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**Summary of Precipitation and
Streamflow for Potrero and
San Clemente Creeks in
Water-Year 2008**

**Santa Lucia Preserve
Monterey County, California**

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Executive Summary

The purpose of this annual report is to present data summaries for the 2008 water year (October 1, 2007 to September 31, 2008). In March 2007 CSU-Monterey Bay began monitoring hydrologic conditions of streams in the Santa Lucia Preserve for the Santa Lucia Conservancy. This project is a continuation of monitoring begun by Balance Hydrologics as part of the permit requirements for land development. Rainfall in water year 2008 was slightly above average, with the majority falling during two storm events in January. Streamflow was relatively low as indicated by baseflow conditions (Castorani and Smith, 2008).

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1 Introduction

This report is a hydrologic data summary for Santa Lucia Preserve for Water Year 2008 (WY-08). Streamflow data are summarized and presented for Potrero and San Clemente Creeks. Precipitation data for Santa Lucia Preserve and San Clemente Dam are also included.

Four creeks within the Santa Lucia Preserve contain continuous-recording streamflow gages. Two gages on Las Garzas creek were installed in 2001 (Moore's Lake inflow and outflow). In 2002 gages were installed on San Clemente Creek and Potrero Creek. Information regarding installation and operation of individual gage sites is available in Balance Hydrologics (2002). Operation of the Potrero and San Clemente streamflow gages was transferred from Balance Hydrologics to the CSUMB Watershed Institute on June 21, 2007.

2 Precipitation Data

Precipitation data presented here are from a Rain Bird weather station operated by Santa Lucia Preserve. Precipitation data recorded by California American Water Company at nearby San Clemente Dam are also included.

WY-08 was a slightly below average water year (based on the 86-year San Clemente Dam precipitation record). At San Clemente Dam total WY-08 rainfall was 19.61 inches (Table 1 and Figure 1). The average rainfall at the Dam is 21.40 inches. Using Log-Pearson Type-III analysis, rainfall at San Clemente dam should be 19.61 inches approximately every 1.25 years (Figure 2). Total rainfall at Santa Lucia Preserve in WY-08 was 27.49 inches (Table 2 and Figure 3). Santa Lucia Preserve received over 7 inches more rain than San Clemente Dam. The January 5/6 storms accounted for approximately 3 inches of the difference.

3 Streamflow, Temperature, and Conductance Data

The streamflow gaging stations on Potrero and San Clemente each consist of a Campbell CR10X data logger (powered by 10 or 20 watt solar panels), two Druck pressure transducers to measure water depth, Campbell specific conductance

and water temperature probe, as well as staff plates for manual readings (Balance Hydrologics 2002). Data loggers record measurements of pressure, temperature, and conductance at 15-minute intervals.

In WY-08, streamflow gage data were downloaded during monthly visits, during which time manual discharge measurements were also taken using standard hydrologic practices. A Swoffer (model 3000) current velocity meter was used to measure discharge although a portable Parshall flume was used when flows were too low to use the Swoffer meter.

3.1 Potrero Creek

The gage station on Potrero Creek was installed April 29, 2002 and is located upstream of the T-11 well. In WY-08, Potrero Creek had a mean daily flow of 0.63 cfs, a maximum daily flow of 21.33 cfs, and a minimum daily flow of 0.01 cfs; the 7-day low flow was also 0.02 cfs (Table 3). Mean daily streamflow and manual discharge measurements are presented in Figure 4. Temperature and conductance data are presented in Tables 4 through 7 and in Figure 5.

3.2 San Clemente Creek

The gage station on San Clemente Creek was installed April 30, 2002 and is located near the Santa Lucia Preserve property boundary. In WY-08, San Clemente Creek had a mean daily flow of 2.09 cfs, a maximum daily flow of 49.38 cfs, and a minimum daily flow of 0.07 cfs; the 7-day low flow was 0.07 cfs (Table 8). Mean daily streamflow and manual discharge measurements are presented in Figure 6. Temperature and conductance data are presented in Tables 9 through 12, and in Figure 7.

4 Limitations

Streamflow gage data are based on a stage-discharge relationship unique to each stream and gage location and developed over time. Manual discharge measurements are taken at various flow conditions while recording the stage at which this discharge occurred. It is necessary to consistently update the streamflow data to reflect these changes. Streamflow data contained within this

report should be considered provisional and caution should be exercised when using these data.

5 References

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Available: http://ccows.csumb.edu/pubs/reports/CCoWS_SLC_2008_Baseflow_081211.pdf

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Available:

http://ccows.csumb.edu/pubs/reports/CCoWS_SLP_Annual_Baseflow_Report_071015.pdf

6 Tables

Table 1: Daily precipitation record and monthly totals, water year 2008

San Clemente Dam. Monterey County, California

Values are inches

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| 1 | | | 0.04 | | 0.04 | | | | | | | |
| 2 | | | | | | | 0.02 | | | | | |
| 3 | | | | | | | 0.2 | | | | | |
| 4 | | | | 0.9 | 1.11 | | | | | | | |
| 5 | 0.05 | | 0.83 | 4.14 | | | | | | | | |
| 6 | | | 0.05 | | | | | | | | | |
| 7 | | | | 1.14 | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | 0.04 | | 0.12 | | | | | | | | |
| 10 | 0.1 | 0.01 | | 0.05 | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | 0.15 | 0.1 | | | | | | | | | | |
| 13 | 0.18 | | | | | 0.07 | | | | | | |
| 14 | | | | | | T | | | | | | |
| 15 | | | | | | 0.18 | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | 0.08 | | 0.05 | | | | | | | | | |
| 18 | | | 0.28 | | | | | | | | | |
| 19 | | | 0.33 | | | | | | | | | |
| 20 | | | 0.11 | | 0.39 | | | | | | | |
| 21 | | | 0.01 | 0.14 | T | | | | | | | |
| 22 | | | | 0.75 | 0.21 | | | | | | | |
| 23 | | | | 0.2 | 0.07 | | 0.03 | | | | | |
| 24 | | | | 0.75 | 2.1 | | | | | | | |
| 25 | | | | 0.78 | 0.1 | | | | | | | |
| 26 | | | 0.04 | 2.73 | | | | | | | | |
| 27 | | | | 0.71 | | | | | | | | |
| 28 | | | T | 0.1 | | | | | | | | |
| 29 | | | | 0.05 | | 0.04 | | | | | | |
| 30 | 0.01 | | | | | | | | | | | |
| 31 | | | 0.03 | | | T | | | | | | |

| | | | | | | | | | | | | |
|-------|------|------|------|-------|------|------|------|--|--|--|--|--|
| Total | 0.57 | 0.15 | 1.77 | 12.56 | 4.02 | 0.29 | 0.25 | | | | | |
|-------|------|------|------|-------|------|------|------|--|--|--|--|--|

Annual Total **19.61**

(note-T = trace, which is rainfall of less than 0.01 inches)

Table 2: Daily precipitation record and monthly totals, water year 2008

Santa Lucia Preserve Golf Course, Monterey County, California

Values are inches

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | | | 0.06 | 0.01 | 0.09 | | | | | | | |
| 2 | | | | | 0.57 | | 0.23 | | | | | |
| 3 | | | | 0.23 | 1.12 | | 0.06 | | | | | |
| 4 | | | | 6.16 | 0.01 | | | | | | | |
| 5 | 0.24 | | | 1.53 | | | | | | | | |
| 6 | | | | 0.18 | | | | | | | | |
| 7 | | | 1.28 | 0.06 | | | | | | | | |
| 8 | | | 0.09 | 0.28 | | | | | | | | |
| 9 | | 0.04 | 0.07 | | | | | | | | | |
| 10 | 0.4 | | | 0.02 | | | | | | | | |
| 11 | | 0.2 | | 0.01 | | | | | | | | |
| 12 | 0.16 | | | | | | | | | | | |
| 13 | 0.14 | | | | | 0.07 | | | | | | |
| 14 | | | | | | 0.01 | | | | | | |
| 15 | | | | | | 0.3 | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | 0.22 | | 0.24 | | | | | | | | | |
| 18 | | | 0.98 | | | | | | | | | |
| 19 | | | 0.35 | | 0.1 | | | | | | | |
| 20 | 0.01 | | 0.3 | 0.12 | 0.36 | | | | | | | |
| 21 | | | | 0.33 | | | | | | | | |
| 22 | | | | 0.55 | 0.39 | | | | | | | |
| 23 | | | | 0.39 | 1.23 | | 0.14 | 0.01 | | | | |
| 24 | | | | 0.77 | 1.38 | | | | | | | |
| 25 | | | | 2.7 | 0.02 | | | | | | | |
| 26 | | | 0.11 | 0.37 | | | | | | | | |
| 27 | | | | 2.28 | | | | | | | | |
| 28 | | | 0.01 | 0.2 | | | | | | | | |
| 29 | | | 0.01 | 0.04 | | 0.01 | | | | | | |
| 30 | 0.01 | | 0.06 | 0.06 | | | | | | | | |
| 31 | | | | 0.12 | | | | | | | | |

| | | | | | | | | | | | | |
|--------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Total | 1.18 | 0.24 | 3.56 | 16.41 | 5.27 | 0.39 | 0.43 | 0.01 | | | | |
|--------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--|--|--|--|

Annual Total **27.49**

Table 3: Mean daily flow, Potrero Creek, water year 2008

Santa Lucia Preserve, Monterey County, California

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------|------|-------|-------|--------|--------|-------|-------|------|------|------|------|------|
| 1 | 0.02 | 0.22 | 0.23 | 0.63 | 1.81 | 1.09 | 0.19 | 0.12 | 0.17 | 0.19 | 0.08 | 0.04 |
| 2 | 0.02 | 0.19 | 0.23 | 0.61 | 1.29 | 0.86 | 0.22 | 0.12 | 0.16 | 0.16 | 0.08 | 0.02 |
| 3 | 0.02 | 0.18 | 0.26 | 0.73 | 7.60 | 0.69 | 0.25 | 0.15 | 0.16 | 0.14 | 0.07 | 0.02 |
| 4 | 0.03 | 0.18 | 0.33 | 4.20 | 6.21 | 0.62 | 0.22 | 0.15 | 0.17 | 0.13 | 0.10 | 0.02 |
| 5 | 0.05 | 0.21 | 0.40 | 6.14 | 3.07 | 0.56 | 0.23 | 0.14 | 0.16 | 0.14 | 0.11 | 0.02 |
| 6 | 0.02 | 0.26 | 0.47 | 5.64 | 2.13 | 0.49 | 0.21 | 0.15 | 0.16 | 0.14 | 0.10 | 0.02 |
| 7 | 0.01 | 0.27 | 0.96 | 1.78 | 1.54 | 0.46 | 0.19 | 0.15 | 0.15 | 0.14 | 0.09 | 0.02 |
| 8 | 0.01 | 0.28 | 0.71 | 1.00 | 1.24 | 0.46 | 0.19 | 0.14 | 0.13 | 0.14 | 0.09 | 0.04 |
| 9 | 0.03 | 0.29 | 0.53 | 0.77 | 0.97 | 0.42 | 0.21 | 0.14 | 0.14 | 0.12 | 0.09 | 0.06 |
| 10 | 0.19 | 0.25 | 0.52 | 0.66 | 0.80 | 0.41 | 0.21 | 0.15 | 0.13 | 0.12 | 0.08 | 0.07 |
| 11 | 0.11 | 0.38 | 0.46 | 0.54 | 0.66 | 0.40 | 0.20 | 0.16 | 0.12 | 0.16 | 0.09 | 0.05 |
| 12 | 0.21 | 0.26 | 0.44 | 0.38 | 0.57 | 0.40 | 0.21 | 0.14 | 0.12 | 0.17 | 0.10 | 0.05 |
| 13 | 0.24 | 0.25 | 0.42 | 0.30 | 0.51 | 0.41 | 0.20 | 0.13 | 0.14 | 0.15 | 0.10 | 0.06 |
| 14 | 0.19 | 0.29 | 0.42 | 0.24 | 0.37 | 0.38 | 0.20 | 0.15 | 0.16 | 0.16 | 0.12 | 0.05 |
| 15 | 0.20 | 0.31 | 0.49 | 0.21 | 0.26 | 0.35 | 0.16 | 0.17 | 0.15 | 0.15 | 0.11 | 0.06 |
| 16 | 0.22 | 0.32 | 0.49 | 0.20 | 0.22 | 0.30 | 0.15 | 0.19 | 0.16 | 0.14 | 0.11 | 0.08 |
| 17 | 0.27 | 0.30 | 0.63 | 0.17 | 0.25 | 0.26 | 0.16 | 0.18 | 0.17 | 0.13 | 0.11 | 0.06 |
| 18 | 0.20 | 0.28 | 1.17 | 0.14 | 0.27 | 0.30 | 0.18 | 0.17 | 0.14 | 0.12 | 0.10 | 0.04 |
| 19 | 0.21 | 0.31 | 0.81 | 0.14 | 0.28 | 0.32 | 0.17 | 0.16 | 0.13 | 0.13 | 0.08 | 0.04 |
| 20 | 0.23 | 0.27 | 1.04 | 0.15 | 0.34 | 0.29 | 0.13 | 0.18 | 0.14 | 0.14 | 0.07 | 0.07 |
| 21 | 0.16 | 0.20 | 0.71 | 0.25 | 0.29 | 0.24 | 0.12 | 0.17 | 0.12 | 0.14 | 0.07 | 0.07 |
| 22 | 0.13 | 0.18 | 0.57 | 0.65 | 0.36 | 0.24 | 0.13 | 0.16 | 0.11 | 0.11 | 0.07 | 0.05 |
| 23 | 0.13 | 0.17 | 0.57 | 0.55 | 0.40 | 0.23 | 0.17 | 0.17 | 0.13 | 0.10 | 0.11 | 0.03 |
| 24 | 0.15 | 0.16 | 0.65 | 3.64 | 4.95 | 0.23 | 0.13 | 0.16 | 0.15 | 0.10 | 0.08 | 0.04 |
| 25 | 0.18 | 0.20 | 0.58 | 14.99 | 6.30 | 0.24 | 0.13 | 0.17 | 0.17 | 0.09 | 0.06 | 0.04 |
| 26 | 0.20 | 0.19 | 0.62 | 14.14 | 3.12 | 0.22 | 0.15 | 0.15 | 0.17 | 0.08 | 0.04 | 0.04 |
| 27 | 0.19 | 0.18 | 0.56 | 21.33 | 2.13 | 0.18 | 0.16 | 0.14 | 0.16 | 0.10 | 0.04 | 0.05 |
| 28 | 0.18 | 0.18 | 0.66 | 18.68 | 1.64 | 0.19 | 0.16 | 0.13 | 0.17 | 0.13 | 0.04 | 0.09 |
| 29 | 0.22 | 0.19 | 0.75 | 8.59 | 1.27 | 0.24 | 0.16 | 0.15 | 0.18 | 0.12 | 0.04 | 0.11 |
| 30 | 0.22 | 0.21 | 0.85 | 4.06 | | 0.21 | 0.14 | 0.17 | 0.18 | 0.09 | 0.05 | 0.08 |
| 31 | 0.20 | | 0.69 | 2.34 | | 0.19 | | 0.18 | | 0.11 | 0.06 | |
| Mean | 0.14 | 0.24 | 0.59 | 3.67 | 1.75 | 0.38 | 0.18 | 0.16 | 0.15 | 0.13 | 0.08 | 0.05 |
| Max Day | 0.27 | 0.38 | 1.17 | 21.33 | 7.60 | 1.09 | 0.25 | 0.19 | 0.18 | 0.19 | 0.12 | 0.11 |
| Min Day | 0.01 | 0.16 | 0.23 | 0.14 | 0.22 | 0.18 | 0.12 | 0.12 | 0.11 | 0.08 | 0.04 | 0.02 |
| Yield (ac-ft) | 8.78 | 14.17 | 36.21 | 225.79 | 100.86 | 23.57 | 10.52 | 9.54 | 8.90 | 8.00 | 4.96 | 2.99 |

Water Year 2007 Annual Summary

| | | | yr | day | cfs | Approximate date and value of first minimum daily mean flow near the end of each water year. |
|-------------------------|--------|--------------|------|------|------|--|
| Mean Daily Flow | 0.63 | cfs | 1992 | 7/10 | 0.02 | |
| Max. Daily Flow | 21.33 | cfs | 1993 | 7/21 | 0.04 | |
| Min. Daily Flow | 0.01 | cfs | 1994 | 8/14 | 0.02 | |
| 7-Day Low Flow | 0.02 | cfs | 1995 | 9/19 | 0.02 | |
| Total Yield | 132.30 | acre-ft | 2002 | 8/8 | 0.01 | |
| Normalized Yield | 0.04 | acre-ft/acre | 2003 | 8/23 | 0.01 | |
| | | | 2004 | 8/27 | 0.00 | |
| | | | 2005 | 9/30 | 0.05 | |
| | | | 2006 | 9/17 | 0.06 | |
| | | | 2007 | 9/6 | <.01 | |
| | | | 2008 | 9/1 | 0.02 | |

Table 4: Mean Daily Water Temperature (°C)

Potrero Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 11.72 | 11.18 | 7.57 | 6.40 | 8.68 | 9.74 | 9.00 | 9.96 | 11.47 | 12.84 | 12.81 | 13.48 |
| 2 | 11.73 | 10.92 | 7.13 | 6.13 | 8.34 | 9.24 | 9.03 | 9.88 | 11.42 | 12.70 | 12.92 | 13.36 |
| 3 | 11.84 | 10.87 | 7.43 | 6.77 | 9.21 | 8.74 | 9.77 | 10.08 | 11.26 | 12.80 | 12.96 | 13.30 |
| 4 | 11.99 | 10.63 | 7.88 | 8.16 | 8.64 | 8.66 | 9.73 | 10.24 | 11.52 | 13.02 | 12.97 | 13.26 |
| 5 | 11.86 | 10.46 | 8.83 | 9.23 | 7.43 | 8.71 | 9.86 | 10.14 | 11.51 | 13.20 | 13.01 | 13.22 |
| 6 | 11.27 | 10.81 | 8.70 | 9.17 | 7.62 | 8.65 | 9.73 | 10.43 | 11.73 | 13.33 | 13.11 | 13.25 |
| 7 | 10.71 | 10.96 | 9.26 | 8.61 | 7.73 | 8.67 | 9.60 | 10.42 | 11.61 | 13.06 | 13.21 | 13.36 |
| 8 | 10.71 | 11.18 | 9.20 | 7.71 | 8.02 | 9.18 | 9.63 | 10.40 | 11.44 | 13.04 | 13.29 | 13.55 |
| 9 | 10.85 | 11.19 | 7.74 | 8.02 | 8.04 | 9.09 | 9.83 | 10.46 | 11.61 | 13.18 | 13.32 | 13.73 |
| 10 | 11.54 | 10.67 | 7.15 | 8.52 | 8.25 | 9.38 | 10.09 | 10.56 | 11.95 | 13.33 | 13.27 | 13.88 |
| 11 | 11.14 | 11.15 | 6.47 | 8.86 | 8.31 | 9.80 | 10.09 | 10.66 | 11.82 | 13.48 | 13.02 | 13.92 |
| 12 | 11.04 | 10.35 | 5.94 | 8.20 | 8.49 | 9.92 | 10.42 | 10.50 | 11.79 | 13.75 | 13.23 | 13.94 |
| 13 | 11.57 | 10.07 | 5.58 | 7.84 | 8.70 | 10.28 | 10.60 | 10.34 | 11.87 | 13.83 | 13.21 | 13.91 |
| 14 | 11.33 | 10.53 | 5.32 | 7.40 | 8.13 | 10.26 | 10.70 | 10.62 | 12.13 | 13.98 | 13.31 | 13.84 |
| 15 | 11.50 | 10.70 | 5.81 | 7.34 | 7.34 | 9.72 | 10.27 | 11.24 | 12.14 | 14.04 | 13.42 | 13.72 |
| 16 | 11.80 | 10.69 | 5.92 | 6.96 | 7.18 | 9.30 | 9.91 | 11.79 | 12.02 | 14.08 | 13.62 | 13.80 |
| 17 | 11.95 | 10.64 | 6.78 | 6.39 | 7.88 | 9.02 | 10.00 | 12.03 | 12.01 | 13.91 | 13.84 | 13.82 |
| 18 | 11.40 | 10.34 | 7.78 | 6.00 | 8.58 | 9.46 | 10.29 | 12.02 | 12.00 | 13.74 | 14.05 | 13.32 |
| 19 | 11.46 | 10.61 | 7.67 | 5.88 | 8.98 | 10.09 | 10.16 | 11.84 | 12.15 | 13.52 | 14.24 | 12.93 |
| 20 | 11.74 | 10.44 | 7.92 | 5.92 | 9.30 | 10.03 | 9.61 | 11.99 | 12.72 | 13.37 | 14.21 | 13.41 |
| 21 | 10.98 | 9.28 | 7.45 | 6.53 | 9.15 | 9.47 | 9.37 | 11.93 | 13.08 | 13.29 | 14.47 | 13.62 |
| 22 | 10.62 | 8.59 | 6.34 | 7.04 | 9.53 | 9.34 | 9.19 | 11.65 | 12.86 | 13.32 | 14.39 | 13.58 |
| 23 | 10.60 | 8.18 | 6.03 | 7.02 | 9.06 | 9.39 | 9.78 | 11.60 | 12.56 | 12.93 | 14.43 | 13.38 |
| 24 | 10.92 | 7.62 | 6.58 | 6.78 | 9.57 | 9.42 | 9.49 | 11.49 | 12.44 | 12.82 | 14.44 | 13.23 |
| 25 | 10.89 | 7.86 | 6.36 | 7.99 | 9.86 | 9.74 | 9.46 | 11.49 | 12.34 | 12.87 | 14.36 | 13.16 |
| 26 | 11.21 | 8.01 | 6.36 | 9.53 | 9.33 | 9.68 | 9.77 | 11.29 | 12.24 | 12.69 | 14.22 | 13.26 |
| 27 | 10.95 | 7.87 | 5.94 | 9.81 | 9.37 | 9.26 | 10.25 | 11.08 | 12.23 | 12.91 | 14.02 | 13.19 |
| 28 | 10.97 | 7.84 | 6.29 | 8.88 | 9.52 | 8.87 | 10.44 | 10.86 | 12.50 | 12.95 | 13.98 | 13.15 |
| 29 | 11.15 | 7.59 | 7.05 | 7.86 | 9.49 | 9.63 | 10.54 | 11.14 | 12.66 | 13.02 | 14.03 | 13.34 |
| 30 | 11.46 | 7.60 | 7.85 | 8.17 | | 9.35 | 10.28 | 11.44 | 12.61 | 12.95 | 14.10 | 13.08 |
| 31 | 11.07 | | 7.16 | 8.14 | | 9.04 | | 11.45 | | 13.01 | 13.91 | |
| Mean Day | 11.29 | 9.83 | 7.08 | 7.65 | 8.61 | 9.39 | 9.90 | 11.00 | 12.06 | 13.26 | 13.66 | 13.47 |
| Max Day | 11.99 | 11.19 | 9.26 | 9.81 | 9.86 | 10.28 | 10.70 | 12.03 | 13.08 | 14.08 | 14.47 | 13.94 |
| Min Day | 10.60 | 7.59 | 5.32 | 5.88 | 7.18 | 8.65 | 9.00 | 9.88 | 11.26 | 12.69 | 12.81 | 12.93 |

Table 5: Maximum Daily Water Temperature (°C)

Potrero Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 12.0 | 11.4 | 7.7 | 6.9 | 8.89 | 10.1 | 9.4 | 10.3 | 11.6 | 13.0 | 13.1 | 13.9 |
| 2 | 12.0 | 11.3 | 7.5 | 6.5 | 8.85 | 9.9 | 9.3 | 10.1 | 11.6 | 13.0 | 13.2 | 13.6 |
| 3 | 12.1 | 11.1 | 7.6 | 7.4 | 9.35 | 9.2 | 10.3 | 10.3 | 11.6 | 13.2 | 13.1 | 13.5 |
| 4 | 12.1 | 11.0 | 8.6 | 9.0 | 9.05 | 9.1 | 10.0 | 10.3 | 11.7 | 13.2 | 13.1 | 13.4 |
| 5 | 12.0 | 10.7 | 9.1 | 9.5 | 8.21 | 9.2 | 10.0 | 10.4 | 11.8 | 13.4 | 13.2 | 13.4 |
| 6 | 11.9 | 11.0 | 9.1 | 9.6 | 8.23 | 9.1 | 10.1 | 10.7 | 11.9 | 13.5 | 13.3 | 13.5 |
| 7 | 11.2 | 11.1 | 9.4 | 9.0 | 8.14 | 9.2 | 9.9 | 10.6 | 11.9 | 13.3 | 13.3 | 13.5 |
| 8 | 11.0 | 11.3 | 9.4 | 8.2 | 8.45 | 9.6 | 9.8 | 10.5 | 11.8 | 13.3 | 13.4 | 13.7 |
| 9 | 11.2 | 11.3 | 8.7 | 8.3 | 8.56 | 9.6 | 10.1 | 10.6 | 12.1 | 13.4 | 13.5 | 13.9 |
| 10 | 11.8 | 11.2 | 7.5 | 9.2 | 8.67 | 9.9 | 10.4 | 10.8 | 12.3 | 13.5 | 13.5 | 14.0 |
| 11 | 11.7 | 11.4 | 7.0 | 9.2 | 8.78 | 10.2 | 10.6 | 10.8 | 12.2 | 13.7 | 13.3 | 14.0 |
| 12 | 11.4 | 11.1 | 6.4 | 8.8 | 8.91 | 10.3 | 10.9 | 10.7 | 12.1 | 14.0 | 13.3 | 14.0 |
| 13 | 11.8 | 10.5 | 5.9 | 8.3 | 9.08 | 10.6 | 11.0 | 10.8 | 12.1 | 14.0 | 13.4 | 14.0 |
| 14 | 11.7 | 10.8 | 5.6 | 7.9 | 8.75 | 10.5 | 10.9 | 11.0 | 12.3 | 14.1 | 13.5 | 14.0 |
| 15 | 11.7 | 10.9 | 6.1 | 7.7 | 7.95 | 10.2 | 10.6 | 11.7 | 12.3 | 14.2 | 13.6 | 13.9 |
| 16 | 12.0 | 10.9 | 6.3 | 7.5 | 7.62 | 9.6 | 10.2 | 12.2 | 12.2 | 14.2 | 13.8 | 13.9 |
| 17 | 12.1 | 10.9 | 7.4 | 6.9 | 8.37 | 9.5 | 10.4 | 12.3 | 12.4 | 14.1 | 14.0 | 13.9 |
| 18 | 11.9 | 10.7 | 8.2 | 6.4 | 8.95 | 10.0 | 10.5 | 12.2 | 12.4 | 13.9 | 14.2 | 13.8 |
| 19 | 11.8 | 10.9 | 8.2 | 6.2 | 9.29 | 10.4 | 10.4 | 12.1 | 12.7 | 13.7 | 14.4 | 13.3 |
| 20 | 11.9 | 10.9 | 8.2 | 6.4 | 9.53 | 10.3 | 10.0 | 12.3 | 13.1 | 13.5 | 14.4 | 13.6 |
| 21 | 11.6 | 10.1 | 8.1 | 6.9 | 9.57 | 10.0 | 9.6 | 12.1 | 13.3 | 13.4 | 14.6 | 13.8 |
| 22 | 11.0 | 9.1 | 7.0 | 7.4 | 9.68 | 9.9 | 9.5 | 11.8 | 13.2 | 13.5 | 14.6 | 13.8 |
| 23 | 11.0 | 8.6 | 6.4 | 7.4 | 9.53 | 9.9 | 10.1 | 11.8 | 12.8 | 13.4 | 14.5 | 13.7 |
| 24 | 11.2 | 8.1 | 7.0 | 7.1 | 10.01 | 9.9 | 9.9 | 11.7 | 12.6 | 13.0 | 14.5 | 13.5 |
| 25 | 11.2 | 8.2 | 6.9 | 9.6 | 10.1 | 10.2 | 9.9 | 11.6 | 12.5 | 13.1 | 14.5 | 13.3 |
| 26 | 11.4 | 8.2 | 6.5 | 9.8 | 9.87 | 10.1 | 10.3 | 11.6 | 12.4 | 13.0 | 14.5 | 13.4 |
| 27 | 11.2 | 8.2 | 6.5 | 9.9 | 9.9 | 9.8 | 10.7 | 11.4 | 12.6 | 13.1 | 14.3 | 13.4 |
| 28 | 11.2 | 8.1 | 6.8 | 9.6 | 9.98 | 9.4 | 10.7 | 11.2 | 12.7 | 13.0 | 14.2 | 13.3 |
| 29 | 11.3 | 8.0 | 7.6 | 8.5 | 9.92 | 9.8 | 10.8 | 11.5 | 12.8 | 13.2 | 14.2 | 13.5 |
| 30 | 11.6 | 7.7 | 8.1 | 8.5 | | 9.6 | 10.6 | 11.6 | 12.8 | 13.2 | 14.2 | 13.4 |
| 31 | 11.6 | | 7.9 | 8.9 | | 9.3 | | 11.5 | | 13.2 | 14.1 | |
| Mean Day | 11.59 | 10.15 | 7.50 | 8.14 | 9.04 | 9.81 | 10.22 | 11.23 | 12.32 | 13.46 | 13.82 | 13.65 |
| Max Day | 12.09 | 11.36 | 9.37 | 9.92 | 10.10 | 10.59 | 10.96 | 12.33 | 13.30 | 14.19 | 14.64 | 14.02 |
| Min Day | 10.98 | 7.72 | 5.62 | 6.20 | 7.62 | 9.09 | 9.34 | 10.13 | 11.56 | 12.98 | 13.10 | 13.30 |

Table 6: Minimum Daily Water Temperature (°C)

Potrero Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 11.5 | 11.0 | 7.4 | 6.1 | 8.4 | 9.4 | 8.5 | 9.6 | 11.4 | 12.7 | 12.5 | 13.2 |
| 2 | 11.5 | 10.6 | 6.8 | 5.8 | 7.9 | 8.8 | 8.8 | 9.5 | 11.3 | 12.4 | 12.7 | 13.1 |
| 3 | 11.7 | 10.6 | 7.2 | 6.5 | 8.9 | 8.1 | 9.4 | 9.9 | 10.9 | 12.4 | 12.8 | 13.1 |
| 4 | 11.9 | 10.4 | 7.6 | 7.4 | 8.2 | 8.1 | 9.4 | 10.2 | 11.4 | 12.8 | 12.8 | 13.1 |
| 5 | 11.8 | 10.3 | 8.6 | 9.0 | 6.9 | 8.1 | 9.7 | 9.8 | 11.3 | 13.0 | 12.9 | 13.0 |
| 6 | 11.0 | 10.7 | 8.5 | 8.9 | 7.2 | 8.1 | 9.4 | 10.3 | 11.6 | 13.2 | 13.0 | 13.1 |
| 7 | 10.3 | 10.9 | 9.0 | 8.2 | 7.2 | 8.1 | 9.3 | 10.4 | 11.3 | 12.8 | 13.1 | 13.2 |
| 8 | 10.4 | 11.1 | 8.7 | 7.2 | 7.5 | 8.7 | 9.5 | 10.3 | 11.0 | 12.8 | 13.2 | 13.5 |
| 9 | 10.6 | 11.1 | 7.4 | 7.6 | 7.4 | 8.5 | 9.6 | 10.3 | 11.2 | 12.9 | 13.1 | 13.7 |
| 10 | 11.2 | 10.4 | 6.9 | 8.1 | 7.7 | 8.8 | 9.7 | 10.4 | 11.7 | 13.1 | 13.1 | 13.8 |
| 11 | 10.8 | 10.9 | 6.2 | 8.5 | 7.8 | 9.4 | 9.6 | 10.6 | 11.4 | 13.3 | 12.8 | 13.8 |
| 12 | 10.8 | 10.0 | 5.7 | 7.7 | 7.9 | 9.6 | 10.0 | 10.3 | 11.4 | 13.6 | 13.1 | 13.9 |
| 13 | 11.4 | 9.8 | 5.3 | 7.4 | 8.3 | 10.1 | 10.2 | 9.9 | 11.6 | 13.7 | 13.0 | 13.8 |
| 14 | 11.1 | 10.3 | 5.0 | 6.9 | 7.7 | 10.0 | 10.6 | 10.2 | 12.0 | 13.9 | 13.2 | 13.7 |
| 15 | 11.3 | 10.5 | 5.5 | 6.9 | 6.7 | 9.5 | 10.0 | 10.9 | 12.0 | 13.9 | 13.3 | 13.6 |
| 16 | 11.7 | 10.5 | 5.6 | 6.5 | 6.6 | 8.9 | 9.5 | 11.5 | 11.9 | 14.0 | 13.5 | 13.7 |
| 17 | 11.8 | 10.4 | 6.3 | 6.0 | 7.5 | 8.5 | 9.6 | 11.7 | 11.7 | 13.8 | 13.7 | 13.7 |
| 18 | 11.1 | 10.1 | 7.4 | 5.6 | 8.3 | 9.1 | 10.1 | 11.7 | 11.6 | 13.6 | 13.9 | 13.1 |
| 19 | 11.3 | 10.5 | 7.4 | 5.5 | 8.8 | 9.9 | 10.0 | 11.5 | 11.7 | 13.4 | 14.1 | 12.6 |
| 20 | 11.6 | 10.1 | 7.6 | 5.6 | 9.1 | 9.7 | 9.3 | 11.8 | 12.4 | 13.3 | 14.0 | 13.2 |
| 21 | 10.7 | 9.0 | 7.0 | 6.2 | 8.8 | 8.9 | 9.1 | 11.8 | 12.9 | 13.2 | 14.3 | 13.5 |
| 22 | 10.3 | 8.3 | 6.0 | 6.8 | 9.4 | 8.7 | 8.8 | 11.4 | 12.6 | 13.2 | 14.2 | 13.3 |
| 23 | 10.3 | 7.9 | 5.8 | 6.7 | 8.6 | 8.8 | 9.5 | 11.4 | 12.4 | 12.6 | 14.3 | 13.1 |
| 24 | 10.7 | 7.3 | 6.4 | 6.5 | 9.2 | 8.9 | 9.0 | 11.3 | 12.2 | 12.7 | 14.3 | 13.0 |
| 25 | 10.7 | 7.7 | 6.1 | 7.0 | 9.6 | 9.2 | 9.0 | 11.3 | 12.3 | 12.7 | 14.2 | 12.9 |
| 26 | 11.1 | 7.8 | 6.3 | 9.3 | 8.7 | 9.2 | 9.3 | 11.0 | 12.1 | 12.4 | 14.0 | 13.1 |
| 27 | 10.8 | 7.6 | 5.6 | 9.6 | 8.8 | 8.9 | 9.9 | 10.8 | 12.0 | 12.8 | 13.8 | 13.0 |
| 28 | 10.8 | 7.6 | 6.0 | 8.1 | 9.0 | 8.3 | 10.2 | 10.4 | 12.4 | 12.9 | 13.8 | 13.0 |
| 29 | 11.1 | 7.3 | 6.8 | 7.2 | 8.9 | 9.4 | 10.4 | 10.8 | 12.6 | 12.9 | 13.8 | 13.3 |
| 30 | 11.3 | 7.5 | 7.6 | 7.9 | | 9.3 | 10.0 | 11.3 | 12.4 | 12.7 | 14.0 | 12.8 |
| 31 | 10.8 | | 6.8 | 7.7 | | 8.7 | | 11.4 | | 12.8 | 13.7 | |
| Mean Day | 11.07 | 9.60 | 6.79 | 7.24 | 8.17 | 8.95 | 9.57 | 10.76 | 11.81 | 13.07 | 13.49 | 13.29 |
| Max Day | 11.86 | 11.11 | 8.97 | 9.63 | 9.63 | 10.05 | 10.58 | 11.77 | 12.85 | 13.95 | 14.34 | 13.85 |
| Min Day | 10.30 | 7.27 | 5.04 | 5.50 | 6.62 | 8.06 | 8.54 | 9.54 | 10.93 | 12.37 | 12.50 | 12.58 |

Table 7: Mean Daily Specific Conductance (umhos/cm @ 25 C)

Potrero Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1040 | 973 | 998 | 1014 | 300 | 342 | 716 | 820 | 863 | 908 | 934 | 918 |
| 2 | 1040 | 971 | 1000 | 1016 | 320 | 361 | 721 | 824 | 862 | 909 | 934 | 917 |
| 3 | 1040 | 970 | 1002 | 1016 | 346 | 378 | 726 | 829 | 861 | 912 | 932 | 916 |
| 4 | 1038 | 969 | 1003 | 1016 | 363 | 393 | 729 | 832 | 861 | 917 | 932 | 916 |
| 5 | 1035 | 969 | 1004 | 1011 | 361 | 410 | 731 | 834 | 862 | 920 | 933 | 918 |
| 6 | 1032 | 969 | 1004 | 879 | 353 | 426 | 732 | 838 | 865 | 920 | 933 | 919 |
| 7 | 1030 | 970 | 1007 | 716 | 347 | 444 | 733 | 840 | 869 | 919 | 932 | 918 |
| 8 | 1028 | 970 | 1005 | 478 | 347 | 459 | 734 | 843 | 876 | 919 | 930 | 917 |
| 9 | 1026 | 970 | 999 | 509 | 352 | 472 | 735 | 845 | 881 | 920 | 928 | 917 |
| 10 | 1025 | 969 | 1000 | 570 | 359 | 485 | 735 | 847 | 885 | 922 | 927 | 917 |
| 11 | 1028 | 972 | 1004 | 638 | 367 | 499 | 734 | 849 | 887 | 922 | 927 | 916 |
| 12 | 1031 | 973 | 1008 | 707 | 376 | 514 | 733 | 850 | 890 | 923 | 927 | 916 |
| 13 | 1034 | 974 | 1012 | 765 | 387 | 529 | 734 | 852 | 891 | 922 | 927 | 915 |
| 14 | 1035 | 975 | 1015 | 812 | 399 | 543 | 738 | 855 | 893 | 923 | 927 | 916 |
| 15 | 1037 | 975 | 1016 | 847 | 412 | 557 | 745 | 858 | 893 | 923 | 927 | 918 |
| 16 | 1036 | 975 | 1016 | 870 | 427 | 571 | 752 | 862 | 894 | 924 | 926 | 921 |
| 17 | 1032 | 975 | 1015 | 888 | 444 | 581 | 762 | 864 | 895 | 925 | 924 | 922 |
| 18 | 1027 | 975 | 1013 | 905 | 462 | 593 | 770 | 866 | 895 | 926 | 924 | 922 |
| 19 | 1023 | 975 | 1012 | 919 | 482 | 604 | 773 | 867 | 896 | 927 | 924 | 922 |
| 20 | 1018 | 975 | 1010 | 933 | 502 | 616 | 777 | 867 | 900 | 927 | 922 | 925 |
| 21 | 1010 | 974 | 999 | 946 | 524 | 628 | 781 | 866 | 905 | 928 | 921 | 925 |
| 22 | 1005 | 977 | 989 | 952 | 545 | 639 | 785 | 866 | 906 | 930 | 920 | 925 |
| 23 | 1001 | 980 | 988 | 933 | 566 | 649 | 789 | 866 | 904 | 930 | 921 | 925 |
| 24 | 997 | 983 | 991 | 867 | 585 | 659 | 791 | 865 | 904 | 931 | 922 | 925 |
| 25 | 992 | 986 | 995 | 688 | 492 | 669 | 796 | 865 | 904 | 932 | 922 | 925 |
| 26 | 989 | 987 | 1001 | 420 | 364 | 678 | 802 | 864 | 904 | 931 | 921 | 926 |
| 27 | 984 | 989 | 1005 | 250 | 323 | 687 | 808 | 864 | 905 | 931 | 920 | 927 |
| 28 | 982 | 991 | 1009 | 236 | 310 | 696 | 812 | 864 | 905 | 931 | 919 | 927 |
| 29 | 980 | 994 | 1010 | 229 | 324 | 702 | 815 | 864 | 906 | 931 | 920 | 928 |
| 30 | 978 | 997 | 1011 | 239 | | 707 | 818 | 864 | 906 | 932 | 921 | 927 |
| 31 | 974 | | 1011 | 270 | | 712 | | 863 | | 934 | 919 | |
| Mean Day | 1017 | 977 | 1005 | 727 | 405 | 555 | 760 | 853 | 889 | 924 | 926 | 921 |
| Max Day | 1040 | 997 | 1016 | 1016 | 585 | 712 | 818 | 867 | 906 | 934 | 934 | 928 |
| Min Day | 974 | 969 | 988 | 229 | 300 | 342 | 716 | 820 | 861 | 908 | 919 | 915 |

Table 8: Mean daily flow, San Clemente Creek, water year 2008

Santa Lucia Preserve, Monterey County, California

Values are cfs (unless otherwise noted), dashes indicate missing data

(note—data in italics from Balance Hydrologics 2007b; data in bold from CSUMB.)

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|------|-------|
| 1 | 0.17 | 0.24 | 0.22 | 0.17 | 8.98 | 6.65 | 2.08 | 1.21 | 1.21 | 0.69 | 0.22 | 0.13 |
| 2 | 0.18 | 0.23 | 0.22 | 0.17 | 7.72 | 6.18 | 2.15 | 1.16 | 1.16 | 0.69 | 0.20 | 0.14 |
| 3 | 0.18 | 0.23 | 0.22 | 0.20 | 26.24 | 5.67 | 2.18 | 1.15 | 1.15 | 0.65 | 0.19 | 0.14 |
| 4 | 0.18 | 0.22 | 0.23 | 15.63 | 17.03 | 5.38 | 2.02 | 1.19 | 1.19 | 0.63 | 0.18 | 0.14 |
| 5 | 0.21 | 0.22 | 0.24 | 18.34 | 12.17 | 5.03 | 1.99 | 1.16 | 1.16 | 0.63 | 0.18 | 0.15 |
| 6 | 0.19 | 0.23 | 0.26 | 9.25 | 10.27 | 4.70 | 1.94 | 1.11 | 1.11 | 0.61 | 0.17 | 0.16 |
| 7 | 0.18 | 0.23 | 0.36 | 3.46 | 9.07 | 4.49 | 1.90 | 1.11 | 1.11 | 0.57 | 0.15 | 0.19 |
| 8 | 0.18 | 0.24 | 0.20 | 2.43 | 7.90 | 4.34 | 1.89 | 1.12 | 1.12 | 0.56 | 0.14 | 0.22 |
| 9 | 0.19 | 0.26 | 0.17 | 2.01 | 6.82 | 4.10 | 1.87 | 1.07 | 1.07 | 0.51 | 0.12 | 0.24 |
| 10 | 0.25 | 0.25 | 0.17 | 1.60 | 6.06 | 3.90 | 1.80 | 1.03 | 1.03 | 0.47 | 0.11 | 0.26 |
| 11 | 0.25 | 0.26 | 0.16 | 1.38 | 5.51 | 3.80 | 1.75 | 1.01 | 1.01 | 0.42 | 0.12 | 0.25 |
| 12 | 0.30 | 0.22 | 0.16 | 1.18 | 5.07 | 3.66 | 1.69 | 0.99 | 0.99 | 0.40 | 0.13 | 0.26 |
| 13 | 0.29 | 0.21 | 0.15 | 1.05 | 4.73 | 3.59 | 1.65 | 0.95 | 0.95 | 0.38 | 0.12 | 0.27 |
| 14 | 0.28 | 0.22 | 0.16 | 0.92 | 4.22 | 3.47 | 1.62 | 0.90 | 0.90 | 0.36 | 0.12 | 0.29 |
| 15 | 0.28 | 0.21 | 0.16 | 0.87 | 3.72 | 3.73 | 1.60 | 0.85 | 0.85 | 0.35 | 0.11 | 0.28 |
| 16 | 0.28 | 0.22 | 0.16 | 0.81 | 3.53 | 3.34 | 1.57 | 0.79 | 0.79 | 0.34 | 0.11 | 0.28 |
| 17 | 0.29 | 0.21 | 0.21 | 0.73 | 3.41 | 3.06 | 1.53 | 0.73 | 0.73 | 0.33 | 0.10 | 0.29 |
| 18 | 0.26 | 0.21 | 0.37 | 0.69 | 3.29 | 2.96 | 1.50 | 0.69 | 0.69 | 0.32 | 0.10 | 0.30 |
| 19 | 0.26 | 0.22 | 0.21 | 0.66 | 3.23 | 2.91 | 1.49 | 0.66 | 0.66 | 0.30 | 0.10 | 0.31 |
| 20 | 0.26 | 0.21 | 0.24 | 0.69 | 3.52 | 2.79 | 1.44 | 0.62 | 0.62 | 0.29 | 0.10 | 0.32 |
| 21 | 0.24 | 0.20 | 0.18 | 0.82 | 3.21 | 2.68 | 1.44 | 0.66 | 0.66 | 0.27 | 0.10 | 0.32 |
| 22 | 0.23 | 0.21 | 0.16 | 1.74 | 3.47 | 2.61 | 1.44 | 0.75 | 0.75 | 0.25 | 0.09 | 0.33 |
| 23 | 0.22 | 0.20 | 0.17 | 1.69 | 5.65 | 2.51 | 1.51 | 0.73 | 0.73 | 0.23 | 0.08 | 0.33 |
| 24 | 0.21 | 0.19 | 0.18 | 6.10 | 27.95 | 2.43 | 1.41 | 0.70 | 0.70 | 0.23 | 0.08 | 0.34 |
| 25 | 0.21 | 0.20 | 0.16 | 27.95 | 16.84 | 2.37 | 1.37 | 0.72 | 0.72 | 0.23 | 0.08 | 0.35 |
| 26 | 0.23 | 0.19 | 0.18 | 25.49 | 11.14 | 2.30 | 1.33 | 0.73 | 0.73 | 0.24 | 0.07 | 0.36 |
| 27 | 0.23 | 0.19 | 0.16 | 49.38 | 9.36 | 2.26 | 1.27 | 0.70 | 0.70 | 0.24 | 0.07 | 0.36 |
| 28 | 0.23 | 0.19 | 0.18 | 37.32 | 8.20 | 2.23 | 1.19 | 0.69 | 0.69 | 0.22 | 0.08 | 0.37 |
| 29 | 0.24 | 0.19 | 0.19 | 20.28 | 7.30 | 2.25 | 1.21 | 0.67 | 0.67 | 0.22 | 0.08 | 0.38 |
| 30 | 0.24 | 0.19 | 0.20 | 13.22 | | 2.16 | 1.23 | 0.66 | 0.66 | 0.21 | 0.07 | 0.36 |
| 31 | 0.24 | | 0.17 | 9.90 | | 2.10 | | 0.69 | | 0.22 | 0.07 | |
| Mean | 0.23 | 0.22 | 0.20 | 8.26 | 8.47 | 3.54 | 1.64 | 0.88 | 0.88 | 0.39 | 0.12 | 0.27 |
| Max Day | 0.30 | 0.26 | 0.37 | 49.38 | 27.95 | 6.65 | 2.18 | 1.21 | 1.21 | 0.69 | 0.22 | 0.38 |
| Min Day | 0.17 | 0.19 | 0.15 | 0.17 | 3.21 | 2.10 | 1.19 | 0.62 | 0.62 | 0.21 | 0.07 | 0.13 |
| Yield (a-f) | 14.24 | 12.88 | 12.34 | 508.04 | 487.10 | 217.52 | 97.31 | 53.95 | 52.59 | 23.92 | 7.22 | 16.09 |

| Water Year 2007 Annual Summary | | yr | day | cfs | Approximate |
|--------------------------------|---------|----------|------|------|------------------|
| Mean Daily Flow | 2.09 | cfs | | | date and value |
| Max. Daily Flow | 49.38 | cfs | | | of first minimum |
| Min. Daily Flow | 0.07 | cfs | | | daily mean flow |
| 7-Day Low Flow | 0.07 | cfs | | | near the end of |
| Total Yield | 1513.73 | ac-ft | | | each water year. |
| Normalized Yield | 0.46 | ac-ft/ac | | | |
| | | | 1991 | 9/17 | 0.03 |
| | | | 1992 | 8/27 | 0.06 |
| | | | 1993 | 8/27 | 0.10 |
| | | | 1994 | 7/16 | 0.04 |
| | | | 1995 | 9/29 | 0.14 |
| | | | 2002 | 8/25 | 0.01 |
| | | | 2003 | 9/14 | 0.03 |
| | | | 2004 | 8/27 | 0.02 |
| | | | 2005 | 9/30 | 0.11 |
| | | | 2006 | 9/23 | 0.17 |
| | | | 2007 | 8/4 | 0.03 |
| | | | 2008 | 8/26 | 0.07 |

Table 9: Mean Daily Water Temperature (°C)

San Clemente Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|-----|-----|-----|------|------|------|------|------|------|------|
| 1 | 11.1 | 10.3 | 6.6 | 5.2 | 8.3 | 9.6 | 8.5 | 9.5 | 11.4 | 13.5 | 13.7 | 12.9 |
| 2 | 11.2 | 10.2 | 6.5 | 5.5 | 8.1 | 8.8 | 8.8 | 9.8 | 11.5 | 13.4 | 14.5 | 13.1 |
| 3 | 11.4 | 10.2 | 7.0 | 7.1 | 8.7 | 8.4 | 10.3 | 10.3 | 11.6 | 14.4 | 13.9 | 13.7 |
| 4 | 11.1 | 9.9 | 8.1 | 9.4 | 8.0 | 8.6 | 9.8 | 10.0 | 11.6 | 14.6 | 13.4 | 14.1 |
| 5 | 10.9 | 9.7 | 9.3 | 8.8 | 6.9 | 8.6 | 9.6 | 10.2 | 11.5 | 14.5 | 13.8 | 14.4 |
| 6 | 9.8 | 9.4 | 8.6 | 8.1 | 7.5 | 8.5 | 9.3 | 10.9 | 12.0 | 15.0 | 14.4 | 14.5 |
| 7 | 9.4 | 9.6 | 8.9 | 7.6 | 7.7 | 8.7 | 8.9 | 10.5 | 11.7 | 15.5 | 14.3 | 14.6 |
| 8 | 10.0 | 9.8 | 8.2 | 6.9 | 8.0 | 9.3 | 8.9 | 10.7 | 12.2 | 16.4 | 13.9 | 14.1 |
| 9 | 10.0 | 10.3 | 6.2 | 7.5 | 8.1 | 9.1 | 9.5 | 10.6 | 13.2 | 16.7 | 13.6 | 13.9 |
| 10 | 11.3 | 9.7 | 6.0 | 8.1 | 8.5 | 9.7 | 9.6 | 10.6 | 13.6 | 16.9 | 13.9 | 14.1 |
| 11 | 10.2 | 10.7 | 5.2 | 8.3 | 8.5 | 10.1 | 10.2 | 11.0 | 13.0 | 15.8 | 14.0 | 13.8 |
| 12 | 10.8 | 8.8 | 4.8 | 7.5 | 8.8 | 9.7 | 11.2 | 10.4 | 13.1 | 15.7 | 14.2 | 13.5 |
| 13 | 11.6 | 9.2 | 4.6 | 7.1 | 8.7 | 10.5 | 11.6 | 10.6 | 13.8 | 15.6 | 14.5 | 13.2 |
| 14 | 10.9 | 10.2 | 4.5 | 6.4 | 7.4 | 10.1 | 10.5 | 12.0 | 13.8 | 15.6 | 15.1 | 12.9 |
| 15 | 11.2 | 10.2 | 5.0 | 6.5 | 6.6 | 8.8 | 9.4 | 13.7 | 13.3 | 15.4 | 15.5 | 12.9 |
| 16 | 11.6 | 10.3 | 4.9 | 5.8 | 6.8 | 8.4 | 8.9 | 14.6 | 12.7 | 15.6 | 15.3 | 12.9 |
| 17 | 11.5 | 9.8 | 6.7 | 5.1 | 7.3 | 8.1 | 9.8 | 14.7 | 12.7 | 15.4 | 15.1 | 12.9 |
| 18 | 10.7 | 9.6 | 7.7 | 5.0 | 7.9 | 9.0 | 10.2 | 14.4 | 13.6 | 14.5 | 14.9 | 12.0 |
| 19 | 11.2 | 10.0 | 6.8 | 5.1 | 8.5 | 9.5 | 9.4 | 14.0 | 13.9 | 14.2 | 14.5 | 11.7 |
| 20 | 11.1 | 9.5 | 7.6 | 5.2 | 8.8 | 9.1 | 8.4 | 13.4 | 15.3 | 13.9 | 14.4 | 13.0 |
| 21 | 9.8 | 7.7 | 6.5 | 6.2 | 8.6 | 8.3 | 8.3 | 12.2 | 15.7 | 13.8 | 15.3 | 12.7 |
| 22 | 9.7 | 7.3 | 5.0 | 6.2 | 8.9 | 8.7 | 8.3 | 11.4 | 14.9 | 13.5 | 14.3 | 12.1 |
| 23 | 10.3 | 6.8 | 5.5 | 6.2 | 7.9 | 9.1 | 9.6 | 11.6 | 13.4 | 13.9 | 14.1 | 12.2 |
| 24 | 11.1 | 6.2 | 6.7 | 5.6 | 9.0 | 9.3 | 8.8 | 11.5 | 13.3 | 13.6 | 14.4 | 12.6 |
| 25 | 11.1 | 7.2 | 5.2 | 7.3 | 9.5 | 9.8 | 9.4 | 11.3 | 13.0 | 13.9 | 14.5 | 13.3 |
| 26 | 10.3 | 7.3 | 5.8 | 8.9 | 8.9 | 9.4 | 10.6 | 11.1 | 13.0 | 14.3 | 14.1 | 13.8 |
| 27 | 10.5 | 7.2 | 4.9 | 8.9 | 9.3 | 8.6 | 11.9 | 10.7 | 13.7 | 14.5 | 14.4 | 13.9 |
| 28 | 10.9 | 6.8 | 6.0 | 8.3 | 9.5 | 8.4 | 12.1 | 10.5 | 14.0 | 13.9 | 15.1 | 13.6 |
| 29 | 11.2 | 6.6 | 6.8 | 7.7 | 9.7 | 9.8 | 11.0 | 10.9 | 13.6 | 13.8 | 15.6 | 13.2 |
| 30 | 11.2 | 6.3 | 7.5 | 7.9 | | 8.4 | 10.0 | 11.7 | 13.3 | 13.7 | 15.6 | 13.1 |
| 31 | 10.3 | | 5.6 | 8.2 | | 8.0 | | 11.5 | | 14.0 | 14.1 | |
| Mean Day | 10.8 | 8.9 | 6.4 | 7.0 | 8.3 | 9.0 | 9.8 | 11.5 | 13.1 | 14.7 | 14.5 | 13.3 |
| Max Day | 11.6 | 10.7 | 9.3 | 9.4 | 9.7 | 10.5 | 12.1 | 14.7 | 15.7 | 16.9 | 15.6 | 14.6 |
| Min Day | 9.4 | 6.2 | 4.5 | 5.0 | 6.6 | 8.0 | 8.3 | 9.5 | 11.4 | 13.4 | 13.4 | 11.7 |

Table 10: Maximum Daily Water Temperature (°C)

San Clemente Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 12.1 | 11.0 | 7.1 | 6.1 | 8.81 | 10.2 | 9.6 | 10.9 | 12.8 | 14.4 | 15.4 | 14.2 |
| 2 | 12.3 | 11.0 | 7.6 | 6.4 | 8.81 | 9.6 | 9.7 | 11.1 | 12.7 | 15.0 | 16.3 | 14.4 |
| 3 | 12.2 | 11.0 | 7.5 | 7.9 | 9.03 | 9.9 | 11.1 | 11.5 | 12.9 | 16.0 | 15.6 | 15.0 |
| 4 | 11.5 | 10.8 | 9.4 | 11.0 | 8.32 | 10.1 | 10.6 | 10.8 | 12.5 | 15.8 | 15.1 | 15.3 |
| 5 | 11.1 | 10.3 | 9.5 | 9.6 | 8 | 10.0 | 10.2 | 11.6 | 13.0 | 15.9 | 15.4 | 15.5 |
| 6 | 10.6 | 10.0 | 9.4 | 8.5 | 8.82 | 9.9 | 10.0 | 12.2 | 13.2 | 16.5 | 16.1 | 15.6 |
| 7 | 10.6 | 10.3 | 9.3 | 8.0 | 9.02 | 10.1 | 9.7 | 11.1 | 13.2 | 17.0 | 15.8 | 15.7 |
| 8 | 11.2 | 10.3 | 8.6 | 7.9 | 9.16 | 10.4 | 9.2 | 12.0 | 13.9 | 17.8 | 15.5 | 15.0 |
| 9 | 11.2 | 10.7 | 7.0 | 7.9 | 9.56 | 10.4 | 10.0 | 11.7 | 14.8 | 18.0 | 15.2 | 14.7 |
| 10 | 11.8 | 10.7 | 6.4 | 8.9 | 9.73 | 11.0 | 10.7 | 12.2 | 15.1 | 18.5 | 15.5 | 14.8 |
| 11 | 11.0 | 11.0 | 5.7 | 8.9 | 9.74 | 11.1 | 11.5 | 12.2 | 14.5 | 16.5 | 15.8 | 14.8 |
| 12 | 11.6 | 9.6 | 5.3 | 8.1 | 9.94 | 10.5 | 12.5 | 11.6 | 14.6 | 16.6 | 15.9 | 14.4 |
| 13 | 12.1 | 10.4 | 5.1 | 7.7 | 9.33 | 11.2 | 12.8 | 12.3 | 15.2 | 16.8 | 16.2 | 14.0 |
| 14 | 11.7 | 10.9 | 5.2 | 7.4 | 8.21 | 10.6 | 11.7 | 13.6 | 15.1 | 16.5 | 16.7 | 13.8 |
| 15 | 11.7 | 10.9 | 5.6 | 7.1 | 7.59 | 9.5 | 9.9 | 15.2 | 14.8 | 16.6 | 16.8 | 13.8 |
| 16 | 11.9 | 10.8 | 5.8 | 6.4 | 8.08 | 9.2 | 10.3 | 16.0 | 14.3 | 16.9 | 16.8 | 13.7 |
| 17 | 11.9 | 10.4 | 7.2 | 5.8 | 8.23 | 9.3 | 11.3 | 16.0 | 14.4 | 17.1 | 16.4 | 13.5 |
| 18 | 11.4 | 10.3 | 8.2 | 5.8 | 8.64 | 10.3 | 11.2 | 15.8 | 15.2 | 16.2 | 16.3 | 12.8 |
| 19 | 12.0 | 10.5 | 7.7 | 5.9 | 9.1 | 10.3 | 10.2 | 15.4 | 15.6 | 15.6 | 15.9 | 12.7 |
| 20 | 11.9 | 10.4 | 7.8 | 6.1 | 9.08 | 10.0 | 9.0 | 14.7 | 16.9 | 15.3 | 15.8 | 13.6 |
| 21 | 10.5 | 8.5 | 7.5 | 6.4 | 9.29 | 9.6 | 9.2 | 13.2 | 16.9 | 15.2 | 16.6 | 13.4 |
| 22 | 10.7 | 8.1 | 5.5 | 6.5 | 9.15 | 10.0 | 9.5 | 12.2 | 16.7 | 15.0 | 15.6 | 13.0 |
| 23 | 11.4 | 7.5 | 6.5 | 6.5 | 8.65 | 10.3 | 10.3 | 12.7 | 15.0 | 15.7 | 15.3 | 13.2 |
| 24 | 11.9 | 7.3 | 7.4 | 6.3 | 9.56 | 10.5 | 10.1 | 12.0 | 14.8 | 15.2 | 15.6 | 13.5 |
| 25 | 11.6 | 8.0 | 6.1 | 8.6 | 10.23 | 10.8 | 10.9 | 11.7 | 14.2 | 15.5 | 15.8 | 14.2 |
| 26 | 10.9 | 8.0 | 6.1 | 9.4 | 10.52 | 10.0 | 12.2 | 12.1 | 14.2 | 16.2 | 15.3 | 14.6 |
| 27 | 11.2 | 7.7 | 5.6 | 9.3 | 10.9 | 9.2 | 13.3 | 11.7 | 15.0 | 16.1 | 15.7 | 14.7 |
| 28 | 11.7 | 7.4 | 6.6 | 8.8 | 10.82 | 9.9 | 13.1 | 11.6 | 15.1 | 15.5 | 16.3 | 14.3 |
| 29 | 11.6 | 7.3 | 7.5 | 8.5 | 11.08 | 10.2 | 11.9 | 12.1 | 14.6 | 15.6 | 16.7 | 13.8 |
| 30 | 11.6 | 6.7 | 7.8 | 8.3 | | 8.7 | 10.8 | 12.8 | 14.3 | 15.5 | 16.4 | 14.0 |
| 31 | 11.1 | | 6.5 | 9.0 | | 9.0 | | 12.1 | | 15.6 | 15.0 | |
| Mean Day | 11.47 | 9.59 | 7.05 | 7.71 | 9.22 | 10.05 | 10.75 | 12.64 | 14.52 | 16.13 | 15.89 | 14.19 |
| Max Day | 12.25 | 11.03 | 9.54 | 11.01 | 11.08 | 11.15 | 13.27 | 16.01 | 16.93 | 18.47 | 16.79 | 15.66 |
| Min Day | 10.49 | 6.70 | 5.14 | 5.76 | 7.59 | 8.73 | 8.97 | 10.77 | 12.54 | 14.43 | 15.01 | 12.68 |

Table 11: Minimum Daily Water Temperature (°C)

San Clemente Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 10.2 | 9.5 | 6.1 | 4.4 | 7.9 | 9.0 | 7.4 | 7.8 | 10.5 | 12.6 | 12.0 | 11.5 |
| 2 | 10.1 | 9.4 | 5.6 | 4.5 | 7.5 | 7.9 | 8.1 | 8.4 | 10.4 | 11.7 | 13.1 | 11.6 |
| 3 | 10.5 | 9.4 | 6.4 | 6.3 | 8.2 | 6.9 | 9.7 | 9.1 | 9.9 | 13.0 | 12.5 | 12.3 |
| 4 | 10.5 | 9.0 | 6.9 | 7.9 | 7.1 | 7.2 | 8.8 | 9.1 | 10.9 | 13.4 | 11.7 | 12.8 |
| 5 | 10.5 | 8.9 | 8.8 | 8.1 | 6.0 | 7.3 | 9.2 | 8.8 | 10.0 | 13.0 | 12.4 | 13.2 |
| 6 | 8.8 | 8.6 | 7.9 | 7.6 | 6.5 | 7.1 | 8.6 | 9.5 | 11.3 | 13.5 | 13.4 | 13.3 |
| 7 | 8.2 | 9.0 | 8.6 | 6.8 | 6.5 | 7.2 | 8.1 | 10.2 | 10.0 | 14.0 | 13.2 | 13.6 |
| 8 | 8.9 | 9.2 | 7.1 | 6.1 | 6.9 | 8.1 | 8.6 | 9.5 | 10.3 | 15.1 | 13.0 | 13.1 |
| 9 | 8.9 | 9.9 | 5.7 | 7.0 | 6.8 | 7.7 | 9.0 | 9.5 | 11.3 | 15.4 | 12.2 | 13.3 |
| 10 | 10.6 | 8.6 | 5.5 | 7.5 | 7.3 | 8.4 | 8.2 | 8.9 | 12.2 | 15.6 | 12.5 | 13.7 |
| 11 | 9.2 | 9.7 | 4.6 | 7.8 | 7.3 | 8.9 | 8.6 | 10.0 | 11.3 | 14.9 | 12.5 | 12.8 |
| 12 | 9.9 | 7.9 | 4.2 | 6.8 | 7.6 | 8.7 | 9.6 | 9.3 | 11.2 | 14.8 | 12.9 | 12.5 |
| 13 | 11.1 | 8.2 | 4.0 | 6.5 | 8.0 | 10.0 | 10.1 | 8.6 | 12.2 | 14.5 | 13.0 | 12.4 |
| 14 | 10.0 | 9.5 | 3.9 | 5.4 | 6.7 | 9.5 | 9.8 | 10.1 | 12.5 | 14.8 | 14.0 | 11.9 |
| 15 | 10.4 | 9.5 | 4.6 | 5.8 | 5.5 | 8.4 | 8.7 | 12.1 | 11.6 | 14.6 | 14.4 | 11.9 |
| 16 | 11.0 | 9.8 | 4.1 | 5.1 | 5.5 | 7.6 | 7.2 | 13.1 | 10.9 | 14.5 | 14.4 | 12.0 |
| 17 | 11.0 | 9.1 | 5.9 | 4.4 | 6.1 | 6.7 | 8.1 | 13.1 | 10.6 | 14.2 | 14.1 | 12.3 |
| 18 | 9.7 | 8.8 | 7.2 | 4.3 | 7.1 | 7.6 | 9.0 | 12.8 | 11.8 | 12.9 | 14.1 | 11.0 |
| 19 | 10.4 | 9.4 | 6.1 | 4.3 | 8.1 | 8.5 | 8.7 | 12.2 | 11.9 | 12.8 | 13.5 | 10.4 |
| 20 | 10.3 | 8.5 | 7.1 | 4.4 | 8.5 | 8.2 | 7.7 | 12.3 | 13.5 | 13.1 | 13.0 | 12.6 |
| 21 | 8.9 | 6.7 | 5.5 | 5.9 | 7.9 | 6.9 | 7.3 | 11.5 | 14.6 | 12.9 | 14.5 | 12.1 |
| 22 | 8.7 | 6.5 | 4.4 | 6.0 | 8.6 | 7.2 | 7.0 | 10.8 | 13.6 | 11.7 | 13.1 | 10.9 |
| 23 | 9.3 | 6.0 | 4.7 | 5.7 | 7.2 | 7.7 | 9.1 | 10.5 | 11.8 | 12.4 | 13.0 | 11.1 |
| 24 | 10.2 | 5.1 | 6.1 | 5.0 | 8.4 | 7.8 | 7.2 | 10.9 | 11.6 | 12.0 | 13.0 | 11.5 |
| 25 | 10.4 | 6.4 | 4.7 | 5.7 | 8.9 | 8.7 | 7.8 | 10.8 | 12.3 | 12.1 | 13.3 | 12.5 |
| 26 | 9.7 | 6.5 | 5.5 | 8.3 | 7.4 | 8.5 | 9.0 | 9.7 | 11.8 | 12.6 | 12.9 | 13.0 |
| 27 | 10.0 | 6.5 | 4.3 | 8.6 | 7.8 | 7.7 | 10.4 | 9.7 | 12.4 | 13.4 | 13.1 | 13.2 |
| 28 | 10.1 | 6.0 | 5.3 | 7.5 | 8.1 | 6.9 | 10.9 | 9.0 | 13.0 | 12.6 | 13.9 | 12.9 |
| 29 | 10.7 | 5.8 | 6.2 | 6.8 | 8.4 | 8.7 | 10.2 | 9.5 | 12.6 | 12.5 | 14.5 | 12.5 |
| 30 | 10.6 | 5.8 | 6.6 | 7.5 | | 7.8 | 9.3 | 10.7 | 12.2 | 12.0 | 14.9 | 12.2 |
| 31 | 9.5 | | 5.0 | 7.5 | | 6.8 | | 11.0 | | 12.7 | 13.0 | |
| Mean Day | 9.94 | 8.11 | 5.75 | 6.30 | 7.37 | 7.92 | 8.70 | 10.27 | 11.67 | 13.39 | 13.25 | 12.34 |
| Max Day | 11.14 | 9.94 | 8.75 | 8.57 | 8.86 | 9.97 | 10.85 | 13.14 | 14.58 | 15.57 | 14.85 | 13.67 |
| Min Day | 8.16 | 5.15 | 3.89 | 4.30 | 5.51 | 6.67 | 6.96 | 7.81 | 9.92 | 11.66 | 11.73 | 10.43 |

Table 12: Mean Daily Specific Conductance (umhos/cm @ 25 C)

San Clemente Creek, Water Year 2008

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 342 | 344 | 344 | 351 | 189 | 216 | 208 | 283 | 310 | 357 | 389 | 412 |
| 2 | 341 | 345 | 344 | 350 | 202 | 227 | 208 | 279 | 308 | 355 | 391 | 412 |
| 3 | 342 | 344 | 344 | 348 | 181 | 236 | 211 | 280 | 308 | 339 | 393 | 411 |
| 4 | 343 | 343 | 344 | 259 | 169 | 243 | 209 | 283 | 310 | 322 | 395 | 411 |
| 5 | 343 | 342 | 343 | 176 | 182 | 239 | 211 | 286 | 309 | 313 | 396 | 411 |
| 6 | 343 | 342 | 344 | 185 | 186 | 233 | 211 | 290 | 310 | 310 | 398 | 411 |
| 7 | 342 | 342 | 346 | 215 | 191 | 235 | 211 | 294 | 315 | 309 | 399 | 411 |
| 8 | 340 | 342 | 349 | 243 | 201 | 238 | 214 | 297 | 322 | 309 | 401 | 410 |
| 9 | 339 | 343 | 352 | 265 | 214 | 246 | 213 | 299 | 329 | 309 | 402 | 410 |
| 10 | 340 | 344 | 354 | 275 | 228 | 241 | 219 | 300 | 335 | 310 | 403 | 410 |
| 11 | 343 | 343 | 356 | 287 | 236 | 226 | 233 | 296 | 339 | 310 | 403 | 410 |
| 12 | 344 | 344 | 357 | 293 | 241 | 221 | 246 | 291 | 343 | 310 | 404 | 409 |
| 13 | 345 | 344 | 357 | 298 | 240 | 219 | 253 | 287 | 346 | 314 | 404 | 409 |
| 14 | 346 | 342 | 355 | 302 | 238 | 220 | 258 | 288 | 343 | 320 | 406 | 408 |
| 15 | 345 | 342 | 352 | 303 | 243 | 225 | 261 | 294 | 336 | 319 | 407 | 407 |
| 16 | 345 | 343 | 351 | 304 | 235 | 221 | 265 | 306 | 324 | 319 | 408 | 406 |
| 17 | 345 | 344 | 349 | 307 | 225 | 223 | 267 | 316 | 323 | 322 | 409 | 405 |
| 18 | 345 | 344 | 347 | 313 | 223 | 232 | 272 | 329 | 325 | 329 | 409 | 404 |
| 19 | 344 | 344 | 345 | 314 | 224 | 241 | 281 | 339 | 329 | 336 | 410 | 403 |
| 20 | 344 | 344 | 342 | 317 | 225 | 246 | 283 | 346 | 335 | 343 | 410 | 402 |
| 21 | 346 | 345 | 343 | 329 | 227 | 249 | 278 | 351 | 341 | 349 | 411 | 401 |
| 22 | 347 | 346 | 345 | 331 | 234 | 251 | 283 | 352 | 346 | 354 | 412 | 401 |
| 23 | 345 | 346 | 345 | 258 | 240 | 252 | 288 | 340 | 349 | 359 | 412 | 400 |
| 24 | 344 | 345 | 345 | 247 | 173 | 252 | 292 | 325 | 349 | 364 | 412 | 399 |
| 25 | 343 | 343 | 347 | 180 | 158 | 251 | 288 | 313 | 350 | 368 | 413 | 399 |
| 26 | 343 | 343 | 347 | 146 | 178 | 236 | 281 | 302 | 351 | 372 | 413 | 399 |
| 27 | 343 | 343 | 349 | 131 | 185 | 223 | 278 | 298 | 351 | 376 | 413 | 398 |
| 28 | 342 | 343 | 349 | 145 | 191 | 218 | 284 | 299 | 352 | 379 | 412 | 398 |
| 29 | 342 | 344 | 348 | 165 | 204 | 219 | 289 | 303 | 354 | 382 | 412 | 398 |
| 30 | 342 | 344 | 348 | 175 | | 216 | 289 | 305 | 355 | 385 | 413 | 398 |
| 31 | 344 | | 350 | 187 | | 212 | | 307 | | 387 | 413 | |
| Mean Day | 343 | 344 | 348 | 258 | 209 | 233 | 253 | 306 | 333 | 340 | 406 | 405 |
| Max Day | 347 | 346 | 357 | 351 | 243 | 252 | 292 | 352 | 355 | 387 | 413 | 412 |
| Min Day | 339 | 342 | 342 | 131 | 158 | 212 | 208 | 279 | 308 | 309 | 389 | 398 |

7 Figures

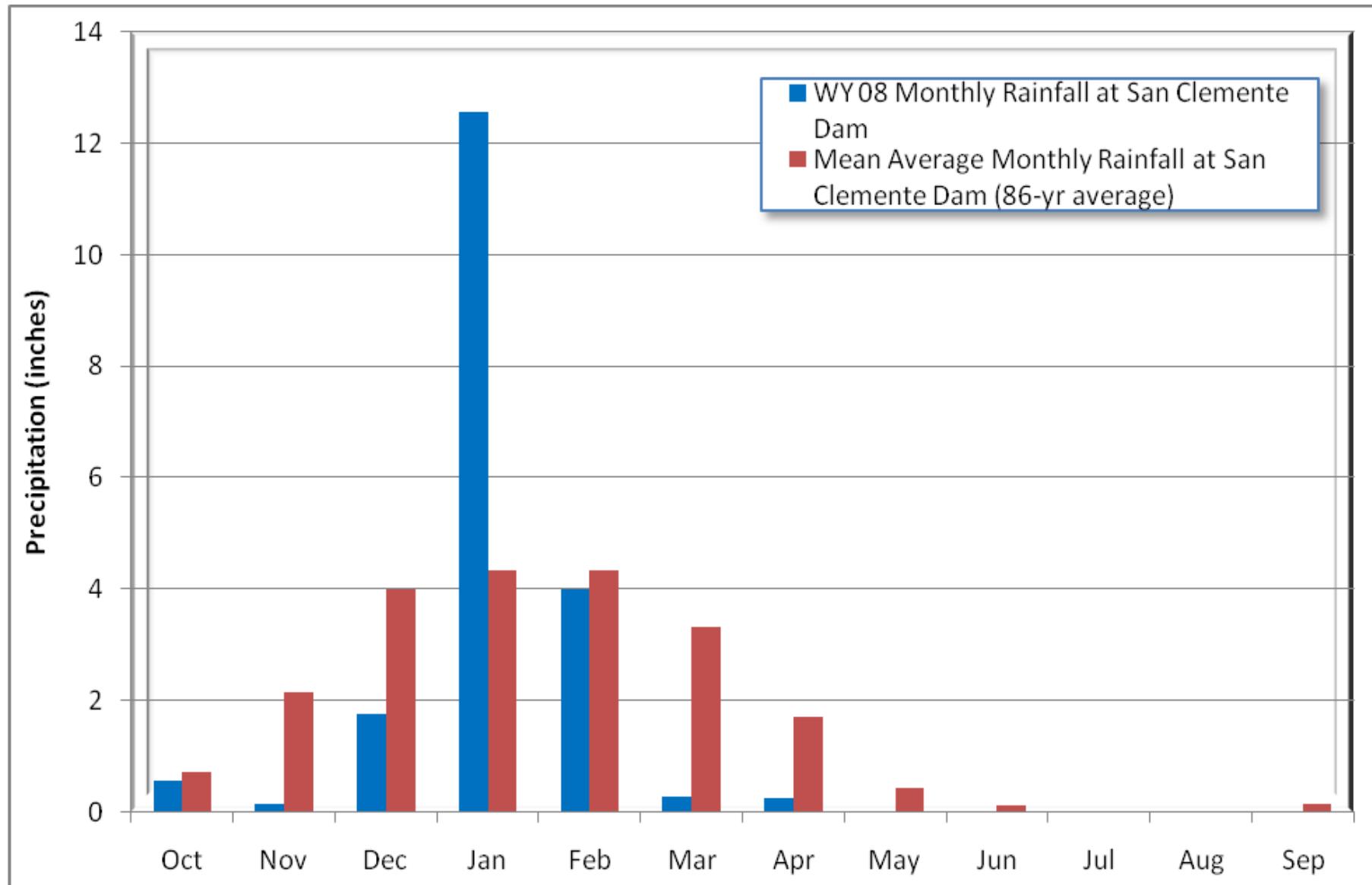


Figure 1. Monthly precipitation at San Clemente Dam for Water Year 2008. WY 2008 precipitation was well below average for all months except January which was particularly wet. Mean monthly data is based on Water Years 1922 – 2007.

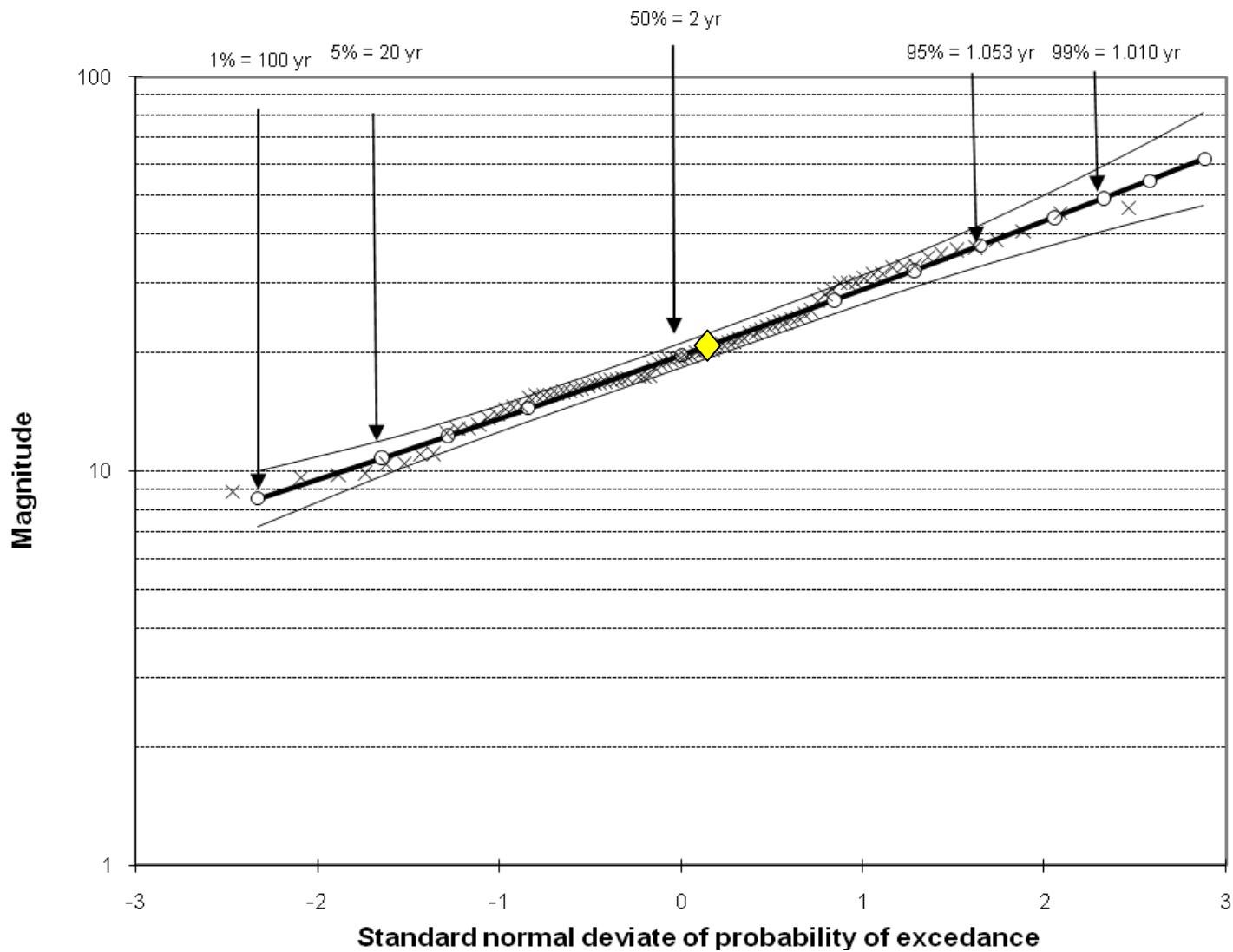


Figure 2. Log-Pearson Type-III statistical analysis of historic precipitation data from San Clemente Dam. Thin curved lines represent upper and lower 95% confidence bounds for precipitation and non-exceedance probability. Diamond symbol is the 2008 water year 19.61 inches.

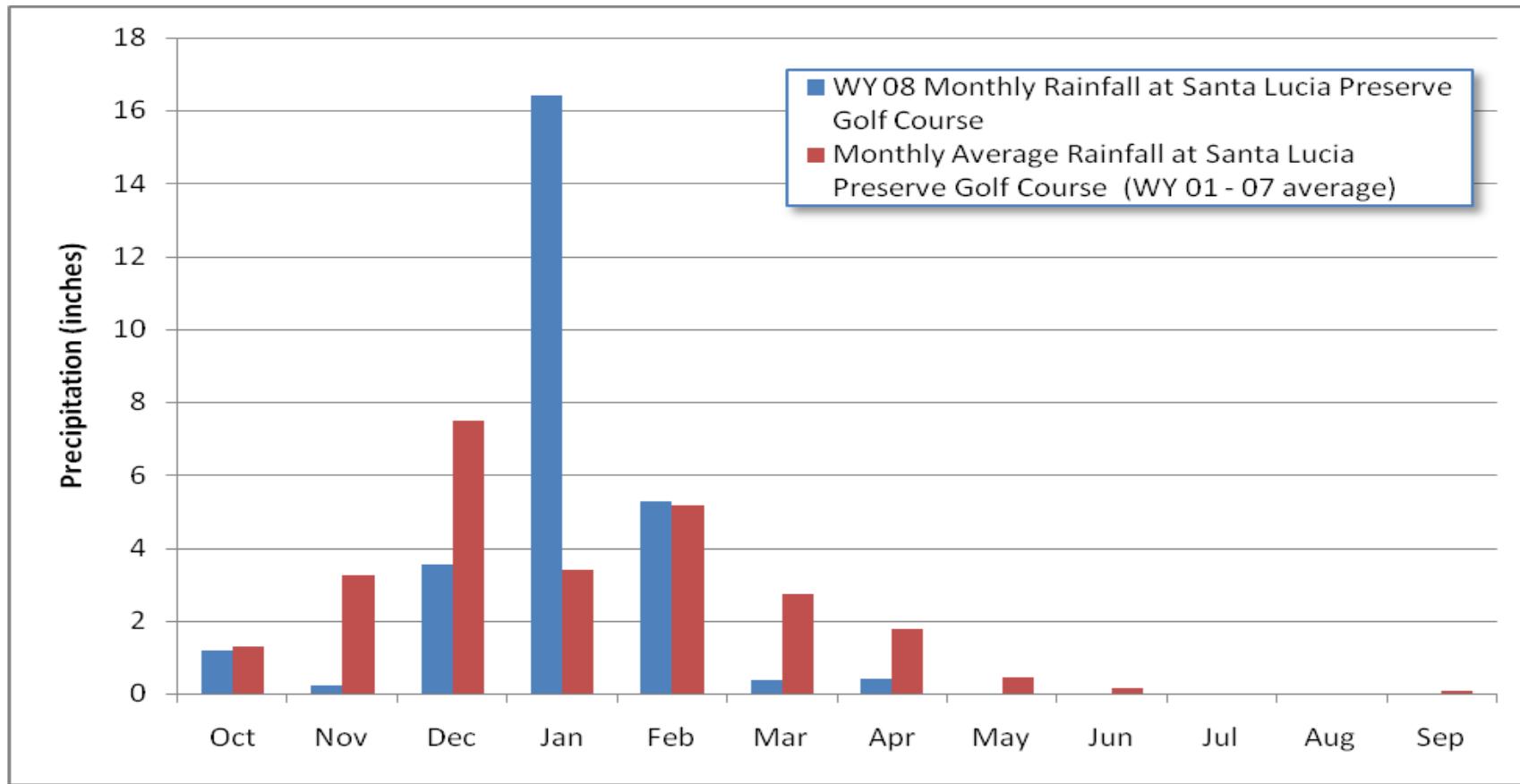


Figure 3. Monthly Precipitation at Santa Lucia Preserve Golf course for Water Year 2008. WY 2008 precipitation was below average except January which was particularly wet. Mean monthly average is based only on Water Years 2001 – 2007 and is probably not an accurate characterization of actual long-term patterns (mean monthly data from Balance Hydrologics 2008).

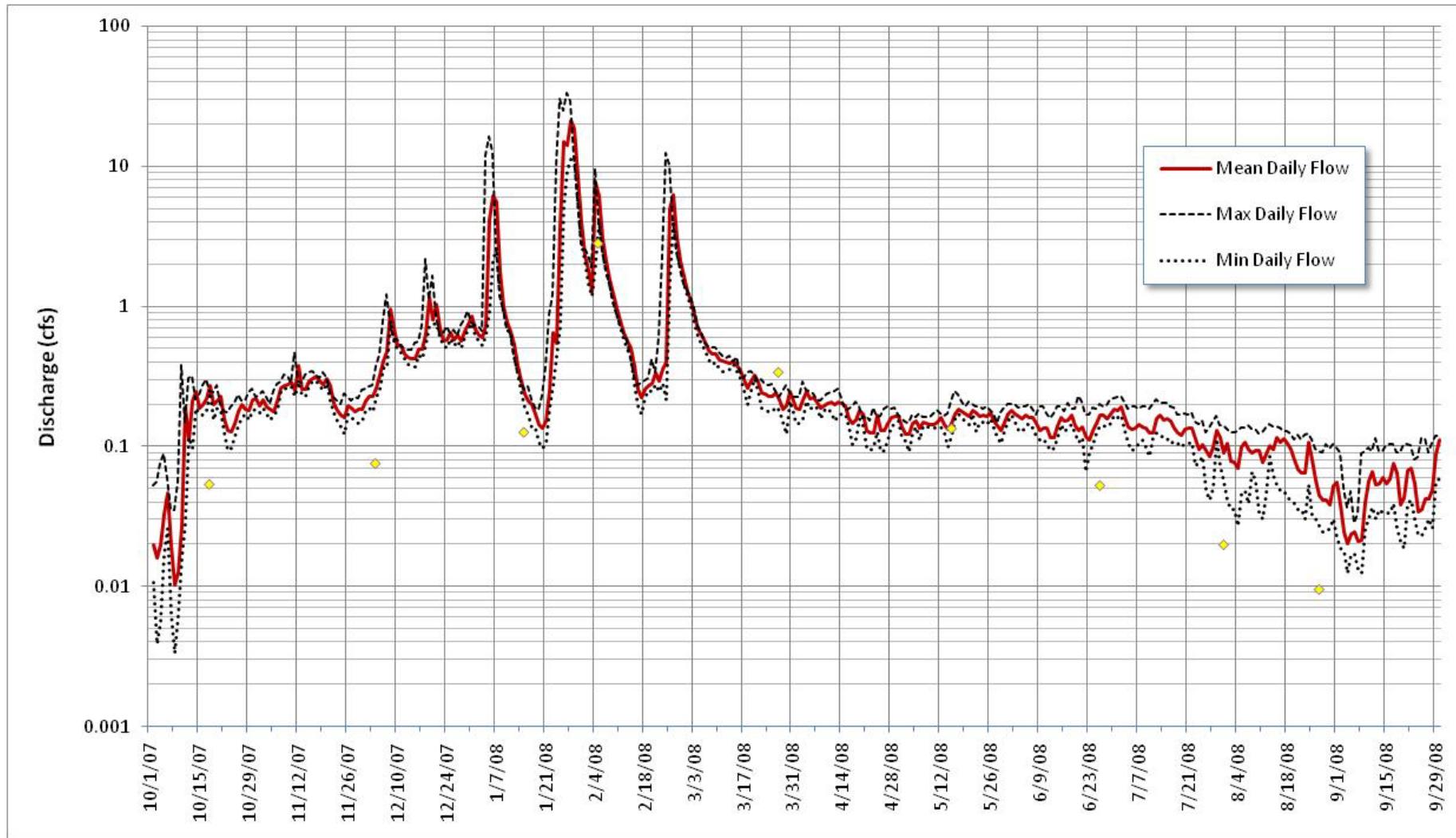


Figure 4. Mean Daily Streamflow at Potrero Creek gage for Water Year 2008. Red line is mean daily streamflow after gage station; minimum and maximum daily flows are also given for this period. Yellow markers represent manual discharge measurements taken by CSUMB.

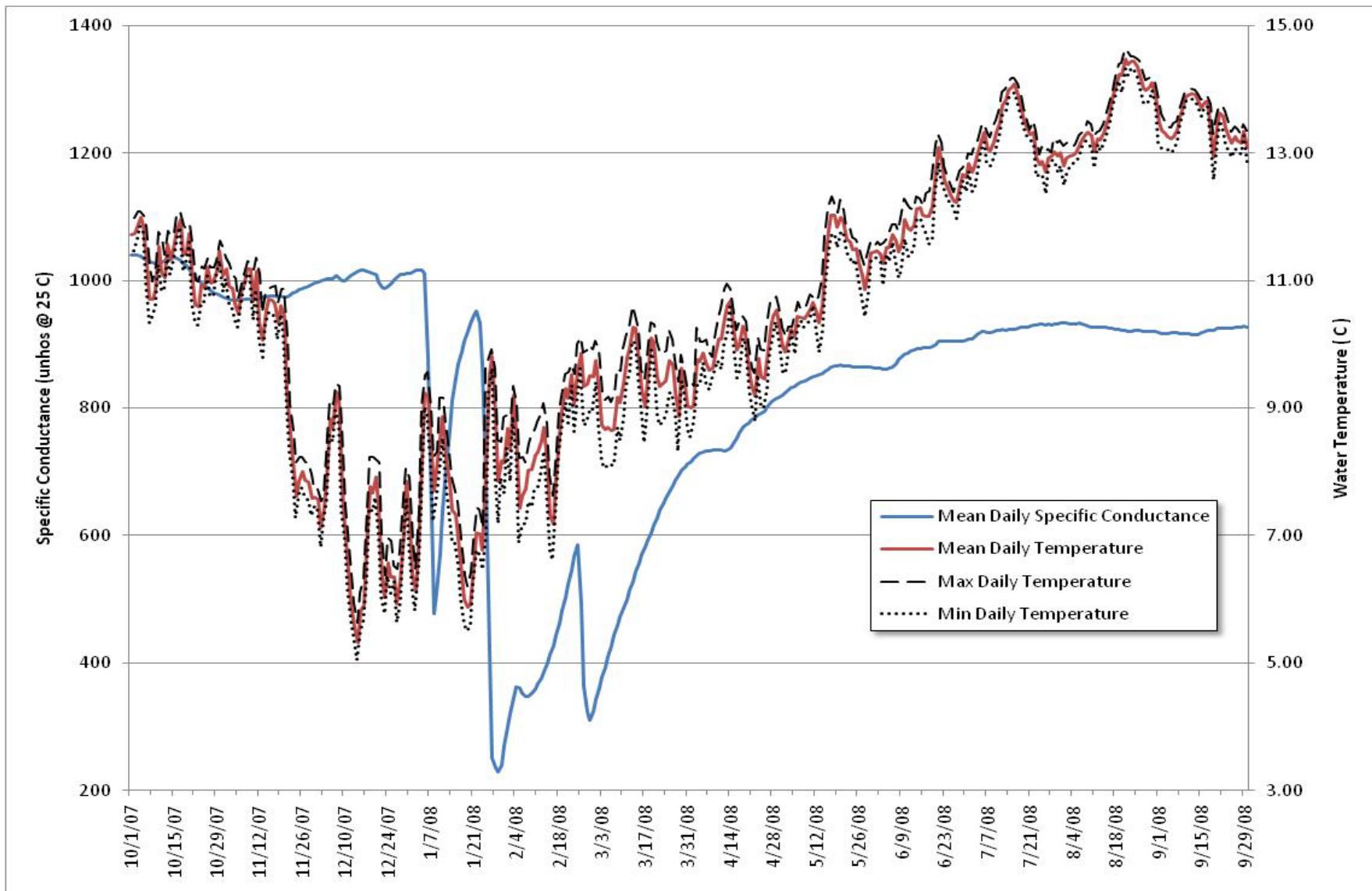


Figure 5. Daily Specific Conductance Water Temperature data at Potrero Creek gage for Water Year 2008.

Blue line is mean daily specific conductance; red line is mean daily water temperature; dotted lines represent minimum and maximum daily water temperature values.

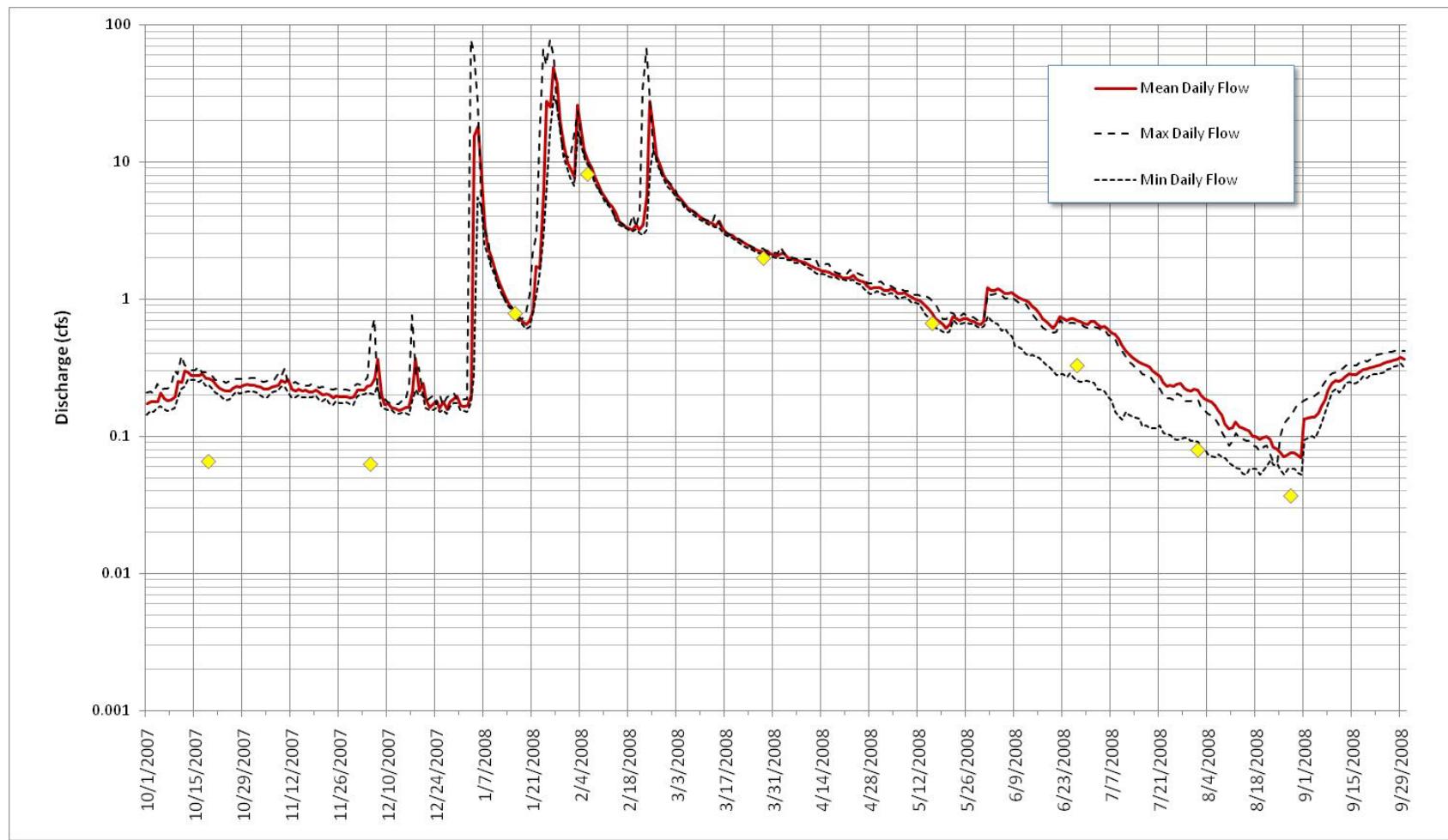


Figure 6. Mean Daily Streamflow at San Clemente Creek gage for Water Year 2008. Red line is mean daily streamflow; minimum and maximum daily flows are also given for this period. Yellow markers represent manual discharge measurements taken.

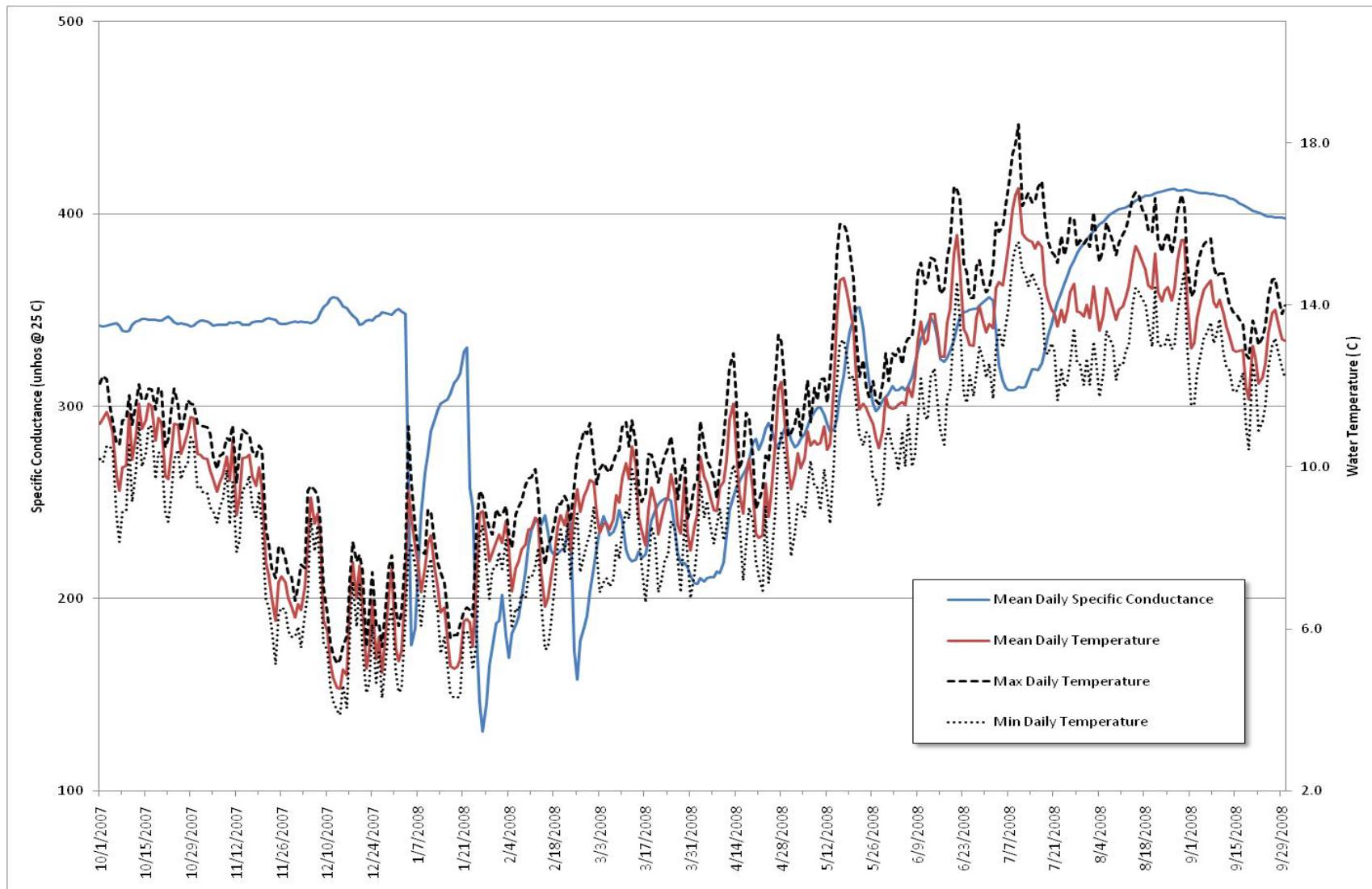


Figure 7. Daily Specific Conductance and Water Temperature data at San Clemente Creek gage for Water Year 2008. Blue line is mean daily specific conductance; red line is mean daily water temperature; dotted lines represent minimum and maximum daily water temperature values.