

Planned & Actual Water Production By Source (Acre-Feet)
Water Year: 2017

Report Month:

February

| | Cachuma Project | | | Gibraltar Reservoir | | Devil's Canyon | Mission Tunnel | | Groundwater Production | | | | Desalination | | State Water | | Net Overlap Water | Groundwater Recharge | | Blend Water | | Potable System Total | | Recycled System | | El Estero Process Usage | | Water System Total | | |
|--------------|-----------------|-------|---------|---------------------|------|----------------|----------------|------|------------------------|-------|-----------------|--------------|--------------|-------|-------------|------|-------------------|----------------------|--------|--------------|------|----------------------|-------|-----------------|------|-------------------------|------|--------------------|-------|-------|
| | Plan | Act. | Balance | Plan | Act. | Actual | Plan | Act. | Plan | SU #1 | Foot-Hill Basin | Total Actual | SU#3 Actual | Plan | Act. | Plan | Act. | Act. | Injec. | Total Actual | Plan | Act. | Plan | Act. | Plan | Act. | Plan | Act. | Plan | Act. |
| 2016 Oct | 446 | 460 | 684 | 0 | 0 | 0 | 40 | 40 | 338 | 231 | 79 | 310 | 7 | 0 | 0 | 0 | 0 | -13 | 0 | 0 | 0 | 0 | 824 | 797 | 84 | 73 | 15 | 17 | 923 | 886 |
| Nov | 380 | 400 | 253 | 0 | 0 | 0 | 44 | 26 | 268 | 207 | 75 | 282 | 5 | 0 | 0 | 0 | 0 | -15 | 0 | 0 | 25 | 32 | 668 | 662 | 54 | 34 | 15 | 14 | 737 | 710 |
| Dec | 145 | 251 | 0 | 0 | 0 | 0 | 44 | 23 | 228 | 181 | 77 | 259 | 0 | 0 | 0 | 234 | 84 | -10 | 0 | 0 | 25 | 4 | 627 | 602 | 37 | 29 | 15 | 13 | 680 | 644 |
| 2017 Jan | 0 | 0 | 0 | 0 | 0 | 10 | 44 | 47 | 228 | 176 | 82 | 258 | 0 | 0 | 0 | 292 | 273 | -10 | 0 | 0 | 25 | 0 | 540 | 578 | 19 | 12 | 15 | 16 | 573 | 606 |
| Feb | 0 | 0 | 0 | 0 | 0 | 69 | 44 | 83 | 228 | 121 | 66 | 187 | 0 | 0 | 0 | 267 | 272 | -18 | 0 | 0 | 25 | 0 | 514 | 594 | 20 | 4 | 15 | 13 | 549 | 611 |
| Mar | 0 | | | 0 | | | 44 | | 228 | | | | | 0 | 384 | | | | 0 | 0 | 25 | | 632 | | 19 | | 15 | | 666 | |
| Apr | 0 | | | 0 | | | 44 | | 186 | | | | | 260 | 221 | | | | 0 | 0 | 25 | | 687 | | 48 | | 15 | | 750 | |
| May | 0 | | | 0 | | | 44 | | 186 | | | | | 260 | 309 | | | | 0 | 0 | 25 | | 775 | | 76 | | 15 | | 866 | |
| Jun | 0 | | | 0 | | | 44 | | 186 | | | | | 260 | 300 | | | | 0 | 0 | 25 | | 766 | | 98 | | 15 | | 879 | |
| Jul | 0 | | | 0 | | | 44 | | 186 | | | | | 260 | 343 | | | | 0 | 0 | 25 | | 809 | | 119 | | 15 | | 943 | |
| Aug | 0 | | | 0 | | | 44 | | 186 | | | | | 260 | 385 | | | | 0 | 0 | 25 | | 851 | | 113 | | 15 | | 979 | |
| Sep | 0 | | | 0 | | | 44 | | 186 | | | | | 260 | 327 | | | | 0 | 0 | 25 | | 793 | | 114 | | 15 | | 922 | |
| Year to Date | 972 | 1,111 | | 0 | 0 | 78 | 218 | 219 | 1,290 | 917 | 380 | 1,297 | 12 | 0 | 0 | 794 | 629 | -66 | 0 | 0 | 100 | 35 | 3,173 | 3,232 | 215 | 152 | 75 | 73 | 3,463 | 3,457 |
| Annual Total | 972 | | | 0 | | | 529 | | 2,634 | | | | | 1,563 | 3,063 | | | | | | 275 | | 8,486 | | 800 | | 180 | | 9,466 | |
| Notes | | | *4 | | | | | | | | | | *7 | | | | | | | *2 | *6 | *2 | *3 | | | *5 | | | | |

A B C D E F G H I J K L M N O P Q R S T -U V -W X Y Z AA AB AC AD AE

*1 Included in Gibraltar measurement

*2 Groundwater recharge & Blend Water not part of potable system use.

| | | | | |
|------------------------|---------|----------|--|--------|
| YTD Percent of Target: | 101.9% | 70.9% | | 99.8% |
| | Potable | Recycled | | System |

*3 Based on 2013 total system production of 14,765 AF with 35% conservation through January and 40% through the remainder of the year.

*4 Cachuma Balance: Net of entitlement, carryover, spills, & transfers, per COMB

705

*5 Effective 2011 WY, Net Production to Distribution System (Meter Distr. Flow - EEWTP process water).

*6 Planned blend water based on expected filter production

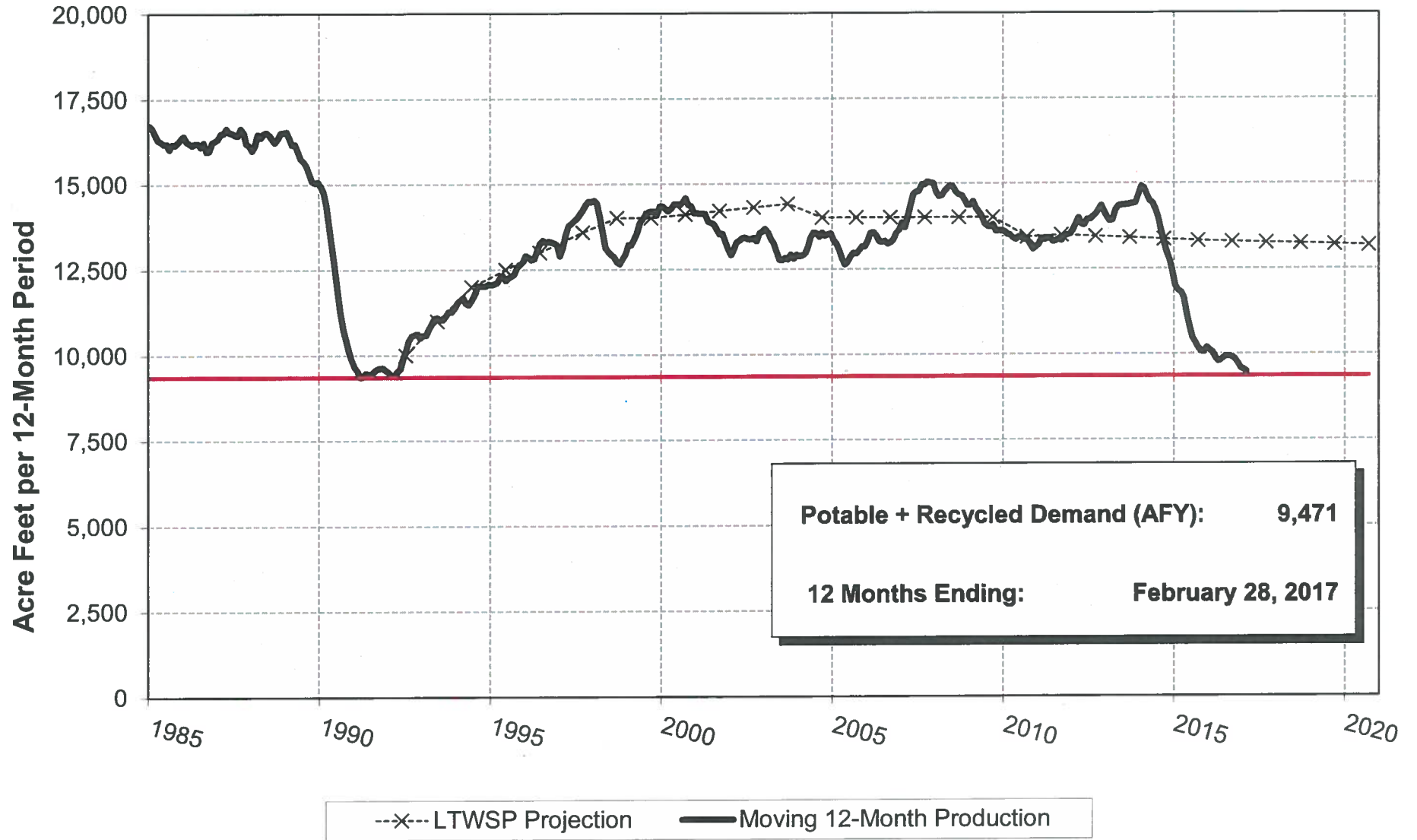
*7 Groundwater from Storage Unit #3 is non-potable water serving recycled water demands.

Potable System V = C+F+G+I+M+P+R+S-U-W

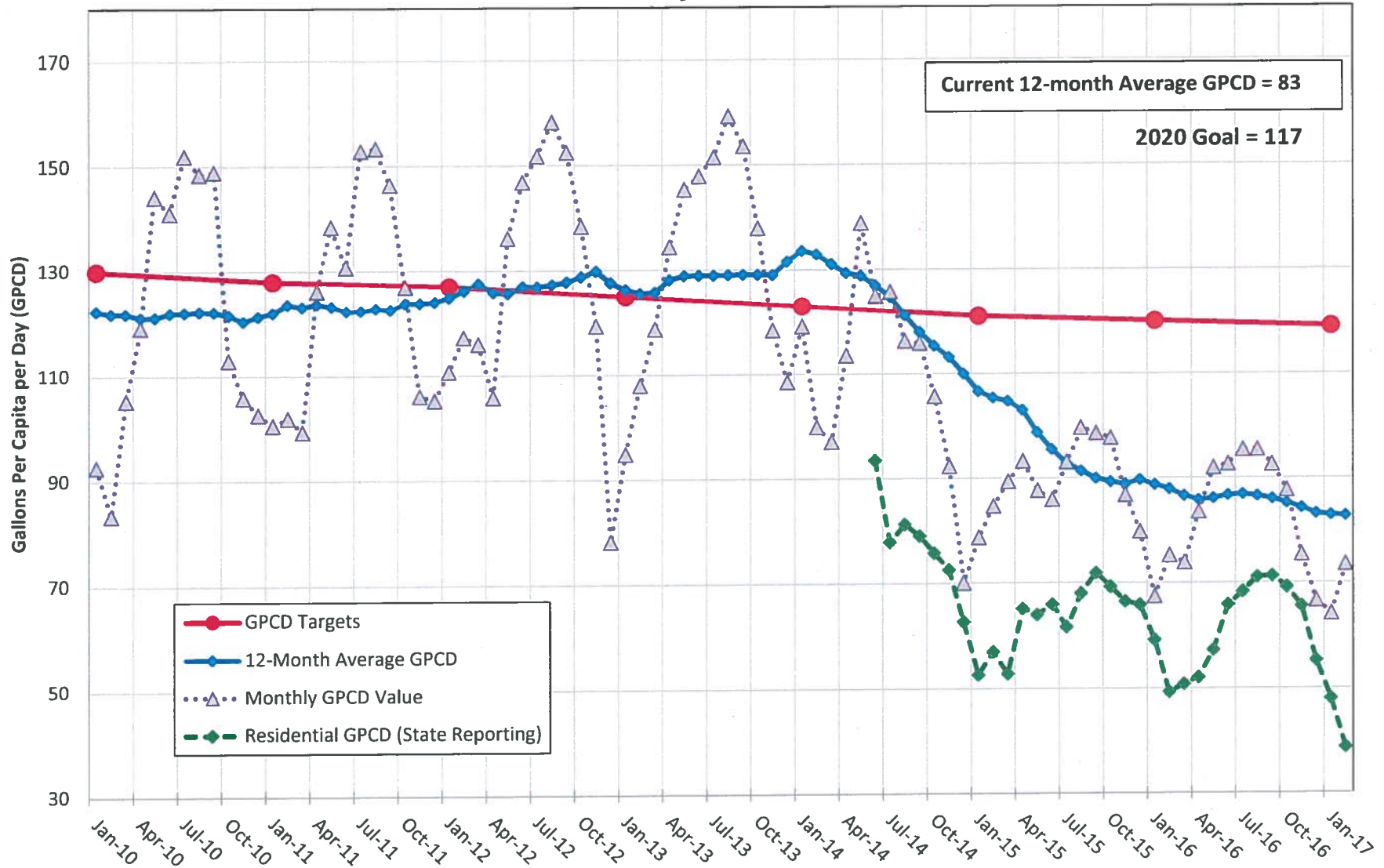
 = Preliminary Data or Not Yet Available

City of Santa Barbara Water Demand

Moving 12-Month Production to Serve Potable + Recycled Systems



City of Santa Barbara Water Use in Gallons Per Capita per Day (GPCD) February 28, 2017

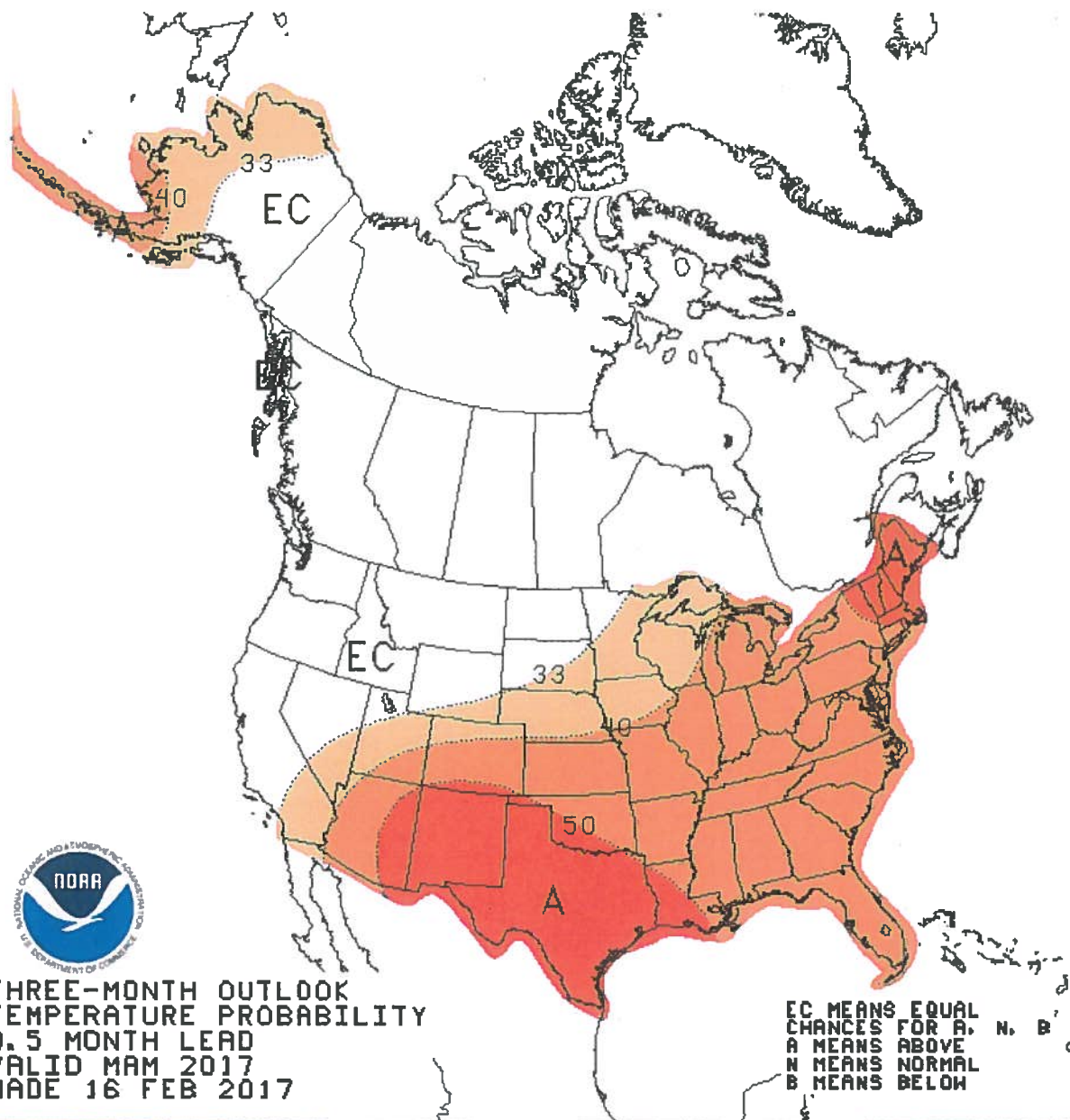


NOTE: The GPCD values above exclude blend water for recycled water production.

GIBRALTAR RAINFALL DATA

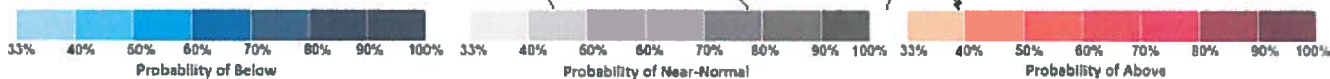
Gauge Location: Gibraltar Dam

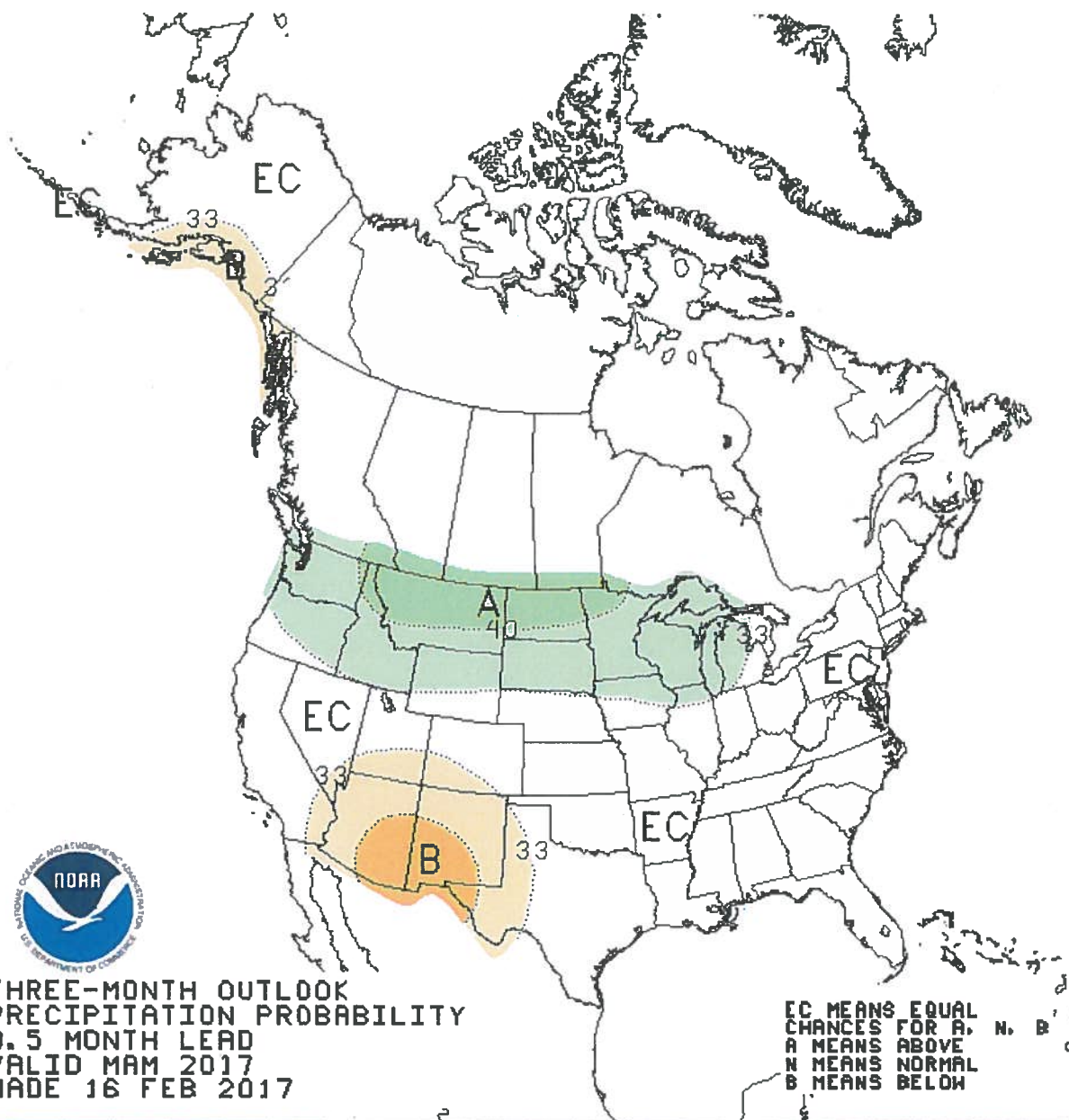
| Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Total |
|--------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1965-66 | 0.00 | 17.00 | 9.36 | 2.24 | 0.86 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.70 |
| 1966-67 | 0.04 | 7.48 | 9.38 | 8.22 | 0.00 | 6.86 | 7.15 | 0.06 | 0.00 | 0.00 | 0.00 | 0.12 | 39.31 |
| 1967-68 | 0.00 | 5.11 | 1.51 | 1.84 | 1.30 | 3.50 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.93 |
| 1968-69 | 1.19 | 1.07 | 2.22 | 31.18 | 18.23 | 1.67 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 58.37 |
| 1969-70 | 0.00 | 2.59 | 0.31 | 4.34 | 3.57 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.39 |
| 1970-71 | 0.08 | 9.38 | 8.87 | 1.10 | 1.64 | 0.00 | 0.94 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 22.48 |
| 1971-72 | 0.47 | 1.09 | 13.20 | 0.19 | 0.32 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 15.62 |
| 1972-73 | 0.55 | 9.10 | 1.06 | 8.38 | 14.89 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.25 |
| 1973-74 | 0.70 | 3.19 | 2.83 | 12.26 | 0.05 | 5.35 | 0.85 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 25.25 |
| 1974-75 | 0.89 | 0.06 | 9.53 | 0.35 | 5.62 | 8.96 | 2.13 | 0.08 | 0.00 | 0.00 | 0.01 | 0.00 | 27.63 |
| 1975-76 | 0.40 | 0.44 | 0.22 | 0.00 | 10.93 | 2.02 | 1.08 | 0.00 | 0.00 | 0.00 | 0.05 | 4.28 | 19.42 |
| 1976-77 | 0.25 | 0.44 | 0.83 | 5.42 | 0.26 | 2.89 | 0.00 | 5.19 | 0.00 | 0.00 | 0.38 | 0.00 | 15.66 |
| 1977-78 | 0.00 | 0.14 | 9.23 | 1.91 | 14.42 | 18.28 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 49.88 |
| 1978-79 | 0.00 | 2.76 | 2.51 | 8.49 | 6.08 | 7.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 28.11 |
| 1979-80 | 0.58 | 0.96 | 2.02 | 8.13 | 17.69 | 4.39 | 1.10 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 35.11 |
| 1980-81 | 0.00 | 0.00 | 1.74 | 6.17 | 2.99 | 9.98 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.93 |
| 1981-82 | 0.38 | 2.57 | 0.47 | 6.14 | 0.65 | 7.55 | 5.30 | 0.05 | 0.00 | 0.00 | 0.00 | 1.70 | 24.81 |
| 1982-83 | 1.30 | 7.87 | 5.61 | 15.07 | 8.47 | 15.11 | 8.86 | 0.00 | 0.00 | 0.00 | 0.79 | 0.59 | 63.67 |
| 1983-84 | 5.57 | 4.18 | 6.75 | 0.25 | 0.08 | 0.95 | 0.24 | 0.00 | 0.00 | 0.00 | 0.07 | 0.28 | 18.37 |
| 1984-85 | 0.49 | 3.52 | 7.94 | 0.96 | 1.24 | 1.92 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 16.25 |
| 1985-86 | 0.42 | 7.14 | 1.11 | 3.24 | 10.61 | 6.77 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 31.64 |
| 1986-87 | 0.00 | 0.96 | 0.42 | 2.71 | 2.04 | 4.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.71 |
| 1987-88 | 1.60 | 1.52 | 4.67 | 5.19 | 4.12 | 2.60 | 5.14 | 0.06 | 0.05 | 0.00 | 0.00 | 0.00 | 24.95 |
| 1988-89 | 0.00 | 1.04 | 5.73 | 0.29 | 5.38 | 1.43 | 0.13 | 0.46 | 0.00 | 0.00 | 0.00 | 0.25 | 14.71 |
| 1989-90 | 0.79 | 0.58 | 0.00 | 5.61 | 3.33 | 0.27 | 0.24 | 0.78 | 0.00 | 0.00 | 0.00 | 0.20 | 11.80 |
| 1990-91 | 0.00 | 0.26 | 0.18 | 1.71 | 4.88 | 23.12 | 0.03 | 0.00 | 0.06 | 0.38 | 0.00 | 0.00 | 30.62 |
| 1991-92 | 0.33 | 0.13 | 7.54 | 4.72 | 18.82 | 7.28 | 0.04 | 0.16 | 0.00 | 0.07 | 0.00 | 0.00 | 39.09 |
| 1992-93 | 1.78 | 0.00 | 8.17 | 14.30 | 16.43 | 8.12 | 0.00 | 0.34 | 0.47 | 0.00 | 0.00 | 0.00 | 49.61 |
| 1993-94 | 0.19 | 1.51 | 2.42 | 1.74 | 9.76 | 2.72 | 0.65 | 0.51 | 0.00 | 0.00 | 0.00 | 0.09 | 19.59 |
| 1994-95 | 2.19 | 1.29 | 1.54 | 33.26 | 3.39 | 15.30 | 0.33 | 1.64 | 0.02 | 0.00 | 0.00 | 0.00 | 58.96 |
| 1995-96 | 0.00 | 0.18 | 2.85 | 2.93 | 10.30 | 2.21 | 1.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 19.86 |
| 1996-97 | 7.05 | 1.89 | 7.81 | 7.45 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.09 | 24.46 |
| 1997-98 | 0.00 | 5.48 | 10.17 | 6.64 | 34.63 | 4.47 | 4.43 | 6.62 | 0.03 | 0.00 | 0.00 | 0.55 | 73.02 |
| 1998-99 | 0.13 | 1.30 | 0.79 | 4.25 | 2.24 | 4.55 | 2.97 | 0.00 | 0.13 | 0.24 | 0.00 | 0.03 | 16.63 |
| 1999-00 | 0.00 | 1.65 | 0.00 | 2.25 | 16.70 | 3.73 | 5.36 | 0.03 | 0.19 | 0.00 | 0.00 | 0.00 | 29.91 |
| 2000-01 | 4.04 | 0.00 | 0.15 | 11.24 | 8.85 | 13.59 | 2.96 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 40.85 |
| 2001-02 | 0.65 | 4.48 | 2.89 | 1.03 | 0.33 | 0.84 | 0.08 | 0.09 | 0.00 | 0.00 | 0.00 | 0.06 | 10.45 |
| 2002-03 | 0.00 | 4.61 | 6.45 | 0.12 | 5.26 | 4.43 | 4.97 | 2.82 | 0.00 | 0.06 | 0.00 | 0.00 | 28.72 |
| 2003-04 | 0.00 | 2.29 | 3.10 | 0.42 | 8.50 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.74 |
| 2004-05 | 8.39 | 0.46 | 17.37 | 21.54 | 15.65 | 3.58 | 1.14 | 1.46 | 0.00 | 0.00 | 0.00 | 0.14 | 69.73 |
| 2005-06 | 0.60 | 1.43 | 0.68 | 9.67 | 5.41 | 5.22 | 8.15 | 1.29 | 0.00 | 0.00 | 0.10 | 0.00 | 32.55 |
| 2006-07 | 0.37 | 0.23 | 1.63 | 2.62 | 3.40 | 0.16 | 0.81 | 0.00 | 0.00 | 0.00 | 0.02 | 0.85 | 10.09 |
| 2007-08 | 0.38 | 0.10 | 4.09 | 23.84 | 3.11 | 0.00 | 0.15 | 0.27 | 0.00 | 0.00 | 0.10 | 0.00 | 32.04 |
| 2008-09 | 0.06 | 2.22 | 4.07 | 1.00 | 7.95 | 0.90 | 0.35 | 0.01 | 0.09 | 0.00 | 0.00 | 0.00 | 16.65 |
| 2009-10 | 5.81 | 0.00 | 5.19 | 11.89 | 6.90 | 0.69 | 4.44 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 35.00 |
| 2010-11 | 2.03 | 2.04 | 14.04 | 2.06 | 5.12 | 14.95 | 0.00 | 1.18 | 0.51 | 0.00 | 0.00 | 0.00 | 41.93 |
| 2011-12 | 0.74 | 3.00 | 0.36 | 1.22 | 0.47 | 5.89 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 14.80 |
| 2012-13 | 0.34 | 2.60 | 2.68 | 1.39 | 0.24 | 1.02 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 8.88 |
| 2013-14 | 0.08 | 1.21 | 0.29 | 0.00 | 5.07 | 5.16 | 0.66 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 13.04 |
| 2014-15 | 0.00 | 1.21 | 7.88 | 0.87 | 0.73 | 0.60 | 0.36 | 0.62 | 0.98 | 0.00 | 0.00 | 0.16 | 13.41 |
| 2015-16 | 0.23 | 0.36 | 0.71 | 4.66 | 2.66 | 4.22 | 0.27 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 13.24 |
| 2016-17 | 1.20 | 1.26 | 3.10 | 11.51 | 14.23 | | | | | | | | |
| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Total |
| 50 yr avg | 1.05 | 2.14 | 4.10 | 6.27 | 6.90 | 5.13 | 1.74 | 0.53 | 0.05 | 0.02 | 0.03 | 0.26 | 28.08 |
| 50 yr median | 0.38 | 1.30 | 2.76 | 3.75 | 5.10 | 4.25 | 0.74 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 24.88 |
| Average YTD: | 1.20 | 1.23 | 1.85 | 4.27 | 6.26 | | | | | | | | |
| Actual YTD: | 1.20 | 2.46 | 5.56 | 17.07 | 31.30 | | | | | | | | |



THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID MAM 2017
MADE 16 FEB 2017

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



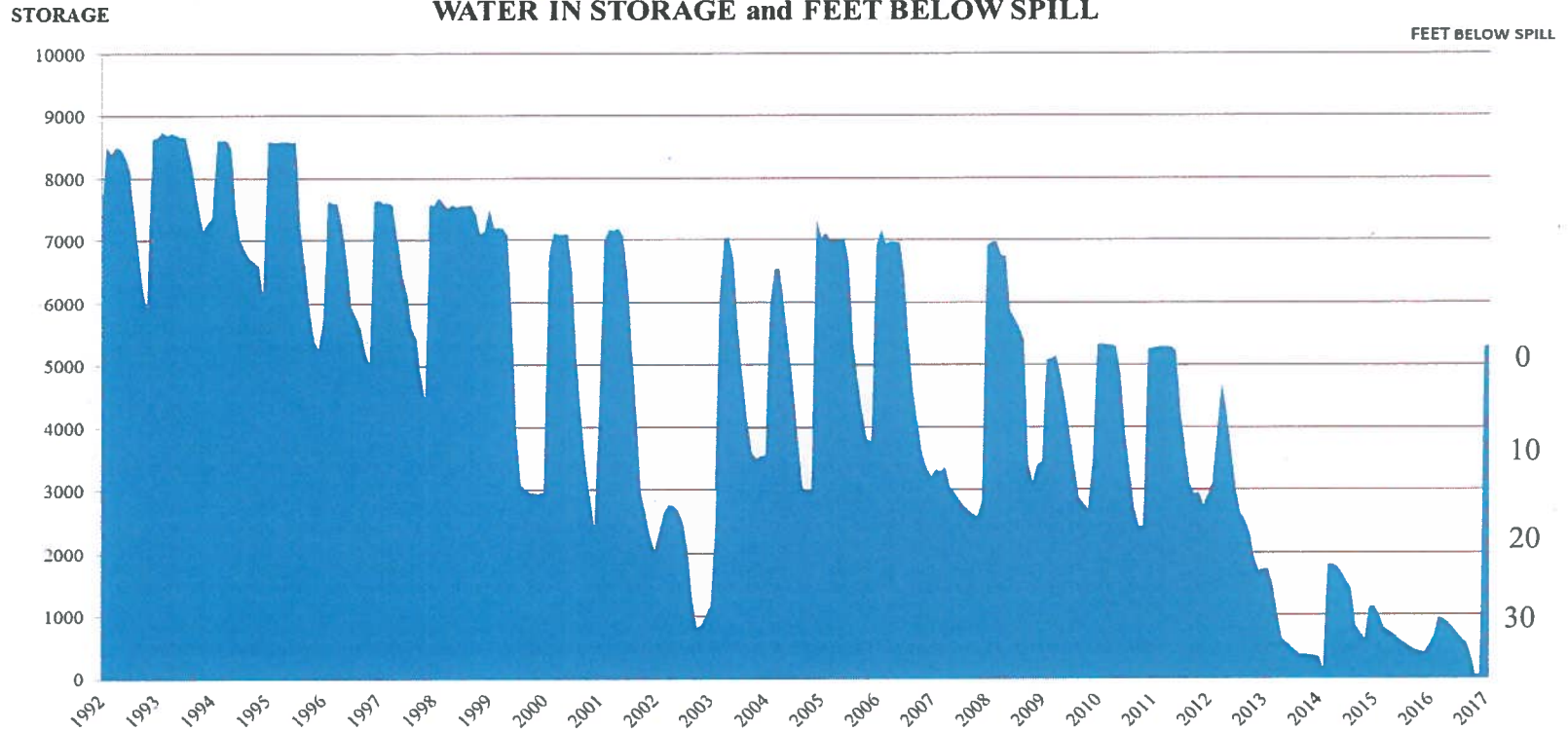


**THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MAM 2017
MADE 16 FEB 2017**

**EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW**



GIBRALTAR RESERVOIR HYDROGRAPH WATER IN STORAGE and FEET BELOW SPILL



| <u>ELEV.</u> | <u>STATUS</u> | <u>CAPACITY (AF)</u> |
|--------------|-------------------------|----------------------|
| 1,400.00 | Reservoir is Full | 5,246 |
| 1,376.48 | First 16" Intake Valve | 1,156 |
| 1,361.82 | Second 16" Intake Valve | 0 |
| 1,300.00 | Reservoir is Empty | 0 |

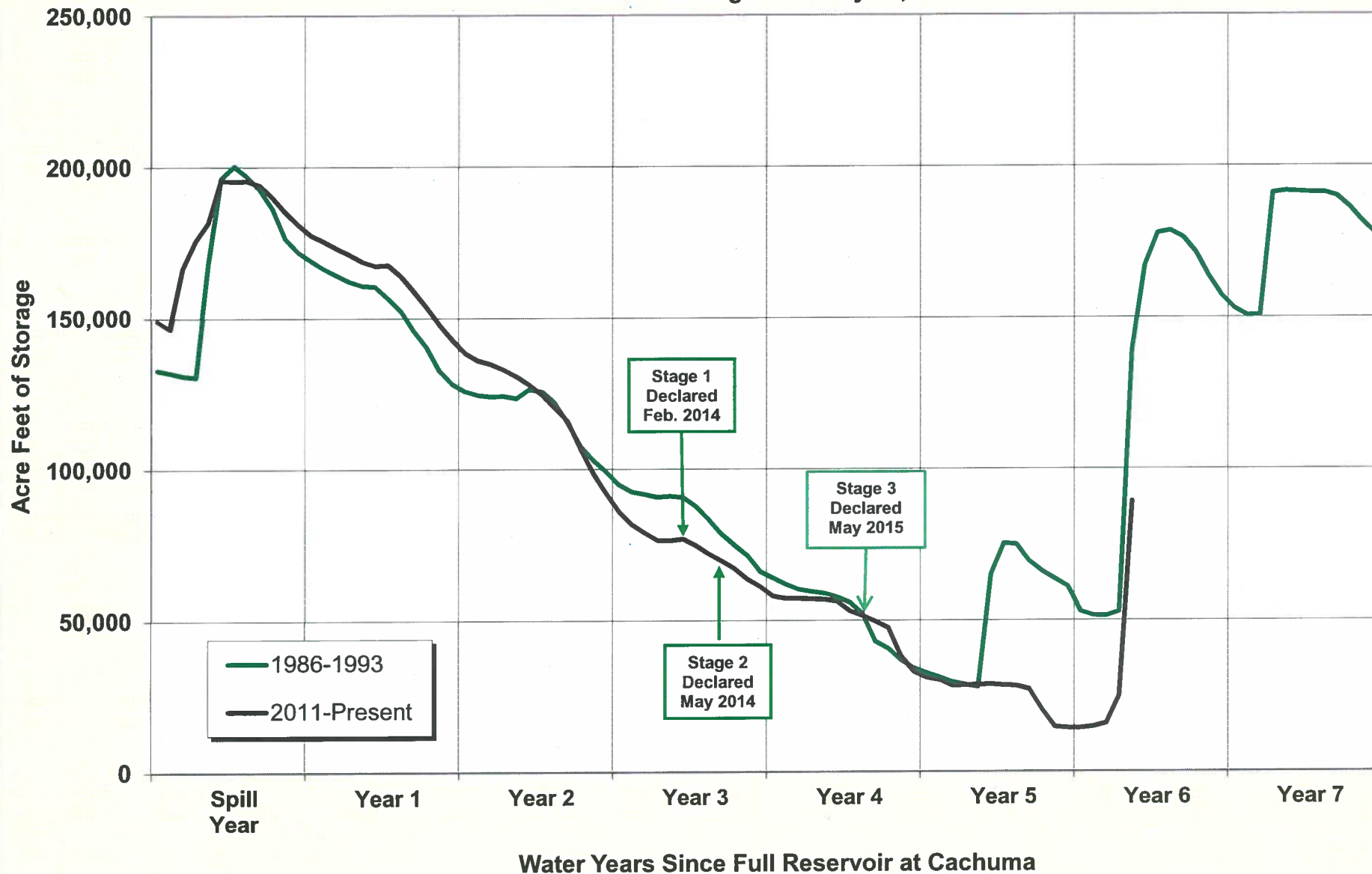
January 1993 - February 1996... Reflects use of M,N&S 1992 Gib. Area/Capacity Survey @ 8,618 AF
 February 1996 - October 1998... Reflects use of M,N&S 1996 Gib. Area/Capacity Survey @ 7,631 AF
 October 1998 - December 2001... Reflects use of M,N&S 1998 Gib. Area/Capacity Survey @ 7,261 AF
 January 2002 - December 2004... Reflects use of M,N&S 2001 Gib. Area/Capacity Survey @ 7,096 AF
 January 2005 - November 2007... Reflects use of M,N&S 2004 Gib. Area/Capacity Survey @ 7,085 AF
 December 2007 - July 2008... Reflects use of M,N&S 2007 Gib. Area/Capacity Survey @ 6,784 AF
 August 2008 - May 2010... Reflects use of MN&S 2008 Gib. Area/Capacity Survey @ 5,303 AF
 June 2010 - September 2013... Reflects use of MN&S 2010 Gib. Area/Capacity Survey @ 5,251 AF
 October 2013 - Present... Reflects use of MN&S 2013 Gib. Area/Capacity Survey @ 5,246 AF

TIME & DATE OF SPILL SINCE 1989

| | |
|------------|-------------------|
| 4:30 Am | March 19, 1991 |
| 9:09 Am | February 7, 1992 |
| 10:30 Am | January 7, 1993 |
| 6:45 Am | February 18, 1994 |
| 1:37 Pm | January 9, 1995 |
| 2:10 Pm | February 20, 1996 |
| 6:00 Am | December 22, 1996 |
| 3:00 Am | January 2, 1997 |
| 1:30 Pm | January 15, 1997 |
| 9:40 Am | December 6, 1997 |
| 4:30 Pm | February 6, 1999 |
| 8:00 Am | February 24, 2000 |
| 1:00 Am | February 15, 2001 |
| 1:30 Pm | April 14, 2003 |
| 5:00 Pm | December 29, 2004 |
| 8:30 Pm | January 2, 2006 |
| 1:00 Am | January 5, 2008 |
| 7:00 Pm | February 16, 2009 |
| 12:00 Noon | January 20, 2010 |
| 07:00 Am | December 20, 2010 |

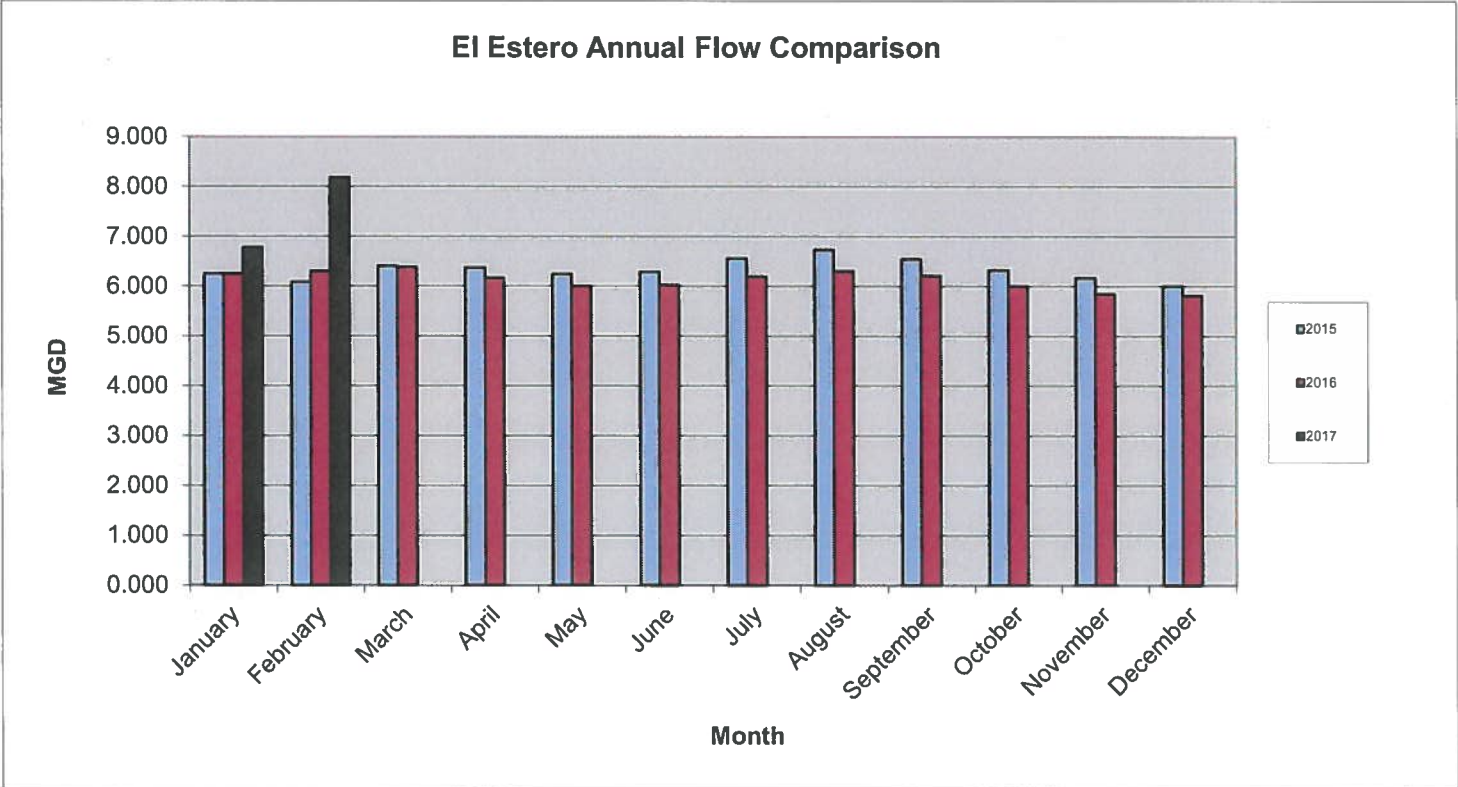
Cachuma Storage: Current Drought & 1986-93 Period

Data Shown Through February 28, 2017



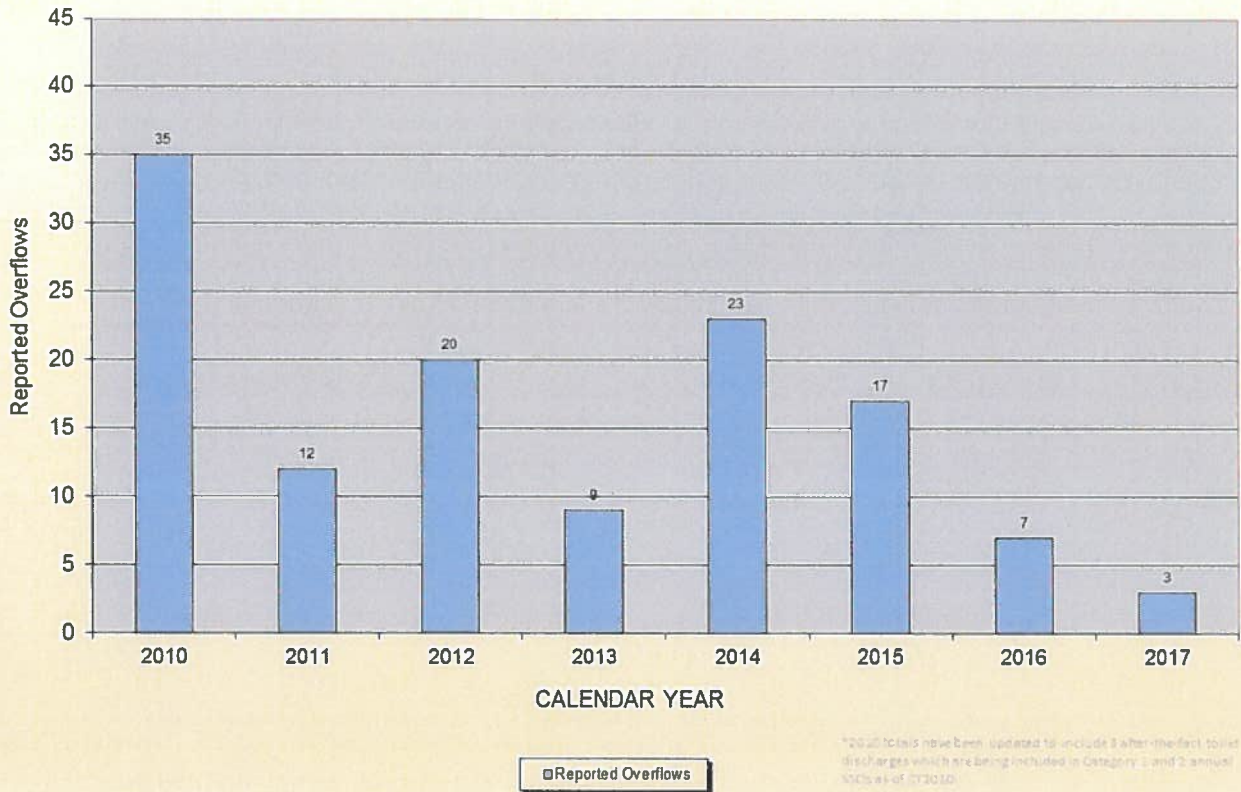
EL ESTERO INFLUENT FLOW COMPARISON

| | 2015 | 2016 | 2017 |
|-----------|-------------|-------------|-------------|
| January | 6.244 | 6.245 | 6.777 |
| February | 6.081 | 6.298 | 8.177 |
| March | 6.401 | 6.380 | |
| April | 6.367 | 6.164 | |
| May | 6.237 | 5.999 | |
| June | 6.282 | 6.020 | |
| July | 6.556 | 6.189 | |
| August | 6.731 | 6.301 | |
| September | 6.541 | 6.205 | |
| October | 6.322 | 6.005 | |
| November | 6.162 | 5.843 | |
| December | 5.999 | 5.806 | |

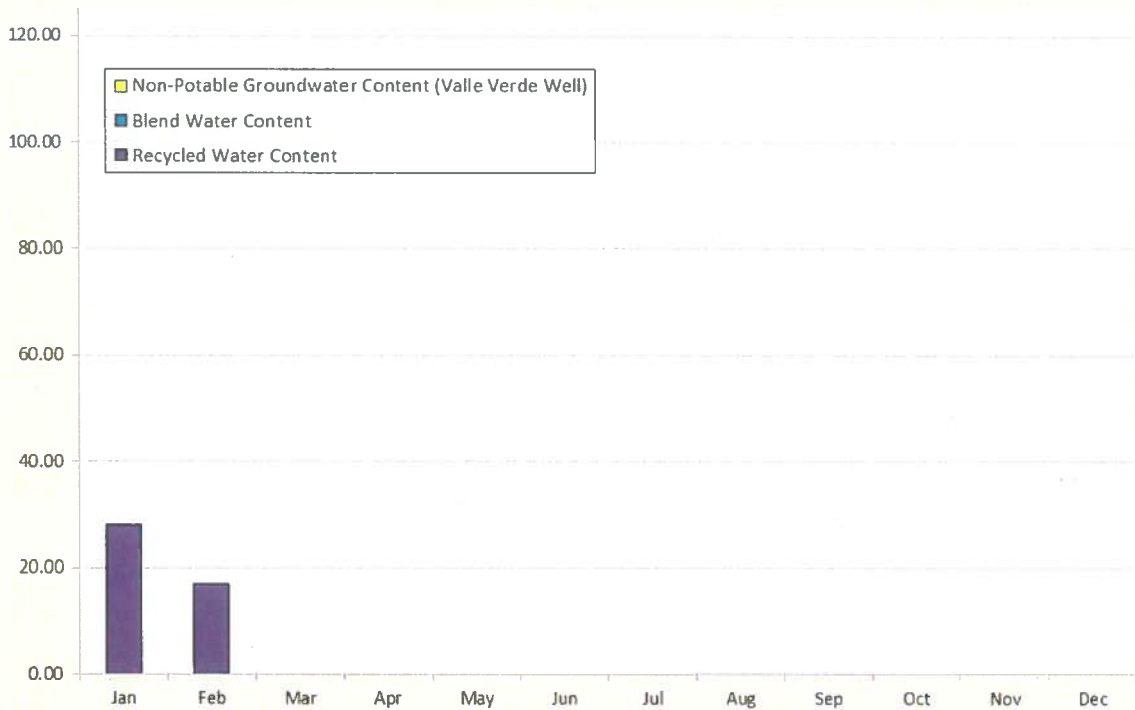


Annual Flow is Calculated Adjusted Influent Flow

CITY OF SANTA BARBARA
Graph of Annual SSO's (Category 1, 2, and 3) - Public Spills only
(as of 2/14/17)




Recycled Production by Source of Supply for 2017 (Acre-Feet)





City of Santa Barbara
Public Works Department

Interoffice Memorandum

DATE: March 8, 2017
TO: Joshua Haggmark, Water Resources Manager
FROM: Bill Ferguson, Project Manager 
SUBJECT: Warren Act Contract for USRYOA Pass Through Operations - Status

Following is the status of implementation of Pass Through Operations under the 1989 Upper Santa Ynez River Operations Agreement ("Pass Through Agreement"):

Reclamation's Environmental Assessment and Finding of No Significant Impact

We anticipate being advised by Reclamation this week as to their revised target date for release of the final EA/FONSI.

Warren Act Contract

Staff has initiated a weekly phone call with Reclamation to motivate progress. We are drafting language describing Pass Through Operations for inclusion in the contract exhibits. Reclamation has identified qualified internal staff to assist in accounting modifications to reflect Pass Through operations.

cc: Kelley Dyer, Water Resources Supervisor
Dakota Corey, Water Resources Specialist

BF/