AF of annual recharge to the Santa Maria Groundwater Basin.

Since its completion in 1959, the Twitchell earthen dam structure has been trapping sediments from the 1,140 square mile Cuyama River watershed. As of 2012, the accumulated sediment reached an estimated 47,000 AF (~20% of the original capacity).

| Reservoir Operator | Year Built | Capacity Revision Date | Watershed Inflow Area | Initial Build Capacity AF | Current Max Capacity AF | Capacity Loss since 1959 |
|---|---|---|---|---|---|---|
| Santa Maria Valley Water Cons. District | 1959 | Dec. 2012 | 1140 sq mi | 242,339 | 194,971 | -20 % |

Table 9 – Twitchell Reservoir Characteristics

Figures 51 & 52 – Twitchell Reservoir & Dam

**WY 2016 Discussion** (Twitchell)

Twitchell reservoir started the 2016 water year (Sept 1, 2015) with a water storage volume of ~150 acre feet (AF) @ ~0.1% capacity, and ended the water year (Aug 31, 2016) with ~1 AF (near 0% capacity) – a net decrease of ~150 AF.

Twitchell reservoir water storage has progressively declined since its peak in March 2011 (~93,000 AF). The lack of rainfall from five consecutive drier-than-normal years (since 2011) has resulted in minimal inflow into Twitchell.

A reservoir capacity revision survey was conducted in December 2012, the result from which was an approximately 1.5% decline in capacity (-3000 AF) compared with the previous 2007 survey. The 2012 bathymetry & aerial capacity survey was performed when the reservoir was nearly dry (~2% capacity)

Unlike other major reservoirs within Santa Barbara County, ground water recharge is the principal purpose of Twitchell Reservoir water retention – in this case the Santa Maria Groundwater Basin (a major source of water for the region). It is standard practice to "drain" the reservoir annually as it releases steadily throughout the year for downstream infiltration.

Figure 53 depicts the 17 year reservoir elevation & storage capacity trend (2000 to 2016)

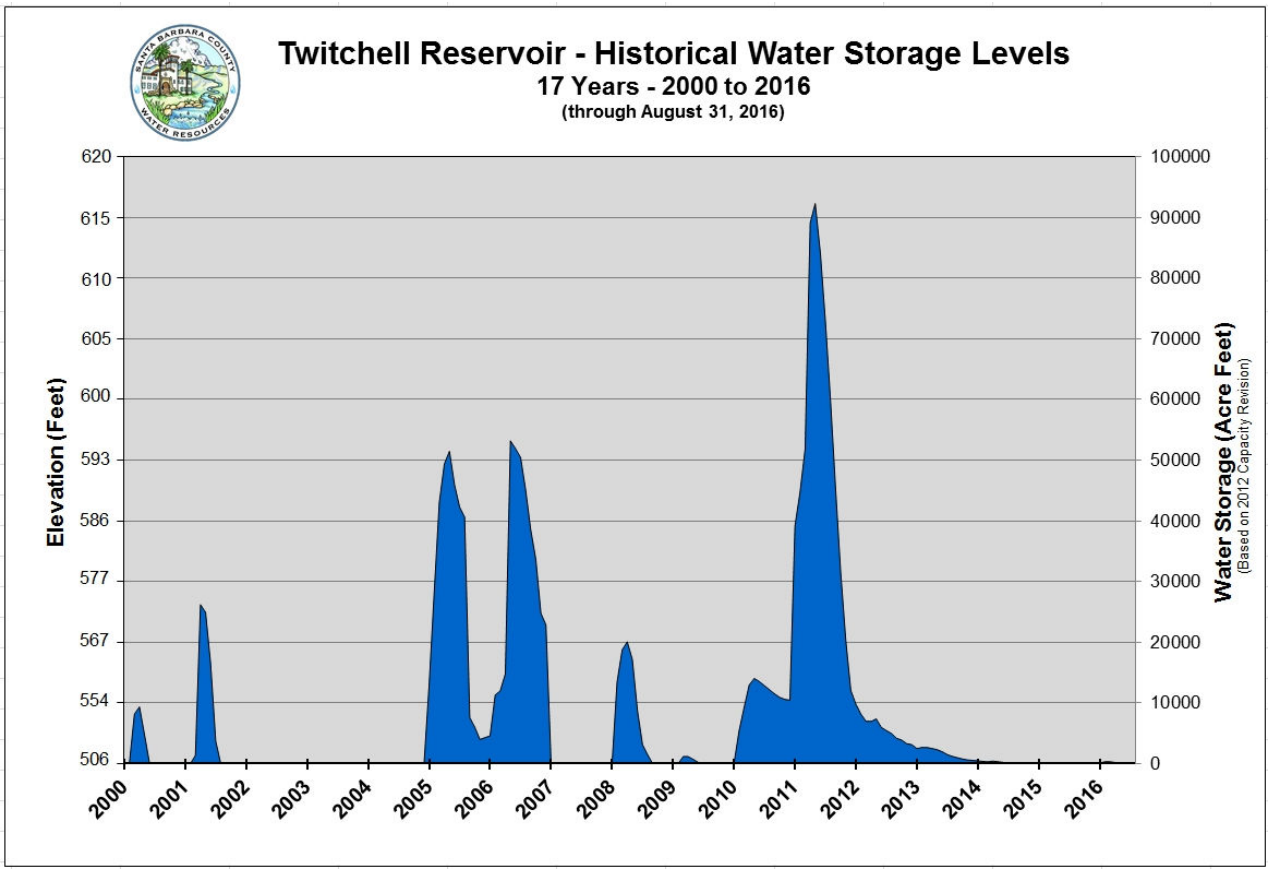



Figure 53 – Twitchell Historical Storage Levels – 17 years (2000 – 2016)

Figure 54 – Twitchell Reservoir & Intake Structure (June 2015)

Figure 55 – Twitchell Reservoir (June 2015)

# 9.0 FLOOD / FLOW MODELING

The Santa Barbara County Flood Control District (SBCFCD) utilizes two different programs to model river-flow and flood potential within the County's major watersheds.

The Santa Ynez River Flood Flow Model (SYRFFM – aka FC River) program models the "Santa Ynez Watershed", while the HEC-HMS program models the Sisquoc, Santa Cruz, and Gibraltar watersheds

## 9.1 Santa Ynez River Flood Flow Model (SYRFFM – FC River)

The Santa Ynez River Flood Flow Model (SYRFFM) model was developed by the SBCFCD, and predicts flood-flows in the Santa Ynez River in Santa Barbara and Ventura Counties. The model encompasses approximately 1,253 square miles of drainage area from the Santa Ynez headwaters above Gibraltar Reservoir to Vandenburg Village, just upstream from the river's outlet to the Pacific Ocean.

The program input is both for forecast and actual precipitation, plus various parameters for estimating losses, runoff, and reservoir operation. The output is hourly flow in cubic-feet- per-second (cfs) at twenty locations along the Santa Ynez River, and hourly operational data for Gibraltar and Cachuma Reservoirs.

The program is a Visual Basic Application (VBA) language adaptation of the QuickBasic program titled FCRPRGH. SYRFFM, uses Microsoft Excel for data input and output.

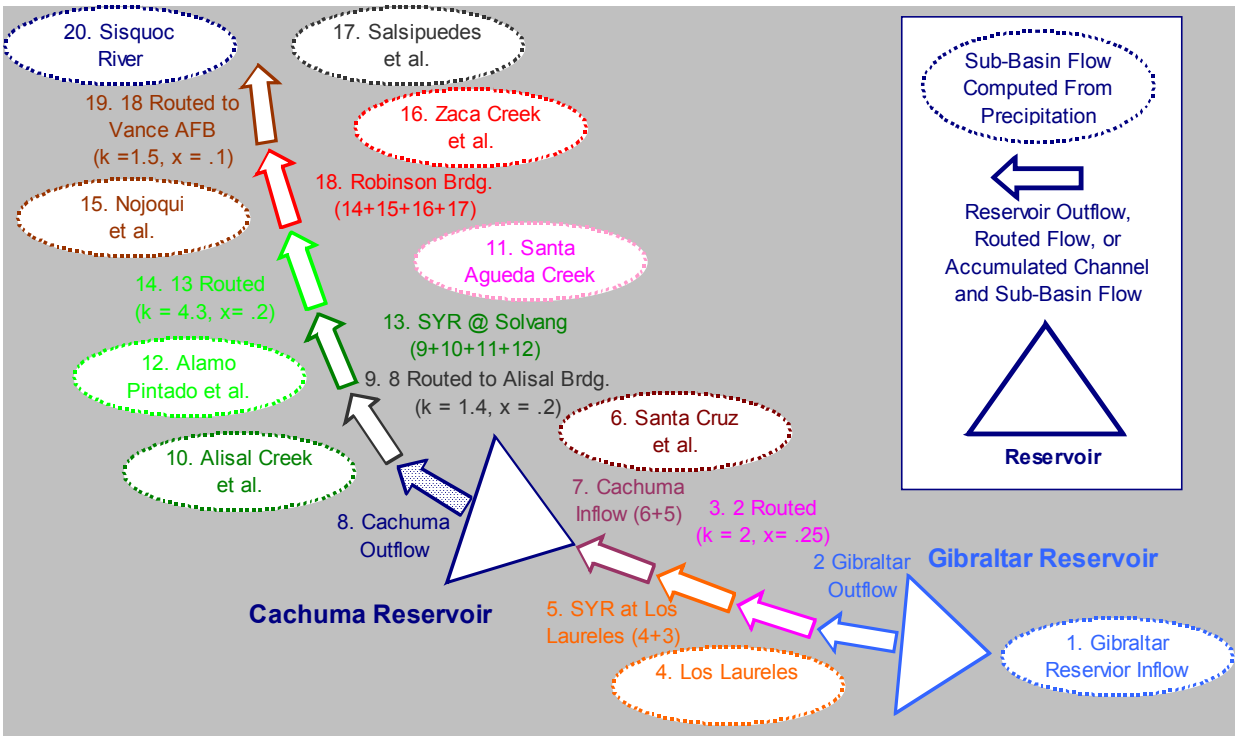



Figure 56 - SYRFF (FC River) Model components.

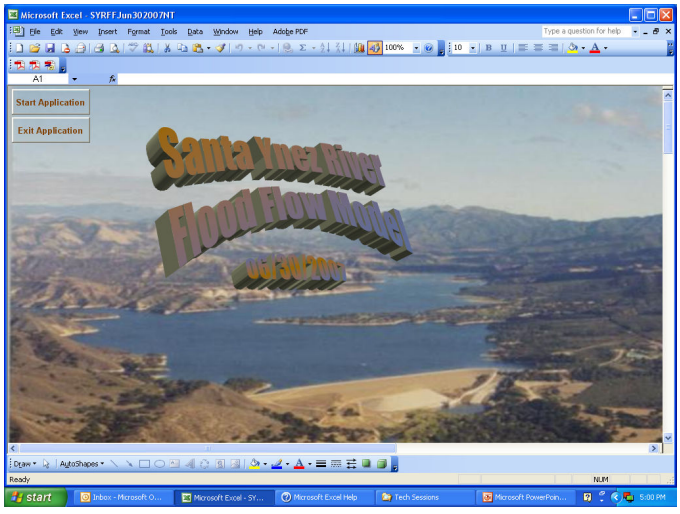



Figure 57 – SYRFF Program Window

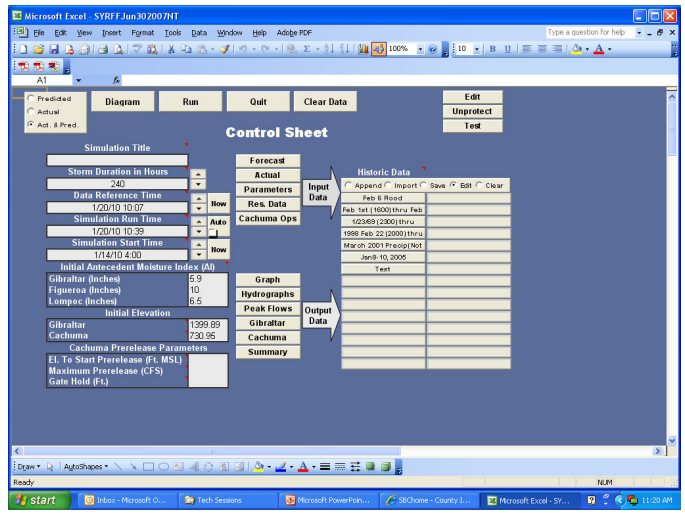
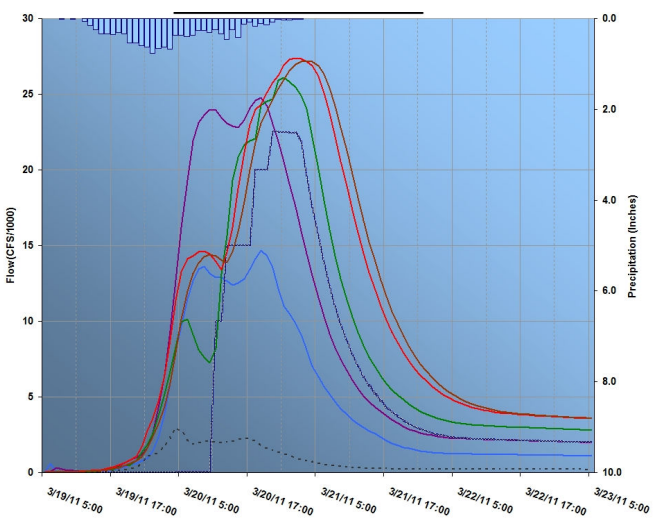



Figure 58 – SYRFF Program Parameters

The SYRFF Hydrology Model was not run during WY 2016 (except for training purposes), as the drier than normal conditions did not result in a need for flood-flow modeling. However, a sample summary of these modeling exercises (from 3/20/2011) is shown below.

Typical model results show the predicted water flow behavior of the Santa Ynez River, water level & inflow predictions for Cachuma dam operation, and downstream dam water release predictions within the river system.

Closely coordinated communications with the USBR (& others) during Cachuma Dam modeling operations typically results in hourly SYRFF Models being generated by County FCD personnel – and disseminated by email to individuals involved with Cachuma Reservoir & SY River operations.




**Peak Flows from Santa Ynez River and Selected Tributaries**

| | | | |
|---|---|---|---|
| **Storm Description:** | **SYRFF-101011-STJ** | | |
| **Data Reference Time:** | **10/11/11 10:40** | **El. To Start Prerelease (Ft. MSL)** | 0.0 |
| **Run Type:** | **Actual and Predicted** | **Maximum Prerelease (CFS)** | 0.0 |
| **Simulation Run Time:** | **3/20/11 10:00** | **Gate Hold (Ft)** | 4.0 |

| Hydro-graph # | Location | Peak (CFS) | Time | Location | Peak (CFS) | Time |
|---|---|---|---|---|---|---|
| #1 | Gibraltar Inflow | 14,598 | 3/20/11 19:00 | Santa Agueda | 3,296 | 3/20/11 6:00 |
| #2 | Gibraltar Outflow | 14,680 | 3/20/11 19:00 | Alamo Pintado @ Gage | 700 | 3/20/11 18:00 |
| #7 | Cachuma Inflow 5+6 | 24,789 | 3/20/11 19:00 | Alamo Pintado @ Hwy 246 | 976 | 3/20/11 18:00 |
| #8 | Cachuma Outflow | 22,504 | 3/20/11 22:00 | Zaca Cr @ Hwy 246 | 936 | 3/20/11 18:00 |
| #13 | SYRv@Solvng +9to12 | 26,084 | 3/20/11 23:00 | Alisal Cr @ River | 1,716 | 3/20/11 5:00 |
| #18 | SYRv@RobnBr +14to17 | 27,374 | 3/21/11 1:00 | Salsipuedes @ Gage | 2,657 | 3/20/11 4:00 |
| #19 | 18 Rtd to So. VAFB | 27,223 | 3/21/11 3:00 | Miguelito Cr @ Gage | 622 | 3/20/11 3:00 |

**Cachuma Reservoir Detail Report**

| | | | |
|---|---|---|---|
| **Storm Description:** | **SYRFF-101011-STJ** | | |
| **Data Reference Time:** | **10/11/11 10:40** | **El. To Start Prerelease (Ft. MSL)** | 0.0 |
| **Run Type:** | **Actual and Predict** | **Maximum Prerelease (CFS)** | 0.0 |
| **Simulation Run Time:** | **3/20/11 10:00** | **Gate Hold (Ft)** | 4.0 |

| | Cachuma Rain (in) | 7. Cachuma Inflow (cfs) | Cachuma Rain on Lake (cfs) | Cachuma Total Inflow (cfs) | 8. Cachuma Outflow (cfs) | Cachuma Storage (ac-ft) | Cachuma Area (ac) | Cachuma Res El (ft) | Top of Gate (ft) | Cachuma Gate Arc Opening (ft) | Cachuma Vol In (taf) | Cachuma Vol Out (taf) | 18. Robinson Brdg. (cfs) | No Prerelease Data: 8. Outflow (No Prerel.) (cfs) | Storage (No Prerel.) (ac-ft) | 18. Robinson Brdg. (No Prerel.) (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/19/11 05 | | | | | | | | | | | | | | | | |
| 3/19/11 06 | 0.00 | 42 | 0 | 42 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.0 | 0.0 | 47 | 0 | 190,409 | 47 |
| 3/19/11 07 | 0.00 | 336 | 0 | 336 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.0 | 0.0 | 54 | 0 | 190,409 | 54 |
| 3/19/11 08 | 0.00 | 223 | 0 | 223 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.0 | 0.0 | 60 | 0 | 190,409 | 60 |
| 3/19/11 09 | 0.00 | 159 | 0 | 159 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.1 | 0.0 | 64 | 0 | 190,409 | 64 |
| 3/19/11 10 | 0.01 | 124 | 31 | 155 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.1 | 0.0 | 67 | 0 | 190,409 | 67 |
| 3/19/11 11 | 0.02 | 109 | 61 | 171 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.1 | 0.0 | 73 | 0 | 190,409 | 73 |
| 3/19/11 12 | 0.05 | 104 | 153 | 258 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.1 | 0.0 | 89 | 0 | 190,409 | 89 |
| 3/19/11 13 | 0.12 | 103 | 368 | 471 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.1 | 0.0 | 116 | 0 | 190,409 | 116 |
| 3/19/11 14 | 0.16 | 107 | 491 | 598 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.2 | 0.0 | 157 | 0 | 190,409 | 157 |
| 3/19/11 15 | 0.34 | 128 | 1,043 | 1,171 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.3 | 0.0 | 206 | 0 | 190,409 | 206 |
| 3/19/11 16 | 0.37 | 189 | 1,135 | 1,324 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.4 | 0.0 | 281 | 0 | 190,409 | 281 |
| 3/19/11 17 | 0.38 | 299 | 1,166 | 1,465 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.5 | 0.0 | 369 | 0 | 190,409 | 369 |
| 3/19/11 18 | 0.42 | 450 | 1,288 | 1,739 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.7 | 0.0 | 498 | 0 | 190,409 | 498 |
| 3/19/11 19 | 0.42 | 627 | 1,288 | 1,915 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 0.8 | 0.0 | 655 | 0 | 190,409 | 655 |
| 3/19/11 20 | 0.60 | 812 | 1,840 | 2,652 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 1.0 | 0.0 | 818 | 0 | 190,409 | 818 |
| 3/19/11 21 | 0.47 | 988 | 1,442 | 2,429 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 1.2 | 0.0 | 1,077 | 0 | 190,409 | 1,077 |
| 3/19/11 22 | 0.69 | 1,186 | 2,116 | 3,303 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 1.5 | 0.0 | 1,687 | 0 | 190,409 | 1,687 |
| 3/19/11 23 | 0.82 | 1,618 | 2,515 | 4,134 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 1.8 | 0.0 | 2,773 | 0 | 190,409 | 2,773 |
| 3/20/11 00 | 0.84 | 2,608 | 2,577 | 5,184 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 2.2 | 0.0 | 3,572 | 0 | 190,409 | 3,572 |
| 3/20/11 01 | 0.89 | 4,243 | 2,730 | 6,973 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 2.7 | 0.0 | 4,659 | 0 | 190,409 | 4,659 |
| 3/20/11 02 | 1.12 | 6,486 | 3,435 | 9,921 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 3.4 | 0.0 | 6,413 | 0 | 190,409 | 6,413 |
| 3/20/11 03 | 1.06 | 9,341 | 3,251 | 12,593 | 0 | 190,409 | 3,042 | 750.0 | 754.0 | 0.0 | 4.3 | 0.0 | 8,749 | 0 | 190,409 | 8,749 |
| 3/20/11 04 | 0.54 | 12,712 | 1,656 | 14,368 | 23 | 193,132 | 3,071 | 750.9 | 754.0 | 0.0 | 5.4 | 0.0 | 11,362 | 23 | 193,132 | 11,362 |
| 3/20/11 05 | 0.25 | 16,215 | 763 | 16,978 | 23 | 193,315 | 3,073 | 751.0 | 754.0 | 0.0 | 6.7 | 0.0 | 13,240 | 23 | 193,315 | 13,240 |
| 3/20/11 06 | 0.24 | 19,330 | 736 | 20,066 | 23 | 190,623 | 3,044 | 750.1 | 754.0 | 0.0 | 8.2 | 0.0 | 14,113 | 23 | 190,623 | 14,113 |
| 3/20/11 07 | 0.23 | 21,935 | 716 | 22,651 | 23 | 194,148 | 3,081 | 751.2 | 754.0 | 0.0 | 9.9 | 0.0 | 14,297 | 23 | 194,148 | 14,297 |
| 3/20/11 08 | 0.22 | 23,136 | 670 | 23,806 | 23 | 194,797 | 3,088 | 751.4 | 754.0 | 0.0 | 11.9 | 0.0 | 14,581 | 23 | 194,797 | 14,581 |
| 3/20/11 09 | 0.18 | 23,627 | 562 | 24,189 | 23 | 195,693 | 3,097 | 751.7 | 754.0 | 0.0 | 13.8 | 0.0 | 14,652 | 23 | 195,693 | 14,652 |
| 3/20/11 10 | 0.17 | 24,003 | 522 | 24,525 | 23 | 196,870 | 3,110 | 752.1 | 754.0 | 0.0 | 15.9 | 0.0 | 14,431 | 23 | 196,870 | 14,431 |
| 3/20/11 11 | 0.21 | 23,929 | 648 | 24,578 | 10,000 | 198,490 | 3,127 | 752.6 | 755.7 | 1.7 | 17.9 | 0.8 | 13,926 | 10,000 | 198,490 | 13,926 |
| 3/20/11 12 | 0.21 | 23,439 | 652 | 24,091 | 10,000 | 199,675 | 3,138 | 753.0 | 755.7 | 1.7 | 19.9 | 1.7 | 13,406 | 10,000 | 199,675 | 13,406 |

Figures 59 to 61 – SYRFF Program Output Tables & Graph

# 10.0 FLOODING & DAMAGE

County water-year 2016, with ~70% of County-wide normal rainfall, brought few storms that had the potential to cause severe flooding & damage.

However, a brief localized storm west of Cuyama on October 5-6, 2015 resulted in flooding & road closure on Highway 166. (see Figures 62 & 63)

Figure 62 – Highway 166 flooding - west of Cuyama (October 16, 2015)

Figure 63 – Traffic behind Highway 166 flooding - west of Cuyama (October 16, 2015)
(Photos courtesy of Santa Barbara County Fire Dept.)

## 11.0 ADDITIONAL INFORMATION RESOURCES

Additional information on the topics discussed in this report can be found at the following internet sites.

A) Santa Barbara County Public Works - Hydrology: http://www.countyofsb.org/pwd/pwwater.aspx?id=3582

B) Santa Barbara County Public Works: http://www.countyofsb.org/pwd/

C) United States Geological Survey: http://waterdata.usgs.gov/nwis/

D) National Weather Service: http://www.wrh.noaa.gov/lox/

## 12.0 REFERENCES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# APPENDICES

A. **Hydrologic Station & Sensor Listing**

B. **Hydrologic Station Installations**

C. **Monthly & Yearly Rainfall** (with Recurrence Intervals)

# Appendix A:

# HYDROLOGIC STATION & SENSOR LISTING

| | HYDROLOGY STATION | Station ID | Alert ID | Function | Latitude | Longitude | Elevation | Easting | Northing |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | (DMS) | (DMS) | (feet) | (SPC-Z5) | (SPC-Z5) |
| 1 | Al Mar Ranch | 349 | | Rain | 34-50-54 | 120-21-28 | 1048 | 5854328 | 2139407 |
| 2 | Alisal Reservoir | 391 | A-555 | Rain | 34-32-55 | 120-07-49 | 600 | 5920256 | 2028830 |
| 3 | Alisal Reservoir | 554 | A-554 | Resevoir level | 34-32-55 | 120-07-49 | 600 | 5920256 | 2028830 |
| 4 | Alisos Canyon | 477 | A-527 | Rain | 34-44-14 | 120-13-34 | 800 | 5892926 | 2098079 |
| 5 | Apache Canyon | 523 | A-523 | Rain | 34-46-27 | 119-19-55 | 4410 | 6161698 | 2106769 |
| 6 | Bald Mountain | 515 | A-515 | Rain | 35-09-24 | 120-17-44 | 1725 | 5875554 | 2251165 |
| 7 | Bates Ridge | 276 | A-76 | Rain | 34-55-11 | 119-55-02 | 5120 | 5986973 | 2162573 |
| 8 | Betteravia | 387 | | Rain | 34-54-57 | 120-31-01 | 168 | 5807202 | 2165124 |
| 9 | Botanic Gardens | 321 | | Rain | 34-27-14 | 119-42-25 | 800 | 6047119 | 1991930 |
| 10 | Branch Mountain | 519 | A-519 | Rain | 35-11-06 | 120-05-00 | 3770 | 5939189 | 2260093 |
| 11 | Buellton Fire Station | 233 | A-508 | Rain | 34-36-48 | 120-11-48 | 360 | 5900785 | 2052808 |
| 12 | Burton Mesa FS (Lompoc) | 205 | A-2592 | Rain | 34-41-51 | 120-27-00 | 340 | 5825328 | 2085192 |
| 13 | Cachuma Res.- Gates | 591 | A-591 | Gates 1-4 | 34-34-57 | 119-58-47 | 800 | 5965824 | 2040233 |
| 14 | Cachuma Res.- Level | 589 | A-589 | Reservoir Level | 34-34-57 | 119-58-47 | 800 | 5965824 | 2040233 |
| 15 | Cachuma Res.- Rain | 332 | A-595 | Rain | 34-34-52 | 119-58-52 | 800 | 5965396 | 2039736 |
| 16 | Carpinteria Creek | 550 | A-550 | Stream Flow | 34-24-05 | 119-29-14 | 130 | 6113061 | 1971471 |
| 17 | Carpinteria Fire Station | 208 | A-553 | Rain | 34-23-53 | 119-31-05 | 32 | 6103747 | 1970700 |
| 18 | Carpinteria Slough | 4000 | | Stream Flow | 34-23-50 | 119-31-51 | 25 | 6099888 | 1970455 |
| 19 | Carpinteria USFS | 383 | | Rain | 34-24-07 | 119-29-29 | 120 | 6111812 | 1971995 |
| 20 | Casmalia | 473 | A-2560 | Rain | 34-49-12 | 120-31-59 | 710 | 5801495 | 2130378 |
| 21 | Casmalia | 2559 | A-2559 | Wind | 34-49-12 | 120-31-59 | 710 | 5801495 | 2130378 |
| 22 | Casmalia | 2561 | A-2561 | Relative Humidity | 34-49-12 | 120-31-59 | 710 | 5801495 | 2130378 |
| 23 | Casmalia | 2562 | A-2562 | Temperature | 34-49-12 | 120-31-59 | 710 | 5801495 | 2130378 |
| 24 | Cater - San Roque | 229 | A-505 | Rain | 34-27-13 | 119-43-47 | 515 | 6040252 | 1991946 |
| 25 | Celite Plant | 259 | A-586 | Rain | 34-35-20 | 120-27-14 | 740 | 5823195 | 2045705 |
| 26 | Cold Springs Basin | 210 | | Rain | 34-27-04 | 119-37-12 | 519 | 6063262 | 1990649 |
| 27 | Cottonwood Canyon | 220 | A-2569 | Rain | 34-58-29 | 119-53-49 | 2390 | 5993428 | 2182472 |
| 28 | Cuyama Caltrans | 402 | | Rain | 34-58-37 | 119-45-23 | 1905 | 6035542 | 2182515 |
| 29 | Cuyama Fire Station | 436 | A-521 | Rain | 34-56-44 | 119-40-57 | 2160 | 6057482 | 2170714 |
| 30 | Cuyama Ranch | 221 | | Rain | 34-58-57 | 119-40-05 | 2170 | 6062033 | 2184086 |
| 31 | Cuyama River@Buckhorn | 524 | A-524 | Stream Flow | 35-01-19 | 120-13-41 | 750 | 5894639 | 2201689 |
| 32 | Don Victor | 275 | A-75 | Rain | 34-38-15 | 119-27-44 | 4600 | 6121856 | 2057581 |
| 33 | Dos Pueblos Ranch | 226 | A-558 | Rain | 34-26-48 | 119-57-06 | 160 | 5973307 | 1990645 |
| 34 | Doulton Tunnel | 231 | | Rain | 34-27-25 | 119-33-50 | 1775 | 6090256 | 1992340 |
| 35 | Edison Trail | 252 | A-549 | Rain | 34-26-34 | 119-30-28 | 1650 | 6107091 | 1986927 |
| 36 | El Capitan State Park | 304 | A-2568 | Rain | 34-27-43 | 120-01-34 | 120 | 5950980 | 1996648 |
| 37 | El Deseo Ranch | 255 | A-557 | Rain | 34-29-30 | 119-41-45 | 3300 | 6050700 | 2005620 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 38 | Figueroa Mountain | 421 | A-73 | Rain | 34-44-04 | 120-00-20 | 3200 | 5959153 | 2095674 |
| 39 | Figueroa Mountain Repeater | 5001 | A-5001 | Repeater | 34-44-40 | 119-59-09 | 4530 | 5965149 | 2099195 |
| 40 | Gaviota Coast | 262 | A-2581 | Rain | 34-29-20 | 120-07-52 | 425 | 5921551 | 2003019 |
| 41 | Gaviota Coast | 2580 | A-2580 | Wind | 34-28-40 | 120-07-27 | 490 | 5921551 | 2003019 |
| 42 | Gaviota Coast | 2582 | A-2582 | Relative Humidity | 34-28-40 | 120-07-27 | 490 | 5921551 | 2003019 |
| 43 | Gaviota Coast | 2583 | A-2583 | Temperature | 34-28-40 | 120-07-27 | 490 | 5921551 | 2003019 |
| 44 | Gaviota Coast | 2585 | A-2585 | Barometric Pressure | 34-28-40 | 120-07-27 | 490 | 5921551 | 2003019 |
| 45 | Gaviota State Park | 301 | | Rain | 34-28-21 | 120-13-46 | 40 | 5889788 | 2001785 |
| 46 | Getty Basin - Inflow | 501 | A-501 | Basin Level | 34-55-38 | 120-27-52 | 190 | 5823038 | 2168877 |
| 47 | Getty Basin - Rain, Encoder | 503 | A-503 | Rain | 34-55-54 | 120-27-49 | 194 | 5823327 | 2170488 |
| 48 | Getty Basin - Rain, Encoder | 502 | A-502 | Basin Level | 34-55-54 | 120-27-49 | 194 | 5823327 | 2170488 |
| 49 | Gibraltar Dam - Gates | 561 | A-561 | Gates 1-4 | 34-31-35 | 119-41-09 | 1500 | 6053925 | 2018203 |
| 50 | Gibraltar Dam - Level | 559 | A-559 | Reservoir Level | 34-31-35 | 119-41-09 | 1500 | 6053925 | 2018203 |
| 51 | Gibraltar Dam - Rain | 230 | A-568 | Rain | 34-31-24 | 119-40-55 | 1500 | 6055078 | 2017072 |
| 52 | Glen Annie - Ellwood | 309 | A-2538 | Rain | 34-28-11 | 119-52-40 | 425 | 5995736 | 1998609 |
| 53 | Goleta (County Road Yard) | 211 | | Rain | 34-27-02 | 119-46-25 | 270 | 6027004 | 1991065 |
| 54 | Goleta Fire Sta (Los Carneros) | 440 | A-70 | Rain | 34-26-35 | 119-51-13 | 75 | 6002840 | 1988771 |
| 55 | Goleta Slough | 4001 | A-2493 | Stream Flow | 34-25-02 | 119-49-54 | 18 | 6009283 | 1979250 |
| 56 | Goleta Water District | 334 | A-2500 | Rain | 34-26-13 | 119-47-08 | 45 | 6023315 | 1986176 |
| 57 | Guadalupe City | 352 | A-2551 | Rain | 34-57-45 | 120-34-17 | 85 | 5791320 | 2182515 |
| 58 | Happy Canyon | 290 | A-2595 | Rain | 34-40-02 | 119-55-57 | 1690 | 5980627 | 2070784 |
| 59 | Harris Grade | 470 | 2570 | Rain | 34-46-13 | 120-25-49 | 315 | 5831895 | 2111526 |
| 60 | Hollister #70 | 353 | A-525 | Rain | 34-28-04 | 120-20-24 | 150 | 5856448 | 2000829 |
| 61 | Jalama Beach | 317 | | Rain | 34-30-42 | 120-30-01 | 50 | 5808556 | 2017975 |
| 62 | Jameson Dam - Level | 2579 | A-2579 | Reservoir Level | 34-29-27 | 119-30-32 | 2060 | 6107019 | 2004418 |
| 63 | Jameson Dam - Rain | 232 | A-2576 | Rain | 34-29-27 | 119-30-32 | 2060 | 6107019 | 2004418 |
| 64 | KTYD Radio Towers | 227 | A-547 | Rain | 34-28-16 | 119-40-37 | 2375 | 6056266 | 1998044 |
| 65 | La Cumbre Peak | 2503 | A-2503 | Rain | 34-29-59 | 119-43-10 | 3900 | 6043637 | 2008672 |
| 66 | La Cumbre Peak | 2502 | A-2502 | Wind | 34-29-59 | 119-43-10 | 3900 | 6043637 | 2008672 |
| 67 | La Cumbre Peak | 2504 | A-2504 | Relative Humidity | 34-29-59 | 119-43-10 | 3900 | 6043637 | 2008672 |
| 68 | La Cumbre Peak | 2504 | A-2504 | Temperature | 34-29-59 | 119-43-10 | 3900 | 6043637 | 2008672 |
| 69 | La Cumbre Repeater | 5002 | A-5002 | Repeater | 34-29-59 | 119-43-10 | 3900 | 6043637 | 2008672 |
| 70 | Las Cruces | 197 | A-520 | Rain | 34-30-27 | 120-13-48 | 390 | 5889915 | 2014527 |
| 71 | Lompoc City Hall | 439 | A-576 | Rain | 34-38-16 | 120-27-07 | 100 | 5824214 | 2063478 |
| 72 | Los Alamos Fire Station | 204 | A-509 | Rain | 34-44-43 | 120-16-47 | 580 | 5876890 | 2101371 |
| 73 | Los Olivos - Foxen Cyn | 196 | A-507 | Rain | 34-41-39 | 120-07-54 | 1040 | 5920961 | 2081798 |
| 74 | Manzana School House | 237 | | Rain | 34-49-29 | 119-59-46 | 1200 | 5962642 | 2128466 |
| 75 | Manzanita Mountain - Rain | 249 | A-2515 | Rain | 34-53-20 | 120-04-53 | 2790 | 5937538 | 2152333 |
| 76 | Manzanita Mountain - Wthr | 2514 | A-2514 | Wind | 34-53-38 | 120-04-50 | 3193 | 5937825 | 2154147 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | Manzanita Mountain - Wthr | 2516 | A-2516 | Relative Humidity | 34-53-38 | 120-04-50 | 3193 | 5937825 | 2154147 |
| 78 | Manzanita Mountain - Wthr | 2517 | A-2517 | Temperature | 34-53-38 | 120-04-50 | 3193 | 5937825 | 2154147 |
| 79 | Manzanita Mountain - Wthr | 2519 | A-2519 | Barometric Pressure | 34-53-38 | 120-04-50 | 3193 | 5937825 | 2154147 |
| 80 | Maria Ygnacio Creek | 2528 | A-2528 | Stream Flow | 34-26-41 | 119-48-10 | 60 | 6018174 | 1989099 |
| 81 | Midland School (Figueroa) | 419 | | Rain | 34-43-58 | 120-05-19 | 1180 | 5934107 | 2095476 |
| 82 | Miguelito Canyon | 251 | | Rain | 34-35-10 | 120-29-42 | 925 | 5810800 | 2044999 |
| 83 | Mission Creek | 538 | A-538 | Stream Flow | 34-25-38 | 119-43-28 | 137 | 6041690 | 1982321 |
| 84 | Montecito | 325 | A-2547 | Rain | 34-25-46 | 119-38-26 | 160 | 6066997 | 1982706 |
| 85 | Montecito Creek | 100 | A-2555 | Stream Flow | 34-25-43 | 119-38-30 | 150 | 6066645 | 1982404 |
| 86 | Nojoqui Falls | 236 | | Rain | 34-32-02 | 120-10-40 | 720 | 5905840 | 2023780 |
| 87 | Old Man Mountain | 613 | A-613 | Rain | 34-30-17 | 119-26-23 | 4300 | 6127931 | 2009167 |
| 88 | Orcutt (County FC) | 198 | A-510 | Rain | 34-52-56 | 120-26-55 | 280 | 5827383 | 2152389 |
| 89 | Pine Canyon | 326 | | Rain | 35-01-45 | 120-11-39 | 840 | 5904840 | 2204094 |
| 90 | Plowshare Repeater | 5003 | A-5003 | Repeater | 35-02-59 | 120-02-20 | 3920 | 5951468 | 2210595 |
| 91 | Rancho San Julian | 389 | A-72 | Rain | 34-31-54 | 120-20-16 | 640 | 5857647 | 2024053 |
| 92 | Rancho Sisquoc | 415 | | Rain | 34-50-24 | 120-12-38 | 550 | 5898446 | 2135401 |
| 93 | Refugio Pass | 2540 | A-2540 | Rain | 34-31-48 | 120-05-32 | 2610 | 5931572 | 2021817 |
| 94 | Refugio Pass | 2539 | A-2539 | Wind | 34-31-48 | 120-05-32 | 2610 | 5931572 | 2021817 |
| 95 | Salsipuedes Gauging Station | 398 | | Rain | 34-35-00 | 120-24-18 | 270 | 5837856 | 2043328 |
| 96 | San Marcos Pass | 212 | A-78 | Rain | 34-30-43 | 119-49-23 | 2235 | 6012338 | 2013672 |
| 97 | Santa Rosa Park | 300 | A-522 | Rain | 34-36-25 | 120-18-21 | 380 | 5867905 | 2051223 |
| 98 | Santa Barbara (Cnty Bldg) | 234 | A-545 | Rain | 34-25-31 | 119-42-12 | 100 | 6048031 | 1981501 |
| 99 | Santa Barbara City College | 474 | A-2481 | Rain | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 100 | Santa Barbara City College | 2482 | A-2482 | Wind | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 101 | Santa Barbara City College | 2483 | A-2483 | Temperature | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 102 | Santa Barbara City College | 2484 | A-2484 | Relative Humidity | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 103 | Santa Barbara City College | 2485 | A-2485 | Barometric Pressure | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 104 | Santa Barbara City College | 2486 | A-2486 | Solar Radiation | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 105 | Santa Barbara City College | 2487 | A-2487 | Battery | 34-24-19 | 119-41-45 | 65 | 6050182 | 1974189 |
| 106 | Santa Maria (County Bldg) | 504 | A-504 | Rain | 34-55-16 | 120-25-42 | 250 | 5833805 | 2166390 |
| 107 | Santa Maria City (PW) | 380 | A-2550 | Rain | 34-57-07 | 120-26-44 | 203 | 5828917 | 2177734 |
| 108 | Santa Ynez Fire Station | 218 | A-511 | Rain | 34-36-26 | 120-04-09 | 600 | 5939092 | 2049771 |
| 109 | SB Caltrans | 335 | A-2548 | Rain | 34-26-19 | 119-45-20 | 180 | 6032370 | 1986623 |
| 110 | SB Canyon | 347 | | Rain | 34-49-15 | 119-33-22 | 2975 | 6094651 | 2124718 |
| 111 | SB Potrero - Rain | 238 | A-580 | Rain | 34-46-29 | 119-38-49 | 5025 | 6067117 | 2108373 |
| 112 | SB Potrero - Wthr | 579 | A-579 | Wind | 34-46-21 | 119-38-06 | 5300 | 6070690 | 2107505 |
| 113 | SB Potrero - Wthr | 581 | A-581 | Relative Humidity | 34-46-21 | 119-38-06 | 5300 | 6070690 | 2107505 |
| 114 | SB Potrero - Wthr | 582 | A-582 | Temperature | 34-46-21 | 119-38-06 | 5300 | 6070690 | 2107505 |
| 115 | SB Potrero - Wthr | 584 | A-584 | Barometric Pressure | 34-46-21 | 119-38-06 | 5300 | 6070690 | 2107505 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 116 | Sea Cliff | 694 | A-694 | Rain | 34-22-21 | 119-26-01 | 20 | 6129085 | 1961027 |
| 117 | Shell Peak | 270 | A-517 | Rain | 35-04-37 | 120-11-31 | 2080 | 5905884 | 2221464 |
| 118 | Sisquoc Fire Station | 256 | A-512 | Rain | 34-52-00 | 120-17-38 | 420 | 5873643 | 2145634 |
| 119 | Sisquoc Rvr @ Garey Flw | 530 | A-530 | Stream Flow | 34-53-39 | 120-18-20 | 354 | 5870374 | 2155720 |
| 120 | Sisquoc Rvr @ Tepusquet | 2512 | A-2512 | Stream Flow | 34-51-41 | 120-15-25 | 460 | 5884679 | 2143463 |
| 121 | Solvang Water District | 393 | A-2549 | Rain | 34-35-36 | 120-08-28 | 485 | 5917341 | 2045171 |
| 122 | Stanwood Fire Station | 228 | A-2537 | Rain | 34-26-38 | 119-41-26 | 670 | 6051998 | 1988208 |
| 123 | Sudden Peak | 2545 | A-2545 | Rain | 34-34-01 | 120-29-55 | 2120 | 5809540 | 2038053 |
| 124 | Sudden Peak | 2544 | A-2544 | Wind | 34-34-01 | 120-29-55 | 2120 | 5809540 | 2038053 |
| 125 | Summerland | 328 | A-526 | Rain | 34-24-55 | 119-34-53 | 85 | 6084743 | 1977261 |
| 126 | Surf | 361 | A-2575 | Rain | 34-41-25 | 120-36-03 | 25 | 5779952 | 2083808 |
| 127 | Sycamore Creek | 516 | A-516 | Stream Flow | 34-25-46 | 119-40-39 | 150 | 6055846 | 1982886 |
| 128 | SYR @ Lompoc Narrows | 2523 | A-2523 | Stream Flow | 34-38-10 | 120-25-28 | 110 | 5832469 | 2062671 |
| 129 | SYR @ Los Laureles | 534 | A-534 | Stream Flow | 34-32-40 | 119-52-00 | 800 | 5999589 | 2025735 |
| 130 | SYR @ Solvang | 2533 | A-2533 | Stream Flow | 34-35-00 | 120-08-39 | 380 | 5916344 | 2041552 |
| 131 | SYR below Gibraltar | 542 | A-542 | Stream Flow | 34-31-30 | 119-41-11 | 1400 | 6053749 | 2017701 |
| 132 | Tecolote Canyon | 280 | A-537 | Rain | 34-31-15 | 119-54-32 | 2900 | 5986714 | 2017383 |
| 133 | Trout Club | 242 | A-2567 | Rain | 34-29-25 | 119-47-54 | 1175 | 6019810 | 2005651 |
| 134 | Twitchell Dam - Level | 513 | A-513 | Reservoir Level | 34-59-05 | 120-19-19 | 740 | 5866222 | 2188782 |
| 135 | Twitchell Dam - Rain | 356 | A-598 | Rain | 34-59-17 | 120-19-16 | 580 | 5866500 | 2189989 |
| 136 | Twitchell Repeater | 599 | A-599 | Repeater | 34-58-59 | 120-19-15 | 770 | 5866541 | 2188168 |
| 137 | UCSB | 200 | A-518 | Rain | 34-24-56 | 119-50-43 | 110 | 6005180 | 1978723 |
| 138 | W.Green Cyn Inflow | 577 | A-577 | Stream Flow | 34-55-12 | 120-27-50 | 150 | 5823140 | 2166245 |
| 139 | W.Green Cyn Outflow | 578 | A-578 | Stream Flow | 34-59-07 | 120-29-07 | 150 | 5817317 | 2190154 |
| 140 | West Big Pine | 285 | A-570 | Rain | 34-41-26 | 119-39-52 | 6360 | 6061356 | 2077832 |
| 141 | West Big Pine | 569 | A-569 | Wind | 34-41-26 | 119-39-52 | 6360 | 6061356 | 2077832 |
| 142 | West Big Pine | 571 | A-571 | Relative Humidity | 34-41-26 | 119-39-52 | 6360 | 6061356 | 2077832 |
| 143 | West Big Pine | 572 | A-572 | Temperature | 34-41-26 | 119-39-52 | 6360 | 6061356 | 2077832 |
| 144 | West Big Pine | 574 | A-574 | Barometric Pressure | 34-41-26 | 119-39-52 | 6360 | 6061356 | 2077832 |

# Appendix B:

# HYDROLOGIC STATION INSTALLATIONS

**Goleta Fire Station**
(ALERT 0.01" - Standpipe)

**Guadalupe - Public Works**
(ALERT 0.01" - Threaded Post)

**Cater Treatment Plant - Santa Barbara**
(ALERT 0.01" - Roof w/ offset Antenna)

**Figueroa Mountain – USFS Station**
(ALERT 0.01" - Short Standpipe)

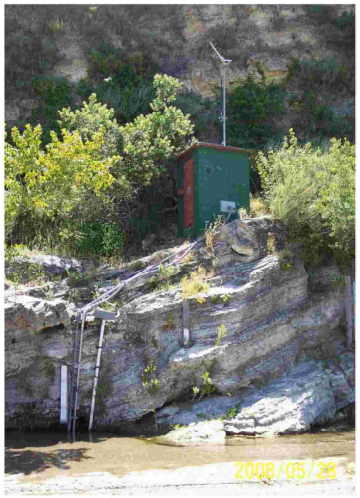
**Burton Mesa Fire Station**
(ALERT 0.01" - Belfort Conversion)

**Twitchell Reservoir**
(ALERT 0.04" - Standpipe)

**Tecolote Canyon @ W.C. Cielo**
(ALERT 0.01" - Temporary Burn-Area)

**Buellton Fire Station**
(ALERT 0.01" - Roof /Eve)

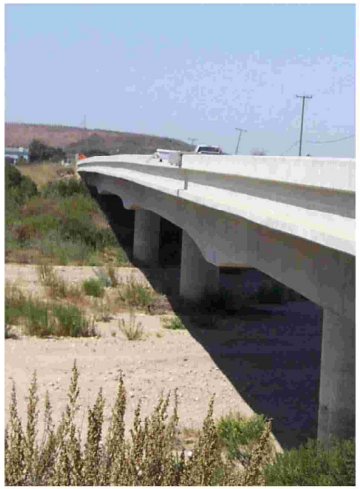
# County Automated Hydrologic Gauges – Precipitation




**Santa Ynez River @ Lompoc Narrows**
(ALERT - Pressure Transducer)

**Lower Mission Creek**
(ALERT - Bubbler)

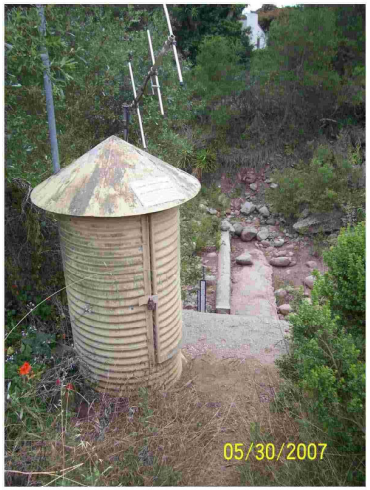
**Cuyama River @ Buckhorn**
(ALERT - Bubbler)



**Sisquoc River @ Garey**
(ALERT – RLS)

**Maria Ygnacio Creek**
(ALERT - Pressure Transducer)

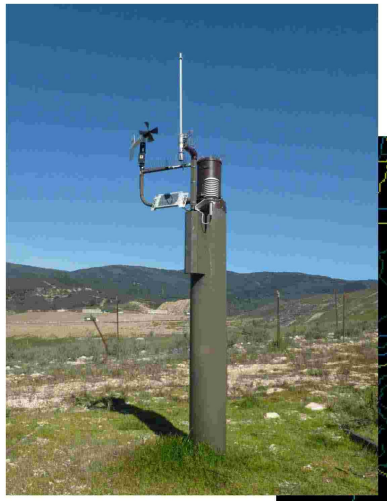
**Montecito Creek**
(ALERT - RLS)



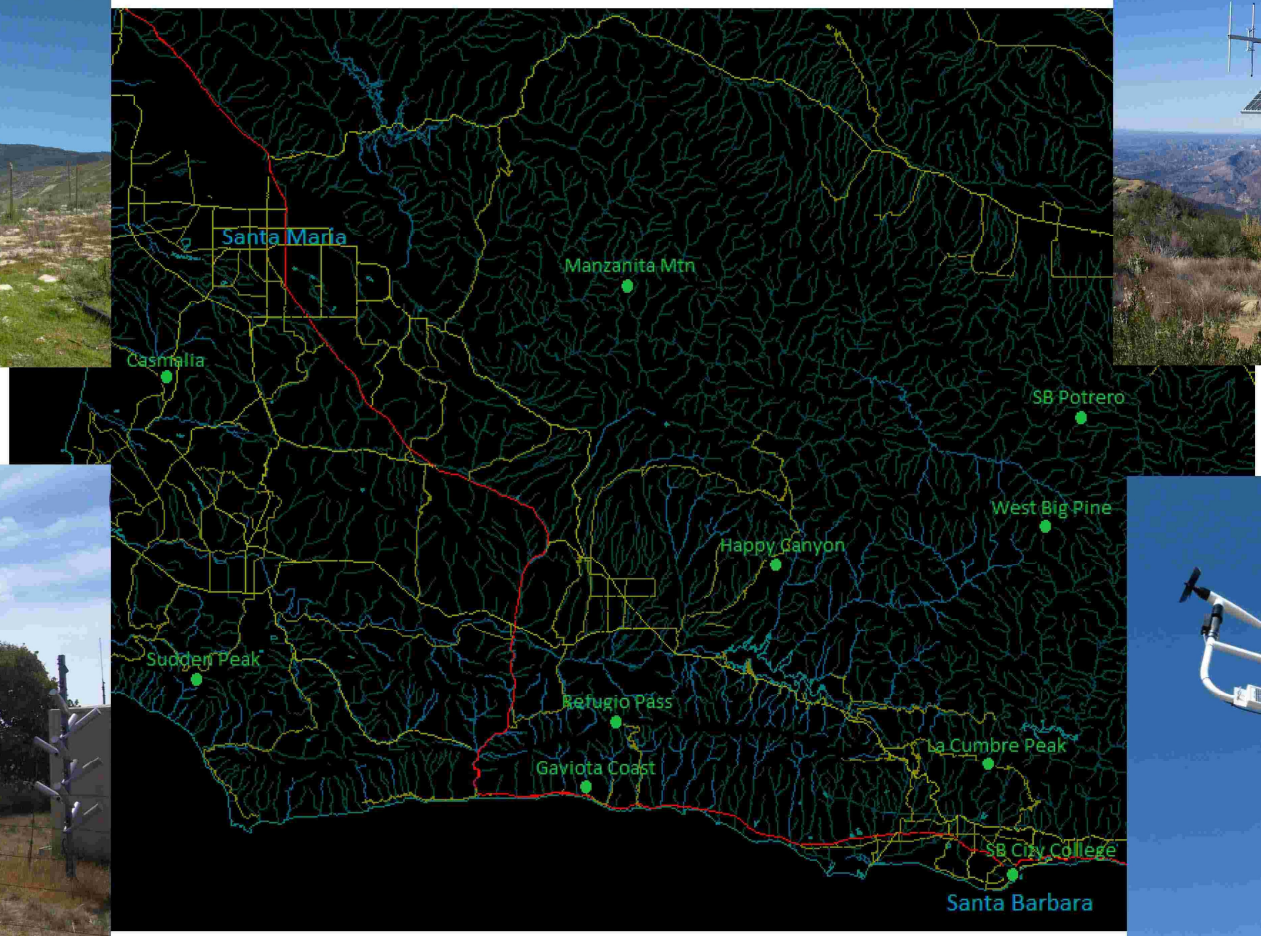

**Carpinteria Creek**
(ALERT - Pressure Transducer)

**Goleta Slough**
(ALERT - RLS)

# County Automated Hydrologic Gauges – River/Stream



**Gaviota Coast**
(Wind,Temp,RH,BP,Precip)



**La Cumbre Peak**
(Wind,Temp,RH,Rptr)

**Refugio Pass**
(Wind,Precip)

**Santa Barbara City College**
(Wind,Temp,RH,BP,Sol.Rad,Precip)

# County Automated Hydrologic Gauges – Weather

Cachuma Reservoir

Bradbury Dam & Spillway

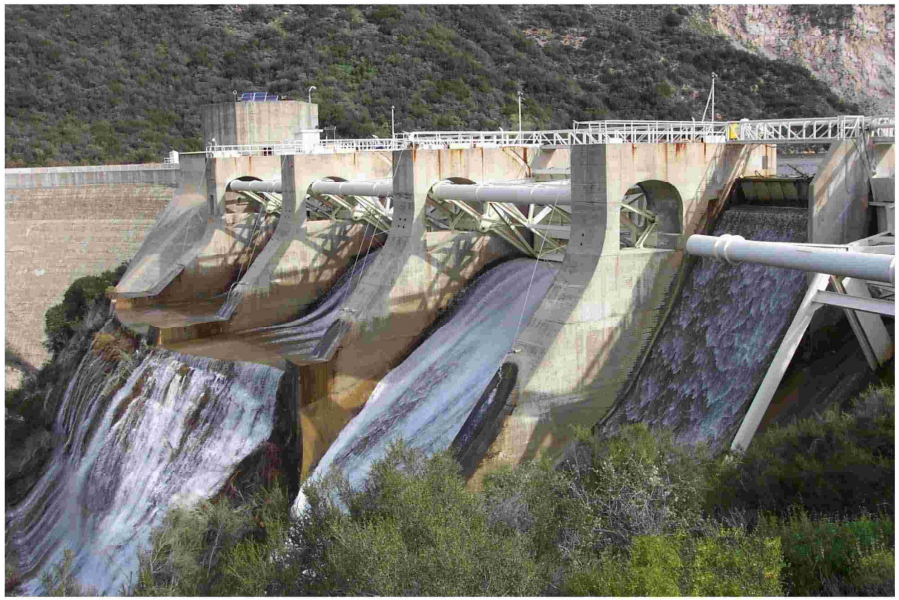
Bradbury Dam Gates

Water Level & Gate Opening ALERT Instrumentation

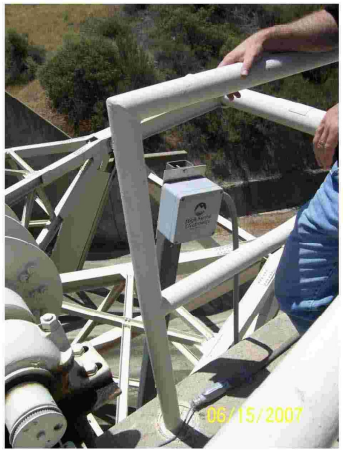
Instrumentation Building

## Cachuma Reservoir – County Automated Hydrologic Systems

Gibraltar Reservoir & Dam



Gibraltar Dam




Gate Inclinometers

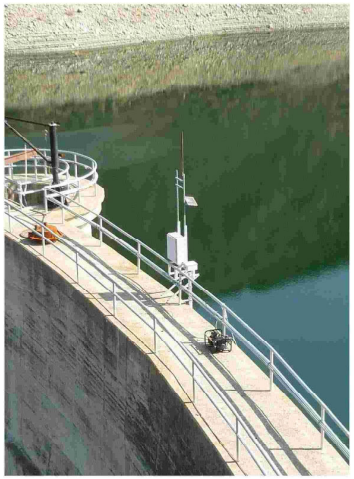
Water Level & Gate Opening ALERT Instrumentation

Data Interface to SB City (SCADA)

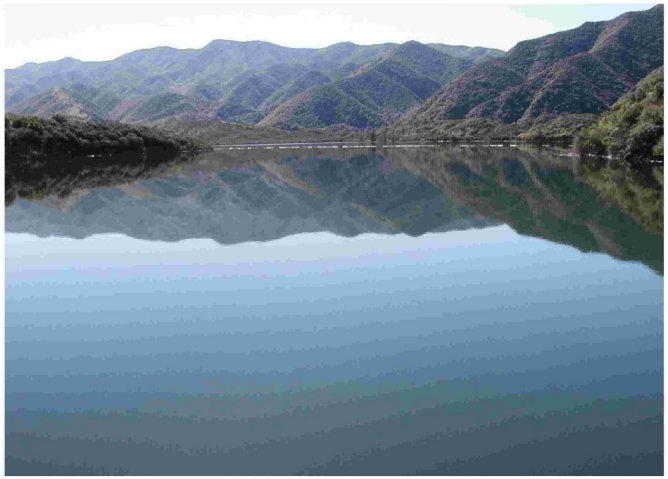
## Gibraltar Reservoir – County Automated Hydrologic Systems

Jameson Dam

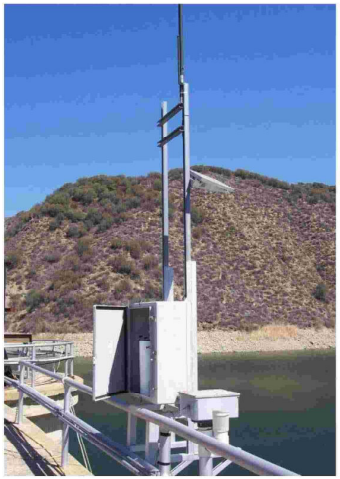
Jameson Dam & Spillway



Dam ALERT Instrumentation



Jameson Reservoir



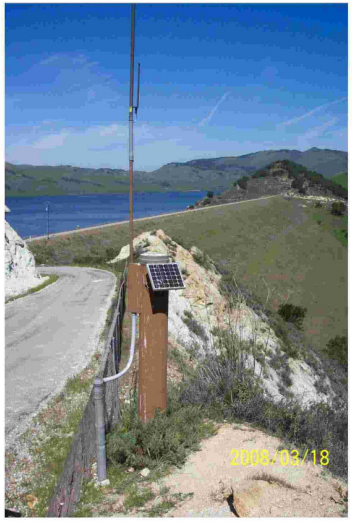
Water Level ALERT Instrumentation

## Jameson Reservoir – County Automated Hydrologic Systems

Twitchell Dam, Reservoir, and Spillway Tunnel

Twitchell Reservoir & Dam

Reservoir & ALERT Water Level Instrumentation




Twitchell Repeater & Reservoir / Dam

Water Level Instrumentation (ALERT / Bubbler)

## Twitchell Reservoir - County Automated Hydrologic Systems

# Appendix C:

## MONTHLY & YEARLY RAINFALL

(with Average Recurrence Intervals)

### (Primary Rainfall Stations x14)

1. **Buellton** (#233)
2. **Cachuma Dam** (#332)
3. **Carpinteria** (#208)
4. **Cuyama** (#436)
5. **Figueroa Mtn** (#421)
6. **Gibraltar Dam** (#230)
7. **Goleta** (#440)
8. **Lompoc** (#439)
9. **Los Alamos** (#204)
10. **San Marcos Pass** (#212)
11. **Santa Barbara** (#234)
12. **Santa Maria** (#380)
13. **Santa Ynez** (#218)
14. **Sisquoc** (#256)

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 233** **Station Type: Alert, Data Logger w/TB** **Latitude: 343647 Longitude: 1201148**

**Station Name: Buellton Fire Station #31** **Elevation (ft): 360** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1954-55 | 0.00 | 0.00 | 1.19 | 3.06 | 4.69 | 1.15 | 0.61 | 1.99 | 1.47 | 0.03 | 0.00 | 0.00 | 14.19 |
| 1955-56 | 0.00 | 0.00 | 1.97 | 7.09 | 3.97 | 0.67 | 0.00 | 1.87 | 1.07 | 0.00 | 0.00 | 0.00 | 16.64 |
| 1956-57 | 0.00 | 0.30 | 0.00 | 0.20 | 4.42 | 3.05 | 0.59 | 1.31 | 1.27 | 0.08 | 0.00 | 0.00 | 11.22 |
| 1957-58 | 0.00 | 1.10 | 0.44 | 3.75 | 2.72 | 7.06 | 6.10 | 4.70 | 0.66 | 0.00 | 0.00 | 0.00 | 26.53 |
| 1958-59 | 1.16 | 0.02 | 0.29 | 0.16 | 2.72 | 5.96 | 0.00 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 11.48 |
| 1959-60 | 0.03 | 0.00 | 0.00 | 0.92 | 4.03 | 3.43 | 0.48 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 10.66 |
| 1960-61 | 0.00 | 0.22 | 3.75 | 0.94 | 1.41 | 0.12 | 0.98 | 0.20 | 0.05 | 0.00 | 0.00 | 0.00 | 7.67 |
| 1961-62 | 0.00 | 0.00 | 3.21 | 1.86 | 2.72 | 12.73 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.95 |
| 1962-63 | 0.00 | 0.42 | 0.02 | 0.30 | 0.71 | 5.22 | 3.43 | 2.44 | 0.29 | 0.46 | 0.00 | 0.35 | 13.64 |
| 1963-64 | 1.09 | 0.87 | 2.13 | 0.08 | 1.82 | 0.03 | 1.92 | 1.20 | 0.25 | 0.08 | 0.00 | 0.00 | 9.47 |
| 1964-65 | 0.02 | 1.88 | 2.65 | 2.50 | 1.15 | 0.49 | 1.99 | 3.96 | 0.00 | 0.02 | 0.00 | 0.00 | 14.66 |
| 1965-66 | 0.00 | 0.00 | 9.42 | 3.80 | 2.52 | 0.66 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.65 |
| 1966-67 | 0.17 | 0.00 | 2.88 | 3.55 | 4.60 | 0.41 | 3.05 | 4.04 | 0.21 | 0.00 | 0.00 | 0.00 | 18.91 |
| 1967-68 | 0.46 | 0.00 | 3.03 | 0.55 | 0.86 | 1.04 | 2.75 | 1.27 | 0.04 | 0.00 | 0.00 | 0.00 | 10.00 |
| 1968-69 | 0.00 | 1.78 | 0.86 | 2.07 | 14.13 | 8.97 | 0.72 | 1.90 | 0.10 | 0.00 | 0.00 | 0.00 | 30.53 |
| 1969-70 | 0.07 | 0.22 | 1.03 | 0.38 | 2.83 | 2.70 | 1.84 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 9.15 |
| 1970-71 | 0.00 | 0.07 | 3.40 | 4.11 | 0.50 | 0.57 | 0.34 | 0.83 | 0.93 | 0.00 | 0.00 | 0.00 | 10.75 |
| 1971-72 | 0.00 | 0.08 | 0.39 | 6.87 | 0.11 | 0.26 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 |
| 1972-73 | 0.00 | 1.19 | 5.00 | 0.52 | 5.78 | 8.25 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.31 |
| 1973-74 | 0.00 | 0.14 | 2.30 | 2.15 | 7.27 | 0.18 | 4.05 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 16.90 |
| 1974-75 | 0.00 | 1.13 | 0.22 | 7.32 | 0.11 | 4.74 | 6.37 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 |
| 1975-76 | 0.00 | 0.25 | 0.47 | 0.11 | 0.00 | 7.12 | 0.93 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | 10.19 |
| 1976-77 | 4.32 | 0.58 | 0.55 | 1.61 | 3.40 | 0.13 | 1.87 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 15.20 |
| 1977-78 | 0.00 | 0.00 | 0.14 | 2.85 | 7.41 | 11.16 | 7.92 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 32.72 |
| 1978-79 | 1.95 | 0.00 | 2.33 | 1.06 | 6.52 | 2.85 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.59 |
| 1979-80 | 0.38 | 0.53 | 0.65 | 1.60 | 3.75 | 9.66 | 4.01 | 0.93 | 0.15 | 0.00 | 0.12 | 0.00 | 21.78 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.12 | 3.21 | 2.61 | 6.29 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 13.63 |
| 1981-82 | 0.00 | 0.36 | 0.95 | 0.65 | 3.04 | 0.64 | 4.80 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 | 14.01 |
| 1982-83 | 0.36 | 1.49 | 4.90 | 2.65 | 9.35 | 5.95 | 7.77 | 6.17 | 0.04 | 0.00 | 0.00 | 0.35 | 39.03 |
| 1983-84 | 0.14 | 1.82 | 3.32 | 3.77 | 0.01 | 0.22 | 0.51 | 0.35 | 0.00 | 0.00 | 0.04 | 0.00 | 10.18 |
| 1984-85 | 0.00 | 1.14 | 2.92 | 4.48 | 0.67 | 1.34 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.22 |
| 1985-86 | 0.00 | 0.41 | 4.40 | 0.74 | 0.99 | 6.03 | 5.53 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 18.44 |
| 1986-87 | 0.83 | 0.00 | 1.15 | 0.97 | 2.08 | 2.18 | 4.64 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 |
| 1987-88 | 0.00 | 2.45 | 0.99 | 4.39 | 2.46 | 3.58 | 0.44 | 2.66 | 0.12 | 0.20 | 0.00 | 0.00 | 17.29 |
| 1988-89 | 0.00 | 0.00 | 0.64 | 4.13 | 0.17 | 1.03 | 0.39 | 0.08 | 0.35 | 0.00 | 0.00 | 0.00 | 6.79 |
| 1989-90 | 0.53 | 0.35 | 0.35 | 0.00 | 2.78 | 1.89 | 0.33 | 0.16 | 0.67 | 0.00 | 0.00 | 0.00 | 7.06 |
| 1990-91 | 0.13 | 0.00 | 0.29 | 0.82 | 1.20 | 2.36 | 12.95 | 0.22 | 0.00 | 0.00 | 0.00 | 0.02 | 17.99 |
| 1991-92 | 0.00 | 0.44 | 0.22 | 7.95 | 3.11 | 10.48 | 4.61 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 27.11 |
| 1992-93 | 0.00 | 0.82 | 0.00 | 4.61 | 7.82 | 8.94 | 5.05 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 27.36 |
| 1993-94 | 0.00 | 0.15 | 0.74 | 1.97 | 1.32 | 4.36 | 2.42 | 0.95 | 0.70 | 0.00 | 0.00 | 0.00 | 12.61 |
| 1994-95 | 0.00 | 0.60 | 2.00 | 0.95 | 16.71 | 1.85 | 9.73 | 0.34 | 1.23 | 0.85 | 0.00 | 0.00 | 34.26 |
| 1995-96 | 0.00 | 0.00 | 0.22 | 1.16 | 2.63 | 7.05 | 1.70 | 0.31 | 0.20 | 0.00 | 0.00 | 0.00 | 13.27 |
| 1996-97 | 0.00 | 2.25 | 1.93 | 4.23 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 12.61 |
| 1997-98 | 0.88 | 0.00 | 3.74 | 4.51 | 4.85 | 19.78 | 2.45 | 3.12 | 2.23 | 0.00 | 0.00 | 0.00 | 41.56 |
| 1998-99 | 0.20 | 0.10 | 1.72 | 1.06 | 1.87 | 1.26 | 6.76 | 1.55 | 0.00 | 0.00 | 0.15 | 0.00 | 14.67 |
| 1999-00 | 0.00 | 0.00 | 1.75 | 0.00 | 1.44 | 9.10 | 2.28 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 | 18.40 |
| 2000-01 | 0.00 | 3.15 | 0.00 | 0.06 | 6.92 | 5.27 | 11.82 | 1.12 | 0.00 | 0.00 | 0.04 | 0.00 | 28.38 |
| 2001-02 | 0.00 | 0.65 | 3.72 | 2.16 | 0.93 | 0.21 | 0.57 | 0.10 | 0.11 | 0.00 | 0.00 | 0.00 | 8.45 |
| 2002-03 | 0.05 | 0.00 | 3.35 | 6.29 | 0.08 | 2.22 | 2.70 | 1.63 | 1.24 | 0.00 | 0.00 | 0.00 | 17.56 |
| 2003-04 | 0.02 | 0.00 | 1.28 | 1.91 | 0.49 | 5.23 | 0.44 | 0.05 | 0.01 | 0.00 | 0.01 | 0.00 | 9.44 |
| 2004-05 | 0.01 | 6.65 | 0.64 | 10.60 | 8.20 | 8.40 | 3.81 | 0.66 | 0.58 | 0.02 | 0.00 | 0.00 | 39.57 |
| 2005-06 | 0.08 | 0.42 | 1.62 | 0.71 | 5.29 | 2.51 | 3.58 | 4.10 | 0.95 | 0.01 | 0.00 | 0.00 | 19.27 |
| 2006-07 | 0.00 | 0.21 | 0.26 | 1.55 | 1.68 | 1.74 | 0.05 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 6.30 |
| 2007-08 | 0.70 | 0.69 | 0.00 | 1.68 | 14.56 | 2.31 | 0.00 | 0.03 | 0.04 | 0.00 | 0.00 | 0.00 | 20.01 |
| 2008-09 | 0.00 | 0.09 | 2.10 | 1.65 | 0.52 | 5.22 | 0.87 | 0.08 | 0.02 | 0.21 | 0.00 | 0.00 | 10.76 |
| 2009-10 | 0.01 | 1.32 | 0.00 | 2.94 | 7.36 | 4.27 | 0.36 | 2.05 | 0.01 | 0.00 | 0.20 | 0.00 | 18.52 |
| 2010-11 | 0.00 | 1.95 | 1.20 | 7.91 | 0.73 | 3.07 | 5.41 | 0.32 | 0.31 | 0.36 | 0.00 | 0.00 | 21.26 |
| 2011-12 | 0.17 | 0.64 | 3.22 | 0.57 | 1.32 | 0.36 | 2.45 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 11.54 |
| 2012-13 | 0.00 | 0.08 | 0.77 | 3.04 | 1.91 | 0.58 | 1.26 | 0.03 | 0.09 | 0.00 | 0.03 | 0.00 | 7.79 |
| 2013-14 | 0.00 | 0.15 | 0.62 | 0.20 | 0.00 | 2.87 | 1.32 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 5.87 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 233** **Station Type: Alert, Data Logger w/TB** **Latitude: 343647 Longitude: 1201148**

**Station Name: Buellton Fire Station #31** **Elevation (ft): 360** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2014-15 | 0.00 | 0.00 | 0.64 | 4.09 | 0.65 | 0.60 | 0.26 | 0.38 | 0.08 | 0.17 | 0.07 | 0.00 | 6.94 |
| 2015-16 | 0.07 | 0.20 | 0.54 | 1.12 | 3.89 | 1.29 | 2.56 | 0.61 | 0.47 | 0.00 | 0.00 | 0.00 | 10.75 |
| Total | 13.83 | 39.36 | 100.51 | 156.05 | 214.54 | 235.41 | 177.86 | 75.01 | 18.68 | 2.61 | 1.01 | 0.72 | 1035.59 |
| N | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| Mean | 0.22 | 0.63 | 1.62 | 2.52 | 3.46 | 3.80 | 2.87 | 1.21 | 0.30 | 0.04 | 0.02 | 0.01 | 16.70 |
| Max | 4.32 | 6.65 | 9.42 | 10.60 | 16.71 | 19.78 | 12.95 | 6.17 | 2.74 | 0.85 | 0.30 | 0.35 | 41.56 |
| StdDev | 0.63 | 1.05 | 1.69 | 2.34 | 3.53 | 3.85 | 2.92 | 1.42 | 0.55 | 0.13 | 0.05 | 0.06 | 8.52 |
| CV | 2.83 | 1.65 | 1.04 | 0.93 | 1.02 | 1.01 | 1.02 | 1.18 | 1.84 | 3.16 | 3.14 | 5.32 | 0.51 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.41 | 1.24 | 2.18 | 2.68 | 3.12 | 2.42 | 0.85 | 0.10 | 0.00 | 0.00 | 0.00 | 15.38 |
| 5 | 0.38 | 1.15 | 2.81 | 4.12 | 5.58 | 6.62 | 4.74 | 2.10 | 0.57 | 0.08 | 0.03 | 0.02 | 22.22 |
| 10 | 0.84 | 1.71 | 3.86 | 5.35 | 7.60 | 8.83 | 6.21 | 2.98 | 0.97 | 0.17 | 0.07 | 0.05 | 26.55 |
| 25 | 1.57 | 2.41 | 5.18 | 6.83 | 10.19 | 11.54 | 8.01 | 4.14 | 1.55 | 0.32 | 0.15 | 0.11 | 31.84 |
| 50 | 2.17 | 2.95 | 6.13 | 7.89 | 12.12 | 13.53 | 9.33 | 4.98 | 2.00 | 0.44 | 0.22 | 0.17 | 35.74 |
| 100 | 2.80 | 3.48 | 7.08 | 8.90 | 14.02 | 15.41 | 10.58 | 5.83 | 2.47 | 0.56 | 0.29 | 0.23 | 39.41 |
| 200 | 3.46 | 4.01 | 8.02 | 9.90 | 15.89 | 17.25 | 11.80 | 6.68 | 2.94 | 0.69 | 0.37 | 0.29 | 43.01 |
| 500 | 4.78 | 4.89 | 9.49 | 11.33 | 18.97 | 19.96 | 13.60 | 8.07 | 3.75 | 0.95 | 0.53 | 0.42 | 48.31 |
| 1000 | 5.03 | 5.22 | 10.14 | 12.09 | 20.18 | 21.35 | 14.52 | 8.61 | 4.05 | 1.00 | 0.55 | 0.44 | 51.02 |
| 10000 | 7.38 | 6.95 | 13.09 | 15.12 | 26.26 | 27.06 | 18.32 | 11.34 | 5.67 | 1.46 | 0.83 | 0.67 | 62.20 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 332** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 343452 Longitude: 1195847**

**Station Name: Cachuma Dam** **Elevation (ft): 800** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1952-53 | 0.00 | 0.00 | 4.32 | 6.83 | 1.12 | 0.00 | 0.30 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 13.80 |
| 1953-54 | 0.00 | 0.00 | 2.73 | 0.25 | 4.89 | 3.38 | 5.48 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 16.91 |
| 1954-55 | 0.00 | 0.00 | 1.22 | 2.76 | 5.22 | 2.04 | 0.80 | 3.27 | 1.60 | 0.01 | 0.00 | 0.04 | 16.96 |
| 1955-56 | 0.00 | 0.00 | 2.03 | 9.75 | 3.48 | 0.75 | 0.00 | 3.44 | 2.03 | 0.00 | 0.00 | 0.00 | 21.48 |
| 1956-57 | 0.00 | 0.27 | 0.00 | 0.48 | 6.05 | 3.23 | 1.27 | 1.94 | 0.85 | 0.14 | 0.00 | 0.00 | 14.23 |
| 1957-58 | 0.00 | 0.70 | 0.27 | 5.68 | 2.01 | 10.17 | 7.29 | 7.89 | 0.42 | 0.00 | 0.00 | 0.02 | 34.45 |
| 1958-59 | 0.80 | 0.00 | 0.21 | 0.07 | 5.34 | 8.28 | 0.00 | 0.58 | 0.03 | 0.00 | 0.00 | 0.00 | 15.31 |
| 1959-60 | 0.07 | 0.00 | 0.00 | 1.68 | 4.28 | 2.48 | 0.51 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 | 11.33 |
| 1960-61 | 0.00 | 0.00 | 5.52 | 0.88 | 2.85 | 0.17 | 0.81 | 0.44 | 0.03 | 0.18 | 0.00 | 0.00 | 10.88 |
| 1961-62 | 0.00 | 0.00 | 3.92 | 2.89 | 1.56 | 14.19 | 1.46 | 0.02 | 0.12 | 0.04 | 0.00 | 0.00 | 24.20 |
| 1962-63 | 0.00 | 0.32 | 0.00 | 0.25 | 0.73 | 5.69 | 3.88 | 2.31 | 0.24 | 0.41 | 0.00 | 0.53 | 14.36 |
| 1963-64 | 1.55 | 0.78 | 3.29 | 0.00 | 2.28 | 0.04 | 1.78 | 2.10 | 0.12 | 0.18 | 0.00 | 0.00 | 12.12 |
| 1964-65 | 0.00 | 1.28 | 3.12 | 2.54 | 1.00 | 0.42 | 1.95 | 5.02 | 0.00 | 0.00 | 0.00 | 0.00 | 15.33 |
| 1965-66 | 0.01 | 0.00 | 10.25 | 4.68 | 2.48 | 0.69 | 0.30 | 0.06 | 0.00 | 0.00 | 0.01 | 0.00 | 18.48 |
| 1966-67 | 0.10 | 0.12 | 3.76 | 3.02 | 5.66 | 0.38 | 4.23 | 5.53 | 0.13 | 0.13 | 0.00 | 0.00 | 23.06 |
| 1967-68 | 0.28 | 0.00 | 3.32 | 1.08 | 0.82 | 1.06 | 2.54 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 10.27 |
| 1968-69 | 0.00 | 1.36 | 0.84 | 1.49 | 18.33 | 13.54 | 1.28 | 2.40 | 0.01 | 0.00 | 0.05 | 0.00 | 39.30 |
| 1969-70 | 0.14 | 0.02 | 1.14 | 0.32 | 2.57 | 2.80 | 4.72 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 11.81 |
| 1970-71 | 0.00 | 0.01 | 5.84 | 5.75 | 0.59 | 0.92 | 0.37 | 0.75 | 0.81 | 0.00 | 0.00 | 0.00 | 15.04 |
| 1971-72 | 0.02 | 1.03 | 0.42 | 8.51 | 0.08 | 0.15 | 0.00 | 0.16 | 0.00 | 0.00 | 0.08 | 0.00 | 10.45 |
| 1972-73 | 0.00 | 0.49 | 5.32 | 1.11 | 6.79 | 12.20 | 3.28 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 29.20 |
| 1973-74 | 0.00 | 0.36 | 1.97 | 2.56 | 7.50 | 0.06 | 3.53 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 16.84 |
| 1974-75 | 0.00 | 0.94 | 0.12 | 9.02 | 0.20 | 4.99 | 8.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.01 | 24.50 |
| 1975-76 | 0.00 | 0.43 | 0.52 | 0.17 | 0.00 | 7.23 | 1.29 | 1.47 | 0.00 | 0.06 | 0.01 | 0.06 | 11.24 |
| 1976-77 | 2.98 | 1.44 | 0.61 | 0.82 | 4.68 | 0.13 | 2.50 | 0.00 | 2.85 | 0.00 | 0.00 | 0.02 | 16.03 |
| 1977-78 | 0.00 | 0.00 | 0.24 | 4.48 | 8.00 | 10.72 | 14.14 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 40.68 |
| 1978-79 | 1.85 | 0.00 | 2.18 | 1.13 | 7.13 | 4.00 | 6.04 | 0.05 | 0.00 | 0.00 | 0.00 | 0.02 | 22.40 |
| 1979-80 | 0.45 | 0.68 | 0.89 | 2.56 | 4.26 | 11.12 | 3.49 | 1.08 | 0.17 | 0.00 | 0.00 | 0.00 | 24.70 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 0.93 | 4.21 | 2.61 | 7.66 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 16.43 |
| 1981-82 | 0.00 | 0.46 | 1.26 | 0.65 | 3.91 | 0.55 | 5.61 | 4.34 | 0.01 | 0.01 | 0.00 | 0.00 | 16.80 |
| 1982-83 | 0.59 | 0.94 | 5.36 | 2.80 | 9.88 | 5.22 | 12.92 | 5.75 | 0.86 | 0.01 | 0.00 | 0.72 | 45.05 |
| 1983-84 | 0.26 | 2.69 | 4.43 | 3.95 | 0.17 | 0.38 | 0.34 | 0.29 | 0.00 | 0.00 | 0.02 | 0.05 | 12.58 |
| 1984-85 | 0.22 | 0.53 | 2.73 | 4.72 | 1.08 | 1.41 | 1.55 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 12.45 |
| 1985-86 | 0.05 | 0.76 | 5.23 | 0.85 | 2.39 | 7.37 | 5.76 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 22.67 |
| 1986-87 | 0.71 | 0.05 | 0.69 | 0.67 | 1.49 | 1.89 | 4.16 | 0.08 | 0.00 | 0.01 | 0.01 | 0.00 | 9.76 |
| 1987-88 | 0.00 | 2.21 | 1.46 | 5.28 | 3.06 | 4.62 | 1.71 | 3.39 | 0.07 | 0.11 | 0.01 | 0.00 | 21.92 |
| 1988-89 | 0.00 | 0.00 | 0.88 | 4.28 | 0.33 | 2.46 | 0.63 | 0.07 | 0.46 | 0.00 | 0.00 | 0.00 | 9.11 |
| 1989-90 | 0.57 | 0.30 | 0.45 | 0.00 | 3.34 | 1.90 | 0.28 | 0.76 | 0.78 | 0.03 | 0.00 | 0.00 | 8.41 |
| 1990-91 | 0.10 | 0.00 | 0.35 | 0.47 | 1.10 | 4.43 | 15.41 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 21.99 |
| 1991-92 | 0.00 | 0.48 | 0.07 | 6.20 | 2.82 | 12.74 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.05 |
| 1992-93 | 0.00 | 0.70 | 0.00 | 5.23 | 10.05 | 10.30 | 5.65 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 32.28 |
| 1993-94 | 0.00 | 0.26 | 1.06 | 2.21 | 1.65 | 7.52 | 2.90 | 0.82 | 0.90 | 0.00 | 0.00 | 0.00 | 17.32 |
| 1994-95 | 0.04 | 1.03 | 1.18 | 1.01 | 24.21 | 1.95 | 9.71 | 0.46 | 1.78 | 0.48 | 0.00 | 0.00 | 41.85 |
| 1995-96 | 0.00 | 0.00 | 0.30 | 1.35 | 2.16 | 6.92 | 1.92 | 0.57 | 0.19 | 0.00 | 0.00 | 0.00 | 13.41 |
| 1996-97 | 0.00 | 4.15 | 2.42 | 4.29 | 4.39 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 15.50 |
| 1997-98 | 0.18 | 0.00 | 4.00 | 10.11 | 6.09 | 23.30 | 3.40 | 2.90 | 3.36 | 0.03 | 0.00 | 0.00 | 53.37 |
| 1998-99 | 0.46 | 0.12 | 1.38 | 1.31 | 3.19 | 1.54 | 5.71 | 3.23 | 0.02 | 0.07 | 0.05 | 0.02 | 17.10 |
| 1999-00 | 0.00 | 0.00 | 1.62 | 0.00 | 1.94 | 10.37 | 2.76 | 2.55 | 0.00 | 0.04 | 0.00 | 0.00 | 19.28 |
| 2000-01 | 0.00 | 2.64 | 0.00 | 0.04 | 8.40 | 5.71 | 13.44 | 1.35 | 0.06 | 0.00 | 0.00 | 0.00 | 31.64 |
| 2001-02 | 0.00 | 0.62 | 3.27 | 2.66 | 0.87 | 0.24 | 0.79 | 0.13 | 0.12 | 0.00 | 0.00 | 0.00 | 8.70 |
| 2002-03 | 0.08 | 0.00 | 2.50 | 6.73 | 0.06 | 3.56 | 2.40 | 2.15 | 2.33 | 0.02 | 0.01 | 0.00 | 19.84 |
| 2003-04 | 0.00 | 0.00 | 1.20 | 2.03 | 0.32 | 6.52 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.55 |
| 2004-05 | 0.00 | 6.38 | 0.33 | 13.25 | 10.30 | 9.09 | 3.01 | 0.71 | 0.40 | 0.00 | 0.00 | 0.00 | 43.47 |
| 2005-06 | 0.03 | 0.42 | 1.53 | 0.70 | 7.75 | 3.06 | 4.31 | 4.89 | 1.54 | 0.00 | 0.00 | 0.00 | 24.23 |
| 2006-07 | 0.00 | 0.16 | 0.20 | 1.59 | 1.30 | 3.02 | 0.15 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 7.33 |
| 2007-08 | 0.13 | 0.32 | 0.08 | 2.55 | 17.82 | 2.36 | 0.47 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 23.86 |
| 2008-09 | 0.00 | 0.11 | 3.65 | 2.58 | 0.64 | 6.04 | 0.93 | 0.20 | 0.00 | 0.17 | 0.00 | 0.02 | 14.34 |
| 2009-10 | 0.06 | 2.36 | 0.00 | 3.17 | 10.13 | 4.63 | 0.20 | 3.05 | 0.05 | 0.00 | 0.00 | 0.00 | 23.65 |
| 2010-11 | 0.00 | 2.23 | 1.47 | 9.87 | 1.97 | 3.73 | 12.51 | 0.21 | 0.44 | 0.36 | 0.00 | 0.00 | 32.79 |
| 2011-12 | 0.00 | 0.47 | 3.08 | 0.36 | 1.69 | 0.52 | 3.91 | 3.39 | 0.01 | 0.00 | 0.00 | 0.00 | 13.43 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 332** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 343452 Longitude: 1195847**

**Station Name: Cachuma Dam** **Elevation (ft): 800** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2012-13 | 0.20 | 0.06 | 1.34 | 3.00 | 1.80 | 0.39 | 1.00 | 0.05 | 0.02 | 0.00 | 0.01 | 0.00 | 7.87 |
| 2013-14 | 0.00 | 0.32 | 1.20 | 0.18 | 0.00 | 4.31 | 3.72 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 10.43 |
| 2014-15 | 0.00 | 0.00 | 0.84 | 5.88 | 0.80 | 0.52 | 0.07 | 0.35 | 0.25 | 0.42 | 0.03 | 0.00 | 9.16 |
| 2015-16 | 0.18 | 0.31 | 0.76 | 1.10 | 3.90 | 1.70 | 3.13 | 0.26 | 0.37 | 0.00 | 0.00 | 0.00 | 11.71 |
| Total | 12.11 | 41.31 | 120.37 | 192.76 | 265.11 | 283.89 | 224.60 | 93.93 | 23.50 | 3.26 | 0.34 | 1.51 | 1262.69 |
| N | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| Mean | 0.19 | 0.65 | 1.88 | 3.01 | 4.14 | 4.44 | 3.51 | 1.47 | 0.37 | 0.05 | 0.01 | 0.02 | 19.73 |
| Max | 2.98 | 6.38 | 10.25 | 13.25 | 24.21 | 23.30 | 15.41 | 7.89 | 3.36 | 0.48 | 0.08 | 0.72 | 53.37 |
| StdDev | 0.48 | 1.09 | 1.96 | 2.98 | 4.56 | 4.54 | 3.73 | 1.73 | 0.72 | 0.11 | 0.01 | 0.11 | 10.24 |
| CV | 2.56 | 1.69 | 1.04 | 0.99 | 1.10 | 1.02 | 1.06 | 1.18 | 1.96 | 2.22 | 2.78 | 4.66 | 0.52 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.41 | 1.44 | 2.61 | 3.21 | 3.65 | 2.96 | 1.03 | 0.12 | 0.00 | 0.00 | 0.00 | 18.17 |
| 5 | 0.32 | 1.17 | 3.26 | 4.93 | 6.68 | 7.73 | 5.80 | 2.54 | 0.69 | 0.10 | 0.01 | 0.03 | 26.24 |
| 10 | 0.72 | 1.74 | 4.48 | 6.40 | 9.10 | 10.32 | 7.60 | 3.62 | 1.19 | 0.21 | 0.02 | 0.10 | 31.36 |
| 25 | 1.33 | 2.45 | 6.01 | 8.17 | 12.20 | 13.48 | 9.80 | 5.02 | 1.89 | 0.39 | 0.05 | 0.23 | 37.61 |
| 50 | 1.84 | 3.00 | 7.11 | 9.44 | 14.51 | 15.81 | 11.42 | 6.05 | 2.44 | 0.53 | 0.07 | 0.34 | 42.21 |
| 100 | 2.37 | 3.54 | 8.22 | 10.65 | 16.78 | 18.01 | 12.94 | 7.07 | 3.01 | 0.68 | 0.10 | 0.46 | 46.55 |
| 200 | 2.93 | 4.07 | 9.30 | 11.84 | 19.02 | 20.16 | 14.44 | 8.10 | 3.58 | 0.84 | 0.12 | 0.59 | 50.81 |
| 500 | 4.05 | 4.97 | 11.01 | 13.56 | 22.71 | 23.32 | 16.64 | 9.79 | 4.57 | 1.15 | 0.17 | 0.86 | 57.06 |
| 1000 | 4.27 | 5.31 | 11.76 | 14.47 | 24.16 | 24.94 | 17.77 | 10.44 | 4.93 | 1.21 | 0.18 | 0.90 | 60.27 |
| 10000 | 6.26 | 7.07 | 15.19 | 18.09 | 31.43 | 31.62 | 22.41 | 13.75 | 6.91 | 1.77 | 0.27 | 1.36 | 73.46 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 208** **Station Type: Alert, Data Logger w/TB** **Latitude: 342353 Longitude: 1193106**

**Station Name: Carpinteria Fire Station** **Elevation (ft): 32** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1948-49 | 0.00 | 0.00 | 0.00 | 2.63 | 1.43 | 1.12 | 1.89 | 0.18 | 1.29 | 0.09 | 0.00 | 0.00 | 8.63 |
| 1949-50 | 0.00 | 0.00 | 2.42 | 3.12 | 2.24 | 2.73 | 1.18 | 0.38 | 0.00 | 0.13 | 0.09 | 0.00 | 12.29 |
| 1950-51 | 0.63 | 0.61 | 1.30 | 0.29 | 1.89 | 1.27 | 0.56 | 1.46 | 0.00 | 0.00 | 0.00 | 0.09 | 8.10 |
| 1951-52 | 0.00 | 0.80 | 1.82 | 4.87 | 10.75 | 0.04 | 6.40 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 26.70 |
| 1952-53 | 0.00 | 0.00 | 3.56 | 4.63 | 1.51 | 0.00 | 1.13 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 12.36 |
| 1953-54 | 0.00 | 0.00 | 2.32 | 0.13 | 5.57 | 2.39 | 3.88 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 14.63 |
| 1954-55 | 0.00 | 0.00 | 1.56 | 1.56 | 4.41 | 2.00 | 0.31 | 2.71 | 0.54 | 0.00 | 0.00 | 0.00 | 13.09 |
| 1955-56 | 0.00 | 0.00 | 1.47 | 5.27 | 6.94 | 0.73 | 0.00 | 2.52 | 1.00 | 0.00 | 0.00 | 0.00 | 17.93 |
| 1956-57 | 0.00 | 0.07 | 0.00 | 0.27 | 4.10 | 3.08 | 0.44 | 1.57 | 0.92 | 0.00 | 0.00 | 0.00 | 10.45 |
| 1957-58 | 0.00 | 1.52 | 0.71 | 4.45 | 2.75 | 7.80 | 5.79 | 5.05 | 0.28 | 0.00 | 0.00 | 0.00 | 28.35 |
| 1958-59 | 1.06 | 0.00 | 0.00 | 0.07 | 1.96 | 4.15 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 8.42 |
| 1959-60 | 0.00 | 0.00 | 0.00 | 0.81 | 3.21 | 3.32 | 1.12 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 10.40 |
| 1960-61 | 0.00 | 0.05 | 6.35 | 0.00 | 1.16 | 0.04 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.22 |
| 1961-62 | 0.18 | 0.00 | 2.61 | 1.00 | 2.33 | 16.99 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.38 |
| 1962-63 | 0.00 | 0.49 | 0.00 | 0.00 | 0.89 | 5.93 | 3.68 | 2.57 | 0.27 | 1.02 | 0.00 | 0.00 | 14.85 |
| 1963-64 | 1.87 | 1.02 | 3.29 | 0.00 | 1.51 | 0.00 | 1.78 | 2.29 | 0.09 | 0.00 | 0.00 | 0.00 | 11.85 |
| 1964-65 | 0.00 | 0.78 | 2.14 | 4.57 | 1.02 | 0.59 | 2.18 | 7.44 | 0.14 | 0.06 | 0.00 | 0.00 | 18.92 |
| 1965-66 | 0.19 | 0.00 | 9.81 | 3.72 | 1.76 | 1.02 | 0.10 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 16.81 |
| 1966-67 | 0.00 | 0.00 | 3.30 | 6.69 | 6.00 | 0.43 | 2.74 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 | 23.43 |
| 1967-68 | 0.36 | 0.00 | 4.80 | 1.07 | 1.79 | 1.51 | 3.92 | 0.93 | 0.00 | 0.00 | 0.00 | 0.13 | 14.51 |
| 1968-69 | 0.00 | 1.21 | 0.67 | 2.02 | 16.30 | 9.45 | 0.49 | 1.81 | 0.16 | 0.08 | 0.00 | 0.00 | 32.19 |
| 1969-70 | 0.00 | 0.00 | 2.27 | 0.22 | 3.02 | 2.29 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.59 |
| 1970-71 | 0.00 | 0.05 | 4.72 | 5.09 | 1.17 | 2.10 | 0.86 | 0.56 | 2.09 | 0.00 | 0.00 | 0.00 | 16.64 |
| 1971-72 | 0.00 | 0.13 | 0.55 | 6.95 | 0.63 | 0.00 | 0.00 | 0.16 | 0.00 | 0.10 | 0.00 | 0.00 | 8.52 |
| 1972-73 | 0.00 | 0.22 | 4.65 | 0.88 | 6.17 | 10.47 | 3.04 | 0.05 | 0.20 | 0.04 | 0.00 | 0.12 | 25.84 |
| 1973-74 | 0.00 | 0.57 | 2.79 | 1.19 | 8.70 | 0.14 | 4.22 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 17.86 |
| 1974-75 | 0.00 | 0.89 | 0.13 | 7.72 | 0.00 | 4.11 | 4.18 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 18.18 |
| 1975-76 | 0.15 | 0.18 | 0.09 | 0.28 | 0.00 | 6.59 | 2.31 | 0.90 | 0.03 | 0.23 | 0.00 | 0.00 | 10.76 |
| 1976-77 | 5.65 | 0.00 | 0.46 | 0.73 | 3.87 | 0.23 | 1.70 | 0.00 | 3.92 | 0.11 | 0.00 | 0.61 | 17.28 |
| 1977-78 | 0.00 | 0.00 | 0.27 | 6.58 | 8.83 | 9.63 | 11.39 | 2.44 | 0.00 | 0.09 | 0.00 | 0.08 | 39.31 |
| 1978-79 | 1.39 | 0.09 | 1.80 | 2.15 | 3.23 | 5.06 | 7.61 | 0.00 | 0.08 | 0.00 | 0.00 | 0.16 | 21.57 |
| 1979-80 | 0.71 | 0.65 | 0.65 | 1.23 | 6.78 | 11.71 | 3.68 | 0.76 | 0.19 | 0.00 | 0.04 | 0.00 | 26.40 |
| 1980-81 | 0.03 | 0.00 | 0.00 | 1.08 | 2.84 | 1.99 | 5.69 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 12.44 |
| 1981-82 | 0.50 | 0.00 | 1.85 | 0.89 | 3.10 | 0.55 | 5.54 | 2.70 | 0.15 | 0.11 | 0.00 | 0.00 | 15.39 |
| 1982-83 | 1.32 | 0.58 | 5.54 | 3.11 | 8.89 | 6.28 | 7.52 | 3.73 | 0.31 | 0.18 | 0.00 | 1.65 | 39.11 |
| 1983-84 | 0.97 | 3.93 | 3.51 | 3.29 | 0.04 | 0.00 | 0.35 | 0.24 | 0.25 | 0.00 | 0.00 | 0.58 | 13.16 |
| 1984-85 | 0.55 | 0.45 | 2.54 | 5.05 | 1.49 | 1.86 | 1.50 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 13.56 |
| 1985-86 | 0.07 | 0.65 | 4.47 | 0.88 | 2.07 | 7.66 | 5.52 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 22.92 |
| 1986-87 | 1.43 | 0.00 | 1.25 | 0.36 | 2.08 | 2.25 | 3.16 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 10.66 |
| 1987-88 | 0.00 | 1.36 | 1.71 | 3.50 | 2.58 | 2.42 | 0.54 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 15.46 |
| 1988-89 | 0.09 | 0.00 | 1.05 | 2.93 | 0.44 | 3.19 | 0.54 | 0.71 | 0.22 | 0.00 | 0.00 | 0.00 | 9.17 |
| 1989-90 | 0.07 | 0.96 | 0.42 | 0.00 | 2.79 | 2.71 | 0.15 | 0.09 | 0.78 | 0.00 | 0.00 | 0.00 | 7.97 |
| 1990-91 | 0.06 | 0.00 | 0.29 | 0.05 | 1.60 | 2.27 | 13.30 | 0.04 | 0.00 | 0.27 | 0.02 | 0.04 | 17.94 |
| 1991-92 | 0.00 | 0.55 | 0.19 | 5.02 | 2.76 | 9.33 | 3.99 | 0.00 | 0.31 | 0.09 | 0.42 | 0.00 | 22.66 |
| 1992-93 | 0.00 | 1.74 | 0.00 | 5.50 | 12.35 | 7.39 | 5.42 | 0.00 | 0.09 | 0.77 | 0.07 | 0.00 | 33.33 |
| 1993-94 | 0.00 | 0.09 | 1.38 | 1.47 | 0.98 | 5.79 | 2.07 | 0.65 | 0.37 | 0.00 | 0.00 | 0.00 | 12.80 |
| 1994-95 | 0.42 | 0.40 | 1.59 | 1.14 | 19.08 | 1.72 | 10.87 | 0.35 | 0.88 | 0.61 | 0.00 | 0.00 | 37.06 |
| 1995-96 | 0.00 | 0.00 | 0.21 | 3.11 | 2.03 | 8.48 | 2.05 | 1.14 | 0.37 | 0.00 | 0.00 | 0.00 | 17.39 |
| 1996-97 | 0.00 | 2.70 | 0.00 | 6.25 | 6.97 | 0.09 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 16.10 |
| 1997-98 | 0.00 | 0.08 | 2.86 | 7.69 | 4.42 | 20.97 | 3.71 | 2.13 | 3.83 | 0.14 | 0.00 | 0.00 | 45.83 |
| 1998-99 | 0.12 | 0.00 | 0.75 | 0.95 | 2.26 | 0.86 | 3.16 | 1.87 | 0.00 | 0.02 | 0.00 | 0.00 | 9.99 |
| 1999-00 | 0.02 | 0.00 | 0.72 | 0.00 | 1.43 | 8.66 | 2.74 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | 17.47 |
| 2000-01 | 0.00 | 2.18 | 0.00 | 0.08 | 6.30 | 5.24 | 4.73 | 1.67 | 0.18 | 0.02 | 0.03 | 0.00 | 20.43 |
| 2001-02 | 0.04 | 0.49 | 3.75 | 1.78 | 0.59 | 0.31 | 0.37 | 0.11 | 0.14 | 0.01 | 0.05 | 0.02 | 7.66 |
| 2002-03 | 0.20 | 0.01 | 5.88 | 4.59 | 0.09 | 2.91 | 4.46 | 1.90 | 1.72 | 0.19 | 0.02 | 0.00 | 21.97 |
| 2003-04 | 0.04 | 0.09 | 1.31 | 1.89 | 0.42 | 5.18 | 0.57 | 0.01 | 0.02 | 0.01 | 0.03 | 0.00 | 9.57 |
| 2004-05 | 0.00 | 4.46 | 0.10 | 8.62 | 11.20 | 7.41 | 3.96 | 0.74 | 1.01 | 0.02 | 0.00 | 0.04 | 37.56 |
| 2005-06 | 0.20 | 1.08 | 0.82 | 0.72 | 2.82 | 2.88 | 3.26 | 5.88 | 0.90 | 0.00 | 0.00 | 0.02 | 18.58 |
| 2006-07 | 0.01 | 0.09 | 0.26 | 0.72 | 3.24 | 1.86 | 0.18 | 0.70 | 0.00 | 0.02 | 0.01 | 0.02 | 7.11 |
| 2007-08 | 0.28 | 0.28 | 0.02 | 3.06 | 12.00 | 1.75 | 0.00 | 0.08 | 0.04 | 0.00 | 0.00 | 0.00 | 17.51 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 208** **Station Type: Alert, Data Logger w/TB** **Latitude: 342353** **Longitude: 1193106**

**Station Name: Carpinteria Fire Station** **Elevation (ft): 32** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008-09 | 0.03 | 0.06 | 2.71 | 2.55 | 0.63 | 6.18 | 0.78 | 0.15 | 0.03 | 0.07 | 0.00 | 0.00 | 13.19 |
| 2009-10 | 0.06 | 3.61 | 0.01 | 2.86 | 6.14 | 3.86 | 0.56 | 2.45 | 0.15 | 0.03 | 0.02 | 0.00 | 19.75 |
| 2010-11 | 0.01 | 2.45 | 1.00 | 9.66 | 0.59 | 4.06 | 6.20 | 0.05 | 0.48 | 0.36 | 0.00 | 0.03 | 24.89 |
| 2011-12 | 0.09 | 1.06 | 1.35 | 0.32 | 1.59 | 0.06 | 2.32 | 2.93 | 0.06 | 0.02 | 0.02 | 0.01 | 9.83 |
| 2012-13 | 0.06 | 0.04 | 2.27 | 3.05 | 1.32 | 0.18 | 0.75 | 0.26 | 0.29 | 0.09 | 0.02 | 0.00 | 8.33 |
| 2013-14 | 0.01 | 0.02 | 0.62 | 0.30 | 0.00 | 2.54 | 1.68 | 0.48 | 0.09 | 0.04 | 0.00 | 0.05 | 5.83 |
| 2014-15 | 0.00 | 0.00 | 0.78 | 3.62 | 1.69 | 0.47 | 0.45 | 0.24 | 0.16 | 0.75 | 0.32 | 0.00 | 8.48 |
| 2015-16 | 0.16 | 0.48 | 0.10 | 0.30 | 4.60 | 1.14 | 3.02 | 0.26 | 0.02 | 0.03 | 0.00 | 0.00 | 10.11 |
| Total | 19.03 | 39.22 | 117.82 | 176.58 | 255.34 | 257.42 | 195.37 | 87.93 | 24.26 | 5.89 | 1.16 | 3.65 | 1183.67 |
| N | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| Mean | 0.28 | 0.58 | 1.73 | 2.60 | 3.75 | 3.79 | 2.87 | 1.29 | 0.36 | 0.09 | 0.02 | 0.05 | 17.41 |
| Max | 5.65 | 4.46 | 9.81 | 9.66 | 19.08 | 20.97 | 13.30 | 7.44 | 3.92 | 1.02 | 0.42 | 1.65 | 45.83 |
| StdDev | 0.77 | 0.96 | 1.89 | 2.44 | 3.88 | 4.04 | 2.82 | 1.53 | 0.74 | 0.19 | 0.06 | 0.22 | 8.88 |
| CV | 2.74 | 1.66 | 1.09 | 0.94 | 1.03 | 1.07 | 0.98 | 1.18 | 2.07 | 2.22 | 3.76 | 4.11 | 0.51 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.37 | 1.32 | 2.25 | 2.91 | 3.11 | 2.42 | 0.91 | 0.12 | 0.00 | 0.00 | 0.00 | 16.03 |
| 5 | 0.47 | 1.05 | 3.00 | 4.25 | 6.05 | 6.60 | 4.75 | 2.24 | 0.67 | 0.16 | 0.03 | 0.07 | 23.15 |
| 10 | 1.06 | 1.55 | 4.12 | 5.52 | 8.25 | 8.81 | 6.22 | 3.19 | 1.15 | 0.36 | 0.08 | 0.24 | 27.67 |
| 25 | 1.97 | 2.19 | 5.53 | 7.05 | 11.05 | 11.51 | 8.02 | 4.42 | 1.84 | 0.66 | 0.16 | 0.53 | 33.18 |
| 50 | 2.72 | 2.68 | 6.55 | 8.14 | 13.15 | 13.49 | 9.35 | 5.33 | 2.37 | 0.90 | 0.23 | 0.78 | 37.24 |
| 100 | 3.51 | 3.16 | 7.57 | 9.18 | 15.21 | 15.37 | 10.60 | 6.23 | 2.92 | 1.16 | 0.31 | 1.05 | 41.07 |
| 200 | 4.34 | 3.64 | 8.57 | 10.21 | 17.24 | 17.20 | 11.82 | 7.13 | 3.48 | 1.42 | 0.39 | 1.34 | 44.83 |
| 500 | 5.99 | 4.45 | 10.14 | 11.69 | 20.58 | 19.90 | 13.62 | 8.63 | 4.44 | 1.95 | 0.55 | 1.95 | 50.34 |
| 1000 | 6.31 | 4.74 | 10.83 | 12.48 | 21.90 | 21.29 | 14.55 | 9.20 | 4.79 | 2.06 | 0.58 | 2.04 | 53.17 |
| 10000 | 9.26 | 6.31 | 13.99 | 15.60 | 28.49 | 26.98 | 18.35 | 12.12 | 6.71 | 3.00 | 0.87 | 3.10 | 64.82 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 436** **Station Type: Alert, Data Logger w/TB** **Latitude: 345644 Longitude: 1194057**

**Station Name: Cuyama Fire Station #41** **Elevation (ft): 2275** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1954-55 | 0.00 | 0.00 | 0.46 | 1.12 | 2.54 | 0.42 | 0.13 | 0.65 | 0.44 | 0.00 | 0.00 | 0.00 | 5.76 |
| 1955-56 | 0.00 | 0.00 | 0.77 | 1.77 | 1.91 | 0.34 | 0.02 | 0.50 | 0.41 | 0.00 | 0.00 | 0.00 | 5.72 |
| 1956-57 | 0.00 | 1.29 | 0.00 | 0.13 | 1.98 | 1.03 | 0.72 | 0.51 | 0.43 | 0.40 | 0.00 | 0.00 | 6.49 |
| 1957-58 | 0.00 | 0.87 | 0.31 | 1.20 | 0.73 | 2.76 | 2.86 | 3.63 | 0.64 | 0.00 | 0.00 | 0.62 | 13.62 |
| 1958-59 | 1.43 | 0.00 | 0.25 | 0.03 | 1.03 | 2.32 | 0.00 | 0.64 | 0.00 | 0.00 | 0.02 | 0.00 | 5.72 |
| 1959-60 | 0.28 | 0.00 | 0.00 | 0.13 | 1.32 | 1.65 | 0.72 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 |
| 1960-61 | 0.00 | 0.17 | 2.45 | 0.17 | 0.24 | 0.42 | 0.46 | 0.08 | 0.07 | 0.00 | 0.05 | 0.03 | 4.14 |
| 1961-62 | 0.00 | 0.00 | 1.26 | 0.82 | 1.10 | 7.67 | 1.58 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 12.50 |
| 1962-63 | 0.00 | 0.20 | 0.00 | 0.00 | 0.18 | 2.16 | 1.37 | 1.11 | 0.46 | 2.27 | 0.00 | 0.00 | 7.75 |
| 1963-64 | 0.70 | 1.06 | 0.85 | 0.06 | 1.09 | 0.12 | 0.72 | 0.39 | 0.47 | 0.00 | 0.00 | 0.00 | 5.46 |
| 1964-65 | 0.25 | 0.75 | 0.88 | 1.24 | 0.52 | 0.30 | 0.64 | 2.95 | 0.00 | 0.00 | 0.00 | 0.06 | 7.59 |
| 1965-66 | 0.20 | 0.00 | 2.21 | 2.19 | 0.89 | 1.22 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.92 |
| 1966-67 | 0.34 | 0.00 | 1.61 | 3.70 | 1.31 | 0.21 | 0.72 | 3.78 | 0.09 | 0.06 | 0.07 | 0.03 | 11.92 |
| 1967-68 | 1.08 | 0.00 | 2.32 | 0.70 | 0.39 | 0.75 | 1.43 | 0.45 | 0.02 | 0.00 | 0.00 | 0.02 | 7.16 |
| 1968-69 | 0.00 | 1.54 | 0.48 | 0.85 | 5.19 | 5.67 | 0.44 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 15.56 |
| 1969-70 | 0.02 | 0.00 | 0.45 | 0.13 | 0.97 | 0.91 | 1.40 | 0.10 | 0.55 | 0.00 | 0.05 | 0.00 | 4.58 |
| 1970-71 | 0.00 | 0.00 | 1.87 | 1.22 | 0.45 | 0.32 | 0.00 | 0.34 | 0.56 | 0.00 | 0.00 | 0.00 | 4.76 |
| 1971-72 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 1.70 | 4.56 |
| 1972-73 | 0.00 | 1.27 | 1.73 | 0.50 | 2.51 | 1.60 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.61 |
| 1973-74 | 0.00 | 0.23 | 1.17 | 0.47 | 2.46 | 0.00 | 1.99 | 0.64 | 0.17 | 0.00 | 0.20 | 0.00 | 7.33 |
| 1974-75 | 0.00 | 1.44 | 0.11 | 1.27 | 0.05 | 1.87 | 0.82 | 0.26 | 0.00 | 0.00 | 0.00 | 0.19 | 6.01 |
| 1975-76 | 0.03 | 0.18 | 0.23 | 0.06 | 0.00 | 2.58 | 0.40 | 0.70 | 0.13 | 0.05 | 0.00 | 0.09 | 4.45 |
| 1976-77 | 3.10 | 0.14 | 0.36 | 0.13 | 1.81 | 0.03 | 0.80 | 0.00 | 1.41 | 0.00 | 0.00 | 0.70 | 8.48 |
| 1977-78 | 0.00 | 0.00 | 0.05 | 2.66 | 2.26 | 6.29 | 4.42 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 16.89 |
| 1978-79 | 1.94 | 0.00 | 0.70 | 0.87 | 2.06 | 3.05 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.37 |
| 1979-80 | 0.30 | 0.34 | 0.37 | 0.62 | 2.04 | 3.03 | 1.28 | 0.97 | 0.20 | 0.00 | 0.05 | 0.00 | 9.20 |
| 1980-81 | 0.00 | 0.62 | 0.00 | 0.45 | 1.60 | 0.99 | 3.13 | 0.19 | 0.06 | 0.00 | 0.00 | 0.00 | 7.04 |
| 1981-82 | 0.00 | 0.66 | 0.33 | 0.04 | 2.01 | 0.80 | 3.92 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 9.91 |
| 1982-83 | 0.68 | 0.75 | 2.17 | 0.77 | 2.90 | 2.57 | 3.00 | 0.73 | 0.43 | 0.00 | 0.00 | 0.78 | 14.78 |
| 1983-84 | 0.18 | 0.59 | 1.55 | 1.38 | 0.13 | 0.02 | 0.32 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 |
| 1984-85 | 0.47 | 0.00 | 1.41 | 2.46 | 0.83 | 0.46 | 0.56 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 6.22 |
| 1985-86 | 0.60 | 0.17 | 1.39 | 0.62 | 0.93 | 2.04 | 1.99 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 8.11 |
| 1986-87 | 0.23 | 0.10 | 0.56 | 0.46 | 1.35 | 0.36 | 0.51 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 4.42 |
| 1987-88 | 0.00 | 1.32 | 2.32 | 1.04 | 1.35 | 0.28 | 0.45 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 8.27 |
| 1988-89 | 0.00 | 0.00 | 0.16 | 1.93 | 0.23 | 0.59 | 0.27 | 0.08 | 0.38 | 0.00 | 0.00 | 0.00 | 3.64 |
| 1989-90 | 0.26 | 0.00 | 0.04 | 0.00 | 0.68 | 0.70 | 0.12 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.98 |
| 1990-91 | 2.46 | 0.00 | 0.53 | 0.10 | 0.71 | 0.47 | 7.12 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 11.49 |
| 1991-92 | 0.00 | 0.14 | 0.00 | 1.54 | 1.59 | 2.69 | 1.74 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 9.43 |
| 1992-93 | 0.00 | 0.45 | 0.00 | 1.27 | 3.47 | 2.52 | 2.11 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 9.85 |
| 1993-94 | 0.00 | 0.30 | 0.49 | 0.76 | 0.76 | 2.17 | 1.09 | 0.28 | 1.03 | 0.00 | 0.00 | 0.00 | 6.88 |
| 1994-95 | 0.42 | 0.05 | 1.01 | 1.22 | 6.33 | 0.83 | 4.45 | 0.26 | 0.51 | 0.20 | 0.00 | 0.00 | 15.28 |
| 1995-96 | 0.00 | 0.00 | 0.16 | 0.63 | 0.97 | 4.95 | 0.59 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 7.43 |
| 1996-97 | 0.02 | 0.86 | 1.63 | 1.23 | 2.71 | 0.21 | 0.00 | 0.10 | 0.00 | 0.00 | 0.05 | 0.00 | 6.81 |
| 1997-98 | 0.27 | 0.00 | 1.58 | 2.62 | 1.51 | 8.38 | 2.49 | 0.98 | 1.95 | 0.00 | 0.00 | 0.00 | 19.78 |
| 1998-99 | 0.74 | 0.43 | 0.75 | 0.92 | 1.95 | 0.47 | 1.76 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 7.57 |
| 1999-00 | 0.33 | 0.00 | 0.32 | 0.06 | 0.66 | 2.31 | 0.91 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 5.84 |
| 2000-01 | 0.00 | 0.30 | 0.00 | 0.07 | 2.76 | 3.17 | 3.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 10.11 |
| 2001-02 | 0.00 | 0.24 | 1.01 | 0.86 | 0.26 | 0.00 | 0.20 | 0.43 | 0.10 | 0.00 | 0.00 | 0.00 | 3.10 |
| 2002-03 | 0.12 | 0.00 | 0.71 | 2.03 | 0.00 | 2.10 | 1.49 | 0.52 | 0.55 | 0.00 | 0.00 | 0.55 | 8.07 |
| 2003-04 | 0.00 | 0.00 | 0.27 | 0.80 | 0.37 | 2.11 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 |
| 2004-05 | 0.00 | 1.31 | 0.00 | 1.34 | 2.47 | 1.91 | 1.61 | 0.16 | 0.68 | 0.00 | 0.00 | 0.00 | 9.48 |
| 2005-06 | 0.00 | 1.10 | 0.00 | 0.75 | 2.27 | 0.60 | 1.33 | 2.06 | 0.12 | 0.00 | 0.15 | 0.00 | 8.38 |
| 2006-07 | 0.00 | 0.42 | 0.16 | 0.42 | 0.50 | 1.56 | 0.03 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 |
| 2007-08 | 0.08 | 0.21 | 0.41 | 0.48 | 3.61 | 0.35 | 0.00 | 0.07 | 0.04 | 0.00 | 0.00 | 0.00 | 5.25 |
| 2008-09 | 0.00 | 0.03 | 1.17 | 0.86 | 0.27 | 2.03 | 0.43 | 0.47 | 0.06 | 0.01 | 0.00 | 0.07 | 5.40 |
| 2009-10 | 0.03 | 0.09 | 0.09 | 1.34 | 2.99 | 1.90 | 0.33 | 1.04 | 0.06 | 0.00 | 0.01 | 0.00 | 7.88 |
| 2010-11 | 0.00 | 1.55 | 0.42 | 4.81 | 0.36 | 0.65 | 2.26 | 0.27 | 0.26 | 0.10 | 0.04 | 0.01 | 10.73 |
| 2011-12 | 0.17 | 0.14 | 1.21 | 0.18 | 0.54 | 0.32 | 1.29 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 |
| 2012-13 | 0.06 | 0.08 | 0.06 | 1.01 | 0.47 | 0.35 | 0.28 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 |
| 2013-14 | 0.00 | 0.03 | 0.21 | 0.09 | 0.00 | 0.42 | 0.56 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 | 1.74 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 436** **Station Type: Alert, Data Logger w/TB** **Latitude: 345644 Longitude: 1194057**

**Station Name: Cuyama Fire Station #41** **Elevation (ft): 2275** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2014-15 | 0.00 | 0.00 | 0.64 | 2.04 | 0.74 | 0.36 | 0.19 | 0.01 | 0.28 | 0.52 | 0.51 | 0.00 | 5.29 |
| 2015-16 | 0.16 | 0.83 | 0.46 | 0.66 | 1.97 | 0.76 | 1.05 | 0.87 | 0.82 | 0.00 | 0.00 | 0.00 | 7.58 |
| Total | 16.95 | 22.25 | 44.11 | 61.73 | 87.28 | 99.22 | 78.61 | 38.31 | 13.76 | 4.80 | 2.93 | 4.85 | 474.80 |
| N | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| Mean | 0.27 | 0.36 | 0.71 | 1.00 | 1.41 | 1.60 | 1.27 | 0.62 | 0.22 | 0.08 | 0.05 | 0.08 | 7.66 |
| Max | 3.10 | 1.55 | 2.45 | 4.81 | 6.33 | 8.38 | 7.12 | 3.78 | 1.95 | 2.27 | 1.73 | 1.70 | 19.78 |
| StdDev | 0.58 | 0.47 | 0.70 | 0.93 | 1.24 | 1.78 | 1.34 | 0.81 | 0.36 | 0.31 | 0.23 | 0.26 | 3.70 |
| CV | 2.13 | 1.31 | 0.98 | 0.93 | 0.88 | 1.11 | 1.06 | 1.32 | 1.64 | 4.05 | 4.80 | 3.39 | 0.48 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.23 | 0.54 | 0.86 | 1.09 | 1.32 | 1.07 | 0.43 | 0.07 | 0.00 | 0.00 | 0.00 | 7.05 |
| 5 | 0.46 | 0.65 | 1.23 | 1.63 | 2.27 | 2.79 | 2.10 | 1.07 | 0.42 | 0.15 | 0.07 | 0.11 | 10.19 |
| 10 | 1.04 | 0.97 | 1.69 | 2.12 | 3.09 | 3.72 | 2.75 | 1.52 | 0.72 | 0.32 | 0.21 | 0.35 | 12.17 |
| 25 | 1.92 | 1.36 | 2.27 | 2.70 | 4.14 | 4.86 | 3.54 | 2.11 | 1.14 | 0.59 | 0.44 | 0.77 | 14.60 |
| 50 | 2.66 | 1.67 | 2.69 | 3.12 | 4.93 | 5.70 | 4.12 | 2.55 | 1.48 | 0.81 | 0.64 | 1.14 | 16.39 |
| 100 | 3.43 | 1.97 | 3.11 | 3.52 | 5.70 | 6.50 | 4.68 | 2.98 | 1.82 | 1.04 | 0.85 | 1.53 | 18.07 |
| 200 | 4.24 | 2.27 | 3.52 | 3.91 | 6.46 | 7.27 | 5.22 | 3.41 | 2.16 | 1.27 | 1.07 | 1.95 | 19.72 |
| 500 | 5.86 | 2.77 | 4.16 | 4.48 | 7.72 | 8.41 | 6.01 | 4.12 | 2.76 | 1.75 | 1.53 | 2.84 | 22.15 |
| 1000 | 6.16 | 2.95 | 4.45 | 4.78 | 8.21 | 9.00 | 6.42 | 4.40 | 2.98 | 1.84 | 1.60 | 2.98 | 23.39 |
| 10000 | 9.04 | 3.93 | 5.75 | 5.98 | 10.68 | 11.41 | 8.10 | 5.79 | 4.17 | 2.68 | 2.41 | 4.52 | 28.52 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 421** **Station Type: Alert, Data Logger w/TB** **Latitude: 344405 Longitude: 1200025**

**Station Name: Figueroa Mountain** **Elevation (ft): 3250** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1960-61 | 0.00 | 0.14 | 6.78 | 1.39 | 2.34 | 0.46 | 1.30 | 0.60 | 0.63 | 0.00 | 0.00 | 0.00 | 13.64 |
| 1961-62 | 0.08 | 0.00 | 3.24 | 2.71 | 2.84 | 13.77 | 1.76 | 0.00 | 0.17 | 0.07 | 0.00 | 0.00 | 24.64 |
| 1962-63 | 0.00 | 0.53 | 0.06 | 0.09 | 1.52 | 6.61 | 2.95 | 3.11 | 0.21 | 0.29 | 0.00 | 0.08 | 15.45 |
| 1963-64 | 1.69 | 1.47 | 3.26 | 0.13 | 2.64 | 0.10 | 3.54 | 2.81 | 0.22 | 0.34 | 0.08 | 0.00 | 16.28 |
| 1964-65 | 0.00 | 2.25 | 4.62 | 3.50 | 0.75 | 0.22 | 1.90 | 6.59 | 0.00 | 0.00 | 0.02 | 0.00 | 19.85 |
| 1965-66 | 0.79 | 0.00 | 9.72 | 5.07 | 1.60 | 1.20 | 0.20 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 18.98 |
| 1966-67 | 0.20 | 0.10 | 4.68 | 7.95 | 5.05 | 0.47 | 6.14 | 8.85 | 0.20 | 0.30 | 0.00 | 0.00 | 33.94 |
| 1967-68 | 0.34 | 0.00 | 4.57 | 1.49 | 1.54 | 1.38 | 4.17 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 14.86 |
| 1968-69 | 0.00 | 2.25 | 1.33 | 3.29 | 18.90 | 11.50 | 2.20 | 1.10 | 0.00 | 0.00 | 0.10 | 0.00 | 40.67 |
| 1969-70 | 0.16 | 0.45 | 1.18 | 0.78 | 4.60 | 2.22 | 5.51 | 0.20 | 0.00 | 0.10 | 0.00 | 0.00 | 15.20 |
| 1970-71 | 0.00 | 0.16 | 6.15 | 6.21 | 1.04 | 0.63 | 1.10 | 1.53 | 1.79 | 0.00 | 0.00 | 0.00 | 18.61 |
| 1971-72 | 0.05 | 0.37 | 0.68 | 6.80 | 0.28 | 0.69 | 0.00 | 0.38 | 0.06 | 0.03 | 0.07 | 0.00 | 9.41 |
| 1972-73 | 0.00 | 0.72 | 5.74 | 1.76 | 5.41 | 9.61 | 4.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 27.48 |
| 1973-74 | 0.22 | 0.74 | 3.91 | 3.02 | 7.19 | 0.11 | 4.32 | 2.29 | 0.22 | 0.00 | 0.00 | 0.00 | 22.02 |
| 1974-75 | 0.00 | 1.91 | 0.60 | 5.35 | 0.15 | 4.94 | 6.40 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 20.81 |
| 1975-76 | 0.00 | 1.10 | 0.47 | 0.20 | 0.00 | 6.63 | 2.76 | 2.32 | 0.00 | 0.15 | 0.00 | 0.79 | 14.42 |
| 1976-77 | 5.06 | 0.73 | 0.70 | 0.99 | 3.39 | 0.15 | 2.41 | 0.03 | 3.61 | 0.00 | 0.00 | 0.02 | 17.09 |
| 1977-78 | 0.03 | 0.03 | 0.30 | 5.45 | 7.20 | 12.00 | 11.34 | 3.56 | 0.03 | 0.00 | 0.00 | 0.00 | 39.94 |
| 1978-79 | 2.78 | 0.00 | 3.60 | 1.90 | 5.50 | 5.40 | 5.70 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 24.95 |
| 1979-80 | 0.40 | 0.70 | 1.60 | 1.70 | 9.20 | 12.00 | 3.80 | 1.70 | 0.50 | 0.00 | 0.00 | 0.00 | 31.60 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.20 | 5.60 | 3.50 | 8.50 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 20.60 |
| 1981-82 | 0.00 | 0.95 | 2.09 | 1.72 | 4.01 | 1.10 | 7.90 | 4.48 | 0.00 | 0.24 | 0.00 | 0.00 | 22.49 |
| 1982-83 | 1.16 | 1.83 | 7.17 | 4.31 | 10.00 | 7.60 | 13.65 | 5.33 | 0.58 | 0.00 | 0.00 | 0.47 | 52.10 |
| 1983-84 | 1.40 | 2.12 | 5.40 | 5.04 | 0.20 | 0.20 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 15.78 |
| 1984-85 | 0.40 | 1.20 | 3.90 | 4.60 | 0.69 | 2.25 | 3.21 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 16.75 |
| 1985-86 | 0.00 | 0.70 | 4.61 | 0.68 | 1.40 | 6.90 | 5.68 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 20.27 |
| 1986-87 | 1.65 | 0.00 | 1.06 | 1.00 | 2.40 | 3.20 | 4.70 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 14.31 |
| 1987-88 | 0.00 | 2.00 | 1.65 | 2.75 | 3.25 | 2.95 | 0.71 | 3.83 | 0.16 | 0.30 | 0.00 | 0.00 | 17.60 |
| 1988-89 | 0.00 | 0.00 | 1.47 | 5.26 | 0.40 | 1.97 | 1.30 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 10.99 |
| 1989-90 | 0.63 | 0.44 | 0.59 | 0.00 | 4.03 | 2.05 | 0.24 | 0.16 | 1.08 | 0.00 | 0.00 | 0.00 | 9.22 |
| 1990-91 | 0.20 | 0.10 | 0.40 | 0.50 | 2.00 | 4.00 | 12.20 | 0.20 | 0.00 | 0.20 | 0.00 | 0.00 | 19.80 |
| 1991-92 | 0.00 | 1.00 | 0.40 | 5.80 | 3.70 | 11.60 | 5.20 | 0.00 | 0.20 | 0.00 | 0.70 | 0.00 | 28.60 |
| 1992-93 | 0.00 | 2.40 | 0.00 | 7.70 | 10.60 | 9.30 | 6.90 | 0.10 | 0.00 | 0.70 | 0.00 | 0.00 | 37.70 |
| 1993-94 | 0.00 | 0.16 | 1.72 | 2.10 | 1.90 | 5.70 | 2.90 | 1.30 | 2.40 | 0.00 | 0.00 | 0.00 | 18.18 |
| 1994-95 | 0.00 | 0.70 | 2.00 | 1.60 | 20.00 | 3.20 | 12.20 | 0.60 | 1.80 | 0.80 | 0.00 | 0.00 | 42.90 |
| 1995-96 | 0.00 | 0.00 | 0.20 | 1.80 | 3.90 | 11.90 | 3.10 | 1.70 | 0.80 | 0.10 | 0.00 | 0.00 | 23.50 |
| 1996-97 | 0.00 | 2.40 | 3.51 | 6.31 | 6.76 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 19.50 |
| 1997-98 | 0.00 | 0.00 | 5.00 | 5.16 | 5.95 | 17.30 | 5.55 | 3.20 | 3.70 | 0.00 | 0.00 | 0.00 | 45.86 |
| 1998-99 | 0.95 | 0.16 | 1.38 | 1.39 | 3.27 | 2.29 | 5.32 | 2.33 | 0.00 | 0.08 | 0.47 | 0.12 | 17.76 |
| 1999-00 | 0.00 | 0.00 | 1.66 | 0.00 | 2.09 | 8.95 | 1.57 | 3.31 | 0.00 | 0.04 | 0.00 | 0.00 | 17.62 |
| 2000-01 | 0.00 | 3.38 | 0.00 | 0.08 | 6.30 | 4.18 | 5.12 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 21.55 |
| 2001-02 | 0.00 | 1.11 | 3.39 | 1.89 | 0.83 | 0.28 | 1.57 | 0.16 | 0.32 | 0.00 | 0.00 | 0.00 | 9.55 |
| 2002-03 | 0.00 | 0.00 | 5.32 | 5.80 | 0.08 | 3.06 | 1.89 | 1.82 | 2.04 | 0.00 | 0.00 | 0.00 | 20.01 |
| 2003-04 | 0.00 | 0.00 | 2.41 | 1.98 | 0.75 | 4.97 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.66 |
| 2004-05 | 0.00 | 6.38 | 0.79 | 6.78 | 10.05 | 6.22 | 3.20 | 0.67 | 2.13 | 0.00 | 0.00 | 0.00 | 36.22 |
| 2005-06 | 0.00 | 0.47 | 1.81 | 1.06 | 4.25 | 2.05 | 5.18 | 7.22 | 1.18 | 0.00 | 0.00 | 0.00 | 23.22 |
| 2006-07 | 0.00 | 0.98 | 0.28 | 0.83 | 1.10 | 3.94 | 0.91 | 0.63 | 0.00 | 0.00 | 0.00 | 0.04 | 8.70 |
| 2007-08 | 0.59 | 0.75 | 0.12 | 3.70 | 11.42 | 3.43 | 0.16 | 0.08 | 0.20 | 0.00 | 0.00 | 0.00 | 20.43 |
| 2008-09 | 0.00 | 0.12 | 2.41 | 1.87 | 0.89 | 4.06 | 1.34 | 0.18 | 0.06 | 0.07 | 0.00 | 0.06 | 11.06 |
| 2009-10 | 0.06 | 1.88 | 0.00 | 3.96 | 6.80 | 5.18 | 0.63 | 3.77 | 0.25 | 0.00 | 0.00 | 0.00 | 22.53 |
| 2010-11 | 0.00 | 2.31 | 2.61 | 13.18 | 1.55 | 4.35 | 6.96 | 0.46 | 1.01 | 0.58 | 0.00 | 0.00 | 33.01 |
| 2011-12 | 0.13 | 0.99 | 2.62 | 0.39 | 2.59 | 0.56 | 3.71 | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | 15.32 |
| 2012-13 | 0.03 | 0.61 | 1.02 | 6.14 | 3.68 | 0.76 | 1.10 | 0.09 | 0.06 | 0.00 | 0.01 | 0.00 | 13.50 |
| 2013-14 | 0.00 | 0.46 | 1.35 | 0.51 | 0.04 | 2.06 | 3.67 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 9.07 |
| 2014-15 | 0.00 | 0.00 | 1.52 | 5.22 | 1.04 | 1.64 | 0.50 | 0.83 | 0.62 | 0.30 | 0.01 | 0.00 | 11.68 |
| 2015-16 | 0.38 | 0.15 | 0.68 | 1.44 | 5.82 | 2.24 | 4.10 | 1.36 | 1.72 | 0.00 | 0.00 | 0.00 | 17.89 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 421** **Station Type: Alert, Data Logger w/TB** **Latitude: 344405 Longitude: 1200025**

**Station Name: Figueroa Mountain** **Elevation (ft): 3250** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 19.38 | 49.40 | 133.72 | 173.53 | 230.48 | 245.50 | 214.07 | 93.55 | 28.35 | 4.69 | 1.50 | 1.60 | 1195.77 |
| N | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Mean | 0.35 | 0.88 | 2.39 | 3.10 | 4.12 | 4.38 | 3.82 | 1.67 | 0.51 | 0.08 | 0.03 | 0.03 | 21.35 |
| Max | 5.06 | 6.38 | 9.72 | 13.18 | 20.00 | 17.30 | 13.65 | 8.85 | 3.70 | 0.80 | 0.70 | 0.79 | 52.10 |
| StdDev | 0.83 | 1.12 | 2.17 | 2.64 | 4.16 | 4.08 | 3.21 | 1.96 | 0.87 | 0.17 | 0.11 | 0.12 | 9.87 |
| CV | 2.40 | 1.27 | 0.91 | 0.85 | 1.01 | 0.93 | 0.84 | 1.17 | 1.72 | 2.08 | 4.16 | 4.25 | 0.46 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.57 | 1.82 | 2.68 | 3.19 | 3.60 | 3.22 | 1.17 | 0.16 | 0.00 | 0.00 | 0.00 | 19.66 |
| 5 | 0.59 | 1.60 | 4.13 | 5.08 | 6.63 | 7.64 | 6.32 | 2.89 | 0.95 | 0.16 | 0.04 | 0.04 | 28.40 |
| 10 | 1.31 | 2.37 | 5.68 | 6.59 | 9.04 | 10.20 | 8.28 | 4.12 | 1.64 | 0.35 | 0.12 | 0.13 | 33.94 |
| 25 | 2.43 | 3.36 | 7.63 | 8.41 | 12.12 | 13.32 | 10.67 | 5.71 | 2.61 | 0.63 | 0.25 | 0.28 | 40.71 |
| 50 | 3.37 | 4.10 | 9.03 | 9.71 | 14.41 | 15.62 | 12.44 | 6.88 | 3.37 | 0.87 | 0.36 | 0.41 | 45.69 |
| 100 | 4.34 | 4.83 | 10.43 | 10.96 | 16.67 | 17.79 | 14.10 | 8.05 | 4.15 | 1.12 | 0.48 | 0.56 | 50.38 |
| 200 | 5.36 | 5.57 | 11.81 | 12.18 | 18.90 | 19.92 | 15.73 | 9.22 | 4.93 | 1.38 | 0.61 | 0.71 | 54.99 |
| 500 | 7.41 | 6.80 | 13.97 | 13.95 | 22.56 | 23.05 | 18.12 | 11.15 | 6.30 | 1.89 | 0.87 | 1.04 | 61.75 |
| 1000 | 7.80 | 7.25 | 14.93 | 14.89 | 24.01 | 24.65 | 19.35 | 11.89 | 6.80 | 1.99 | 0.91 | 1.09 | 65.23 |
| 10000 | 11.45 | 9.66 | 19.29 | 18.61 | 31.23 | 31.25 | 24.41 | 15.65 | 9.52 | 2.90 | 1.36 | 1.65 | 79.51 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 230** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 343124 Longitude: 1194055**

**Station Name: Gibraltar Dam** **Elevation (ft): 1500** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1919-20 | 0.90 | 0.30 | 0.00 | 4.50 | 0.46 | 7.74 | 6.56 | 1.20 | 0.00 | 0.05 | 0.00 | 0.00 | 21.71 |
| 1920-21 | 0.00 | 0.70 | 1.92 | 1.59 | 8.88 | 2.65 | 2.66 | 0.35 | 3.57 | 0.00 | 0.00 | 0.00 | 22.32 |
| 1921-22 | 0.29 | 0.50 | 0.07 | 17.21 | 7.66 | 8.98 | 6.02 | 0.45 | 0.57 | 0.00 | 0.00 | 0.00 | 41.75 |
| 1922-23 | 0.00 | 0.44 | 3.43 | 10.25 | 3.37 | 1.68 | 0.09 | 2.98 | 0.00 | 0.12 | 0.00 | 0.00 | 22.36 |
| 1923-24 | 0.00 | 1.10 | 0.10 | 0.27 | 1.00 | 0.10 | 6.95 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 10.40 |
| 1924-25 | 0.00 | 0.73 | 0.96 | 1.78 | 0.40 | 1.67 | 5.82 | 3.50 | 2.42 | 0.13 | 0.00 | 0.00 | 17.41 |
| 1925-26 | 0.00 | 1.17 | 1.13 | 2.18 | 3.67 | 6.79 | 0.10 | 12.10 | 0.00 | 0.00 | 0.00 | 0.00 | 27.14 |
| 1926-27 | 0.00 | 0.02 | 7.90 | 0.95 | 2.02 | 13.47 | 2.79 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 28.26 |
| 1927-28 | 0.00 | 4.13 | 1.15 | 4.33 | 0.10 | 5.83 | 3.81 | 0.28 | 0.44 | 0.00 | 0.00 | 0.00 | 20.07 |
| 1928-29 | 0.00 | 0.00 | 3.93 | 6.26 | 2.14 | 2.28 | 2.81 | 2.00 | 0.00 | 0.20 | 0.00 | 0.00 | 19.62 |
| 1929-30 | 0.03 | 0.00 | 0.00 | 0.00 | 7.24 | 0.91 | 8.27 | 0.31 | 1.19 | 0.10 | 0.00 | 0.00 | 18.05 |
| 1930-31 | 0.00 | 0.00 | 2.49 | 0.00 | 5.03 | 3.44 | 0.00 | 2.82 | 2.91 | 0.00 | 0.00 | 0.65 | 17.34 |
| 1931-32 | 0.00 | 0.00 | 5.42 | 11.28 | 4.94 | 10.80 | 0.11 | 0.30 | 0.43 | 0.00 | 0.00 | 0.00 | 33.28 |
| 1932-33 | 0.00 | 0.16 | 0.00 | 0.81 | 14.39 | 0.00 | 0.26 | 0.09 | 0.00 | 0.72 | 0.00 | 0.00 | 16.43 |
| 1933-34 | 0.00 | 0.48 | 0.00 | 8.96 | 4.67 | 4.09 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 19.72 |
| 1934-35 | 0.00 | 2.71 | 2.85 | 5.26 | 7.83 | 1.18 | 5.09 | 4.54 | 0.07 | 0.00 | 0.00 | 0.17 | 29.70 |
| 1935-36 | 0.00 | 0.44 | 0.77 | 1.98 | 0.35 | 14.02 | 2.79 | 1.03 | 0.00 | 0.00 | 0.00 | 0.25 | 21.63 |
| 1936-37 | 0.00 | 0.62 | 0.00 | 13.67 | 5.00 | 7.58 | 9.17 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 36.14 |
| 1937-38 | 0.00 | 0.17 | 0.04 | 5.20 | 2.32 | 15.62 | 15.99 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 40.93 |
| 1938-39 | 0.37 | 0.22 | 0.12 | 7.10 | 4.73 | 1.93 | 5.65 | 0.06 | 0.27 | 0.00 | 0.00 | 0.00 | 20.45 |
| 1939-40 | 0.68 | 0.11 | 0.17 | 2.36 | 7.03 | 5.52 | 1.51 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 | 18.81 |
| 1940-41 | 0.00 | 0.88 | 0.44 | 11.16 | 9.31 | 18.62 | 17.97 | 8.26 | 0.07 | 0.00 | 0.00 | 0.00 | 66.71 |
| 1941-42 | 0.00 | 1.11 | 0.75 | 7.96 | 1.55 | 1.01 | 2.27 | 4.22 | 0.03 | 0.00 | 0.00 | 0.05 | 18.95 |
| 1942-43 | 0.00 | 0.92 | 0.30 | 1.56 | 21.90 | 6.72 | 5.03 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 37.49 |
| 1943-44 | 0.00 | 0.57 | 0.19 | 6.76 | 2.83 | 15.03 | 2.20 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 29.41 |
| 1944-45 | 0.00 | 0.00 | 5.57 | 1.54 | 0.70 | 7.61 | 5.59 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 21.07 |
| 1945-46 | 0.00 | 1.97 | 0.64 | 9.86 | 0.41 | 2.80 | 9.58 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 25.28 |
| 1946-47 | 0.00 | 0.18 | 8.15 | 4.36 | 0.42 | 0.82 | 1.96 | 0.14 | 0.07 | 0.00 | 0.00 | 0.00 | 16.10 |
| 1947-48 | 0.00 | 0.04 | 0.02 | 0.48 | 0.00 | 2.73 | 5.23 | 2.87 | 0.63 | 0.39 | 0.00 | 0.00 | 12.39 |
| 1948-49 | 0.00 | 0.09 | 0.00 | 4.88 | 2.22 | 1.22 | 4.88 | 0.19 | 1.61 | 0.01 | 0.00 | 0.00 | 15.10 |
| 1949-50 | 0.00 | 0.02 | 2.53 | 4.62 | 4.16 | 2.38 | 1.42 | 1.40 | 0.00 | 0.00 | 0.02 | 0.00 | 16.55 |
| 1950-51 | 0.29 | 1.48 | 2.28 | 0.64 | 2.27 | 1.33 | 1.56 | 1.50 | 0.01 | 0.00 | 0.00 | 0.00 | 11.36 |
| 1951-52 | 0.00 | 1.04 | 2.83 | 5.80 | 25.21 | 0.78 | 11.75 | 1.99 | 0.00 | 0.00 | 0.03 | 0.00 | 49.43 |
| 1952-53 | 0.00 | 0.08 | 4.85 | 8.06 | 1.32 | 0.00 | 0.19 | 1.28 | 0.37 | 0.23 | 0.00 | 0.00 | 16.38 |
| 1953-54 | 0.00 | 0.00 | 2.83 | 0.25 | 7.70 | 3.29 | 6.26 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 20.54 |
| 1954-55 | 0.00 | 0.00 | 3.27 | 3.17 | 6.39 | 2.69 | 0.75 | 4.64 | 0.54 | 0.00 | 0.00 | 0.07 | 21.52 |
| 1955-56 | 0.00 | 0.00 | 1.63 | 8.66 | 5.48 | 0.99 | 0.00 | 5.06 | 2.00 | 0.00 | 0.00 | 0.00 | 23.82 |
| 1956-57 | 0.00 | 0.08 | 0.00 | 0.38 | 8.60 | 4.39 | 0.67 | 3.34 | 1.31 | 0.04 | 0.04 | 0.00 | 18.85 |
| 1957-58 | 0.00 | 2.01 | 0.84 | 9.94 | 3.57 | 13.35 | 9.70 | 11.95 | 0.70 | 0.00 | 0.00 | 0.02 | 52.08 |
| 1958-59 | 0.61 | 0.00 | 0.13 | 0.05 | 5.75 | 10.48 | 0.00 | 0.57 | 0.02 | 0.00 | 0.00 | 0.00 | 17.61 |
| 1959-60 | 0.16 | 0.00 | 0.00 | 1.96 | 5.58 | 3.64 | 0.43 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 | 15.13 |
| 1960-61 | 0.00 | 0.09 | 7.37 | 0.63 | 2.67 | 0.02 | 0.85 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 12.10 |
| 1961-62 | 0.00 | 0.03 | 5.51 | 3.01 | 2.71 | 23.05 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.14 |
| 1962-63 | 0.00 | 0.30 | 0.00 | 0.30 | 1.96 | 6.90 | 5.25 | 3.12 | 0.28 | 0.44 | 0.00 | 0.00 | 18.55 |
| 1963-64 | 1.49 | 0.89 | 3.63 | 0.00 | 4.40 | 0.04 | 3.50 | 2.16 | 0.14 | 0.02 | 0.00 | 0.00 | 16.27 |
| 1964-65 | 0.00 | 1.15 | 4.18 | 5.21 | 0.93 | 0.37 | 2.87 | 7.94 | 0.11 | 0.00 | 0.00 | 0.00 | 22.76 |
| 1965-66 | 0.00 | 0.00 | 17.00 | 9.36 | 2.24 | 0.86 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.70 |
| 1966-67 | 0.00 | 0.04 | 7.48 | 9.38 | 8.22 | 0.00 | 6.86 | 7.15 | 0.06 | 0.00 | 0.00 | 0.00 | 39.19 |
| 1967-68 | 0.12 | 0.00 | 5.11 | 1.51 | 1.84 | 1.30 | 3.50 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 15.05 |
| 1968-69 | 0.00 | 1.19 | 1.07 | 2.22 | 31.18 | 18.23 | 1.67 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 58.37 |
| 1969-70 | 0.00 | 0.00 | 2.59 | 0.31 | 4.34 | 3.57 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.39 |
| 1970-71 | 0.00 | 0.08 | 9.38 | 8.87 | 1.10 | 1.64 | 0.00 | 0.94 | 0.47 | 0.00 | 0.00 | 0.00 | 22.48 |
| 1971-72 | 0.00 | 0.47 | 1.09 | 13.20 | 0.19 | 0.32 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 15.62 |
| 1972-73 | 0.00 | 0.55 | 9.10 | 1.06 | 8.38 | 14.89 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.25 |
| 1973-74 | 0.00 | 0.70 | 3.19 | 2.83 | 12.26 | 0.05 | 5.35 | 0.85 | 0.02 | 0.00 | 0.00 | 0.00 | 25.25 |
| 1974-75 | 0.00 | 0.89 | 0.06 | 9.53 | 0.35 | 5.62 | 8.96 | 2.13 | 0.08 | 0.00 | 0.00 | 0.01 | 27.63 |
| 1975-76 | 0.00 | 0.40 | 0.44 | 0.22 | 0.00 | 10.93 | 2.02 | 1.08 | 0.00 | 0.00 | 0.00 | 0.05 | 15.14 |
| 1976-77 | 4.28 | 0.25 | 0.44 | 0.83 | 5.42 | 0.26 | 2.89 | 0.00 | 5.19 | 0.00 | 0.00 | 0.38 | 19.94 |
| 1977-78 | 0.00 | 0.00 | 0.14 | 9.23 | 11.91 | 14.42 | 18.28 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 | 58.25 |
| 1978-79 | 1.63 | 0.00 | 2.76 | 2.51 | 8.49 | 6.08 | 7.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.73 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 230** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 343124 Longitude: 1194055**

**Station Name: Gibraltar Dam** **Elevation (ft): 1500** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1979-80 | 1.01 | 0.58 | 0.96 | 2.02 | 8.13 | 17.69 | 4.39 | 1.10 | 0.24 | 0.00 | 0.00 | 0.00 | 36.12 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.74 | 6.17 | 2.99 | 9.98 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 21.93 |
| 1981-82 | 0.00 | 0.38 | 2.57 | 0.47 | 6.14 | 0.65 | 7.55 | 5.02 | 0.05 | 0.00 | 0.00 | 0.00 | 22.83 |
| 1982-83 | 1.70 | 1.30 | 7.87 | 5.62 | 15.07 | 8.47 | 15.11 | 8.86 | 0.00 | 0.20 | 0.00 | 0.79 | 64.99 |
| 1983-84 | 0.59 | 5.46 | 4.18 | 6.75 | 0.25 | 0.18 | 0.95 | 0.24 | 0.00 | 0.00 | 0.00 | 0.07 | 18.67 |
| 1984-85 | 0.23 | 0.49 | 4.09 | 7.05 | 1.17 | 1.16 | 2.65 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 16.98 |
| 1985-86 | 0.05 | 0.36 | 6.32 | 1.02 | 3.63 | 11.33 | 6.70 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 30.45 |
| 1986-87 | 0.84 | 0.00 | 0.91 | 0.42 | 2.61 | 2.02 | 5.16 | 0.07 | 0.00 | 0.20 | 0.00 | 0.00 | 12.23 |
| 1987-88 | 0.00 | 1.71 | 1.41 | 4.97 | 5.19 | 4.12 | 1.97 | 5.30 | 0.13 | 0.05 | 0.00 | 0.00 | 24.85 |
| 1988-89 | 0.00 | 0.00 | 1.04 | 5.88 | 0.36 | 5.38 | 1.39 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 14.65 |
| 1989-90 | 0.24 | 0.68 | 0.51 | 0.00 | 6.03 | 3.34 | 0.04 | 0.24 | 0.75 | 0.00 | 0.00 | 0.00 | 11.83 |
| 1990-91 | 0.00 | 0.00 | 0.26 | 0.18 | 1.71 | 4.88 | 22.76 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 30.00 |
| 1991-92 | 0.00 | 0.33 | 0.13 | 6.54 | 4.72 | 19.42 | 6.89 | 0.04 | 0.16 | 0.00 | 0.00 | 0.00 | 38.23 |
| 1992-93 | 0.00 | 1.78 | 0.00 | 8.17 | 14.30 | 16.43 | 8.12 | 0.00 | 0.34 | 0.47 | 0.00 | 0.00 | 49.61 |
| 1993-94 | 0.00 | 0.19 | 1.51 | 2.92 | 1.74 | 10.46 | 2.83 | 0.65 | 0.48 | 0.00 | 0.00 | 0.00 | 20.78 |
| 1994-95 | 0.09 | 2.19 | 1.29 | 1.54 | 34.46 | 3.39 | 13.97 | 0.33 | 1.64 | 0.02 | 0.00 | 0.00 | 58.92 |
| 1995-96 | 0.00 | 0.00 | 0.18 | 2.85 | 2.93 | 10.30 | 2.21 | 1.00 | 0.39 | 0.00 | 0.00 | 0.00 | 19.86 |
| 1996-97 | 0.00 | 7.05 | 1.89 | 7.81 | 7.45 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 24.37 |
| 1997-98 | 0.09 | 0.00 | 5.48 | 10.17 | 6.81 | 34.90 | 4.59 | 4.43 | 6.62 | 0.03 | 0.00 | 0.00 | 73.12 |
| 1998-99 | 0.55 | 0.13 | 1.22 | 0.65 | 4.25 | 2.26 | 4.97 | 3.13 | 0.00 | 0.05 | 0.24 | 0.00 | 17.45 |
| 1999-00 | 0.02 | 0.00 | 1.82 | 0.00 | 2.35 | 18.05 | 4.49 | 6.27 | 0.00 | 0.19 | 0.00 | 0.01 | 33.20 |
| 2000-01 | 0.00 | 4.04 | 0.00 | 0.15 | 11.24 | 8.85 | 13.67 | 2.97 | 0.01 | 0.00 | 0.00 | 0.00 | 40.93 |
| 2001-02 | 0.00 | 0.65 | 4.48 | 2.90 | 1.03 | 0.33 | 0.84 | 0.08 | 0.09 | 0.00 | 0.00 | 0.00 | 10.40 |
| 2002-03 | 0.06 | 0.00 | 4.61 | 6.45 | 0.12 | 5.26 | 4.43 | 3.87 | 2.82 | 0.00 | 0.06 | 0.00 | 27.68 |
| 2003-04 | 0.00 | 0.00 | 2.29 | 3.10 | 0.39 | 8.56 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.74 |
| 2004-05 | 0.00 | 8.39 | 0.46 | 17.37 | 21.45 | 15.66 | 3.35 | 1.04 | 1.34 | 0.05 | 0.00 | 0.00 | 69.11 |
| 2005-06 | 0.14 | 0.59 | 1.38 | 0.66 | 9.61 | 5.33 | 5.35 | 8.12 | 1.27 | 0.00 | 0.00 | 0.00 | 32.45 |
| 2006-07 | 0.00 | 0.37 | 0.23 | 1.63 | 2.62 | 3.40 | 0.16 | 0.81 | 0.00 | 0.00 | 0.00 | 0.02 | 9.24 |
| 2007-08 | 0.79 | 0.37 | 0.10 | 4.32 | 23.40 | 3.04 | 0.00 | 0.15 | 0.27 | 0.00 | 0.00 | 0.00 | 32.44 |
| 2008-09 | 0.00 | 0.04 | 2.04 | 3.78 | 0.81 | 7.22 | 0.95 | 0.33 | 0.02 | 0.08 | 0.00 | 0.00 | 15.27 |
| 2009-10 | 0.00 | 5.55 | 0.00 | 4.83 | 11.08 | 6.40 | 0.65 | 4.84 | 0.07 | 0.00 | 0.02 | 0.00 | 33.44 |
| 2010-11 | 0.00 | 1.86 | 2.04 | 13.02 | 1.90 | 4.81 | 13.70 | 0.14 | 1.03 | 0.49 | 0.00 | 0.00 | 38.99 |
| 2011-12 | 0.04 | 0.67 | 2.74 | 0.32 | 1.12 | 0.37 | 5.49 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 13.54 |
| 2012-13 | 0.06 | 0.32 | 2.40 | 2.52 | 1.30 | 0.29 | 0.81 | 0.22 | 0.58 | 0.00 | 0.00 | 0.00 | 8.50 |
| 2013-14 | 0.00 | 0.06 | 1.13 | 0.26 | 0.00 | 4.61 | 4.38 | 0.80 | 0.59 | 0.00 | 0.00 | 0.05 | 11.88 |
| 2014-15 | 0.00 | 0.00 | 1.13 | 7.60 | 0.88 | 0.75 | 0.63 | 0.39 | 0.57 | 0.95 | 0.21 | 0.00 | 13.11 |
| 2015-16 | 0.13 | 0.22 | 0.33 | 0.70 | 4.88 | 2.28 | 4.17 | 0.25 | 0.12 | 0.00 | 0.00 | 0.00 | 13.08 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 230** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 343124 Longitude: 1194055**

**Station Name: Gibraltar Dam** **Elevation (ft): 1500** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 17.48 | 77.26 | 219.24 | 424.62 | 544.49 | 579.42 | 441.77 | 191.61 | 45.87 | 6.96 | 0.66 | 2.59 | 2551.97 |
| N | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| Mean | 0.18 | 0.80 | 2.26 | 4.38 | 5.61 | 5.97 | 4.55 | 1.98 | 0.47 | 0.07 | 0.01 | 0.03 | 26.31 |
| Max | 4.28 | 8.39 | 17.00 | 17.37 | 34.46 | 34.90 | 22.76 | 12.10 | 6.62 | 1.52 | 0.24 | 0.79 | 73.12 |
| StdDev | 0.54 | 1.45 | 2.79 | 4.11 | 6.50 | 6.32 | 4.61 | 2.58 | 1.05 | 0.21 | 0.03 | 0.11 | 14.25 |
| CV | 2.99 | 1.82 | 1.24 | 0.94 | 1.16 | 1.06 | 1.01 | 1.31 | 2.21 | 2.95 | 4.85 | 4.22 | 0.54 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.51 | 1.72 | 3.79 | 4.35 | 4.91 | 3.84 | 1.38 | 0.15 | 0.00 | 0.00 | 0.00 | 24.23 |
| 5 | 0.31 | 1.45 | 3.91 | 7.17 | 9.05 | 10.41 | 7.53 | 3.42 | 0.89 | 0.13 | 0.01 | 0.04 | 34.99 |
| 10 | 0.68 | 2.14 | 5.38 | 9.30 | 12.33 | 13.90 | 9.86 | 4.87 | 1.53 | 0.30 | 0.03 | 0.12 | 41.82 |
| 25 | 1.27 | 3.03 | 7.22 | 11.88 | 16.53 | 18.16 | 12.72 | 6.76 | 2.44 | 0.54 | 0.06 | 0.26 | 50.16 |
| 50 | 1.75 | 3.70 | 8.55 | 13.72 | 19.66 | 21.29 | 14.82 | 8.14 | 3.15 | 0.75 | 0.09 | 0.39 | 56.29 |
| 100 | 2.26 | 4.36 | 9.87 | 15.48 | 22.74 | 24.25 | 16.80 | 9.52 | 3.87 | 0.96 | 0.12 | 0.52 | 62.08 |
| 200 | 2.79 | 5.03 | 11.18 | 17.21 | 25.77 | 27.14 | 18.74 | 10.90 | 4.61 | 1.18 | 0.15 | 0.67 | 67.75 |
| 500 | 3.86 | 6.14 | 13.23 | 19.71 | 30.77 | 31.40 | 21.59 | 13.18 | 5.88 | 1.62 | 0.22 | 0.97 | 76.09 |
| 1000 | 4.06 | 6.55 | 14.13 | 21.03 | 32.74 | 33.59 | 23.06 | 14.06 | 6.35 | 1.71 | 0.23 | 1.02 | 80.37 |
| 10000 | 5.96 | 8.72 | 18.25 | 26.29 | 42.59 | 42.58 | 29.08 | 18.51 | 8.89 | 2.49 | 0.35 | 1.54 | 97.96 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 440** **Station Type: Alert, Data Logger w/TB** **Latitude: 342635 Longitude: 1195113**

**Station Name: Goleta Fire Station #14** **Elevation (ft): 75** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1941-42 | 0.00 | 1.07 | 0.45 | 5.79 | 1.02 | 1.18 | 1.92 | 3.30 | 0.00 | 0.00 | 0.00 | 0.14 | 14.87 |
| 1942-43 | 0.00 | 0.92 | 0.77 | 1.56 | 10.80 | 3.12 | 2.90 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 21.08 |
| 1943-44 | 0.00 | 0.65 | 0.00 | 5.84 | 1.45 | 6.67 | 2.36 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 18.56 |
| 1944-45 | 0.00 | 0.00 | 3.77 | 1.17 | 0.00 | 6.24 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.78 |
| 1945-46 | 0.00 | 0.69 | 0.79 | 7.24 | 0.33 | 1.07 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.86 |
| 1946-47 | 0.00 | 0.82 | 7.01 | 3.29 | 0.63 | 0.55 | 1.03 | 0.09 | 0.40 | 0.00 | 0.00 | 0.00 | 13.82 |
| 1947-48 | 0.00 | 0.32 | 0.00 | 0.73 | 0.00 | 1.34 | 4.13 | 1.74 | 0.44 | 0.10 | 0.00 | 0.00 | 8.80 |
| 1948-49 | 0.00 | 0.04 | 0.00 | 3.24 | 1.49 | 1.54 | 3.03 | 0.09 | 1.56 | 0.00 | 0.00 | 0.00 | 10.99 |
| 1949-50 | 0.00 | 0.04 | 1.80 | 4.40 | 2.92 | 2.73 | 1.59 | 0.53 | 0.00 | 0.00 | 0.94 | 0.00 | 14.95 |
| 1950-51 | 0.21 | 1.04 | 2.05 | 0.51 | 2.63 | 1.12 | 1.16 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 10.90 |
| 1951-52 | 0.00 | 0.36 | 1.34 | 5.87 | 10.79 | 0.79 | 7.70 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 28.57 |
| 1952-53 | 0.00 | 0.00 | 4.56 | 5.41 | 1.96 | 0.00 | 0.66 | 1.50 | 0.06 | 0.00 | 0.00 | 0.00 | 14.15 |
| 1953-54 | 0.00 | 0.00 | 2.52 | 0.11 | 5.07 | 2.60 | 4.22 | 0.47 | 0.13 | 0.00 | 0.00 | 0.00 | 15.12 |
| 1954-55 | 0.00 | 0.00 | 1.85 | 3.71 | 4.73 | 2.65 | 0.70 | 3.46 | 0.19 | 0.00 | 0.00 | 0.00 | 17.29 |
| 1955-56 | 0.00 | 0.00 | 1.50 | 7.53 | 7.20 | 1.10 | 0.00 | 2.23 | 1.31 | 0.00 | 0.00 | 0.00 | 20.87 |
| 1956-57 | 0.00 | 0.07 | 0.00 | 0.12 | 5.59 | 3.62 | 0.43 | 2.25 | 1.33 | 0.00 | 0.00 | 0.00 | 13.41 |
| 1957-58 | 0.00 | 0.97 | 0.58 | 4.30 | 3.43 | 8.46 | 6.38 | 4.99 | 0.41 | 0.00 | 0.00 | 0.00 | 29.52 |
| 1958-59 | 0.56 | 0.00 | 0.06 | 0.09 | 2.45 | 4.93 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 9.19 |
| 1959-60 | 0.04 | 0.00 | 0.00 | 1.52 | 4.31 | 3.61 | 0.54 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 | 12.86 |
| 1960-61 | 0.00 | 0.05 | 5.77 | 0.43 | 1.31 | 0.00 | 0.93 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 9.16 |
| 1961-62 | 0.00 | 0.00 | 2.82 | 1.25 | 2.23 | 14.11 | 0.97 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 21.42 |
| 1962-63 | 0.00 | 0.53 | 0.00 | 0.10 | 1.50 | 6.37 | 4.35 | 2.65 | 0.32 | 0.43 | 0.00 | 0.14 | 16.39 |
| 1963-64 | 1.11 | 1.05 | 3.67 | 0.00 | 1.70 | 0.00 | 3.18 | 0.12 | 0.00 | 0.19 | 0.00 | 0.00 | 11.02 |
| 1964-65 | 0.00 | 1.08 | 2.41 | 4.99 | 0.88 | 0.72 | 3.17 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | 19.78 |
| 1965-66 | 0.00 | 0.00 | 9.00 | 4.29 | 2.22 | 0.83 | 0.10 | 0.00 | 0.06 | 0.06 | 0.00 | 0.00 | 16.56 |
| 1966-67 | 0.03 | 0.06 | 4.02 | 6.08 | 6.65 | 0.62 | 2.11 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 | 24.13 |
| 1967-68 | 0.10 | 0.00 | 4.35 | 1.25 | 1.01 | 1.87 | 4.41 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 14.08 |
| 1968-69 | 0.00 | 1.47 | 0.82 | 1.94 | 16.43 | 9.58 | 0.34 | 2.29 | 0.00 | 0.00 | 0.00 | 0.00 | 32.87 |
| 1969-70 | 0.05 | 0.00 | 1.69 | 0.27 | 4.14 | 2.18 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.85 |
| 1970-71 | 0.00 | 0.10 | 4.96 | 4.66 | 1.19 | 1.16 | 0.95 | 0.82 | 1.34 | 0.00 | 0.00 | 0.00 | 15.18 |
| 1971-72 | 0.00 | 0.00 | 0.47 | 7.87 | 0.22 | 0.56 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 9.35 |
| 1972-73 | 0.00 | 0.46 | 7.52 | 0.92 | 7.71 | 9.62 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.16 |
| 1973-74 | 0.00 | 0.66 | 1.81 | 1.66 | 8.77 | 0.24 | 5.19 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 18.72 |
| 1974-75 | 0.00 | 0.73 | 0.10 | 9.16 | 0.31 | 5.53 | 5.81 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 22.74 |
| 1975-76 | 0.00 | 0.46 | 0.18 | 0.08 | 0.00 | 5.99 | 1.47 | 1.38 | 0.00 | 0.27 | 0.00 | 0.00 | 9.83 |
| 1976-77 | 4.51 | 3.02 | 0.84 | 0.90 | 3.96 | 0.25 | 1.86 | 0.00 | 3.11 | 0.00 | 0.00 | 0.30 | 18.75 |
| 1977-78 | 0.00 | 0.00 | 0.18 | 5.22 | 9.99 | 10.12 | 12.91 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 40.92 |
| 1978-79 | 1.25 | 0.00 | 1.68 | 1.50 | 4.63 | 5.64 | 6.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.89 |
| 1979-80 | 0.80 | 0.64 | 0.70 | 2.20 | 6.55 | 10.39 | 2.61 | 0.47 | 0.35 | 0.00 | 0.64 | 0.00 | 25.35 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 2.20 | 4.04 | 2.55 | 8.35 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 17.75 |
| 1981-82 | 0.00 | 1.00 | 2.69 | 0.82 | 3.69 | 0.50 | 5.69 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 | 17.40 |
| 1982-83 | 1.55 | 0.77 | 7.67 | 3.25 | 11.63 | 9.02 | 5.74 | 5.59 | 0.27 | 0.00 | 0.00 | 2.44 | 47.93 |
| 1983-84 | 0.48 | 4.30 | 3.53 | 6.02 | 0.00 | 0.00 | 0.92 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 15.41 |
| 1984-85 | 0.32 | 0.56 | 2.86 | 5.13 | 0.80 | 2.98 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.71 |
| 1985-86 | 0.04 | 0.52 | 3.85 | 0.90 | 2.12 | 8.57 | 5.80 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 22.26 |
| 1986-87 | 2.20 | 0.00 | 0.70 | 0.75 | 0.80 | 2.64 | 4.70 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 11.94 |
| 1987-88 | 0.00 | 2.41 | 0.98 | 3.19 | 2.79 | 0.92 | 0.82 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 14.42 |
| 1988-89 | 0.00 | 0.00 | 1.28 | 3.68 | 0.54 | 2.56 | 0.60 | 0.25 | 0.20 | 0.00 | 0.00 | 0.00 | 9.11 |
| 1989-90 | 0.07 | 0.47 | 0.44 | 0.00 | 2.80 | 2.29 | 0.01 | 0.24 | 0.72 | 0.00 | 0.00 | 0.00 | 7.04 |
| 1990-91 | 0.17 | 0.00 | 0.14 | 0.00 | 1.81 | 2.40 | 12.65 | 0.03 | 0.00 | 0.35 | 0.06 | 0.61 | 18.22 |
| 1991-92 | 0.04 | 0.32 | 0.13 | 3.97 | 2.49 | 8.73 | 3.56 | 0.01 | 0.00 | 0.03 | 0.46 | 0.00 | 19.74 |
| 1992-93 | 0.00 | 0.92 | 0.00 | 4.23 | 10.11 | 6.88 | 5.71 | 0.00 | 0.15 | 0.50 | 0.00 | 0.00 | 28.50 |
| 1993-94 | 0.00 | 0.18 | 1.27 | 1.62 | 1.23 | 6.69 | 1.79 | 0.65 | 0.44 | 0.00 | 0.00 | 0.00 | 13.87 |
| 1994-95 | 0.03 | 0.45 | 1.58 | 1.06 | 20.99 | 1.36 | 10.92 | 0.24 | 1.13 | 0.58 | 0.00 | 0.00 | 38.34 |
| 1995-96 | 0.00 | 0.00 | 0.16 | 3.15 | 2.22 | 7.90 | 2.22 | 0.94 | 0.76 | 0.00 | 0.00 | 0.00 | 17.35 |
| 1996-97 | 0.00 | 2.20 | 3.34 | 6.30 | 6.07 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.09 | 18.07 |
| 1997-98 | 0.48 | 0.00 | 3.64 | 6.59 | 5.67 | 21.53 | 2.46 | 2.87 | 3.77 | 0.02 | 0.00 | 0.00 | 47.03 |
| 1998-99 | 0.35 | 0.00 | 1.02 | 0.83 | 1.88 | 0.95 | 4.42 | 2.31 | 0.00 | 0.09 | 0.00 | 0.00 | 11.85 |
| 1999-00 | 0.04 | 0.00 | 1.49 | 0.00 | 2.19 | 11.34 | 3.83 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 | 22.85 |
| 2000-01 | 0.04 | 1.57 | 0.00 | 0.09 | 8.45 | 6.10 | 7.71 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 24.39 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 440** **Station Type: Alert, Data Logger w/TB** **Latitude: 342635 Longitude: 1195113**

**Station Name:** Goleta Fire Station #14 **Elevation (ft): 75** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001-02 | 0.00 | 0.61 | 3.88 | 2.19 | 1.31 | 0.38 | 0.55 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 | 9.05 |
| 2002-03 | 0.18 | 0.00 | 6.08 | 6.05 | 0.12 | 2.72 | 5.25 | 1.40 | 1.95 | 0.03 | 0.00 | 0.00 | 23.78 |
| 2003-04 | 0.00 | 0.00 | 1.66 | 2.80 | 0.50 | 5.52 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.98 |
| 2004-05 | 0.00 | 3.29 | 0.15 | 7.97 | 13.34 | 7.37 | 4.39 | 0.80 | 0.91 | 0.00 | 0.00 | 0.00 | 38.22 |
| 2005-06 | 0.12 | 0.84 | 2.01 | 0.86 | 5.56 | 2.98 | 4.24 | 5.86 | 1.44 | 0.00 | 0.00 | 0.01 | 23.92 |
| 2006-07 | 0.00 | 0.14 | 0.47 | 1.01 | 2.80 | 1.97 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 7.40 |
| 2007-08 | 0.24 | 0.28 | 0.00 | 2.62 | 11.78 | 2.25 | 0.00 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | 17.37 |
| 2008-09 | 0.00 | 0.10 | 1.84 | 2.63 | 0.74 | 4.39 | 0.96 | 0.42 | 0.00 | 0.49 | 0.00 | 0.00 | 11.57 |
| 2009-10 | 0.00 | 3.91 | 0.00 | 3.67 | 6.50 | 4.24 | 0.47 | 2.65 | 0.17 | 0.02 | 0.01 | 0.00 | 21.64 |
| 2010-11 | 0.00 | 2.54 | 1.24 | 11.53 | 1.46 | 3.98 | 8.36 | 0.00 | 0.59 | 1.57 | 0.00 | 0.00 | 31.27 |
| 2011-12 | 0.00 | 1.11 | 3.10 | 1.33 | 2.48 | 0.11 | 2.22 | 3.23 | 0.01 | 0.01 | 0.00 | 0.00 | 13.60 |
| 2012-13 | 0.06 | 0.03 | 1.95 | 4.87 | 2.13 | 0.20 | 1.13 | 0.45 | 0.07 | 0.08 | 0.06 | 0.00 | 11.03 |
| 2013-14 | 0.01 | 0.12 | 0.82 | 0.17 | 0.00 | 3.91 | 1.36 | 0.47 | 0.00 | 0.00 | 0.02 | 0.00 | 6.88 |
| 2014-15 | 0.00 | 0.00 | 1.20 | 5.96 | 1.48 | 1.46 | 0.21 | 0.31 | 0.27 | 0.59 | 0.02 | 0.00 | 11.50 |
| 2015-16 | 0.47 | 0.30 | 0.10 | 0.35 | 5.21 | 1.23 | 2.76 | 0.63 | 0.04 | 0.01 | 0.00 | 0.00 | 11.10 |
| Total | 15.55 | 46.24 | 143.31 | 224.99 | 295.93 | 287.78 | 233.45 | 98.54 | 24.07 | 5.42 | 2.22 | 3.73 | 1381.23 |
| N | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Mean | 0.21 | 0.62 | 1.91 | 3.00 | 3.95 | 3.84 | 3.11 | 1.31 | 0.32 | 0.07 | 0.03 | 0.05 | 18.42 |
| Max | 4.51 | 4.30 | 9.00 | 11.53 | 20.99 | 21.53 | 12.91 | 6.53 | 3.77 | 1.57 | 0.94 | 2.44 | 47.93 |
| StdDev | 0.62 | 0.92 | 2.06 | 2.61 | 4.10 | 3.88 | 2.90 | 1.56 | 0.68 | 0.22 | 0.14 | 0.29 | 8.85 |
| CV | 3.01 | 1.49 | 1.08 | 0.87 | 1.04 | 1.01 | 0.93 | 1.19 | 2.11 | 3.07 | 4.69 | 5.82 | 0.48 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.40 | 1.46 | 2.60 | 3.06 | 3.15 | 2.63 | 0.92 | 0.10 | 0.00 | 0.00 | 0.00 | 16.96 |
| 5 | 0.35 | 1.12 | 3.31 | 4.91 | 6.36 | 6.69 | 5.14 | 2.28 | 0.60 | 0.14 | 0.05 | 0.07 | 24.49 |
| 10 | 0.79 | 1.66 | 4.55 | 6.38 | 8.67 | 8.93 | 6.74 | 3.24 | 1.04 | 0.30 | 0.13 | 0.22 | 29.27 |
| 25 | 1.46 | 2.34 | 6.10 | 8.14 | 11.62 | 11.66 | 8.69 | 4.49 | 1.65 | 0.55 | 0.28 | 0.49 | 35.11 |
| 50 | 2.02 | 2.87 | 7.22 | 9.40 | 13.82 | 13.68 | 10.13 | 5.41 | 2.14 | 0.75 | 0.40 | 0.72 | 39.40 |
| 100 | 2.60 | 3.38 | 8.35 | 10.61 | 15.98 | 15.58 | 11.48 | 6.33 | 2.63 | 0.97 | 0.53 | 0.98 | 43.46 |
| 200 | 3.21 | 3.89 | 9.45 | 11.79 | 18.11 | 17.44 | 12.81 | 7.25 | 3.13 | 1.19 | 0.67 | 1.24 | 47.43 |
| 500 | 4.44 | 4.75 | 11.18 | 13.51 | 21.63 | 20.17 | 14.76 | 8.77 | 3.99 | 1.63 | 0.96 | 1.81 | 53.26 |
| 1000 | 4.67 | 5.07 | 11.95 | 14.41 | 23.02 | 21.58 | 15.76 | 9.35 | 4.31 | 1.72 | 1.01 | 1.89 | 56.26 |
| 10000 | 6.86 | 6.75 | 15.43 | 18.02 | 29.94 | 27.35 | 19.88 | 12.31 | 6.04 | 2.51 | 1.51 | 2.88 | 68.58 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 439** **Station Type: Alert, Data Logger w/TB** **Latitude: 343816 Longitude: 1202707**

**Station Name: Lompoc City Hall** **Elevation (ft): 100** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1954-55 | 0.00 | 0.00 | 0.88 | 2.12 | 4.36 | 1.55 | 0.40 | 2.38 | 0.45 | 0.03 | 0.00 | 0.06 | 12.23 |
| 1955-56 | 0.00 | 0.00 | 2.05 | 6.75 | 3.94 | 0.81 | 0.00 | 1.65 | 0.62 | 0.00 | 0.00 | 0.00 | 15.82 |
| 1956-57 | 0.00 | 0.26 | 0.00 | 0.22 | 4.19 | 2.89 | 0.96 | 1.31 | 0.84 | 0.15 | 0.00 | 0.00 | 10.82 |
| 1957-58 | 0.04 | 0.62 | 0.25 | 3.64 | 2.37 | 6.11 | 5.72 | 5.01 | 0.18 | 0.04 | 0.00 | 0.00 | 23.98 |
| 1958-59 | 1.26 | 0.00 | 0.16 | 0.16 | 2.80 | 3.63 | 0.00 | 0.74 | 0.04 | 0.00 | 0.00 | 0.00 | 8.79 |
| 1959-60 | 0.21 | 0.00 | 0.00 | 0.42 | 3.41 | 2.93 | 0.45 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 9.46 |
| 1960-61 | 0.00 | 1.10 | 3.36 | 1.09 | 1.35 | 0.13 | 0.59 | 0.19 | 0.09 | 0.05 | 0.02 | 0.00 | 7.97 |
| 1961-62 | 0.05 | 0.00 | 2.72 | 2.66 | 2.37 | 10.25 | 2.23 | 0.09 | 0.24 | 0.05 | 0.00 | 0.00 | 20.66 |
| 1962-63 | 0.00 | 0.40 | 0.00 | 0.75 | 1.19 | 4.84 | 3.93 | 2.70 | 0.20 | 0.11 | 0.00 | 0.00 | 14.12 |
| 1963-64 | 0.93 | 0.49 | 2.31 | 0.38 | 1.90 | 0.06 | 3.64 | 0.36 | 0.31 | 0.06 | 0.00 | 0.05 | 10.49 |
| 1964-65 | 0.00 | 1.98 | 2.53 | 2.69 | 1.01 | 0.47 | 2.42 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 | 15.33 |
| 1965-66 | 0.00 | 0.00 | 6.67 | 3.53 | 1.48 | 0.70 | 0.18 | 0.08 | 0.00 | 0.00 | 0.02 | 0.00 | 12.66 |
| 1966-67 | 0.07 | 0.00 | 2.42 | 2.08 | 4.00 | 0.31 | 1.78 | 4.14 | 0.12 | 0.15 | 0.00 | 0.00 | 15.07 |
| 1967-68 | 0.43 | 0.00 | 2.06 | 1.12 | 1.07 | 1.09 | 1.03 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 8.08 |
| 1968-69 | 0.00 | 2.23 | 0.87 | 1.70 | 8.06 | 8.39 | 0.81 | 1.95 | 0.15 | 0.00 | 0.00 | 0.00 | 24.16 |
| 1969-70 | 0.03 | 0.09 | 1.50 | 0.59 | 3.38 | 2.42 | 2.20 | 0.01 | 0.00 | 0.02 | 0.00 | 0.00 | 10.24 |
| 1970-71 | 0.00 | 0.10 | 2.86 | 3.31 | 0.72 | 0.35 | 0.30 | 0.92 | 0.94 | 0.00 | 0.00 | 0.00 | 9.50 |
| 1971-72 | 0.00 | 0.32 | 0.23 | 5.11 | 0.13 | 0.29 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 |
| 1972-73 | 0.00 | 0.45 | 4.70 | 1.57 | 5.95 | 6.16 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.96 |
| 1973-74 | 0.08 | 0.44 | 1.77 | 2.14 | 5.24 | 0.15 | 3.80 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 14.56 |
| 1974-75 | 0.00 | 0.84 | 0.15 | 6.55 | 0.25 | 3.44 | 6.06 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 18.14 |
| 1975-76 | 0.00 | 0.59 | 0.35 | 0.19 | 0.00 | 4.94 | 1.37 | 1.49 | 0.03 | 0.17 | 0.00 | 0.71 | 9.84 |
| 1976-77 | 2.93 | 0.38 | 0.63 | 0.28 | 2.25 | 0.07 | 1.55 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 10.01 |
| 1977-78 | 0.00 | 0.00 | 0.12 | 3.16 | 6.81 | 7.62 | 7.46 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 | 28.19 |
| 1978-79 | 1.60 | 0.00 | 1.36 | 0.95 | 4.50 | 3.66 | 4.04 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 16.16 |
| 1979-80 | 0.30 | 0.66 | 0.84 | 2.63 | 3.84 | 6.87 | 1.86 | 0.58 | 0.14 | 0.00 | 0.12 | 0.00 | 17.84 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.01 | 3.77 | 0.97 | 3.88 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 10.13 |
| 1981-82 | 0.00 | 0.56 | 0.64 | 0.77 | 2.56 | 0.56 | 4.03 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 11.52 |
| 1982-83 | 0.41 | 1.42 | 3.37 | 1.84 | 8.85 | 6.45 | 7.61 | 3.80 | 0.35 | 0.00 | 0.00 | 0.32 | 34.42 |
| 1983-84 | 0.03 | 0.61 | 2.14 | 3.51 | 0.00 | 0.44 | 0.42 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 7.89 |
| 1984-85 | 0.12 | 0.30 | 2.90 | 4.25 | 1.08 | 0.97 | 0.28 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 9.95 |
| 1985-86 | 0.00 | 0.46 | 2.73 | 2.26 | 1.37 | 6.57 | 4.63 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 18.30 |
| 1986-87 | 1.00 | 0.00 | 2.00 | 1.00 | 2.14 | 1.93 | 3.83 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 12.16 |
| 1987-88 | 0.00 | 0.99 | 1.30 | 5.61 | 1.78 | 1.90 | 0.50 | 3.10 | 0.25 | 0.00 | 0.00 | 0.00 | 15.43 |
| 1988-89 | 0.00 | 0.00 | 0.88 | 3.21 | 0.53 | 0.74 | 0.34 | 0.20 | 0.24 | 0.00 | 0.00 | 0.00 | 6.14 |
| 1989-90 | 0.46 | 0.25 | 0.30 | 0.00 | 2.83 | 1.64 | 0.46 | 0.37 | 0.64 | 0.00 | 0.00 | 0.00 | 6.95 |
| 1990-91 | 0.09 | 0.00 | 0.21 | 0.64 | 1.38 | 1.61 | 10.72 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 15.08 |
| 1991-92 | 0.00 | 0.30 | 0.20 | 3.46 | 2.77 | 7.15 | 1.92 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 15.83 |
| 1992-93 | 0.00 | 0.41 | 0.00 | 3.63 | 5.22 | 4.97 | 3.30 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 17.65 |
| 1993-94 | 0.00 | 0.32 | 0.82 | 1.62 | 1.68 | 4.99 | 1.66 | 0.90 | 0.77 | 0.00 | 0.00 | 0.00 | 12.76 |
| 1994-95 | 0.02 | 0.63 | 2.28 | 0.89 | 16.76 | 1.71 | 9.65 | 0.39 | 0.76 | 0.73 | 0.00 | 0.00 | 33.82 |
| 1995-96 | 0.00 | 0.00 | 0.31 | 1.72 | 0.90 | 7.23 | 0.96 | 0.67 | 0.36 | 0.00 | 0.00 | 0.00 | 12.15 |
| 1996-97 | 0.00 | 1.55 | 1.96 | 4.11 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 11.79 |
| 1997-98 | 0.22 | 0.00 | 4.45 | 4.69 | 5.14 | 11.15 | 2.74 | 3.71 | 1.95 | 0.00 | 0.00 | 0.00 | 34.05 |
| 1998-99 | 0.50 | 0.14 | 2.22 | 1.23 | 2.09 | 0.90 | 7.27 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 15.69 |
| 1999-00 | 0.00 | 0.00 | 1.07 | 0.00 | 1.42 | 7.67 | 1.87 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 15.13 |
| 2000-01 | 0.00 | 1.76 | 0.00 | 0.30 | 4.36 | 4.86 | 5.59 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 17.75 |
| 2001-02 | 0.00 | 0.48 | 2.94 | 2.11 | 0.73 | 0.26 | 0.86 | 0.08 | 0.07 | 0.00 | 0.00 | 0.00 | 7.53 |
| 2002-03 | 0.00 | 0.00 | 1.84 | 3.94 | 0.00 | 2.39 | 1.40 | 1.15 | 0.94 | 0.00 | 0.00 | 0.00 | 11.66 |
| 2003-04 | 0.00 | 0.00 | 1.34 | 1.46 | 0.66 | 4.76 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.58 |
| 2004-05 | 0.00 | 3.74 | 0.63 | 5.64 | 5.09 | 5.82 | 3.04 | 0.46 | 0.40 | 0.00 | 0.00 | 0.00 | 24.82 |
| 2005-06 | 0.12 | 0.56 | 0.94 | 0.90 | 4.30 | 1.16 | 4.06 | 3.60 | 1.22 | 0.00 | 0.00 | 0.00 | 16.86 |
| 2006-07 | 0.03 | 0.24 | 0.31 | 1.44 | 1.04 | 1.62 | 0.16 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 5.31 |
| 2007-08 | 0.04 | 0.54 | 0.04 | 1.26 | 10.00 | 1.62 | 0.00 | 0.08 | 0.00 | 0.00 | 0.01 | 0.02 | 13.61 |
| 2008-09 | 0.02 | 0.16 | 2.57 | 1.55 | 0.20 | 4.97 | 0.55 | 0.11 | 0.11 | 0.17 | 0.00 | 0.00 | 10.41 |
| 2009-10 | 0.00 | 2.18 | 0.01 | 2.53 | 7.79 | 3.46 | 0.52 | 2.81 | 0.07 | 0.01 | 0.04 | 0.02 | 19.44 |
| 2010-11 | 0.04 | 1.77 | 1.20 | 10.27 | 1.21 | 4.09 | 6.35 | 0.34 | 0.60 | 0.82 | 0.02 | 0.04 | 26.75 |
| 2011-12 | 0.07 | 0.91 | 2.11 | 0.34 | 1.25 | 0.38 | 2.81 | 2.72 | 0.00 | 0.01 | 0.02 | 0.00 | 10.62 |
| 2012-13 | 0.01 | 0.19 | 1.12 | 2.73 | 1.02 | 0.82 | 1.05 | 0.03 | 0.19 | 0.04 | 0.01 | 0.04 | 7.25 |
| 2013-14 | 0.00 | 0.27 | 0.49 | 0.16 | 0.05 | 3.79 | 1.66 | 0.68 | 0.05 | 0.03 | 0.01 | 0.01 | 7.20 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 439** **Station Type: Alert, Data Logger w/TB** **Latitude: 343816 Longitude: 1202707**

**Station Name: Lompoc City Hall** **Elevation (ft): 100** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2014-15 | 0.01 | 0.03 | 1.18 | 4.71 | 0.64 | 0.38 | 0.39 | 0.32 | 0.17 | 0.06 | 0.14 | 0.00 | 8.03 |
| 2015-16 | 0.01 | 0.11 | 1.25 | 1.52 | 3.57 | 1.27 | 2.91 | 1.04 | 0.00 | 0.00 | 0.01 | 0.00 | 11.69 |
| Total | 11.13 | 31.83 | 88.54 | 142.10 | 184.82 | 191.33 | 153.69 | 73.22 | 15.58 | 2.70 | 0.55 | 1.27 | 896.76 |
| N | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| Mean | 0.18 | 0.51 | 1.43 | 2.29 | 2.98 | 3.09 | 2.48 | 1.18 | 0.25 | 0.04 | 0.01 | 0.02 | 14.46 |
| Max | 2.93 | 3.74 | 6.67 | 10.27 | 16.76 | 11.15 | 10.72 | 5.01 | 1.95 | 0.82 | 0.14 | 0.71 | 34.42 |
| StdDev | 0.47 | 0.71 | 1.33 | 1.97 | 2.89 | 2.79 | 2.48 | 1.31 | 0.42 | 0.14 | 0.03 | 0.10 | 6.85 |
| CV | 2.61 | 1.37 | 0.93 | 0.86 | 0.97 | 0.90 | 1.00 | 1.11 | 1.68 | 3.22 | 2.99 | 4.77 | 0.47 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.33 | 1.09 | 1.98 | 2.31 | 2.54 | 2.09 | 0.83 | 0.08 | 0.00 | 0.00 | 0.00 | 13.32 |
| 5 | 0.30 | 0.93 | 2.47 | 3.76 | 4.81 | 5.38 | 4.10 | 2.05 | 0.47 | 0.08 | 0.01 | 0.03 | 19.24 |
| 10 | 0.68 | 1.38 | 3.40 | 4.87 | 6.55 | 7.18 | 5.37 | 2.91 | 0.81 | 0.18 | 0.04 | 0.09 | 22.99 |
| 25 | 1.26 | 1.95 | 4.56 | 6.22 | 8.78 | 9.38 | 6.92 | 4.04 | 1.30 | 0.33 | 0.08 | 0.20 | 27.57 |
| 50 | 1.75 | 2.39 | 5.40 | 7.18 | 10.44 | 11.00 | 8.06 | 4.86 | 1.67 | 0.45 | 0.12 | 0.30 | 30.95 |
| 100 | 2.25 | 2.81 | 6.24 | 8.11 | 12.08 | 12.53 | 9.14 | 5.69 | 2.06 | 0.58 | 0.16 | 0.40 | 34.13 |
| 200 | 2.78 | 3.24 | 7.06 | 9.01 | 13.69 | 14.02 | 10.20 | 6.52 | 2.45 | 0.72 | 0.20 | 0.51 | 37.25 |
| 500 | 3.85 | 3.96 | 8.36 | 10.32 | 16.34 | 16.22 | 11.75 | 7.88 | 3.13 | 0.98 | 0.29 | 0.74 | 41.83 |
| 1000 | 4.05 | 4.22 | 8.93 | 11.01 | 17.39 | 17.35 | 12.55 | 8.40 | 3.37 | 1.04 | 0.30 | 0.78 | 44.18 |
| 10000 | 5.94 | 5.62 | 11.53 | 13.77 | 22.62 | 22.00 | 15.83 | 11.06 | 4.73 | 1.51 | 0.45 | 1.18 | 53.86 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 204** **Station Type: Alert, Data Logger w/TB** **Latitude: 344443 Longitude: 1201647**

**Station Name: Los Alamos Fire Station #24** **Elevation (ft): 580** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909-10 | 0.00 | 0.95 | 1.69 | 5.80 | 3.58 | 0.23 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.43 |
| 1910-11 | 0.84 | 0.12 | 0.58 | 0.46 | 9.53 | 3.64 | 12.41 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 29.05 |
| 1911-12 | 0.00 | 0.00 | 0.00 | 1.85 | 1.59 | 0.00 | 6.77 | 0.85 | 1.12 | 0.00 | 0.00 | 0.00 | 12.18 |
| 1912-13 | 0.00 | 0.00 | 0.30 | 0.16 | 2.88 | 3.22 | 0.75 | 0.50 | 0.15 | 0.35 | 0.00 | 1.20 | 9.51 |
| 1913-14 | 0.00 | 0.00 | 2.45 | 3.05 | 11.30 | 6.26 | 0.97 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 24.48 |
| 1914-15 | 0.00 | 0.00 | 0.00 | 5.12 | 5.34 | 8.16 | 0.61 | 2.14 | 1.65 | 0.00 | 0.00 | 0.00 | 23.02 |
| 1917-18 | 0.00 | 0.00 | 0.00 | 0.04 | 0.41 | 11.88 | 7.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 19.71 |
| 1918-19 | 0.20 | 0.30 | 2.94 | 2.63 | 0.46 | 2.75 | 1.65 | 0.06 | 1.35 | 0.00 | 0.00 | 0.00 | 12.34 |
| 1919-20 | 0.58 | 0.18 | 0.17 | 2.67 | 0.39 | 2.97 | 3.75 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 11.42 |
| 1920-21 | 0.03 | 0.58 | 1.33 | 1.29 | 3.77 | 1.80 | 1.06 | 0.34 | 1.47 | 0.00 | 0.00 | 0.00 | 11.67 |
| 1921-22 | 0.84 | 0.32 | 0.00 | 5.77 | 4.35 | 3.60 | 2.58 | 0.26 | 0.39 | 0.00 | 0.00 | 0.00 | 18.11 |
| 1922-23 | 0.00 | 0.55 | 1.26 | 4.15 | 0.00 | 1.26 | 0.35 | 3.60 | 0.00 | 0.05 | 0.00 | 0.00 | 11.22 |
| 1923-24 | 0.15 | 0.05 | 0.18 | 0.36 | 0.59 | 0.19 | 3.15 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 5.38 |
| 1924-25 | 0.00 | 0.82 | 0.85 | 1.43 | 0.84 | 1.75 | 3.52 | 2.63 | 1.21 | 0.08 | 0.00 | 0.00 | 13.13 |
| 1925-26 | 0.00 | 0.82 | 0.25 | 1.65 | 1.87 | 3.12 | 0.32 | 4.09 | 0.03 | 0.00 | 0.00 | 0.00 | 12.15 |
| 1926-27 | 0.00 | 0.49 | 4.68 | 0.81 | 1.91 | 6.02 | 2.16 | 1.43 | 0.08 | 0.00 | 0.00 | 0.00 | 17.58 |
| 1927-28 | 0.00 | 3.41 | 0.27 | 4.50 | 0.12 | 2.99 | 2.54 | 0.23 | 0.92 | 0.00 | 0.00 | 0.00 | 14.98 |
| 1928-29 | 0.00 | 0.23 | 2.79 | 2.18 | 1.70 | 1.02 | 1.16 | 1.21 | 0.00 | 0.10 | 0.00 | 0.00 | 10.39 |
| 1929-30 | 0.00 | 0.00 | 0.00 | 0.11 | 4.22 | 1.45 | 3.31 | 0.59 | 0.89 | 0.00 | 0.00 | 0.00 | 10.57 |
| 1930-31 | 0.29 | 0.00 | 1.64 | 0.00 | 3.92 | 1.92 | 0.12 | 0.65 | 1.10 | 0.00 | 0.00 | 0.14 | 9.78 |
| 1931-32 | 0.00 | 0.00 | 2.72 | 7.30 | 3.10 | 3.51 | 0.18 | 0.76 | 0.12 | 0.00 | 0.00 | 0.00 | 17.69 |
| 1932-33 | 0.17 | 0.04 | 0.01 | 1.38 | 6.95 | 0.30 | 0.55 | 0.66 | 0.28 | 1.26 | 0.00 | 0.00 | 11.60 |
| 1933-34 | 0.00 | 0.27 | 0.02 | 3.03 | 1.63 | 3.04 | 0.00 | 0.00 | 0.34 | 0.53 | 0.00 | 0.00 | 8.86 |
| 1934-35 | 0.00 | 1.42 | 3.00 | 1.70 | 4.18 | 1.66 | 3.37 | 2.58 | 0.17 | 0.00 | 0.00 | 0.15 | 18.23 |
| 1935-36 | 0.00 | 0.56 | 1.21 | 1.66 | 0.55 | 7.20 | 1.36 | 0.61 | 0.08 | 0.05 | 0.00 | 0.19 | 13.47 |
| 1936-37 | 0.07 | 2.73 | 0.00 | 4.43 | 3.66 | 5.34 | 4.82 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 21.30 |
| 1937-38 | 0.00 | 0.06 | 0.00 | 2.18 | 2.56 | 7.67 | 5.79 | 1.43 | 0.02 | 0.00 | 0.00 | 0.00 | 19.71 |
| 1938-39 | 0.89 | 0.16 | 0.13 | 3.54 | 3.05 | 1.96 | 2.84 | 0.10 | 0.05 | 0.00 | 0.00 | 0.00 | 12.72 |
| 1939-40 | 1.95 | 0.56 | 1.05 | 1.45 | 4.77 | 2.75 | 1.06 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 15.52 |
| 1940-41 | 0.00 | 0.46 | 0.10 | 6.04 | 6.44 | 8.15 | 10.13 | 3.83 | 0.06 | 0.00 | 0.05 | 0.03 | 35.29 |
| 1941-42 | 0.00 | 1.05 | 0.32 | 7.91 | 1.86 | 0.70 | 1.95 | 3.63 | 0.23 | 0.00 | 0.00 | 0.07 | 17.72 |
| 1942-43 | 0.00 | 0.80 | 0.72 | 1.93 | 6.83 | 2.18 | 2.84 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.30 |
| 1943-44 | 0.00 | 0.93 | 0.17 | 4.22 | 1.93 | 7.36 | 1.04 | 1.65 | 0.06 | 0.00 | 0.00 | 0.00 | 17.36 |
| 1944-45 | 0.00 | 0.00 | 3.17 | 1.55 | 0.10 | 3.95 | 3.26 | 0.09 | 0.02 | 0.02 | 0.00 | 0.09 | 12.25 |
| 1945-46 | 0.00 | 0.52 | 0.90 | 3.88 | 0.64 | 1.40 | 4.77 | 1.19 | 0.11 | 0.00 | 0.00 | 0.00 | 13.41 |
| 1946-47 | 0.00 | 0.30 | 4.84 | 1.33 | 0.53 | 0.70 | 0.91 | 0.12 | 0.11 | 0.03 | 0.00 | 0.05 | 8.92 |
| 1947-48 | 0.00 | 0.34 | 0.01 | 0.56 | 0.01 | 1.36 | 3.26 | 1.72 | 0.76 | 0.06 | 0.00 | 0.00 | 8.08 |
| 1948-49 | 0.00 | 0.15 | 0.00 | 3.58 | 1.28 | 1.61 | 4.12 | 0.24 | 0.75 | 0.00 | 0.00 | 0.00 | 11.73 |
| 1949-50 | 0.00 | 0.02 | 1.63 | 3.63 | 2.52 | 1.46 | 1.51 | 0.62 | 0.15 | 0.00 | 0.90 | 0.00 | 12.44 |
| 1950-51 | 0.00 | 0.86 | 1.83 | 0.68 | 2.09 | 1.61 | 1.42 | 1.69 | 0.02 | 0.00 | 0.00 | 0.00 | 10.20 |
| 1951-52 | 0.00 | 0.80 | 1.21 | 4.31 | 6.59 | 0.36 | 7.78 | 0.57 | 0.02 | 0.03 | 0.02 | 0.00 | 21.69 |
| 1952-53 | 0.00 | 0.00 | 3.40 | 5.39 | 1.26 | 0.00 | 1.08 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 12.40 |
| 1953-54 | 0.00 | 0.00 | 2.51 | 0.25 | 4.64 | 1.47 | 4.31 | 0.26 | 0.02 | 0.00 | 0.00 | 0.00 | 13.46 |
| 1954-55 | 0.00 | 0.00 | 1.29 | 2.68 | 4.42 | 1.42 | 0.33 | 1.86 | 1.21 | 0.02 | 0.00 | 0.01 | 13.24 |
| 1955-56 | 0.00 | 0.00 | 1.96 | 6.47 | 4.70 | 0.59 | 0.00 | 1.88 | 1.19 | 0.00 | 0.00 | 0.00 | 16.79 |
| 1956-57 | 0.00 | 0.64 | 0.00 | 0.36 | 3.17 | 2.20 | 1.24 | 1.30 | 1.28 | 0.08 | 0.00 | 0.00 | 10.27 |
| 1957-58 | 0.00 | 0.82 | 0.43 | 3.51 | 3.03 | 7.19 | 5.85 | 6.39 | 0.33 | 0.00 | 0.00 | 0.00 | 27.55 |
| 1958-59 | 1.62 | 0.00 | 0.17 | 0.21 | 2.50 | 4.98 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 10.16 |
| 1959-60 | 0.05 | 0.00 | 0.00 | 0.89 | 4.50 | 3.97 | 0.79 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 12.85 |
| 1960-61 | 0.00 | 0.64 | 3.23 | 1.02 | 0.90 | 0.12 | 0.88 | 0.25 | 0.16 | 0.00 | 0.00 | 0.00 | 7.20 |
| 1961-62 | 0.00 | 0.00 | 3.35 | 2.36 | 2.94 | 12.51 | 1.97 | 0.04 | 0.10 | 0.00 | 0.00 | 0.00 | 23.27 |
| 1962-63 | 0.00 | 0.46 | 0.01 | 0.44 | 0.48 | 4.76 | 3.63 | 2.61 | 0.30 | 0.17 | 0.00 | 0.31 | 13.17 |
| 1963-64 | 1.01 | 1.14 | 2.03 | 0.16 | 1.81 | 0.12 | 1.99 | 1.49 | 0.44 | 0.07 | 0.02 | 0.00 | 10.28 |
| 1964-65 | 0.00 | 1.47 | 2.41 | 2.11 | 0.72 | 0.51 | 2.37 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 | 13.79 |
| 1965-66 | 0.00 | 0.01 | 5.79 | 3.43 | 2.03 | 0.87 | 0.28 | 0.09 | 0.03 | 0.02 | 0.00 | 0.00 | 12.55 |
| 1966-67 | 0.09 | 0.00 | 2.02 | 5.39 | 4.67 | 0.31 | 2.30 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 | 19.76 |
| 1967-68 | 0.28 | 0.00 | 2.06 | 1.03 | 1.45 | 0.88 | 2.83 | 0.97 | 0.16 | 0.00 | 0.00 | 0.00 | 9.66 |
| 1968-69 | 0.00 | 1.93 | 1.18 | 1.80 | 9.39 | 9.47 | 1.33 | 1.90 | 0.10 | 0.00 | 0.00 | 0.00 | 27.10 |
| 1969-70 | 0.11 | 0.13 | 1.54 | 0.53 | 3.06 | 1.35 | 3.25 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 10.16 |
| 1970-71 | 0.00 | 0.03 | 2.93 | 4.44 | 0.80 | 0.62 | 0.66 | 0.74 | 0.95 | 0.00 | 0.00 | 0.00 | 11.17 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 204** **Station Type: Alert, Data Logger w/TB** **Latitude: 344443 Longitude: 1201647**

**Station Name: Los Alamos Fire Station #24** **Elevation (ft): 580** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1971-72 | 0.04 | 0.27 | 0.36 | 6.02 | 0.09 | 0.28 | 0.00 | 0.19 | 0.10 | 0.00 | 0.05 | 0.00 | 7.40 |
| 1972-73 | 0.00 | 0.55 | 3.84 | 1.22 | 4.99 | 7.21 | 3.48 | 0.05 | 0.19 | 0.00 | 0.00 | 0.00 | 21.53 |
| 1973-74 | 0.05 | 0.32 | 2.42 | 2.23 | 5.92 | 0.13 | 4.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 16.03 |
| 1974-75 | 0.00 | 1.01 | 0.26 | 5.12 | 0.21 | 4.23 | 5.29 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 16.98 |
| 1975-76 | 0.00 | 0.84 | 0.00 | 0.17 | 0.01 | 6.68 | 1.67 | 1.31 | 0.03 | 0.13 | 0.02 | 0.44 | 11.30 |
| 1976-77 | 4.82 | 0.38 | 0.39 | 0.77 | 2.60 | 0.13 | 2.02 | 0.01 | 2.84 | 0.00 | 0.00 | 0.00 | 13.96 |
| 1977-78 | 0.00 | 0.00 | 0.14 | 3.10 | 5.62 | 8.22 | 7.66 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 | 27.62 |
| 1978-79 | 2.17 | 0.00 | 2.08 | 1.96 | 4.59 | 3.80 | 5.22 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 19.86 |
| 1979-80 | 0.20 | 0.92 | 0.69 | 1.80 | 4.25 | 6.91 | 2.42 | 1.55 | 0.28 | 0.00 | 0.01 | 0.00 | 19.03 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 0.86 | 2.87 | 2.75 | 6.34 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 13.30 |
| 1981-82 | 0.00 | 0.57 | 0.92 | 0.86 | 2.90 | 0.79 | 5.50 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 14.44 |
| 1982-83 | 0.31 | 1.48 | 4.64 | 2.46 | 8.16 | 5.23 | 8.67 | 4.18 | 0.26 | 0.00 | 0.00 | 0.31 | 35.70 |
| 1983-84 | 0.05 | 1.22 | 3.20 | 3.61 | 0.01 | 0.41 | 0.57 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 9.66 |
| 1984-85 | 0.00 | 0.70 | 3.14 | 3.63 | 0.58 | 0.97 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 10.44 |
| 1985-86 | 0.00 | 0.41 | 3.49 | 0.44 | 1.19 | 4.70 | 5.37 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 15.87 |
| 1986-87 | 0.78 | 0.00 | 1.25 | 1.25 | 1.55 | 1.84 | 4.24 | 0.30 | 0.00 | 0.50 | 0.00 | 0.00 | 11.71 |
| 1987-88 | 0.00 | 1.32 | 1.38 | 3.68 | 1.94 | 2.42 | 1.03 | 2.99 | 0.11 | 0.19 | 0.00 | 0.00 | 15.06 |
| 1988-89 | 0.00 | 0.00 | 1.06 | 4.27 | 0.39 | 1.16 | 0.70 | 0.22 | 0.44 | 0.00 | 0.00 | 0.00 | 8.24 |
| 1989-90 | 0.62 | 0.48 | 0.27 | 0.00 | 3.41 | 2.06 | 0.43 | 0.41 | 0.39 | 0.00 | 0.00 | 0.00 | 8.07 |
| 1990-91 | 0.23 | 0.00 | 0.29 | 0.54 | 1.20 | 1.69 | 12.33 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 16.48 |
| 1991-92 | 0.00 | 0.38 | 0.19 | 3.93 | 2.57 | 6.95 | 2.90 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 17.00 |
| 1992-93 | 0.00 | 1.07 | 0.00 | 4.12 | 7.15 | 7.14 | 4.74 | 0.10 | 0.28 | 0.11 | 0.00 | 0.00 | 24.71 |
| 1993-94 | 0.00 | 0.26 | 1.02 | 1.57 | 1.76 | 4.43 | 2.43 | 0.79 | 1.11 | 0.00 | 0.00 | 0.00 | 13.37 |
| 1994-95 | 0.09 | 0.64 | 1.73 | 1.19 | 14.92 | 1.85 | 6.74 | 0.45 | 0.79 | 0.79 | 0.00 | 0.00 | 29.19 |
| 1995-96 | 0.00 | 0.00 | 0.25 | 1.17 | 1.68 | 8.97 | 2.33 | 0.85 | 0.22 | 0.03 | 0.00 | 0.00 | 15.50 |
| 1996-97 | 0.00 | 2.25 | 1.84 | 4.62 | 4.24 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 13.16 |
| 1997-98 | 0.54 | 0.00 | 3.66 | 4.08 | 4.19 | 14.94 | 3.05 | 3.34 | 2.38 | 0.05 | 0.00 | 0.00 | 36.23 |
| 1998-99 | 0.50 | 0.14 | 1.99 | 1.12 | 2.62 | 1.21 | 6.31 | 2.13 | 0.00 | 0.00 | 0.00 | 0.13 | 16.15 |
| 1999-00 | 0.00 | 0.00 | 1.66 | 0.03 | 1.53 | 8.78 | 1.88 | 3.45 | 0.00 | 0.18 | 0.00 | 0.00 | 17.51 |
| 2000-01 | 0.00 | 2.30 | 0.00 | 0.03 | 5.13 | 5.22 | 3.99 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 18.33 |
| 2001-02 | 0.00 | 0.54 | 3.03 | 1.90 | 0.94 | 0.26 | 0.66 | 0.19 | 0.15 | 0.00 | 0.00 | 0.01 | 7.68 |
| 2002-03 | 0.01 | 0.00 | 2.61 | 5.00 | 0.04 | 2.46 | 1.70 | 1.67 | 1.31 | 0.03 | 0.00 | 0.00 | 14.83 |
| 2003-04 | 0.01 | 0.00 | 1.32 | 1.90 | 0.69 | 4.95 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.36 |
| 2004-05 | 0.00 | 4.52 | 0.97 | 5.94 | 6.10 | 5.25 | 3.83 | 0.81 | 0.83 | 0.01 | 0.00 | 0.00 | 28.26 |
| 2005-06 | 0.10 | 0.70 | 1.70 | 1.09 | 4.51 | 1.07 | 4.21 | 4.08 | 0.85 | 0.00 | 0.00 | 0.00 | 18.31 |
| 2006-07 | 0.00 | 0.69 | 0.21 | 1.23 | 1.21 | 2.20 | 0.14 | 0.54 | 0.04 | 0.00 | 0.00 | 0.03 | 6.29 |
| 2007-08 | 0.70 | 0.52 | 0.02 | 2.60 | 11.40 | 1.72 | 0.02 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 17.03 |
| 2008-09 | 0.00 | 0.02 | 2.16 | 2.02 | 0.23 | 5.16 | 0.64 | 0.13 | 0.05 | 0.10 | 0.00 | 0.00 | 10.51 |
| 2009-10 | 0.01 | 1.41 | 0.00 | 2.85 | 6.69 | 3.60 | 0.41 | 2.58 | 0.06 | 0.00 | 0.00 | 0.00 | 17.61 |
| 2010-11 | 0.00 | 1.50 | 0.98 | 8.68 | 1.46 | 3.74 | 4.72 | 0.14 | 0.20 | 0.26 | 0.00 | 0.00 | 21.68 |
| 2011-12 | 0.04 | 0.64 | 2.12 | 0.18 | 1.54 | 0.30 | 2.79 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 | 10.56 |
| 2012-13 | 0.00 | 0.07 | 0.73 | 2.95 | 0.83 | 0.66 | 0.98 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 6.31 |
| 2013-14 | 0.00 | 0.29 | 0.48 | 0.21 | 0.00 | 2.51 | 1.98 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 |
| 2014-15 | 0.00 | 0.01 | 1.09 | 3.60 | 1.04 | 0.97 | 0.40 | 0.32 | 0.06 | 0.08 | 0.07 | 0.01 | 7.65 |
| 2015-16 | 0.05 | 0.12 | 0.75 | 1.71 | 3.51 | 1.26 | 3.15 | 1.13 | 0.11 | 0.00 | 0.00 | 0.00 | 11.79 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 204** **Station Type: Alert, Data Logger w/TB** **Latitude: 344443 Longitude: 1201647**

**Station Name: Los Alamos Fire Station #24** **Elevation (ft): 580** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 20.49 | 56.66 | 141.06 | 260.50 | 314.97 | 339.13 | 295.42 | 128.91 | 33.11 | 5.38 | 1.35 | 3.39 | 1600.37 |
| N | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| Mean | 0.20 | 0.54 | 1.34 | 2.48 | 3.00 | 3.23 | 2.81 | 1.23 | 0.32 | 0.05 | 0.01 | 0.03 | 15.24 |
| Max | 4.82 | 4.52 | 5.79 | 8.68 | 14.92 | 14.94 | 12.41 | 6.39 | 2.84 | 1.26 | 0.90 | 1.20 | 36.23 |
| StdDev | 0.59 | 0.74 | 1.32 | 1.96 | 2.74 | 3.02 | 2.55 | 1.31 | 0.52 | 0.16 | 0.09 | 0.13 | 6.44 |
| CV | 3.02 | 1.36 | 0.98 | 0.79 | 0.91 | 0.94 | 0.91 | 1.07 | 1.66 | 3.21 | 6.90 | 4.13 | 0.42 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.35 | 1.03 | 2.15 | 2.32 | 2.65 | 2.37 | 0.86 | 0.10 | 0.00 | 0.00 | 0.00 | 14.03 |
| 5 | 0.33 | 0.98 | 2.33 | 4.06 | 4.84 | 5.63 | 4.65 | 2.13 | 0.59 | 0.10 | 0.02 | 0.04 | 20.27 |
| 10 | 0.74 | 1.45 | 3.20 | 5.27 | 6.59 | 7.51 | 6.09 | 3.03 | 1.02 | 0.21 | 0.06 | 0.14 | 24.23 |
| 25 | 1.37 | 2.05 | 4.29 | 6.73 | 8.83 | 9.82 | 7.86 | 4.20 | 1.63 | 0.39 | 0.12 | 0.32 | 29.06 |
| 50 | 1.90 | 2.51 | 5.08 | 7.77 | 10.50 | 11.51 | 9.15 | 5.06 | 2.10 | 0.53 | 0.17 | 0.47 | 32.61 |
| 100 | 2.45 | 2.96 | 5.87 | 8.77 | 12.15 | 13.11 | 10.38 | 5.92 | 2.58 | 0.69 | 0.23 | 0.63 | 35.96 |
| 200 | 3.02 | 3.41 | 6.64 | 9.75 | 13.77 | 14.68 | 11.58 | 6.77 | 3.07 | 0.84 | 0.29 | 0.81 | 39.25 |
| 500 | 4.18 | 4.16 | 7.86 | 11.17 | 16.44 | 16.98 | 13.34 | 8.19 | 3.92 | 1.16 | 0.42 | 1.17 | 44.08 |
| 1000 | 4.40 | 4.44 | 8.40 | 11.92 | 17.50 | 18.16 | 14.24 | 8.74 | 4.23 | 1.22 | 0.44 | 1.23 | 46.56 |
| 10000 | 6.46 | 5.91 | 10.85 | 14.90 | 22.76 | 23.02 | 17.97 | 11.50 | 5.93 | 1.78 | 0.66 | 1.87 | 56.75 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 212** **Station Type: Alert, Data Logger w/TB** **Latitude: 343043 Longitude: 1194923**

**Station Name: San Marcos Pass** **Elevation (ft): 2235** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1965-66 | 0.27 | 0.00 | 21.13 | 9.45 | 2.57 | 1.19 | 0.15 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 35.08 |
| 1966-67 | 0.00 | 0.00 | 6.00 | 13.09 | 9.22 | 0.80 | 5.46 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 | 41.36 |
| 1967-68 | 0.17 | 0.00 | 5.36 | 3.12 | 1.91 | 2.51 | 5.07 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 20.33 |
| 1968-69 | 0.00 | 2.10 | 1.34 | 4.12 | 46.80 | 20.75 | 0.87 | 5.23 | 0.00 | 0.00 | 0.00 | 0.00 | 81.21 |
| 1969-70 | 0.00 | 0.00 | 0.00 | 0.44 | 5.39 | 8.10 | 4.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.85 |
| 1970-71 | 0.00 | 0.12 | 11.35 | 6.41 | 1.71 | 1.32 | 1.26 | 1.04 | 1.95 | 0.00 | 0.00 | 0.00 | 25.16 |
| 1971-72 | 0.00 | 0.57 | 0.88 | 15.09 | 0.45 | 0.59 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 17.88 |
| 1972-73 | 0.00 | 0.00 | 10.28 | 1.46 | 11.34 | 21.89 | 5.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.67 |
| 1973-74 | 0.00 | 1.94 | 5.51 | 3.96 | 11.67 | 0.31 | 9.53 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 33.09 |
| 1974-75 | 0.00 | 1.57 | 0.14 | 10.74 | 0.52 | 9.00 | 10.85 | 3.39 | 0.00 | 0.00 | 0.00 | 0.00 | 36.21 |
| 1975-76 | 0.00 | 0.99 | 0.53 | 0.14 | 0.00 | 14.07 | 2.47 | 2.65 | 0.00 | 0.22 | 0.00 | 0.00 | 21.07 |
| 1976-77 | 7.23 | 1.22 | 0.85 | 0.79 | 6.24 | 0.12 | 1.41 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 18.82 |
| 1977-78 | 0.00 | 0.00 | 0.22 | 5.67 | 17.73 | 16.62 | 19.76 | 5.21 | 0.00 | 0.00 | 0.00 | 0.00 | 65.21 |
| 1978-79 | 1.80 | 0.00 | 2.39 | 2.79 | 10.02 | 7.00 | 8.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.52 |
| 1979-80 | 0.68 | 0.75 | 1.15 | 2.96 | 10.59 | 22.47 | 5.86 | 1.74 | 0.56 | 0.00 | 0.38 | 0.00 | 47.14 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 2.99 | 7.77 | 2.80 | 11.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.59 |
| 1981-82 | 0.00 | 1.09 | 4.26 | 0.66 | 6.67 | 1.10 | 14.62 | 3.87 | 0.00 | 0.38 | 0.00 | 0.00 | 32.65 |
| 1982-83 | 2.92 | 1.52 | 16.51 | 8.00 | 19.88 | 15.67 | 12.19 | 11.13 | 0.13 | 0.00 | 0.00 | 0.00 | 87.95 |
| 1983-84 | 3.23 | 3.13 | 6.75 | 10.48 | 0.22 | 0.55 | 0.92 | 0.11 | 0.00 | 0.00 | 0.40 | 0.48 | 26.27 |
| 1984-85 | 0.00 | 0.24 | 4.68 | 8.30 | 0.81 | 3.23 | 2.37 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 20.08 |
| 1985-86 | 0.22 | 0.97 | 8.29 | 1.61 | 4.98 | 17.19 | 9.51 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 43.05 |
| 1986-87 | 1.77 | 0.00 | 1.47 | 0.75 | 2.94 | 3.53 | 7.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 |
| 1987-88 | 0.00 | 3.37 | 1.65 | 5.19 | 5.25 | 5.77 | 0.15 | 6.86 | 0.44 | 0.00 | 0.00 | 0.00 | 28.68 |
| 1988-89 | 0.00 | 0.00 | 1.78 | 6.66 | 0.77 | 6.07 | 2.51 | 0.14 | 0.42 | 0.00 | 0.00 | 0.00 | 18.35 |
| 1989-90 | 0.16 | 1.21 | 1.32 | 0.00 | 6.45 | 6.12 | 0.00 | 0.38 | 1.82 | 0.00 | 0.00 | 0.00 | 17.46 |
| 1990-91 | 0.00 | 0.00 | 0.42 | 0.59 | 2.18 | 8.01 | 21.56 | 0.00 | 0.00 | 1.40 | 0.00 | 0.36 | 34.52 |
| 1991-92 | 0.00 | 0.00 | 0.12 | 8.15 | 3.41 | 19.11 | 9.17 | 0.00 | 0.05 | 0.00 | 1.00 | 0.00 | 41.01 |
| 1992-93 | 0.00 | 3.69 | 0.00 | 9.91 | 22.43 | 13.92 | 9.00 | 0.00 | 0.40 | 0.57 | 0.00 | 0.00 | 59.92 |
| 1993-94 | 0.00 | 0.20 | 2.05 | 2.35 | 1.59 | 9.58 | 2.89 | 0.93 | 0.69 | 0.00 | 0.00 | 0.00 | 20.28 |
| 1994-95 | 0.00 | 0.70 | 2.30 | 1.60 | 35.20 | 5.10 | 17.04 | 0.50 | 1.40 | 0.40 | 0.00 | 0.00 | 64.24 |
| 1995-96 | 0.00 | 0.00 | 0.24 | 3.56 | 2.08 | 13.07 | 3.03 | 1.59 | 1.52 | 0.07 | 0.01 | 0.00 | 25.17 |
| 1996-97 | 0.00 | 4.37 | 4.03 | 8.58 | 9.51 | 0.15 | 0.00 | 0.00 | 0.00 | 0.13 | 0.08 | 0.34 | 27.19 |
| 1997-98 | 0.22 | 0.04 | 5.19 | 9.72 | 8.73 | 33.18 | 4.27 | 4.20 | 7.88 | 0.44 | 0.00 | 0.00 | 73.87 |
| 1998-99 | 0.84 | 0.18 | 1.22 | 1.89 | 3.16 | 2.88 | 6.30 | 2.67 | 0.00 | 0.23 | 0.46 | 0.00 | 19.83 |
| 1999-00 | 0.05 | 0.00 | 1.66 | 0.00 | 2.18 | 15.05 | 3.47 | 4.84 | 0.10 | 0.28 | 0.00 | 0.00 | 27.63 |
| 2000-01 | 0.24 | 4.52 | 0.00 | 0.20 | 13.11 | 10.69 | 14.04 | 4.34 | 0.17 | 0.01 | 0.04 | 0.00 | 47.36 |
| 2001-02 | 0.00 | 0.70 | 6.78 | 3.73 | 1.23 | 0.59 | 1.25 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 14.50 |
| 2002-03 | 0.72 | 0.06 | 7.42 | 10.65 | 0.18 | 5.08 | 6.60 | 5.03 | 3.28 | 0.47 | 0.01 | 0.00 | 39.50 |
| 2003-04 | 0.01 | 0.01 | 2.58 | 4.10 | 0.76 | 10.98 | 0.69 | 0.01 | 0.00 | 0.05 | 0.00 | 0.00 | 19.19 |
| 2004-05 | 0.01 | 10.30 | 0.38 | 14.86 | 24.96 | 12.29 | 5.94 | 1.28 | 2.11 | 0.00 | 0.00 | 0.00 | 72.13 |
| 2005-06 | 0.06 | 0.93 | 2.52 | 1.01 | 9.21 | 4.95 | 6.85 | 9.93 | 2.09 | 0.00 | 0.00 | 0.12 | 37.67 |
| 2006-07 | 0.00 | 0.29 | 0.28 | 1.59 | 3.59 | 3.90 | 0.20 | 0.99 | 0.01 | 0.00 | 0.02 | 0.03 | 10.90 |
| 2007-08 | 0.48 | 0.56 | 0.04 | 8.40 | 24.32 | 3.96 | 0.01 | 0.32 | 1.04 | 0.00 | 0.01 | 0.00 | 39.14 |
| 2008-09 | 0.01 | 0.23 | 2.92 | 4.10 | 2.16 | 7.04 | 1.29 | 0.54 | 0.01 | 0.24 | 0.00 | 0.11 | 18.65 |
| 2009-10 | 0.02 | 10.35 | 0.00 | 6.67 | 9.49 | 7.10 | 0.77 | 5.21 | 0.25 | 0.01 | 0.03 | 0.00 | 39.90 |
| 2010-11 | 0.00 | 3.31 | 3.27 | 17.84 | 1.42 | 5.44 | 14.08 | 0.17 | 1.27 | 1.81 | 0.00 | 0.00 | 48.61 |
| 2011-12 | 0.10 | 1.58 | 3.21 | 0.85 | 2.44 | 0.29 | 6.05 | 4.11 | 0.02 | 0.00 | 0.01 | 0.00 | 18.66 |
| 2012-13 | 0.10 | 0.18 | 7.00 | 5.20 | 2.63 | 0.36 | 1.33 | 0.71 | 0.42 | 0.02 | 0.01 | 0.00 | 17.96 |
| 2013-14 | 0.00 | 0.10 | 1.44 | 0.28 | 0.00 | 5.78 | 3.40 | 1.01 | 0.01 | 0.01 | 0.02 | 0.00 | 12.05 |
| 2014-15 | 0.00 | 0.00 | 1.30 | 11.51 | 1.32 | 1.51 | 0.85 | 0.98 | 0.54 | 0.82 | 0.03 | 0.00 | 18.86 |
| 2015-16 | 0.59 | 0.28 | 0.46 | 1.02 | 6.15 | 3.94 | 6.83 | 1.11 | 0.11 | 0.09 | 0.00 | 0.00 | 20.58 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 212** **Station Type: Alert, Data Logger w/TB** **Latitude: 343043 Longitude: 1194923**

**Station Name: San Marcos Pass** **Elevation (ft): 2235** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 21.90 | 63.37 | 170.67 | 263.23 | 385.34 | 392.72 | 289.80 | 102.40 | 30.19 | 7.65 | 2.51 | 1.44 | 1731.22 |
| N | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| Mean | 0.43 | 1.24 | 3.35 | 5.16 | 7.56 | 7.70 | 5.68 | 2.01 | 0.59 | 0.15 | 0.05 | 0.03 | 33.95 |
| Max | 7.23 | 10.35 | 21.13 | 17.84 | 46.80 | 33.18 | 21.56 | 11.13 | 7.88 | 1.81 | 1.00 | 0.48 | 87.95 |
| StdDev | 1.18 | 2.19 | 4.22 | 4.52 | 9.31 | 7.21 | 5.35 | 2.64 | 1.26 | 0.35 | 0.17 | 0.10 | 18.52 |
| CV | 2.74 | 1.76 | 1.26 | 0.88 | 1.23 | 0.94 | 0.94 | 1.31 | 2.13 | 2.30 | 3.37 | 3.37 | 0.55 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.80 | 2.55 | 4.47 | 5.86 | 6.33 | 4.79 | 1.41 | 0.19 | 0.00 | 0.00 | 0.00 | 31.26 |
| 5 | 0.73 | 2.26 | 5.79 | 8.46 | 12.18 | 13.42 | 9.39 | 3.48 | 1.11 | 0.28 | 0.08 | 0.04 | 45.15 |
| 10 | 1.63 | 3.34 | 7.97 | 10.97 | 16.60 | 17.92 | 12.31 | 4.95 | 1.91 | 0.62 | 0.22 | 0.13 | 53.96 |
| 25 | 3.02 | 4.73 | 10.69 | 14.01 | 22.24 | 23.40 | 15.87 | 6.87 | 3.05 | 1.14 | 0.46 | 0.28 | 64.71 |
| 50 | 4.18 | 5.78 | 12.65 | 16.17 | 26.46 | 27.44 | 18.49 | 8.27 | 3.94 | 1.56 | 0.67 | 0.41 | 72.63 |
| 100 | 5.39 | 6.81 | 14.62 | 18.25 | 30.61 | 31.26 | 20.96 | 9.67 | 4.85 | 2.01 | 0.89 | 0.55 | 80.10 |
| 200 | 6.66 | 7.84 | 16.55 | 20.29 | 34.69 | 34.99 | 23.38 | 11.08 | 5.77 | 2.46 | 1.11 | 0.70 | 87.42 |
| 500 | 9.20 | 9.58 | 19.58 | 23.24 | 41.42 | 40.48 | 26.94 | 13.40 | 7.36 | 3.38 | 1.59 | 1.02 | 98.17 |
| 1000 | 9.68 | 10.21 | 20.93 | 24.80 | 44.07 | 43.30 | 28.77 | 14.29 | 7.95 | 3.57 | 1.67 | 1.07 | 103.70 |
| 10000 | 14.20 | 13.60 | 27.03 | 31.00 | 57.33 | 54.89 | 36.28 | 18.81 | 11.13 | 5.20 | 2.51 | 1.63 | 126.40 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 234** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 342531 Longitude: 1194212**

**Station Name: Santa Barbara (Downtown-County Building)** **Elevation (ft): 130** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1899-00 | 0.00 | 2.06 | 1.97 | 2.35 | 2.32 | 0.05 | 1.58 | 0.42 | 1.90 | 0.01 | 0.02 | 0.00 | 12.68 |
| 1900-01 | 0.04 | 0.15 | 3.99 | 0.02 | 4.86 | 3.65 | 0.16 | 2.07 | 0.34 | 0.10 | 0.06 | 0.09 | 15.53 |
| 1901-02 | 0.36 | 2.42 | 1.16 | 0.00 | 1.36 | 4.40 | 2.89 | 1.40 | 0.07 | 0.00 | 0.00 | 0.00 | 14.06 |
| 1902-03 | 0.00 | 1.48 | 4.01 | 2.24 | 2.06 | 1.63 | 6.12 | 2.91 | 0.27 | 0.02 | 0.00 | 0.00 | 20.74 |
| 1903-04 | 0.00 | 0.00 | 0.05 | 0.00 | 0.46 | 4.73 | 4.35 | 1.89 | 0.09 | 0.00 | 0.00 | 0.10 | 11.67 |
| 1904-05 | 7.15 | 0.51 | 0.00 | 1.53 | 3.73 | 8.22 | 6.40 | 0.51 | 1.44 | 0.05 | 0.18 | 0.00 | 29.72 |
| 1905-06 | 0.03 | 0.16 | 1.13 | 0.07 | 4.26 | 3.67 | 9.96 | 0.83 | 2.40 | 0.00 | 0.00 | 0.04 | 22.55 |
| 1906-07 | 0.00 | 0.00 | 0.35 | 6.46 | 12.46 | 2.34 | 5.64 | 0.27 | 0.00 | 0.16 | 0.00 | 0.03 | 27.71 |
| 1907-08 | 0.00 | 6.23 | 0.00 | 1.80 | 4.26 | 5.96 | 0.21 | 0.49 | 0.20 | 0.00 | 0.00 | 0.00 | 19.15 |
| 1908-09 | 1.16 | 0.20 | 1.84 | 2.48 | 15.67 | 7.96 | 6.91 | 0.00 | 0.03 | 0.08 | 0.00 | 0.01 | 36.34 |
| 1909-10 | 0.17 | 0.57 | 2.34 | 9.53 | 2.89 | 0.08 | 3.62 | 0.39 | 0.00 | 0.00 | 0.02 | 0.00 | 19.61 |
| 1910-11 | 2.56 | 0.29 | 0.33 | 0.75 | 14.21 | 4.92 | 7.76 | 1.02 | 0.03 | 0.05 | 0.00 | 0.00 | 31.92 |
| 1911-12 | 0.12 | 0.28 | 0.02 | 2.33 | 0.42 | 0.00 | 9.45 | 2.12 | 1.58 | 0.00 | 0.00 | 0.00 | 16.32 |
| 1912-13 | 0.00 | 0.28 | 0.21 | 0.00 | 3.14 | 6.28 | 0.64 | 1.04 | 0.19 | 0.50 | 0.09 | 0.07 | 12.44 |
| 1913-14 | 0.17 | 0.00 | 3.43 | 2.70 | 15.91 | 7.30 | 0.95 | 0.70 | 0.03 | 0.16 | 0.05 | 0.00 | 31.40 |
| 1914-15 | 0.00 | 0.12 | 0.04 | 4.38 | 4.94 | 8.03 | 1.15 | 0.97 | 1.57 | 0.00 | 0.00 | 0.00 | 21.20 |
| 1915-16 | 0.05 | 0.00 | 0.65 | 4.06 | 17.22 | 1.89 | 1.81 | 0.30 | 0.00 | 0.00 | 0.00 | 0.11 | 26.09 |
| 1916-17 | 1.90 | 2.82 | 0.10 | 6.12 | 3.05 | 7.61 | 0.28 | 0.28 | 0.09 | 0.00 | 0.00 | 0.03 | 22.28 |
| 1917-18 | 0.05 | 0.00 | 0.17 | 0.03 | 0.51 | 10.47 | 10.37 | 0.05 | 0.00 | 0.00 | 0.25 | 0.29 | 22.19 |
| 1918-19 | 2.13 | 0.02 | 3.64 | 0.83 | 1.20 | 1.95 | 2.62 | 0.17 | 1.07 | 0.00 | 0.00 | 0.00 | 13.63 |
| 1919-20 | 0.84 | 0.27 | 0.23 | 2.11 | 0.33 | 5.83 | 4.20 | 0.81 | 0.00 | 0.08 | 0.00 | 0.00 | 14.70 |
| 1920-21 | 0.00 | 0.40 | 0.56 | 1.51 | 5.32 | 1.58 | 1.77 | 0.38 | 2.69 | 0.10 | 0.00 | 0.00 | 14.31 |
| 1921-22 | 0.24 | 0.32 | 0.02 | 7.25 | 4.64 | 3.48 | 2.73 | 0.09 | 0.45 | 0.00 | 0.00 | 0.00 | 19.22 |
| 1922-23 | 0.00 | 0.37 | 1.98 | 8.71 | 1.93 | 0.91 | 0.00 | 3.29 | 0.00 | 0.03 | 0.00 | 0.03 | 17.25 |
| 1923-24 | 0.13 | 0.25 | 0.00 | 0.08 | 1.63 | 0.06 | 3.66 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 6.43 |
| 1924-25 | 0.00 | 0.85 | 1.20 | 1.20 | 0.60 | 1.45 | 2.79 | 1.89 | 2.23 | 0.05 | 0.05 | 0.00 | 12.31 |
| 1925-26 | 0.00 | 0.71 | 0.80 | 2.57 | 2.08 | 4.28 | 0.25 | 6.13 | 0.00 | 0.00 | 0.00 | 0.00 | 16.82 |
| 1926-27 | 0.00 | 0.36 | 6.84 | 0.62 | 1.94 | 9.86 | 2.28 | 0.78 | 0.00 | 0.00 | 0.00 | 0.05 | 22.73 |
| 1927-28 | 0.11 | 3.48 | 1.49 | 3.28 | 0.00 | 1.95 | 2.46 | 0.17 | 0.50 | 0.05 | 0.00 | 0.00 | 13.49 |
| 1928-29 | 0.00 | 0.10 | 2.46 | 4.41 | 1.53 | 2.28 | 2.39 | 1.17 | 0.00 | 0.20 | 0.00 | 0.00 | 14.54 |
| 1929-30 | 0.05 | 0.00 | 0.00 | 0.00 | 5.82 | 1.21 | 4.93 | 0.95 | 0.63 | 0.12 | 0.00 | 0.00 | 13.71 |
| 1930-31 | 0.01 | 0.04 | 2.64 | 0.00 | 4.25 | 4.07 | 0.00 | 1.43 | 2.11 | 0.00 | 0.00 | 0.23 | 14.78 |
| 1931-32 | 0.01 | 0.00 | 2.81 | 9.84 | 2.40 | 6.17 | 0.23 | 0.35 | 0.09 | 0.00 | 0.00 | 0.00 | 21.90 |
| 1932-33 | 0.11 | 0.10 | 0.00 | 0.67 | 6.42 | 0.00 | 0.30 | 0.20 | 0.11 | 0.75 | 0.00 | 0.00 | 8.66 |
| 1933-34 | 0.00 | 0.88 | 0.11 | 6.28 | 1.49 | 3.67 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 13.43 |
| 1934-35 | 0.04 | 1.89 | 3.48 | 3.63 | 4.10 | 1.58 | 3.16 | 3.32 | 0.00 | 0.00 | 0.07 | 0.27 | 21.54 |
| 1935-36 | 0.02 | 0.78 | 0.71 | 1.46 | 0.73 | 10.49 | 1.97 | 0.65 | 0.01 | 0.01 | 0.01 | 0.70 | 17.54 |
| 1936-37 | 0.00 | 1.86 | 0.00 | 6.93 | 3.15 | 7.99 | 4.88 | 0.03 | 0.11 | 0.00 | 0.00 | 0.00 | 24.95 |
| 1937-38 | 0.00 | 0.16 | 0.09 | 4.40 | 1.90 | 8.20 | 10.26 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 26.10 |
| 1938-39 | 0.19 | 0.14 | 0.08 | 4.94 | 2.84 | 1.27 | 3.62 | 0.17 | 0.10 | 0.00 | 0.00 | 0.00 | 13.35 |
| 1939-40 | 0.26 | 0.09 | 0.02 | 1.41 | 6.39 | 5.87 | 0.82 | 1.06 | 0.02 | 0.00 | 0.00 | 0.00 | 15.94 |
| 1940-41 | 0.00 | 0.75 | 0.43 | 8.92 | 9.68 | 8.21 | 11.71 | 5.50 | 0.01 | 0.00 | 0.03 | 0.01 | 45.25 |
| 1941-42 | 0.00 | 0.89 | 0.45 | 5.79 | 0.91 | 0.64 | 1.54 | 2.65 | 0.00 | 0.01 | 0.00 | 0.03 | 12.91 |
| 1942-43 | 0.03 | 0.74 | 0.59 | 1.26 | 11.67 | 2.33 | 2.32 | 0.88 | 0.01 | 0.00 | 0.00 | 0.00 | 19.83 |
| 1943-44 | 0.00 | 0.74 | 0.00 | 4.19 | 1.44 | 7.32 | 1.39 | 0.93 | 0.05 | 0.00 | 0.00 | 0.00 | 16.06 |
| 1944-45 | 0.01 | 0.00 | 3.21 | 1.12 | 0.85 | 4.31 | 3.98 | 0.03 | 0.03 | 0.05 | 0.00 | 0.00 | 13.59 |
| 1945-46 | 0.15 | 0.37 | 0.60 | 6.78 | 0.40 | 0.72 | 2.69 | 0.00 | 0.05 | 0.02 | 0.00 | 0.00 | 11.78 |
| 1946-47 | 0.00 | 0.89 | 6.00 | 3.17 | 0.60 | 0.76 | 1.80 | 0.10 | 0.08 | 0.00 | 0.00 | 0.01 | 13.41 |
| 1947-48 | 0.03 | 0.22 | 0.00 | 0.37 | 0.00 | 1.71 | 4.29 | 2.01 | 0.43 | 0.17 | 0.00 | 0.00 | 9.23 |
| 1948-49 | 0.00 | 0.08 | 0.00 | 2.64 | 1.40 | 1.35 | 2.78 | 0.24 | 2.43 | 0.03 | 0.00 | 0.00 | 10.95 |
| 1949-50 | 0.00 | 0.02 | 1.72 | 4.16 | 2.54 | 2.76 | 1.29 | 0.61 | 0.05 | 0.01 | 0.81 | 0.02 | 13.99 |
| 1950-51 | 0.41 | 1.21 | 1.88 | 0.50 | 2.53 | 1.21 | 1.20 | 1.45 | 0.01 | 0.01 | 0.00 | 0.06 | 10.47 |
| 1951-52 | 0.00 | 0.49 | 2.04 | 4.80 | 13.89 | 0.71 | 7.37 | 1.79 | 0.00 | 0.08 | 0.03 | 0.01 | 31.21 |
| 1952-53 | 0.04 | 0.10 | 3.60 | 5.26 | 1.78 | 0.03 | 0.71 | 1.42 | 0.17 | 0.29 | 0.00 | 0.00 | 13.40 |
| 1953-54 | 0.01 | 0.00 | 2.08 | 0.09 | 5.98 | 2.95 | 3.81 | 0.44 | 0.06 | 0.02 | 0.00 | 0.02 | 15.46 |
| 1954-55 | 0.00 | 0.03 | 2.03 | 3.60 | 4.39 | 2.29 | 0.70 | 3.45 | 0.40 | 0.01 | 0.00 | 0.01 | 16.91 |
| 1955-56 | 0.00 | 0.00 | 1.36 | 6.07 | 7.19 | 1.15 | 0.00 | 2.42 | 1.64 | 0.00 | 0.00 | 0.00 | 19.83 |
| 1956-57 | 0.00 | 0.11 | 0.00 | 0.14 | 5.39 | 3.74 | 0.54 | 2.31 | 1.57 | 0.06 | 0.00 | 0.00 | 13.86 |
| 1957-58 | 0.00 | 1.41 | 0.51 | 4.51 | 3.73 | 9.84 | 6.20 | 5.43 | 0.33 | 0.00 | 0.00 | 0.00 | 31.96 |
| 1958-59 | 0.27 | 0.00 | 0.11 | 0.04 | 2.73 | 5.08 | 0.00 | 0.89 | 0.02 | 0.00 | 0.00 | 0.00 | 9.14 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 234** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 342531 Longitude: 1194212**

**Station Name: Santa Barbara (Downtown-County Building)** **Elevation (ft): 130** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1959-60 | 0.01 | 0.01 | 0.00 | 1.01 | 3.12 | 3.39 | 0.63 | 2.64 | 0.00 | 0.01 | 0.00 | 0.00 | 10.82 |
| 1960-61 | 0.00 | 0.09 | 6.57 | 0.41 | 1.81 | 0.02 | 0.80 | 0.20 | 0.09 | 0.00 | 0.00 | 0.01 | 10.00 |
| 1961-62 | 0.04 | 0.00 | 3.74 | 1.47 | 2.18 | 17.33 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.17 |
| 1962-63 | 0.00 | 0.42 | 0.00 | 0.01 | 0.95 | 6.04 | 3.68 | 2.21 | 0.02 | 1.17 | 0.00 | 0.00 | 14.50 |
| 1963-64 | 0.79 | 0.87 | 2.62 | 0.00 | 1.42 | 0.00 | 1.70 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 8.50 |
| 1964-65 | 0.00 | 0.85 | 2.36 | 4.76 | 0.77 | 0.45 | 2.06 | 6.94 | 0.00 | 0.00 | 0.00 | 0.00 | 18.19 |
| 1965-66 | 0.09 | 0.00 | 7.86 | 3.72 | 1.54 | 0.74 | 0.07 | 0.00 | 0.11 | 0.00 | 0.00 | 0.02 | 14.15 |
| 1966-67 | 0.00 | 0.07 | 3.55 | 6.19 | 6.79 | 0.50 | 2.28 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 | 23.25 |
| 1967-68 | 0.14 | 0.00 | 4.02 | 1.09 | 1.44 | 2.02 | 4.22 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 13.55 |
| 1968-69 | 0.00 | 1.06 | 0.63 | 1.79 | 15.55 | 8.35 | 1.00 | 1.92 | 0.06 | 0.08 | 0.02 | 0.00 | 30.46 |
| 1969-70 | 0.05 | 0.07 | 2.03 | 0.20 | 3.23 | 3.80 | 2.48 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 11.88 |
| 1970-71 | 0.00 | 0.05 | 4.54 | 4.67 | 1.21 | 0.88 | 0.82 | 0.73 | 1.10 | 0.00 | 0.00 | 0.00 | 14.00 |
| 1971-72 | 0.00 | 0.00 | 0.48 | 7.33 | 0.17 | 0.46 | 0.00 | 0.16 | 0.02 | 0.01 | 0.01 | 0.00 | 8.64 |
| 1972-73 | 0.00 | 0.04 | 5.69 | 0.73 | 6.24 | 9.07 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 24.69 |
| 1973-74 | 0.00 | 0.84 | 1.97 | 1.52 | 7.58 | 0.00 | 4.98 | 0.33 | 0.00 | 0.00 | 0.05 | 0.00 | 17.27 |
| 1974-75 | 0.00 | 1.00 | 0.09 | 7.37 | 0.57 | 5.57 | 3.93 | 0.87 | 0.00 | 0.00 | 0.00 | 0.01 | 19.41 |
| 1975-76 | 0.00 | 0.31 | 0.18 | 0.12 | 0.00 | 5.48 | 1.99 | 1.15 | 0.01 | 0.26 | 0.01 | 0.00 | 9.51 |
| 1976-77 | 4.01 | 0.20 | 0.85 | 0.87 | 3.89 | 0.19 | 1.58 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 14.89 |
| 1977-78 | 0.00 | 0.00 | 0.68 | 6.65 | 11.11 | 9.86 | 11.69 | 2.27 | 0.00 | 0.08 | 0.00 | 0.00 | 42.34 |
| 1978-79 | 1.21 | 0.00 | 3.19 | 1.52 | 3.85 | 5.01 | 6.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.72 |
| 1979-80 | 0.91 | 0.50 | 0.48 | 1.26 | 6.24 | 10.45 | 3.36 | 0.74 | 0.22 | 0.00 | 0.48 | 0.00 | 24.64 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.91 | 3.24 | 2.53 | 6.19 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 14.30 |
| 1981-82 | 0.00 | 0.74 | 2.45 | 0.74 | 2.59 | 0.42 | 6.72 | 2.59 | 0.00 | 0.03 | 0.00 | 0.00 | 16.28 |
| 1982-83 | 2.07 | 0.63 | 5.18 | 3.07 | 11.55 | 7.19 | 5.66 | 4.17 | 0.34 | 0.00 | 0.00 | 1.55 | 41.41 |
| 1983-84 | 0.74 | 2.93 | 3.30 | 5.37 | 0.10 | 0.14 | 0.53 | 0.12 | 0.00 | 0.00 | 0.00 | 0.12 | 13.35 |
| 1984-85 | 0.58 | 0.32 | 1.88 | 4.11 | 0.76 | 2.58 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.96 |
| 1985-86 | 0.10 | 0.61 | 4.06 | 0.89 | 1.80 | 8.54 | 5.93 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 22.85 |
| 1986-87 | 1.60 | 0.00 | 1.24 | 0.22 | 1.84 | 2.42 | 4.14 | 0.12 | 0.00 | 0.04 | 0.00 | 0.00 | 11.62 |
| 1987-88 | 0.00 | 1.36 | 0.91 | 2.85 | 2.55 | 1.50 | 0.70 | 3.18 | 0.35 | 0.01 | 0.00 | 0.00 | 13.41 |
| 1988-89 | 0.00 | 0.00 | 0.96 | 3.89 | 0.34 | 2.64 | 0.81 | 0.31 | 0.40 | 0.00 | 0.00 | 0.00 | 9.35 |
| 1989-90 | 0.04 | 0.70 | 0.55 | 0.00 | 2.65 | 2.60 | 0.00 | 0.16 | 0.72 | 0.00 | 0.00 | 0.00 | 7.42 |
| 1990-91 | 0.13 | 0.00 | 0.13 | 0.06 | 1.75 | 2.61 | 12.33 | 0.02 | 0.00 | 0.46 | 0.01 | 0.23 | 17.73 |
| 1991-92 | 0.03 | 0.55 | 0.09 | 3.32 | 2.62 | 9.23 | 3.27 | 0.01 | 0.16 | 0.00 | 0.51 | 0.00 | 19.79 |
| 1992-93 | 0.00 | 1.56 | 0.00 | 5.20 | 10.90 | 8.39 | 4.96 | 0.00 | 0.06 | 0.64 | 0.00 | 0.00 | 31.71 |
| 1993-94 | 0.00 | 0.16 | 1.39 | 1.40 | 1.71 | 5.91 | 1.58 | 0.57 | 0.13 | 0.17 | 0.00 | 0.00 | 13.02 |
| 1994-95 | 0.03 | 0.66 | 1.87 | 0.89 | 21.94 | 1.44 | 10.08 | 0.30 | 0.84 | 0.47 | 0.00 | 0.00 | 38.52 |
| 1995-96 | 0.00 | 0.00 | 0.17 | 3.24 | 2.08 | 8.98 | 1.82 | 0.88 | 0.61 | 0.00 | 0.00 | 0.00 | 17.78 |
| 1996-97 | 0.00 | 2.64 | 2.93 | 6.82 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 19.10 |
| 1997-98 | 0.05 | 0.15 | 4.30 | 6.72 | 4.96 | 21.36 | 3.28 | 2.73 | 3.15 | 0.27 | 0.00 | 0.00 | 46.97 |
| 1998-99 | 0.17 | 0.03 | 0.81 | 0.85 | 2.05 | 0.96 | 3.70 | 2.28 | 0.00 | 0.14 | 0.00 | 0.00 | 10.99 |
| 1999-00 | 0.00 | 0.00 | 1.55 | 0.00 | 2.43 | 10.81 | 3.72 | 4.23 | 0.00 | 0.01 | 0.00 | 0.00 | 22.75 |
| 2000-01 | 0.00 | 4.66 | 0.00 | 0.10 | 7.53 | 5.84 | 6.01 | 1.61 | 0.06 | 0.00 | 0.00 | 0.00 | 25.81 |
| 2001-02 | 0.00 | 0.60 | 4.15 | 2.17 | 1.09 | 0.38 | 0.41 | 0.04 | 0.14 | 0.00 | 0.01 | 0.02 | 9.01 |
| 2002-03 | 0.19 | 0.01 | 6.53 | 6.23 | 0.10 | 3.28 | 5.16 | 1.28 | 1.96 | 0.19 | 0.05 | 0.00 | 24.98 |
| 2003-04 | 0.00 | 0.00 | 1.87 | 2.31 | 0.42 | 5.61 | 0.48 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 10.70 |
| 2004-05 | 0.00 | 4.60 | 0.37 | 7.75 | 12.09 | 6.69 | 3.89 | 0.86 | 0.69 | 0.00 | 0.00 | 0.00 | 36.94 |
| 2005-06 | 0.11 | 1.16 | 1.67 | 0.74 | 4.45 | 3.27 | 4.25 | 5.42 | 1.29 | 0.00 | 0.00 | 0.08 | 22.44 |
| 2006-07 | 0.00 | 0.19 | 0.27 | 0.87 | 2.28 | 1.93 | 0.10 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 6.41 |
| 2007-08 | 0.21 | 0.23 | 0.00 | 3.10 | 11.76 | 2.14 | 0.00 | 0.13 | 0.02 | 0.03 | 0.00 | 0.00 | 17.62 |
| 2008-09 | 0.00 | 0.05 | 1.96 | 2.28 | 0.98 | 5.03 | 0.87 | 0.21 | 0.00 | 0.45 | 0.00 | 0.00 | 11.83 |
| 2009-10 | 0.01 | 3.99 | 0.02 | 3.13 | 5.93 | 4.61 | 0.68 | 1.89 | 0.16 | 0.01 | 0.01 | 0.00 | 20.44 |
| 2010-11 | 0.00 | 2.15 | 1.67 | 11.24 | 1.17 | 3.77 | 7.01 | 0.04 | 0.67 | 0.77 | 0.00 | 0.00 | 28.49 |
| 2011-12 | 0.00 | 1.17 | 2.15 | 0.47 | 1.93 | 0.07 | 3.02 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 11.62 |
| 2012-13 | 0.01 | 0.03 | 2.78 | 3.20 | 1.35 | 0.21 | 0.71 | 0.39 | 0.21 | 0.07 | 0.02 | 0.00 | 8.98 |
| 2013-14 | 0.01 | 0.11 | 0.92 | 0.22 | 0.00 | 3.68 | 2.55 | 0.47 | 0.06 | 0.01 | 0.00 | 0.03 | 8.06 |
| 2014-15 | 0.01 | 0.04 | 0.86 | 5.37 | 1.57 | 0.83 | 0.40 | 0.30 | 0.29 | 0.71 | 0.08 | 0.00 | 10.46 |
| 2015-16 | 0.10 | 0.26 | 0.13 | 0.37 | 5.30 | 1.51 | 3.43 | 0.50 | 0.06 | 0.04 | 0.00 | 0.00 | 11.70 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 234** **Station Type: Alert, Data Logger w/TB & Standard** **Latitude: 342531 Longitude: 1194212**

**Station Name: Santa Barbara (Downtown-County Building)** **Elevation (ft): 130** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 32.29 | 77.36 | 188.21 | 336.18 | 473.66 | 469.16 | 364.52 | 140.46 | 44.99 | 10.41 | 2.97 | 4.34 | 2144.55 |
| N | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| Mean | 0.28 | 0.66 | 1.61 | 2.87 | 4.05 | 4.01 | 3.12 | 1.20 | 0.38 | 0.09 | 0.03 | 0.04 | 18.33 |
| Max | 7.15 | 6.23 | 7.86 | 11.24 | 21.94 | 21.36 | 12.33 | 6.94 | 3.30 | 1.17 | 0.81 | 1.55 | 46.97 |
| StdDev | 0.86 | 1.06 | 1.76 | 2.65 | 4.28 | 3.70 | 2.89 | 1.43 | 0.72 | 0.21 | 0.10 | 0.16 | 8.48 |
| CV | 3.12 | 1.61 | 1.10 | 0.92 | 1.06 | 0.92 | 0.93 | 1.19 | 1.87 | 2.31 | 4.00 | 4.36 | 0.46 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.42 | 1.23 | 2.49 | 3.14 | 3.30 | 2.63 | 0.84 | 0.12 | 0.00 | 0.00 | 0.00 | 16.88 |
| 5 | 0.47 | 1.20 | 2.79 | 4.71 | 6.53 | 6.99 | 5.15 | 2.08 | 0.72 | 0.17 | 0.04 | 0.05 | 24.38 |
| 10 | 1.05 | 1.78 | 3.83 | 6.11 | 8.89 | 9.33 | 6.75 | 2.96 | 1.24 | 0.37 | 0.11 | 0.16 | 29.14 |
| 25 | 1.94 | 2.51 | 5.14 | 7.80 | 11.92 | 12.19 | 8.70 | 4.11 | 1.98 | 0.67 | 0.24 | 0.36 | 34.94 |
| 50 | 2.69 | 3.07 | 6.08 | 9.00 | 14.18 | 14.29 | 10.14 | 4.95 | 2.56 | 0.93 | 0.34 | 0.54 | 39.22 |
| 100 | 3.46 | 3.62 | 7.03 | 10.16 | 16.40 | 16.28 | 11.49 | 5.78 | 3.15 | 1.19 | 0.46 | 0.73 | 43.25 |
| 200 | 4.28 | 4.17 | 7.95 | 11.30 | 18.59 | 18.22 | 12.82 | 6.62 | 3.75 | 1.46 | 0.57 | 0.93 | 47.20 |
| 500 | 5.91 | 5.10 | 9.41 | 12.94 | 22.19 | 21.08 | 14.77 | 8.01 | 4.78 | 2.01 | 0.82 | 1.35 | 53.01 |
| 1000 | 6.22 | 5.43 | 10.06 | 13.81 | 23.61 | 22.55 | 15.77 | 8.54 | 5.16 | 2.12 | 0.86 | 1.41 | 55.99 |
| 10000 | 9.13 | 7.24 | 12.99 | 17.26 | 30.72 | 28.58 | 19.89 | 11.25 | 7.23 | 3.08 | 1.29 | 2.14 | 68.25 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 380** **Station Type: Alert, Data Logger w/TB** **Latitude: 345707 Longitude: 1202644**

**Station Name: Santa Maria City** **Elevation (ft): 203** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1906-07 | 0.01 | 0.00 | 0.63 | 4.35 | 7.78 | 1.02 | 3.95 | 0.23 | 0.00 | 0.04 | 0.00 | 0.00 | 18.01 |
| 1907-08 | 0.06 | 3.57 | 0.00 | 1.80 | 3.98 | 3.76 | 0.35 | 0.26 | 0.18 | 0.00 | 0.00 | 0.00 | 13.96 |
| 1908-09 | 1.03 | 0.52 | 0.97 | 0.61 | 10.16 | 4.98 | 4.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.66 |
| 1909-10 | 0.00 | 0.75 | 2.14 | 5.89 | 3.47 | 0.50 | 3.82 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 16.58 |
| 1910-11 | 0.65 | 0.72 | 0.15 | 0.45 | 6.62 | 3.80 | 6.68 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 20.89 |
| 1911-12 | 0.00 | 0.00 | 0.00 | 1.77 | 1.34 | 0.10 | 4.63 | 0.69 | 1.60 | 0.00 | 0.00 | 0.00 | 10.13 |
| 1917-18 | 0.00 | 0.09 | 0.00 | 0.31 | 0.53 | 9.39 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.19 |
| 1918-19 | 0.00 | 0.63 | 3.55 | 1.46 | 0.68 | 2.36 | 1.57 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 10.99 |
| 1919-20 | 0.41 | 0.00 | 0.15 | 1.88 | 0.24 | 1.78 | 4.02 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 9.60 |
| 1920-21 | 0.00 | 0.73 | 0.94 | 1.24 | 3.13 | 1.65 | 1.57 | 0.32 | 1.45 | 0.01 | 0.00 | 0.00 | 11.04 |
| 1921-22 | 0.44 | 0.05 | 0.13 | 5.32 | 4.90 | 2.97 | 2.50 | 0.22 | 0.35 | 0.00 | 0.00 | 0.00 | 16.88 |
| 1922-23 | 0.00 | 0.32 | 1.34 | 3.59 | 1.91 | 1.06 | 0.18 | 3.97 | 0.05 | 0.01 | 0.01 | 0.00 | 12.44 |
| 1923-24 | 0.22 | 0.30 | 0.00 | 0.62 | 0.64 | 0.46 | 3.01 | 1.00 | 0.01 | 0.00 | 0.00 | 0.03 | 6.29 |
| 1924-25 | 0.04 | 0.76 | 0.78 | 1.85 | 2.56 | 1.67 | 3.28 | 2.34 | 1.71 | 0.05 | 0.02 | 0.01 | 15.07 |
| 1925-26 | 0.01 | 0.16 | 0.12 | 1.81 | 1.72 | 2.99 | 0.41 | 2.68 | 0.11 | 0.01 | 0.02 | 0.01 | 10.05 |
| 1926-27 | 0.04 | 0.55 | 3.37 | 0.91 | 1.88 | 5.21 | 2.10 | 1.26 | 0.06 | 0.20 | 0.02 | 0.01 | 15.61 |
| 1927-28 | 0.02 | 3.08 | 0.81 | 3.80 | 0.22 | 2.57 | 3.99 | 0.19 | 0.71 | 0.00 | 0.00 | 0.01 | 15.40 |
| 1928-29 | 0.02 | 0.04 | 2.31 | 2.16 | 2.28 | 1.22 | 1.61 | 0.94 | 0.00 | 0.16 | 0.00 | 0.00 | 10.74 |
| 1929-30 | 0.01 | 0.02 | 0.00 | 0.15 | 3.42 | 1.18 | 2.70 | 0.94 | 0.68 | 0.08 | 0.00 | 0.00 | 9.18 |
| 1930-31 | 0.16 | 0.02 | 1.55 | 0.00 | 4.16 | 1.13 | 0.28 | 0.42 | 0.94 | 0.06 | 0.01 | 0.31 | 9.04 |
| 1931-32 | 0.09 | 0.04 | 2.46 | 6.56 | 4.25 | 2.14 | 0.31 | 0.31 | 0.26 | 0.04 | 0.02 | 0.02 | 16.50 |
| 1932-33 | 0.07 | 0.09 | 0.09 | 1.31 | 6.08 | 0.30 | 0.94 | 0.18 | 0.38 | 1.96 | 0.00 | 0.00 | 11.40 |
| 1933-34 | 0.02 | 0.32 | 0.03 | 2.91 | 1.11 | 1.52 | 0.20 | 0.00 | 0.26 | 1.30 | 0.01 | 0.01 | 7.69 |
| 1934-35 | 0.01 | 3.14 | 2.19 | 1.78 | 4.16 | 1.64 | 3.11 | 3.09 | 0.00 | 0.00 | 0.01 | 0.26 | 19.39 |
| 1935-36 | 0.17 | 0.50 | 2.02 | 1.71 | 1.31 | 5.32 | 1.23 | 1.06 | 0.13 | 0.03 | 0.02 | 0.01 | 13.51 |
| 1936-37 | 0.14 | 1.83 | 0.00 | 5.69 | 3.59 | 4.83 | 4.65 | 0.22 | 0.00 | 0.00 | 0.01 | 0.00 | 20.96 |
| 1937-38 | 0.00 | 0.16 | 0.26 | 2.88 | 4.72 | 7.39 | 4.09 | 2.01 | 0.04 | 0.02 | 0.00 | 0.02 | 21.59 |
| 1938-39 | 0.59 | 0.18 | 0.23 | 1.53 | 3.25 | 2.18 | 2.39 | 0.22 | 0.03 | 0.00 | 0.00 | 0.00 | 10.60 |
| 1939-40 | 1.50 | 0.46 | 1.03 | 1.30 | 5.05 | 2.67 | 1.98 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 15.73 |
| 1940-41 | 0.02 | 0.73 | 0.12 | 5.25 | 5.04 | 6.83 | 8.72 | 3.86 | 0.07 | 0.00 | 0.09 | 0.03 | 30.76 |
| 1941-42 | 0.01 | 1.04 | 0.32 | 7.50 | 1.35 | 1.30 | 2.04 | 2.82 | 0.08 | 0.00 | 0.00 | 0.02 | 16.48 |
| 1942-43 | 0.02 | 0.82 | 0.84 | 2.94 | 7.23 | 1.27 | 3.04 | 1.06 | 0.02 | 0.00 | 0.00 | 0.00 | 17.24 |
| 1943-44 | 1.05 | 0.22 | 3.20 | 1.29 | 4.99 | 0.66 | 1.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 13.09 |
| 1944-45 | 0.00 | 0.32 | 2.03 | 1.33 | 0.87 | 2.43 | 3.76 | 0.09 | 0.00 | 0.16 | 0.00 | 0.00 | 10.99 |
| 1945-46 | 0.00 | 0.52 | 0.64 | 2.94 | 0.45 | 1.69 | 0.97 | 0.21 | 0.18 | 0.00 | 0.00 | 0.00 | 7.60 |
| 1946-47 | 0.27 | 0.14 | 3.38 | 1.43 | 0.34 | 0.83 | 1.22 | 0.18 | 0.18 | 0.03 | 0.00 | 0.00 | 8.00 |
| 1947-48 | 0.04 | 0.46 | 0.07 | 0.52 | 0.03 | 1.42 | 3.27 | 1.70 | 0.65 | 0.00 | 0.00 | 0.00 | 8.16 |
| 1948-49 | 0.00 | 0.07 | 0.00 | 3.26 | 1.48 | 2.04 | 2.57 | 0.22 | 0.91 | 0.00 | 0.00 | 0.00 | 10.55 |
| 1949-50 | 0.00 | 0.17 | 0.92 | 2.35 | 2.78 | 3.39 | 1.61 | 0.76 | 0.09 | 0.00 | 0.00 | 0.00 | 12.07 |
| 1950-51 | 0.00 | 0.77 | 1.00 | 0.70 | 2.57 | 1.81 | 0.16 | 1.79 | 0.01 | 0.00 | 0.98 | 0.00 | 9.79 |
| 1951-52 | 0.13 | 0.75 | 1.37 | 4.34 | 5.66 | 0.72 | 5.21 | 0.34 | 0.00 | 0.06 | 0.00 | 0.00 | 18.58 |
| 1952-53 | 0.00 | 0.00 | 3.63 | 4.36 | 1.37 | 0.00 | 1.04 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 12.02 |
| 1953-54 | 0.00 | 0.00 | 2.51 | 0.12 | 3.39 | 1.57 | 3.54 | 0.38 | 0.00 | 0.04 | 0.00 | 0.00 | 11.55 |
| 1954-55 | 0.00 | 0.00 | 0.97 | 2.08 | 3.95 | 1.35 | 0.40 | 1.98 | 0.60 | 0.01 | 0.00 | 0.00 | 11.34 |
| 1955-56 | 0.00 | 0.00 | 1.60 | 4.50 | 2.84 | 0.64 | 0.00 | 1.89 | 0.54 | 0.00 | 0.00 | 0.00 | 12.01 |
| 1956-57 | 0.00 | 0.61 | 0.00 | 0.74 | 2.17 | 1.95 | 0.79 | 1.00 | 0.98 | 0.22 | 0.00 | 0.00 | 8.46 |
| 1957-58 | 0.00 | 1.70 | 0.55 | 1.78 | 2.41 | 4.70 | 4.25 | 4.27 | 0.18 | 0.00 | 0.00 | 0.00 | 19.84 |
| 1958-59 | 1.43 | 0.00 | 0.30 | 0.13 | 1.75 | 4.57 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 8.41 |
| 1959-60 | 0.00 | 0.00 | 0.00 | 0.65 | 3.55 | 4.13 | 0.85 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 11.33 |
| 1960-61 | 0.00 | 1.75 | 2.50 | 0.80 | 0.80 | 0.10 | 0.68 | 0.23 | 0.21 | 0.00 | 0.02 | 0.00 | 7.09 |
| 1961-62 | 0.02 | 0.00 | 1.63 | 1.50 | 2.13 | 10.08 | 1.02 | 0.04 | 0.03 | 0.02 | 0.00 | 0.00 | 16.47 |
| 1962-63 | 0.00 | 0.36 | 0.00 | 0.21 | 0.54 | 3.75 | 3.15 | 2.29 | 0.53 | 0.01 | 0.00 | 0.00 | 10.84 |
| 1963-64 | 0.46 | 1.49 | 1.92 | 0.19 | 1.00 | 0.00 | 1.70 | 1.13 | 0.31 | 0.07 | 0.00 | 0.00 | 8.27 |
| 1965-66 | 0.00 | 0.00 | 4.34 | 2.37 | 0.95 | 0.80 | 0.26 | 0.03 | 0.00 | 0.14 | 0.00 | 0.00 | 8.89 |
| 1966-67 | 0.22 | 0.00 | 2.10 | 2.88 | 2.90 | 0.39 | 2.57 | 3.68 | 0.21 | 0.26 | 0.00 | 0.00 | 15.21 |
| 1967-68 | 0.36 | 0.00 | 2.78 | 1.35 | 0.63 | 0.91 | 2.03 | 0.51 | 0.04 | 0.00 | 0.00 | 0.00 | 8.61 |
| 1968-69 | 0.00 | 1.95 | 1.05 | 1.58 | 7.47 | 6.92 | 0.45 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 20.78 |
| 1969-70 | 0.06 | 0.33 | 0.98 | 0.53 | 2.65 | 0.42 | 4.64 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 9.65 |
| 1970-71 | 0.00 | 0.00 | 3.45 | 3.46 | 0.77 | 0.09 | 0.25 | 1.02 | 0.74 | 0.00 | 0.00 | 0.00 | 9.78 |
| 1971-72 | 0.04 | 0.38 | 0.84 | 3.37 | 0.19 | 0.45 | 0.00 | 0.26 | 0.16 | 0.00 | 0.00 | 0.00 | 5.69 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 380** **Station Type: Alert, Data Logger w/TB** **Latitude: 345707 Longitude: 1202644**

**Station Name: Santa Maria City** **Elevation (ft): 203** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1972-73 | 0.00 | 0.53 | 3.56 | 1.73 | 4.92 | 5.44 | 3.20 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 19.43 |
| 1973-74 | 0.16 | 0.64 | 2.50 | 2.36 | 3.90 | 0.15 | 4.78 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 15.37 |
| 1974-75 | 0.00 | 1.87 | 0.13 | 4.05 | 0.04 | 3.22 | 2.39 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 12.45 |
| 1975-76 | 0.00 | 0.72 | 0.15 | 0.06 | 0.00 | 4.47 | 0.61 | 1.25 | 0.00 | 0.02 | 0.02 | 1.20 | 8.50 |
| 1976-77 | 3.47 | 1.37 | 0.32 | 0.55 | 2.48 | 0.02 | 1.59 | 0.05 | 2.09 | 0.00 | 0.00 | 0.00 | 11.94 |
| 1977-78 | 0.04 | 0.00 | 0.13 | 3.94 | 4.94 | 6.55 | 5.37 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 22.95 |
| 1978-79 | 1.55 | 0.00 | 1.10 | 1.29 | 4.02 | 3.04 | 2.65 | 0.16 | 0.07 | 0.00 | 0.00 | 0.00 | 13.88 |
| 1979-80 | 0.18 | 0.45 | 0.40 | 0.98 | 4.19 | 5.08 | 2.14 | 0.46 | 0.28 | 0.00 | 0.00 | 0.00 | 14.16 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.19 | 3.57 | 3.79 | 3.77 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 12.81 |
| 1981-82 | 0.00 | 0.90 | 1.26 | 0.85 | 2.90 | 1.27 | 5.04 | 1.76 | 0.00 | 0.23 | 0.00 | 0.07 | 14.28 |
| 1982-83 | 0.59 | 1.27 | 3.67 | 1.21 | 5.52 | 5.43 | 5.04 | 2.24 | 0.02 | 0.00 | 0.00 | 0.27 | 25.26 |
| 1983-84 | 1.41 | 0.35 | 2.10 | 2.63 | 0.02 | 0.37 | 0.48 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 7.93 |
| 1984-85 | 0.00 | 0.60 | 1.93 | 2.91 | 0.98 | 0.85 | 1.38 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 8.69 |
| 1985-86 | 0.04 | 0.39 | 2.72 | 0.78 | 1.12 | 2.96 | 4.62 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 13.43 |
| 1986-87 | 0.88 | 0.00 | 0.44 | 1.29 | 1.26 | 1.15 | 3.45 | 0.35 | 0.02 | 0.03 | 0.00 | 0.00 | 8.87 |
| 1987-88 | 0.00 | 2.32 | 0.61 | 2.60 | 1.71 | 2.36 | 0.02 | 2.21 | 0.05 | 0.03 | 0.00 | 0.00 | 11.91 |
| 1988-89 | 0.00 | 0.00 | 0.75 | 4.77 | 0.21 | 0.59 | 0.62 | 0.08 | 0.06 | 0.00 | 0.00 | 0.00 | 7.08 |
| 1989-90 | 0.57 | 0.16 | 0.49 | 0.01 | 2.27 | 1.55 | 0.18 | 0.23 | 0.48 | 0.00 | 0.00 | 0.00 | 5.94 |
| 1990-91 | 0.29 | 0.00 | 0.19 | 0.43 | 1.03 | 2.05 | 8.38 | 0.27 | 0.00 | 0.08 | 0.00 | 0.03 | 12.75 |
| 1991-92 | 0.00 | 0.30 | 0.26 | 3.60 | 1.77 | 5.98 | 2.22 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 14.80 |
| 1992-93 | 0.00 | 0.51 | 0.00 | 2.53 | 5.56 | 3.97 | 3.92 | 0.00 | 0.17 | 0.05 | 0.00 | 0.00 | 16.71 |
| 1993-94 | 0.00 | 0.22 | 0.75 | 1.01 | 2.08 | 3.42 | 1.94 | 0.90 | 0.59 | 0.00 | 0.00 | 0.00 | 10.91 |
| 1994-95 | 0.08 | 0.48 | 1.43 | 0.50 | 8.72 | 1.85 | 6.95 | 0.25 | 0.64 | 0.76 | 0.00 | 0.00 | 21.66 |
| 1995-96 | 0.00 | 0.00 | 0.37 | 1.66 | 1.86 | 7.55 | 0.97 | 0.63 | 0.33 | 0.00 | 0.00 | 0.00 | 13.37 |
| 1996-97 | 0.00 | 1.36 | 2.35 | 4.03 | 3.90 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.71 |
| 1997-98 | 0.30 | 0.00 | 3.67 | 2.60 | 4.26 | 13.08 | 3.35 | 3.55 | 1.80 | 0.00 | 0.00 | 0.00 | 32.61 |
| 1998-99 | 0.35 | 0.30 | 1.65 | 0.30 | 2.02 | 1.07 | 6.61 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | 15.07 |
| 1999-00 | 0.00 | 0.00 | 1.20 | 0.00 | 1.60 | 9.16 | 1.33 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 16.64 |
| 2000-01 | 0.00 | 1.70 | 0.00 | 0.00 | 6.01 | 4.72 | 4.43 | 1.16 | 0.00 | 0.00 | 0.20 | 0.00 | 18.22 |
| 2001-02 | 0.00 | 0.40 | 3.37 | 1.62 | 1.35 | 0.34 | 0.85 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 8.21 |
| 2002-03 | 0.00 | 0.00 | 2.67 | 4.82 | 0.10 | 1.87 | 2.07 | 0.62 | 1.00 | 0.00 | 0.05 | 0.00 | 13.20 |
| 2003-04 | 0.00 | 0.00 | 3.07 | 1.58 | 1.25 | 4.85 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.13 |
| 2004-05 | 0.00 | 4.19 | 0.51 | 4.62 | 4.16 | 3.40 | 3.08 | 0.30 | 0.98 | 0.00 | 0.00 | 0.00 | 21.24 |
| 2005-06 | 0.00 | 0.50 | 0.99 | 1.55 | 5.13 | 0.75 | 3.15 | 3.91 | 1.00 | 0.00 | 0.00 | 0.00 | 16.98 |
| 2006-07 | 0.00 | 0.22 | 0.36 | 1.50 | 0.87 | 2.01 | 0.14 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 |
| 2007-08 | 0.00 | 0.60 | 0.00 | 1.97 | 7.70 | 2.42 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 12.94 |
| 2008-09 | 0.00 | 0.20 | 2.09 | 1.48 | 0.19 | 4.40 | 0.63 | 0.10 | 0.11 | 0.00 | 0.00 | 0.01 | 9.21 |
| 2009-10 | 0.01 | 1.87 | 0.02 | 2.39 | 5.63 | 2.91 | 0.51 | 2.25 | 0.22 | 0.00 | 0.01 | 0.00 | 15.82 |
| 2010-11 | 0.04 | 2.58 | 1.48 | 10.12 | 0.80 | 2.94 | 5.33 | 0.19 | 0.30 | 0.68 | 0.01 | 0.01 | 24.48 |
| 2011-12 | 0.09 | 0.74 | 1.40 | 0.15 | 1.66 | 0.32 | 2.41 | 2.71 | 0.00 | 0.00 | 0.01 | 0.00 | 9.49 |
| 2012-13 | 0.01 | 0.16 | 0.59 | 3.18 | 0.86 | 0.65 | 0.84 | 0.15 | 0.05 | 0.02 | 0.01 | 0.00 | 6.52 |
| 2013-14 | 0.02 | 0.30 | 0.23 | 0.18 | 0.02 | 1.86 | 1.43 | 0.92 | 0.01 | 0.00 | 0.00 | 0.00 | 4.97 |
| 2014-15 | 0.01 | 0.02 | 1.49 | 4.28 | 0.20 | 0.68 | 0.21 | 0.65 | 0.33 | 0.05 | 0.87 | 0.01 | 8.80 |
| 2015-16 | 0.08 | 0.07 | 0.74 | 1.36 | 2.49 | 0.98 | 2.74 | 0.41 | 0.12 | 0.00 | 0.00 | 0.00 | 8.99 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 380** **Station Type: Alert, Data Logger w/TB** **Latitude: 345707 Longitude: 1202644**

**Station Name: Santa Maria City** **Elevation (ft): 203** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 20.01 | 61.90 | 125.43 | 222.75 | 284.66 | 276.59 | 248.79 | 104.89 | 27.18 | 6.94 | 3.09 | 2.35 | 1384.58 |
| N | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| Mean | 0.19 | 0.60 | 1.21 | 2.14 | 2.74 | 2.66 | 2.39 | 1.01 | 0.26 | 0.07 | 0.03 | 0.02 | 13.31 |
| Max | 3.47 | 4.19 | 4.34 | 10.12 | 10.16 | 13.08 | 8.72 | 4.27 | 2.09 | 1.96 | 0.98 | 1.20 | 32.61 |
| StdDev | 0.47 | 0.82 | 1.15 | 1.80 | 2.19 | 2.44 | 1.96 | 1.09 | 0.43 | 0.25 | 0.14 | 0.13 | 5.25 |
| CV | 2.42 | 1.37 | 0.96 | 0.84 | 0.80 | 0.92 | 0.82 | 1.09 | 1.65 | 3.73 | 4.82 | 5.55 | 0.39 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.38 | 0.92 | 1.85 | 2.12 | 2.19 | 2.02 | 0.71 | 0.08 | 0.00 | 0.00 | 0.00 | 12.26 |
| 5 | 0.33 | 1.08 | 2.09 | 3.51 | 4.41 | 4.63 | 3.95 | 1.75 | 0.49 | 0.12 | 0.05 | 0.03 | 17.71 |
| 10 | 0.73 | 1.60 | 2.87 | 4.55 | 6.01 | 6.19 | 5.18 | 2.49 | 0.84 | 0.28 | 0.13 | 0.10 | 21.16 |
| 25 | 1.35 | 2.26 | 3.85 | 5.81 | 8.06 | 8.08 | 6.68 | 3.45 | 1.35 | 0.51 | 0.28 | 0.22 | 25.38 |
| 50 | 1.87 | 2.77 | 4.56 | 6.71 | 9.59 | 9.48 | 7.78 | 4.15 | 1.74 | 0.70 | 0.40 | 0.33 | 28.49 |
| 100 | 2.41 | 3.26 | 5.27 | 7.58 | 11.09 | 10.80 | 8.82 | 4.86 | 2.14 | 0.89 | 0.53 | 0.44 | 31.41 |
| 200 | 2.98 | 3.76 | 5.96 | 8.42 | 12.57 | 12.09 | 9.84 | 5.56 | 2.55 | 1.10 | 0.67 | 0.56 | 34.28 |
| 500 | 4.12 | 4.59 | 7.06 | 9.64 | 15.00 | 13.98 | 11.34 | 6.73 | 3.25 | 1.51 | 0.96 | 0.82 | 38.50 |
| 1000 | 4.34 | 4.89 | 7.54 | 10.29 | 15.97 | 14.96 | 12.11 | 7.18 | 3.51 | 1.59 | 1.01 | 0.86 | 40.67 |
| 10000 | 6.36 | 6.51 | 9.74 | 12.86 | 20.77 | 18.96 | 15.27 | 9.45 | 4.91 | 2.31 | 1.51 | 1.31 | 49.57 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 218** **Station Type: Alert, Data Logger w/TB** **Latitude: 343623 Longitude: 1200412**

**Station Name: Santa Ynez Fire Station #32** **Elevation (ft): 600** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950-51 | 0.06 | 0.78 | 1.93 | 0.71 | 1.79 | 1.78 | 1.01 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 9.77 |
| 1951-52 | 0.00 | 0.53 | 3.04 | 3.94 | 8.69 | 0.40 | 6.62 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 24.36 |
| 1952-53 | 0.00 | 0.00 | 3.53 | 5.14 | 1.24 | 0.00 | 0.50 | 0.83 | 0.04 | 0.04 | 0.00 | 0.00 | 11.32 |
| 1953-54 | 0.00 | 0.00 | 1.94 | 0.25 | 3.85 | 1.35 | 3.24 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 10.85 |
| 1954-55 | 0.00 | 0.00 | 0.90 | 2.16 | 4.11 | 1.61 | 0.69 | 1.71 | 0.99 | 0.01 | 0.00 | 0.05 | 12.23 |
| 1955-56 | 0.01 | 0.00 | 1.98 | 4.93 | 4.24 | 0.55 | 0.00 | 1.89 | 1.00 | 0.00 | 0.00 | 0.00 | 14.60 |
| 1956-57 | 0.00 | 0.34 | 0.00 | 0.28 | 2.70 | 2.39 | 1.01 | 1.41 | 1.17 | 0.25 | 0.00 | 0.00 | 9.55 |
| 1957-58 | 0.00 | 0.63 | 0.49 | 3.26 | 2.16 | 7.26 | 6.22 | 5.96 | 0.81 | 0.00 | 0.00 | 0.00 | 26.79 |
| 1958-59 | 1.12 | 0.00 | 0.14 | 0.08 | 3.35 | 5.98 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 11.61 |
| 1959-60 | 0.05 | 0.00 | 0.00 | 0.92 | 3.45 | 3.21 | 0.52 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 9.22 |
| 1960-61 | 0.00 | 0.03 | 3.70 | 0.97 | 1.92 | 0.21 | 0.74 | 0.29 | 0.10 | 0.00 | 0.00 | 0.00 | 7.96 |
| 1961-62 | 0.02 | 0.00 | 2.49 | 2.11 | 2.19 | 11.50 | 0.93 | 0.00 | 0.09 | 0.03 | 0.00 | 0.00 | 19.36 |
| 1962-63 | 0.00 | 0.40 | 0.02 | 0.15 | 0.46 | 4.88 | 3.04 | 1.79 | 0.30 | 0.61 | 0.00 | 0.79 | 12.44 |
| 1963-64 | 1.29 | 1.01 | 2.45 | 0.07 | 2.05 | 0.09 | 1.42 | 1.46 | 0.17 | 0.16 | 0.00 | 0.00 | 10.17 |
| 1964-65 | 0.01 | 1.67 | 2.32 | 1.72 | 1.14 | 0.54 | 2.03 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 | 13.70 |
| 1965-66 | 0.00 | 0.00 | 9.95 | 2.93 | 1.75 | 0.77 | 0.36 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 15.81 |
| 1966-67 | 0.19 | 0.00 | 2.99 | 3.05 | 3.09 | 0.32 | 3.19 | 4.62 | 0.16 | 0.09 | 0.00 | 0.00 | 17.70 |
| 1967-68 | 0.35 | 0.00 | 3.93 | 1.04 | 0.68 | 1.08 | 2.63 | 0.90 | 0.01 | 0.00 | 0.00 | 0.00 | 10.62 |
| 1968-69 | 0.00 | 1.85 | 0.88 | 1.70 | 11.67 | 8.46 | 1.24 | 1.76 | 0.05 | 0.00 | 0.03 | 0.00 | 27.64 |
| 1969-70 | 0.02 | 0.12 | 1.33 | 0.44 | 2.21 | 1.88 | 2.16 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 8.31 |
| 1970-71 | 0.00 | 0.05 | 3.21 | 4.07 | 0.54 | 0.41 | 0.40 | 0.95 | 0.92 | 0.00 | 0.00 | 0.00 | 10.55 |
| 1971-72 | 0.10 | 0.30 | 0.30 | 6.15 | 0.10 | 0.40 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 7.55 |
| 1972-73 | 0.00 | 1.50 | 3.50 | 1.00 | 4.90 | 7.80 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.50 |
| 1973-74 | 0.00 | 0.40 | 2.50 | 1.82 | 7.03 | 0.00 | 3.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 15.45 |
| 1974-75 | 0.00 | 1.10 | 0.30 | 5.95 | 0.10 | 4.48 | 6.16 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 19.79 |
| 1975-76 | 0.00 | 0.30 | 0.60 | 0.20 | 0.00 | 5.50 | 1.10 | 1.50 | 0.00 | 0.00 | 0.00 | 0.30 | 9.50 |
| 1976-77 | 4.10 | 0.90 | 0.40 | 0.70 | 3.40 | 0.20 | 2.10 | 0.40 | 1.80 | 0.00 | 0.00 | 0.00 | 14.00 |
| 1977-78 | 0.00 | 0.10 | 0.30 | 2.70 | 5.60 | 11.00 | 8.60 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 30.80 |
| 1978-79 | 2.60 | 0.00 | 2.10 | 1.20 | 6.10 | 2.90 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.80 |
| 1979-80 | 0.30 | 0.70 | 0.47 | 1.20 | 4.11 | 10.47 | 3.53 | 2.10 | 0.15 | 0.00 | 0.00 | 0.00 | 23.03 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 1.00 | 3.56 | 2.80 | 6.20 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 14.16 |
| 1981-82 | 0.10 | 0.50 | 1.60 | 0.70 | 2.90 | 0.50 | 6.20 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.50 |
| 1982-83 | 0.37 | 1.52 | 4.60 | 2.00 | 7.90 | 5.60 | 8.20 | 4.00 | 0.30 | 0.00 | 0.00 | 0.00 | 34.49 |
| 1983-84 | 1.10 | 0.97 | 1.90 | 3.10 | 0.10 | 0.30 | 0.60 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 8.47 |
| 1984-85 | 0.10 | 0.50 | 2.60 | 3.30 | 0.80 | 1.82 | 1.40 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 11.02 |
| 1985-86 | 0.00 | 0.50 | 3.26 | 0.55 | 1.40 | 5.10 | 5.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 16.31 |
| 1986-87 | 0.78 | 0.00 | 0.60 | 1.40 | 1.80 | 1.80 | 3.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 9.78 |
| 1987-88 | 0.00 | 1.74 | 0.93 | 4.20 | 2.80 | 0.00 | 3.40 | 3.60 | 0.10 | 0.10 | 0.00 | 0.00 | 16.87 |
| 1988-89 | 0.00 | 0.00 | 0.80 | 4.06 | 0.30 | 1.10 | 0.52 | 0.10 | 0.30 | 0.00 | 0.00 | 0.00 | 7.18 |
| 1989-90 | 0.30 | 0.30 | 0.30 | 0.00 | 2.90 | 1.90 | 0.20 | 0.10 | 0.75 | 0.00 | 0.00 | 0.00 | 6.75 |
| 1990-91 | 0.00 | 0.00 | 0.25 | 0.30 | 1.30 | 3.30 | 11.60 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 16.85 |
| 1991-92 | 0.00 | 0.30 | 0.08 | 7.10 | 2.90 | 10.70 | 3.70 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 24.98 |
| 1992-93 | 0.00 | 0.90 | 0.00 | 4.50 | 9.90 | 7.70 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.00 |
| 1993-94 | 0.00 | 0.20 | 0.90 | 1.90 | 1.20 | 4.70 | 2.60 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 13.50 |
| 1994-95 | 0.10 | 0.50 | 1.30 | 0.60 | 15.80 | 1.40 | 8.60 | 0.50 | 0.90 | 0.60 | 0.00 | 0.00 | 30.30 |
| 1995-96 | 0.00 | 0.00 | 0.20 | 1.10 | 1.50 | 6.20 | 2.70 | 0.40 | 0.10 | 0.00 | 0.00 | 0.00 | 12.20 |
| 1996-97 | 0.00 | 2.10 | 1.80 | 4.10 | 3.44 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 11.74 |
| 1997-98 | 0.00 | 0.00 | 2.80 | 5.60 | 4.80 | 16.20 | 3.10 | 1.80 | 2.06 | 0.00 | 0.00 | 0.00 | 36.36 |
| 1998-99 | 0.00 | 0.10 | 1.20 | 0.68 | 1.90 | 0.80 | 5.10 | 2.00 | 0.00 | 0.01 | 0.38 | 0.00 | 12.17 |
| 1999-00 | 0.00 | 0.00 | 1.41 | 0.00 | 1.61 | 6.68 | 2.32 | 3.19 | 0.04 | 0.00 | 0.00 | 0.00 | 15.25 |
| 2000-01 | 0.00 | 2.26 | 0.00 | 0.07 | 7.37 | 5.04 | 9.49 | 1.28 | 0.03 | 0.00 | 0.05 | 0.00 | 25.59 |
| 2001-02 | 0.00 | 0.64 | 2.84 | 2.47 | 0.94 | 0.15 | 0.54 | 0.14 | 0.09 | 0.00 | 0.00 | 0.00 | 7.81 |
| 2002-03 | 0.06 | 0.01 | 2.92 | 5.99 | 0.11 | 2.26 | 2.59 | 1.30 | 1.31 | 0.01 | 0.00 | 0.02 | 16.58 |
| 2003-04 | 0.01 | 0.02 | 1.72 | 2.17 | 0.49 | 5.21 | 0.69 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 10.32 |
| 2004-05 | 0.00 | 4.88 | 0.34 | 8.83 | 8.79 | 7.92 | 2.93 | 0.86 | 0.57 | 0.01 | 0.00 | 0.01 | 35.14 |
| 2005-06 | 0.08 | 0.40 | 1.34 | 0.79 | 4.27 | 1.94 | 3.77 | 3.98 | 1.00 | 0.01 | 0.00 | 0.00 | 17.58 |
| 2006-07 | 0.01 | 0.17 | 0.18 | 1.71 | 1.18 | 2.28 | 0.12 | 0.92 | 0.00 | 0.00 | 0.00 | 0.01 | 6.58 |
| 2007-08 | 0.16 | 0.36 | 0.05 | 1.78 | 11.44 | 1.95 | 0.04 | 0.04 | 0.05 | 0.00 | 0.01 | 0.00 | 15.88 |
| 2008-09 | 0.00 | 0.10 | 3.44 | 1.83 | 0.53 | 5.59 | 1.02 | 0.30 | 0.00 | 0.26 | 0.00 | 0.01 | 13.08 |
| 2009-10 | 0.05 | 1.41 | 0.02 | 2.97 | 9.63 | 4.11 | 0.26 | 2.82 | 0.01 | 0.00 | 0.00 | 0.00 | 21.28 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

## Official Monthly and Yearly Rainfall Record

### *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 218** **Station Type: Alert, Data Logger w/TB** **Latitude: 343623 Longitude: 1200412**

**Station Name: Santa Ynez Fire Station #32** **Elevation (ft): 600** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2010-11 | 0.00 | 2.09 | 1.19 | 9.30 | 0.74 | 3.09 | 8.96 | 0.17 | 0.35 | 0.45 | 0.00 | 0.00 | 26.34 |
| 2011-12 | 0.00 | 0.60 | 2.72 | 0.33 | 1.57 | 0.46 | 2.58 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 | 11.89 |
| 2012-13 | 0.08 | 0.05 | 0.69 | 3.12 | 1.76 | 0.39 | 0.71 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 6.89 |
| 2013-14 | 0.01 | 0.38 | 0.87 | 0.23 | 0.00 | 3.05 | 2.65 | 0.72 | 0.01 | 0.00 | 0.00 | 0.00 | 7.92 |
| 2014-15 | 0.00 | 0.01 | 0.86 | 4.38 | 0.78 | 0.90 | 0.30 | 0.36 | 0.17 | 0.33 | 0.02 | 0.00 | 8.11 |
| 2015-16 | 0.20 | 0.09 | 0.61 | 1.09 | 3.37 | 1.54 | 2.74 | 0.37 | 0.18 | 0.00 | 0.00 | 0.00 | 10.19 |
| Total | 13.73 | 36.31 | 104.01 | 154.09 | 216.40 | 222.10 | 189.17 | 80.16 | 17.11 | 3.07 | 0.70 | 1.19 | 1038.04 |
| N | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| Mean | 0.21 | 0.55 | 1.58 | 2.33 | 3.28 | 3.37 | 2.87 | 1.21 | 0.26 | 0.05 | 0.01 | 0.02 | 15.73 |
| Max | 4.10 | 4.88 | 9.95 | 9.30 | 15.80 | 16.20 | 11.60 | 5.96 | 2.06 | 0.61 | 0.38 | 0.79 | 36.36 |
| StdDev | 0.63 | 0.81 | 1.60 | 2.15 | 3.25 | 3.45 | 2.71 | 1.32 | 0.46 | 0.13 | 0.05 | 0.10 | 7.59 |
| CV | 3.02 | 1.47 | 1.02 | 0.92 | 0.99 | 1.02 | 0.95 | 1.09 | 1.77 | 2.76 | 4.66 | 5.69 | 0.48 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.35 | 1.20 | 2.02 | 2.54 | 2.77 | 2.42 | 0.85 | 0.08 | 0.00 | 0.00 | 0.00 | 14.48 |
| 5 | 0.35 | 1.00 | 2.73 | 3.83 | 5.29 | 5.86 | 4.74 | 2.10 | 0.49 | 0.09 | 0.02 | 0.02 | 20.92 |
| 10 | 0.79 | 1.48 | 3.75 | 4.96 | 7.20 | 7.83 | 6.21 | 2.99 | 0.84 | 0.19 | 0.05 | 0.08 | 25.00 |
| 25 | 1.46 | 2.09 | 5.03 | 6.34 | 9.65 | 10.23 | 8.00 | 4.15 | 1.34 | 0.35 | 0.10 | 0.18 | 29.98 |
| 50 | 2.03 | 2.56 | 5.96 | 7.32 | 11.48 | 11.99 | 9.32 | 5.00 | 1.73 | 0.49 | 0.14 | 0.26 | 33.65 |
| 100 | 2.61 | 3.01 | 6.88 | 8.26 | 13.28 | 13.66 | 10.57 | 5.85 | 2.12 | 0.62 | 0.19 | 0.35 | 37.11 |
| 200 | 3.22 | 3.47 | 7.79 | 9.18 | 15.05 | 15.29 | 11.79 | 6.70 | 2.53 | 0.76 | 0.24 | 0.45 | 40.50 |
| 500 | 4.46 | 4.24 | 9.22 | 10.51 | 17.97 | 17.69 | 13.59 | 8.10 | 3.22 | 1.05 | 0.34 | 0.65 | 45.49 |
| 1000 | 4.69 | 4.52 | 9.85 | 11.22 | 19.13 | 18.92 | 14.51 | 8.64 | 3.48 | 1.11 | 0.36 | 0.69 | 48.05 |
| 10000 | 6.88 | 6.02 | 12.73 | 14.02 | 24.88 | 23.99 | 18.30 | 11.38 | 4.88 | 1.61 | 0.54 | 1.04 | 58.56 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 256** **Station Type: Alert, Data Logger w/TB** **Latitude: 345159 Longitude: 1201737**

**Station Name: Sisquoc Fire Station #23** **Elevation (ft): 420** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1947-48 | 0.00 | 0.22 | 0.16 | 0.46 | 0.00 | 2.42 | 2.92 | 2.52 | 1.01 | 0.00 | 0.00 | 0.00 | 9.71 |
| 1948-49 | 0.00 | 0.00 | 0.00 | 3.01 | 1.15 | 2.00 | 3.75 | 0.15 | 1.04 | 0.00 | 0.00 | 0.00 | 11.10 |
| 1949-50 | 0.00 | 0.00 | 1.84 | 3.00 | 3.07 | 1.68 | 1.45 | 0.80 | 0.20 | 0.00 | 0.70 | 0.00 | 12.74 |
| 1951-52 | 0.00 | 0.76 | 1.26 | 4.52 | 6.54 | 1.00 | 7.43 | 0.69 | 0.08 | 0.00 | 0.00 | 0.00 | 22.28 |
| 1953-54 | 0.00 | 0.00 | 2.62 | 0.32 | 4.69 | 1.13 | 4.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 13.12 |
| 1954-55 | 0.00 | 0.00 | 1.28 | 3.37 | 4.33 | 1.63 | 0.35 | 1.34 | 1.26 | 0.00 | 0.00 | 0.00 | 13.56 |
| 1955-56 | 0.00 | 0.00 | 1.96 | 6.88 | 4.09 | 0.58 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 15.19 |
| 1956-57 | 0.00 | 0.46 | 0.00 | 0.25 | 3.15 | 3.15 | 0.55 | 1.20 | 1.50 | 0.18 | 0.00 | 0.00 | 10.44 |
| 1957-58 | 0.00 | 1.95 | 0.38 | 3.51 | 2.85 | 6.15 | 3.98 | 6.58 | 0.00 | 0.00 | 0.00 | 0.60 | 26.00 |
| 1958-59 | 0.75 | 0.00 | 0.27 | 0.30 | 2.56 | 4.39 | 0.00 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 9.64 |
| 1959-60 | 0.00 | 0.00 | 0.00 | 0.52 | 4.01 | 4.01 | 1.01 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | 11.85 |
| 1960-61 | 0.45 | 0.63 | 3.61 | 1.17 | 1.05 | 0.10 | 1.10 | 0.40 | 0.27 | 0.00 | 0.00 | 0.00 | 8.78 |
| 1961-62 | 0.00 | 0.00 | 3.00 | 2.04 | 3.08 | 12.61 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.58 |
| 1962-63 | 0.00 | 1.48 | 0.00 | 0.21 | 0.35 | 4.93 | 3.30 | 2.80 | 0.38 | 0.05 | 0.00 | 0.16 | 13.66 |
| 1963-64 | 0.85 | 1.05 | 2.59 | 0.10 | 1.92 | 0.10 | 1.86 | 0.96 | 0.60 | 0.25 | 0.03 | 0.00 | 10.31 |
| 1964-65 | 0.00 | 2.03 | 3.22 | 2.03 | 1.33 | 0.41 | 1.72 | 4.59 | 0.00 | 0.00 | 0.00 | 0.00 | 15.33 |
| 1965-66 | 0.00 | 0.00 | 5.79 | 4.15 | 1.57 | 1.20 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 12.83 |
| 1966-67 | 0.22 | 0.00 | 2.45 | 5.39 | 3.72 | 0.46 | 2.61 | 6.87 | 0.17 | 0.27 | 0.00 | 0.00 | 22.16 |
| 1967-68 | 0.36 | 0.00 | 2.60 | 1.32 | 1.35 | 1.24 | 3.78 | 0.82 | 0.05 | 0.00 | 0.00 | 0.00 | 11.52 |
| 1968-69 | 0.00 | 1.93 | 1.00 | 2.17 | 9.75 | 8.68 | 1.42 | 1.80 | 0.10 | 0.00 | 0.00 | 0.00 | 26.85 |
| 1969-70 | 0.00 | 0.32 | 1.24 | 0.55 | 3.80 | 1.94 | 2.15 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 10.12 |
| 1970-71 | 0.00 | 0.00 | 2.99 | 3.27 | 0.40 | 0.23 | 0.43 | 1.16 | 0.88 | 0.00 | 0.00 | 0.00 | 9.36 |
| 1971-72 | 0.00 | 0.14 | 0.19 | 5.21 | 0.12 | 0.35 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 |
| 1972-73 | 0.00 | 0.61 | 4.31 | 1.18 | 4.52 | 6.80 | 3.49 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 21.05 |
| 1973-74 | 0.13 | 0.47 | 2.61 | 2.44 | 4.68 | 0.19 | 5.47 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 17.28 |
| 1974-75 | 0.00 | 0.95 | 0.16 | 3.80 | 0.20 | 4.22 | 3.92 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 14.11 |
| 1975-76 | 0.00 | 0.62 | 0.48 | 0.17 | 0.00 | 5.49 | 1.73 | 1.71 | 0.03 | 0.05 | 0.00 | 0.75 | 11.03 |
| 1976-77 | 4.53 | 0.45 | 0.39 | 0.80 | 2.01 | 0.05 | 1.55 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 11.58 |
| 1977-78 | 0.00 | 0.00 | 0.17 | 3.78 | 5.97 | 9.15 | 6.71 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 | 28.26 |
| 1978-79 | 1.90 | 0.00 | 1.29 | 1.22 | 3.44 | 4.14 | 4.84 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 16.88 |
| 1979-80 | 0.35 | 0.55 | 0.92 | 1.80 | 4.37 | 7.96 | 1.98 | 0.48 | 0.38 | 0.00 | 0.00 | 0.00 | 18.79 |
| 1980-81 | 0.00 | 0.00 | 0.00 | 0.14 | 3.92 | 2.26 | 5.13 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 11.95 |
| 1981-82 | 0.00 | 0.80 | 1.19 | 0.70 | 3.23 | 0.94 | 4.55 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 13.86 |
| 1982-83 | 0.80 | 1.60 | 4.47 | 1.74 | 7.31 | 4.38 | 8.18 | 2.98 | 0.00 | 0.00 | 0.00 | 0.26 | 31.72 |
| 1983-84 | 0.00 | 0.92 | 2.72 | 3.72 | 0.19 | 0.32 | 0.57 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 9.01 |
| 1984-85 | 0.00 | 0.76 | 2.46 | 3.36 | 0.59 | 1.15 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.70 |
| 1985-86 | 0.00 | 0.30 | 3.69 | 0.67 | 0.60 | 3.18 | 4.71 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 13.75 |
| 1986-87 | 0.73 | 0.00 | 0.91 | 1.42 | 1.57 | 1.73 | 3.48 | 0.22 | 0.00 | 0.11 | 0.00 | 0.00 | 10.17 |
| 1987-88 | 0.00 | 0.94 | 1.08 | 3.47 | 1.69 | 1.34 | 0.60 | 2.88 | 0.16 | 0.16 | 0.00 | 0.00 | 12.32 |
| 1988-89 | 0.00 | 0.00 | 0.81 | 5.04 | 0.45 | 0.87 | 0.73 | 0.08 | 0.16 | 0.00 | 0.00 | 0.00 | 8.14 |
| 1989-90 | 0.73 | 0.39 | 0.28 | 0.00 | 2.26 | 1.81 | 0.18 | 0.24 | 0.63 | 0.00 | 0.00 | 0.00 | 6.52 |
| 1990-91 | 0.54 | 0.00 | 0.26 | 0.57 | 1.23 | 1.47 | 9.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.76 |
| 1991-92 | 0.46 | 0.20 | 0.00 | 3.60 | 2.69 | 5.93 | 1.83 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 15.32 |
| 1992-93 | 0.90 | 0.00 | 0.00 | 4.13 | 5.99 | 5.74 | 4.29 | 0.00 | 0.16 | 0.16 | 0.00 | 0.00 | 21.37 |
| 1993-94 | 0.00 | 0.25 | 1.13 | 1.56 | 2.14 | 3.46 | 2.86 | 0.74 | 1.11 | 0.00 | 0.00 | 0.00 | 13.25 |
| 1994-95 | 0.38 | 1.08 | 2.00 | 1.23 | 11.79 | 2.26 | 8.51 | 0.43 | 0.62 | 0.74 | 0.00 | 0.00 | 29.04 |
| 1995-96 | 0.00 | 0.00 | 0.29 | 2.18 | 1.66 | 10.84 | 2.17 | 0.92 | 0.25 | 0.01 | 0.00 | 0.00 | 18.32 |
| 1996-97 | 0.00 | 2.35 | 2.34 | 4.10 | 3.92 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 12.78 |
| 1997-98 | 0.28 | 0.00 | 4.47 | 2.66 | 4.10 | 13.42 | 5.05 | 4.34 | 3.02 | 0.00 | 0.00 | 0.00 | 37.34 |
| 1998-99 | 0.54 | 0.15 | 2.04 | 0.64 | 2.14 | 1.16 | 5.55 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 13.25 |
| 1999-00 | 0.02 | 0.00 | 1.47 | 0.00 | 1.53 | 8.73 | 1.59 | 3.42 | 0.00 | 0.16 | 0.00 | 0.00 | 16.92 |
| 2000-01 | 0.00 | 2.07 | 0.01 | 0.10 | 5.52 | 5.08 | 4.85 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 19.13 |
| 2001-02 | 0.00 | 0.80 | 3.69 | 1.96 | 1.03 | 0.28 | 0.87 | 0.16 | 0.40 | 0.00 | 0.00 | 0.00 | 9.19 |
| 2002-03 | 0.00 | 0.02 | 3.13 | 5.43 | 0.04 | 2.14 | 2.26 | 1.72 | 1.39 | 0.00 | 0.01 | 0.00 | 16.14 |
| 2003-04 | 0.01 | 0.00 | 2.17 | 2.20 | 0.79 | 4.98 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.85 |
| 2004-05 | 0.00 | 3.81 | 0.56 | 5.63 | 5.80 | 3.79 | 3.43 | 0.78 | 1.77 | 0.03 | 0.00 | 0.00 | 25.60 |
| 2005-06 | 0.03 | 0.95 | 1.22 | 1.52 | 4.54 | 0.96 | 4.43 | 4.71 | 0.92 | 0.00 | 0.00 | 0.00 | 19.28 |
| 2006-07 | 0.00 | 0.43 | 0.15 | 1.42 | 0.86 | 2.11 | 0.37 | 0.44 | 0.01 | 0.00 | 0.00 | 0.03 | 5.82 |
| 2007-08 | 0.35 | 0.92 | 0.00 | 2.01 | 9.87 | 2.20 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 15.42 |
| 2008-09 | 0.00 | 0.11 | 2.02 | 1.93 | 0.26 | 5.27 | 1.14 | 0.28 | 0.10 | 0.10 | 0.00 | 0.00 | 11.21 |

# Santa Barbara County - Flood Control District

*130 East Victoria Street, Santa Barbara, CA 93101*
*805.568.3440 - www.countyofsb.org/pwd*

# Official Monthly and Yearly Rainfall Record

## *(Monthly Depth Durations and Average Recurrence Intervals)*

**Station: 256** **Station Type: Alert, Data Logger w/TB** **Latitude: 345159 Longitude: 1201737**

**Station Name: Sisquoc Fire Station #23** **Elevation (ft): 420** **Rainfall (in.)**

| WY | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | WY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009-10 | 0.02 | 2.02 | 0.01 | 3.50 | 6.78 | 3.49 | 0.45 | 2.51 | 0.16 | 0.00 | 0.01 | 0.00 | 18.95 |
| 2010-11 | 0.00 | 1.86 | 1.30 | 12.82 | 1.06 | 3.63 | 5.82 | 0.14 | 0.31 | 0.36 | 0.00 | 0.00 | 27.30 |
| 2011-12 | 0.82 | 1.02 | 2.44 | 0.05 | 2.14 | 0.34 | 3.36 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 13.52 |
| 2012-13 | 0.00 | 0.09 | 0.78 | 3.91 | 1.06 | 0.78 | 1.24 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 7.96 |
| 2013-14 | 0.00 | 0.23 | 0.31 | 0.53 | 0.00 | 2.50 | 2.27 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 7.18 |
| 2014-15 | 0.00 | 0.00 | 1.22 | 4.00 | 0.46 | 0.66 | 0.36 | 0.62 | 0.37 | 0.07 | 0.15 | 0.00 | 7.91 |
| 2015-16 | 0.02 | 0.05 | 0.74 | 2.05 | 3.25 | 1.08 | 3.64 | 0.80 | 0.42 | 0.00 | 0.00 | 0.00 | 12.05 |
| Total | 16.17 | 38.74 | 100.14 | 158.93 | 192.53 | 208.73 | 181.59 | 85.57 | 21.90 | 2.70 | 1.52 | 1.80 | 1010.32 |
| N | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| Mean | 0.24 | 0.58 | 1.49 | 2.37 | 2.87 | 3.12 | 2.71 | 1.28 | 0.33 | 0.04 | 0.02 | 0.03 | 15.08 |
| Max | 4.53 | 3.81 | 5.79 | 12.82 | 11.79 | 13.42 | 9.69 | 6.87 | 3.02 | 0.74 | 0.70 | 0.75 | 37.34 |
| StdDev | 0.63 | 0.76 | 1.37 | 2.12 | 2.52 | 3.05 | 2.27 | 1.52 | 0.57 | 0.11 | 0.11 | 0.12 | 6.60 |
| CV | 2.60 | 1.32 | 0.92 | 0.89 | 0.88 | 0.98 | 0.84 | 1.19 | 1.73 | 2.79 | 4.97 | 4.47 | 0.44 |
| Reg CV | 2.68 | 1.28 | 1.03 | 0.84 | 0.90 | 0.99 | 0.87 | 1.11 | 1.83 | 2.91 | 3.81 | 4.10 | 0.44 |
| Reg Skew | 3.80 | 1.80 | 1.40 | 1.00 | 1.60 | 1.10 | 1.10 | 1.70 | 2.60 | 3.60 | 4.40 | 4.80 | 1.10 |
| FIC | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Average Recurrence Intervals (in Years) | | | | | | | | | | | | | |
| 2 | 0.00 | 0.37 | 1.14 | 2.05 | 2.23 | 2.56 | 2.29 | 0.89 | 0.11 | 0.00 | 0.00 | 0.00 | 13.89 |
| 5 | 0.41 | 1.05 | 2.59 | 3.89 | 4.63 | 5.43 | 4.48 | 2.21 | 0.61 | 0.08 | 0.04 | 0.04 | 20.06 |
| 10 | 0.91 | 1.56 | 3.56 | 5.04 | 6.31 | 7.25 | 5.87 | 3.15 | 1.06 | 0.17 | 0.10 | 0.12 | 23.97 |
| 25 | 1.70 | 2.20 | 4.77 | 6.44 | 8.46 | 9.47 | 7.57 | 4.37 | 1.68 | 0.31 | 0.21 | 0.26 | 28.75 |
| 50 | 2.35 | 2.69 | 5.65 | 7.43 | 10.06 | 11.10 | 8.82 | 5.26 | 2.18 | 0.42 | 0.31 | 0.39 | 32.26 |
| 100 | 3.03 | 3.17 | 6.53 | 8.39 | 11.64 | 12.65 | 10.00 | 6.15 | 2.68 | 0.54 | 0.41 | 0.53 | 35.58 |
| 200 | 3.74 | 3.65 | 7.39 | 9.33 | 13.19 | 14.16 | 11.15 | 7.05 | 3.19 | 0.66 | 0.51 | 0.67 | 38.83 |
| 500 | 5.17 | 4.46 | 8.75 | 10.68 | 15.75 | 16.38 | 12.85 | 8.52 | 4.07 | 0.91 | 0.73 | 0.98 | 43.61 |
| 1000 | 5.44 | 4.75 | 9.35 | 11.40 | 16.76 | 17.52 | 13.72 | 9.09 | 4.39 | 0.96 | 0.77 | 1.02 | 46.06 |
| 10000 | 7.98 | 6.33 | 12.07 | 14.25 | 21.80 | 22.21 | 17.31 | 11.97 | 6.15 | 1.40 | 1.16 | 1.55 | 56.15 |