

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 7/23/2025  
Time: 6:30:00 AM

### State Water Project

| Inflows |                                |             | Deliveries |                       |     |   |                      |     |   |                             |             |
|---------|--------------------------------|-------------|------------|-----------------------|-----|---|----------------------|-----|---|-----------------------------|-------------|
| A       | BBMWD In-lieu                  | 0.0         | H          | EVWD City Creek       | 8.6 | M | Crafton Unger Lane   | 0.0 | S | SBCFCD Grove                | 0.0         |
| B       | Muni test at Greenspot Station | 0.0         | I          | Santa Ana Low Turnout | 0.0 | N | BVMWC Boullioun Box  | 8.3 | T | Newport for BVMWC           | 0.0         |
| C       | Exchange Water                 | 8.3         | J          | Northfork Canal       | 0.0 | P | SARC West            | 0.0 | U | M/C spreading at Zanja Tate | 0.0         |
| D       | Purchased Water                | 8.6         | K          | Edwards Canal         | 0.0 | Q | Zanja                | 0.0 | W | Tres Lagos                  | 0.0         |
| E       | Redlands Aqueduct Leakage      | 0.0         | L          | Redlands Aqueduct     | 0.0 | R | Tate Treatment Plant | 0.0 | V | <b>Total SWP Deliveries</b> | <b>16.9</b> |
| F       | Recharge Project               | 0.0         |            |                       |     |   |                      |     |   |                             |             |
| G       | <b>Total SWP Inflows</b>       | <b>16.9</b> |            |                       |     |   |                      |     |   |                             |             |

### Santa Ana River Inflows

| SAR PH #3 Penstock (calc) |                                  | BVMWC Highline |              | SOD Release Subtotal          |            | Total SAR Inflows |                                 |             |                          |                           |             |
|---------------------------|----------------------------------|----------------|--------------|-------------------------------|------------|-------------------|---------------------------------|-------------|--------------------------|---------------------------|-------------|
| G2                        | Northfork Canal Weir             | 0.0            | A2           | Newport                       | 0.0        | D1                | BVMWC River PU (USGS)           | 16.6        | A1                       | SAR PH #3 Penstock (calc) | 0.0         |
| H2                        | Edwards Canal                    | 0.0            | D2           | Boullioun Box Weir            | 0.0        | E1                | Main River Gage (USGS)          | 11.3        | B1                       | BVMWC Highline            | 0.0         |
| J2                        | Tailrace Valve to Parshall Flume | 0.0            | E2           | Boullioun Box to Zanja        | 0.0        | <b>minus</b>      |                                 | C1          | Greenspot Pipeline       | 0.0                       |             |
| K2                        | Northfork Parshall Flume         | 0.0            | F2           | SBVWCD Mill Creek Spreading   | 0.0        | F1                | Greenspot Spill                 | 0.0         | D1                       | BVMWC River PU (USGS)     | 16.6        |
| V1                        | PH#3 Afterbay Spill/Loss to SAR  | 0.0            | B1           | <b>BVMWC Highline</b>         | <b>0.0</b> | Z1                | <b>SOD Release Subtotal</b>     | <b>27.9</b> | E1                       | Main River Gage (USGS)    | 11.3        |
| W1                        | Redlands Aqueduct / Sandbox      | 14.2           | <b>Other</b> |                               |            |                   |                                 | D1a         | BV Pick-Up gated         | -                         |             |
| Y1                        | Redlands Sandbox Spill           | 3.0            | J1           | Big Bear Lake Release         | 0.8        | w                 | Observation at SOD              | N/R         | A5                       | <b>Total SAR Inflows</b>  | <b>27.9</b> |
| <b>minus</b>              |                                  |                | L1           | SCE SAR AVM (SCADA)           | 0.0        | x                 | SOD Reservoir Elevation (scada) | N/A         | <b>Edison Generation</b> |                           |             |
| D1                        | BVMWC River PU (USGS)            | 16.6           | X1           | SAR-MC Spread (Red. Aqueduct) | 0.0        | y                 | Debris Pool Elevation           | N/A         | SAR PH#1 Generating      | -                         |             |
| I1                        | Redlands Tunnel                  | 0.6            |              |                               |            |                   |                                 |             | SAR PH#3 Generating      | -                         |             |
| A1                        | <b>SAR PH #3 Penstock (calc)</b> | <b>0.0</b>     |              |                               |            |                   |                                 |             |                          |                           |             |
| K1                        | <b>PH3# Penstock (SCADA)</b>     | <b>0.0</b>     |              |                               |            |                   |                                 |             |                          |                           |             |

### Santa Ana River Deliveries

| Greenspot Pipeline |                             | Tailrace Pipeline |                   | SBVWCD Parshall Flume To Basins  |            | Deliveries   |                                  |      |                                  |                             |             |
|--------------------|-----------------------------|-------------------|-------------------|----------------------------------|------------|--------------|----------------------------------|------|----------------------------------|-----------------------------|-------------|
| M1                 | Redlands sand box           | 0.0               | G2                | Northfork Canal Weir             | 0.0        | J2           | Tailrace Valve to Parshall Flume | 0.0  | V1                               | SAR PH #3 Afterbay Spill    | 0.0         |
| N1                 | BVMWC Highline              | 0.0               | H2                | Edwards Canal                    | 0.0        | K2           | Northfork Parshall Flume         | 0.0  | W1                               | Redlands Aqueduct / Sandbox | 14.2        |
| O1                 | Newport for BVMWC           | 0.0               | J2                | Tailrace Valve to Parshall Flume | 0.0        | H1           | SBVWCD Diversion                 | 11.3 | Y1                               | Redlands Sandbox Spill      | 3.0         |
| P1                 | SBVWCD Mill Creek Spreading | 0.0               | K2                | Northfork Parshall Flume         | 0.0        | <b>minus</b> |                                  | Z2   | Cuttle Weir To River             | 0.0                         |             |
| Q1                 | Crafton WC Unger Lane       | 0.0               | I2                | <b>Tailrace Pipeline</b>         | <b>0.0</b> | L2           | Sedimentation Basin Recharge     | 0.0  | B1                               | BVMWC Highline              | 0.0         |
| R1                 | BVMWC Highline to Boullioun | 0.0               | <b>Irrigation</b> |                                  |            |              |                                  | C1   | Greenspot Pipeline               | 0.0                         |             |
| S1                 | Tres Lagos                  | 0.0               | D2                | Boullioun Box Weir               | 0.0        |              |                                  |      | L2                               | SBVWCD Parshall Flume       | 11.3        |
| T1                 | Tate Pump Station to Zanja  | 0.0               | R1                | BVMWC Highline to Boullioun      | 0.0        |              |                                  |      | L2                               | Sedimentation Recharge      | 0.0         |
| C1                 | <b>Greenspot Pipeline</b>   | <b>0.0</b>        | N                 | BVMWC Boullioun Box              | 8.3        |              |                                  |      | <b>minus</b>                     |                             |             |
|                    |                             |                   | <b>minus</b>      |                                  |            |              |                                  | J2   | Tailrace Valve to Parshall Flume | 0.0                         |             |
|                    |                             |                   | B2                | Gay Overflow                     | 3.0        |              |                                  |      | K2                               | Northfork Parshall Flume    | 0.0         |
|                    |                             |                   | <b>Irrigation</b> |                                  | <b>5.3</b> |              |                                  |      | I1                               | Redlands Tunnel             | 0.6         |
|                    |                             |                   |                   |                                  |            |              |                                  |      | N2                               | <b>Total SAR Deliveries</b> | <b>27.9</b> |

### Mill Creek Inflows

| Total MC Inflows |                             | Other       |    |                                  |      |
|------------------|-----------------------------|-------------|----|----------------------------------|------|
| A3               | RPU Flow                    | 9.4         | E3 | M/C #1 Penstock Flow             | 16.0 |
| B3               | M/C #3 Penstock             | 6.6         | F3 | Stream Parshall Flume to Yucaipa | 0.0  |
| C3               | SBVWCD Mill Creek Diversion | 0.0         | G3 | Observation at Garnet            | 4.5  |
| D3               | <b>Total MC Inflows</b>     | <b>16.0</b> |    |                                  |      |

### Mill Creek Deliveries

| Yucaipa Pipeline           |                               | MC #1 Flow (Cooley Hat) |    | Total MC Deliveries            |             | Other |                                 |             |    |                                   |      |
|----------------------------|-------------------------------|-------------------------|----|--------------------------------|-------------|-------|---------------------------------|-------------|----|-----------------------------------|------|
| H3                         | Yucaipa Regional Park         | 0.0                     | P3 | Tate Inflow                    | 11.5        | C3    | SBVWCD Mill Creek Diversion     | 0.0         | H3 | Mentone Reservoir Level           | 17.9 |
| J3                         | Wilson Creek Spreading        | 0.0                     | Q3 | East Weir to Mill Creek        | 4.5         | T3    | Mill Creek #1 Flow (Cooley Hat) | 16.0        | R3 | Boullioun to BVMWC Highline       | 0.0  |
| K3                         | <b>Yucaipa Pipeline</b>       | <b>0.0</b>              | S3 | East Weir to Zanja             | 0.0         | U3    | <b>Total MC Deliveries</b>      | <b>16.0</b> | V3 | Zanja West Weir to CWC Canal      | 0.0  |
| <b>SBVWCD MC Spreading</b> |                               |                         | T3 | <b>MC #1 Flow (Cooley Hat)</b> | <b>16.0</b> |       |                                 |             | W3 | Mill Creek PH #2,3 Afterbay Spill | 0.0  |
| C3                         | SBVWCD Mill Creek Diversion   | 0.0                     | N3 | <b>Cooley Hat (SCADA)</b>      | <b>NA</b>   |       |                                 |             | Y3 | Crafton Reservoir Level (21.3)    | 19.8 |
| L3                         | East Weir Recharge (MC)       | 0.0                     |    |                                |             |       |                                 |             |    |                                   |      |
| M3                         | BVHL (SAR)                    | 0.0                     |    |                                |             |       |                                 |             |    |                                   |      |
| X1                         | SAR-MC Spread (Red. Aqueduct) | 0.0                     |    |                                |             |       |                                 |             |    |                                   |      |
| O3                         | <b>SBVWCD MC Spreading</b>    | <b>0.0</b>              |    |                                |             |       |                                 |             |    |                                   |      |

### SBVWCD Recharge

| Location                        |                             | Type   | Previous Day (AF)             |      | WY To Date (AF)                |          | Target  | Calendar Year To Date (AF)        |          | Target  |
|---------------------------------|-----------------------------|--------|-------------------------------|------|--------------------------------|----------|---------|-----------------------------------|----------|---------|
| A4                              | Santa Ana River             | SAR    | E4                            | 25.0 | I4                             | 15,941.9 | 176,000 | I4                                | 13,180.5 | 176,000 |
| M4                              | Santa Ana Rvr to Mill Creek | SAR-MC | N4                            | 0.0  | O4                             | 1,016.6  |         | O4                                | 457.6    |         |
|                                 | Santa Ana Rvr to Mill Creek | SWP    |                               | 0.0  |                                | 990.8    |         |                                   | 990.8    |         |
| B4                              | Santa Ana River             | SWP    | F4                            | 0.0  | J4                             | 13,835.8 | 1       | J4                                | 2,245.5  |         |
|                                 | Mill Creek                  | MC     | G4                            | 0.0  | K4                             | 4,177.0  | 106,000 | K4                                | 3,608.9  | 106,000 |
| D4                              | Mill Creek                  | SWP    | H4                            | 0.0  | L4                             | 402.9    |         | L4                                | 0.0      |         |
|                                 | Plunge Creek                | PLC    |                               | 0.0  |                                | 565.0    |         |                                   | 349.6    |         |
| SAR Passing Cuttle Weir (cfs)   | 0                           |        | Share of Lost SAR Flow        | 0    | Estimate SAR flow (cfs)        | 0        |         | Estimate SAR Recharge (AF)        | 0        |         |
| Mill Creek Passing Garnet (cfs) | 5                           |        | Share of Lost Mill Creek Flow | 0    | Estimate Mill Creek flow (cfs) | 5        |         | Estimate Mill Creek Recharge (AF) | 8        |         |
| Flow in the River Above Alabama | 5                           |        | Flowing Beyond Alabama        | 0    | Total River Flow (cfs)         | 5        |         | Total River Recharge (AF)         | 8        |         |