# Santa Ana River - Mill Creek Cooperative Water Project

**Daily Flow Report**

**Date:** 2/20/2025
**Time:** 7:00:00 AM

## State Water Project

| Inflows | | |
|---|---|---|
| A | BBMWD In-lieu | 4.0 |
| B | Muni test at Greenspot Station | 0.0 |
| C | Exchange Water | 0.0 |
| D | Purchased Water | 0.0 |
| E | Redlands Aqueduct Leakage | 0.0 |
| F | Recharge Project | 60.0 |
| **G** | **Total SWP Inflows** | **64.0** |

| Deliveries | | |
|---|---|---|
| H | EVWD City Creek | 0.0 |
| I | Santa Ana Low Turnout | 60.0 |
| J | Northfork Canal | 0.0 |
| K | Edwards Canal | 0.0 |
| L | Redlands Aqueduct | 0.0 |
| M | Crafton Unger Lane | 0.0 |
| N | BVMWC Boullioun Box | 4.0 |
| P | SARC West | 0.0 |
| Q | Zanja | 0.0 |
| R | Tate Treatment Plant | 0.0 |
| S | SBCFCD Grove | 0.0 |
| T | Newport for BVMWC | 0.0 |
| U | M/C spreading at Zanja Tate | 0.0 |
| W | Tres Lagos | 0.0 |
| **V** | **Total SWP Deliveries** | **64.0** |

## Santa Ana River Inflows

| SAR PH #3 Penstock (calc) | | |
|---|---|---|
| G2 | Northfork Canal Weir | 0.0 |
| H2 | Edwards Canal | 0.0 |
| J2 | Tailrace Valve to Parshall Flume | 0.0 |
| K2 | Northfork Parshall Flume | 0.0 |
| V1 | PH#3 Afterbay SpillLoss to SAR | 0.0 |
| W1 | Redlands Aqueduct / Sandbox | 0.5 |
| Y1 | Redlands Sandbox Spill | 0.0 |
| D1 | BVMWC River PU (USGS) | 0.0 |
| I1 | Redlands Tunnel | 0.5 |
| **A1** | **SAR PH #3 Penstock (calc)** | **0.0** |
| **K1** | **PH3# Penstock (SCADA)** | **0.0** |

| BVMWC Highline | | |
|---|---|---|
| A2 | Newport | 0.0 |
| D2 | Boullioun Box Weir | 0.0 |
| E2 | Boullioun Box to Zanja | 0.0 |
| F2 | SBVWCD Mill Creek Spreading | 0.0 |
| **B1** | **BVMWC Highline** | **0.0** |

| Other | | |
|---|---|---|
| J1 | Big Bear Lake Release | 0.9 |
| L1 | SCE SAR AVM (SCADA) | 0.0 |
| X1 | SAR-MC Spread (Red. Aqueduct) | 0.0 |

| SOD Release Subtotal | | |
|---|---|---|
| D1 | BVMWC River PU (USGS) | 0.0 |
| E1 | Main River Gage (USGS) | 60.9 |
| | | **minus** |
| F1 | Greenspot Spill | 0.0 |
| **Z1** | **SOD Release Subtotal** | **60.9** |

| | | |
|---|---|---|
| W | Observation at SOD | 2240.8 |
| X | SOD Reservoir Elevation (scada) | N/A |
| Y | Debris Pool Elevation | N/A |

| Total SAR Inflows | | |
|---|---|---|
| **A1** | SAR PH #3 Penstock (calc) | 0.0 |
| **B1** | BVMWC Highline | 0.0 |
| C1 | Greenspot Pipeline | 0.0 |
| D1 | BVMWC River PU (USGS) | 0.0 |
| E1 | Main River Gage (USGS) | 60.9 |
| D1a | BV Pick-Up gated | |
| **A5** | **Total SAR Inflows** | **60.9** |

| Edison Generation | |
|---|---|
| SAR PH#1 Generating | |
| SAR PH#3 Generating | |

## Santa Ana River Deliveries

| Greenspot Pipeline | | |
|---|---|---|
| M1 | Redlands sand box | 0.0 |
| N1 | BVMWC Highline | 0.0 |
| O1 | Newport for BVMWC | 0.0 |
| P1 | SBVWCD Mill Creek Spreading | 0.0 |
| Q1 | Crafton WC Unger Lane | 0.0 |
| R1 | BVMWC Highline to Boullioun | 0.0 |
| S1 | Tres Lagos | 0.0 |
| T1 | Tate Pump Station to Zanja | 0.0 |
| **C1** | **Greenspot Pipeline** | **0.0** |

| Tailrace Pipeline | | |
|---|---|---|
| G2 | Northfork Canal Weir | 0.0 |
| H2 | Edwards Canal | 0.0 |
| J2 | Tailrace Valve to Parshall Flume | 0.0 |
| K2 | Northfork Parshall Flume | 0.0 |
| **I2** | **Tailrace Pipeline** | **0.0** |

| Irrigation | | |
|---|---|---|
| D2 | Boullioun Box Weir | 0.0 |
| R1 | BVMWC Highline to Boullioun | 0.0 |
| N | BVMWC Boullioun Box | 4.0 |
| | | **minus** |
| B2 | Gay Overflow | 2.2 |
| C2 | **Irrigation** | 1.8 |

| SBVWCD Parshall FlumeTo Basins | | |
|---|---|---|
| J2 | Tailrace Valve to Parshall Flume | 0.0 |
| K2 | Northfork Parshall Flume | 0.0 |
| H1 | SBVWCD Diversion | 0.0 |
| | Sedimentation Basin Recharge | 0.0 |
| **L2** | **SBVWCD Parshall Flume** | **0.0** |
| | **Parshall Flume (SCADA)** | **0.0** |

| Deliveries | | |
|---|---|---|
| V1 | SAR PH #3 Afterbay Spill | 0.0 |
| W1 | Redlands Aqueduct / Sandbox | 0.5 |
| Y1 | Redlands Sandbox Spill | 0.0 |
| Z2 | Cuttle Weir To River | 60.9 |
| **B1** | BVMWC Highline | 0.0 |
| **C1** | Greenspot Pipeline | 0.0 |
| **I2** | Tailrace Pipeline | 0.0 |
| **L2** | SBVWCD Parshall Flume | 0.0 |
| **L2** | Sedimentation Recharge | 0.0 |
| | | **minus** |
| J2 | Tailrace Valve to Parshall Flume | 0.0 |
| K2 | Northfork Parshall Flume | 0.0 |
| I1 | Redlands Tunnel | 0.5 |
| **N2** | **Total SAR Deliveries** | **60.9** |

## Mill Creek Inflows

| Total MC Inflows | | |
|---|---|---|
| A3 | RPU Flow | 0.0 |
| B3 | M/C #3 Penstock | 10.7 |
| C3 | SBVWCD Mill Creek Diversion | 3.3 |
| **D3** | **Total MC Inflows** | **14.0** |

| *Other* | | |
|---|---|---|
| E3 | M/C #1 Penstock Flow | 10.7 |
| F3 | Stream Parshall Flume to Yucaipa | 0.0 |
| G3 | Observation at Garnet | 0.0 |

## Mill Creek Deliveries

| Yucaipa Pipeline | | |
|---|---|---|
| H3 | Yucaipa Regional Park | 0.0 |
| J3 | Wilson Creek Spreading | 0.0 |
| **K3** | **Yucaipa Pipeline** | **0.0** |

| SBVWCD MC Spreading | | |
|---|---|---|
| C3 | SBVWCD Mill Creek Diversion | 3.3 |
| L3 | East Weir Recharge (MC) | 8.7 |
| M3 | BVHL (SAR) | 0.0 |
| X1 | SAR-MC Spread (Red. Aqueduct) | 0.0 |
| **O3** | **SBVWCD MC Spreading** | **12.0** |

| MC #1 Flow (Cooley Hat) | | |
|---|---|---|
| P3 | Tate Inflow | 0.0 |
| Q3 | East Weir to Mill Creek | 8.7 |
| S3 | East Weir to Zanja | 2.0 |
| **T3** | **MC #1 Flow (Cooley Hat)** | **10.7** |
| **N3** | **Cooley Hat (SCADA)** | **10.7** |

| Total MC Deliveries | | |
|---|---|---|
| C3 | SBVWCD Mill Creek Diversion | 3.3 |
| **T3** | Mill Creek #1 Flow (Cooley Hat) | 10.7 |
| **U3** | **Total MC Deliveries** | **14.0** |

| Other | | |
|---|---|---|
| H3 | Mentone Reservoir Level | 18.0 |
| R3 | Boullioun to BVMWC Highline | 0.0 |
| V3 | Zanja West Weir to CWC Canal | 0.7 |
| W3 | Mill Creek PH #2,3 Afterbay Spill | 0.0 |
| Y3 | Crafton Reservoir Level (21.3) | 15.0 |

## SBVWCD Recharge

| Location | | Type | Previous Day (AF) | | WY To Date (AF) | Target | Calendar Year To Date (AF) | Target |
|---|---|---|---|---|---|---|---|---|
| A4 | Santa Ana River | SAR | E4 | 0.0 | I4 | 4,296.4 | I4 | 1,535.0 | 176,000 |
| M4 | Santa Ana Rvr to Mill Creek | SAR-MC | N4 | 0.0 | O4 | 562.6 | O4 | 527.5 | |
| | Santa Ana Rvr to Mill Creek | SWP | | 0.0 | | 0.0 | | 0.0 | |
| B4 | Santa Ana River | SWP | F4 | 102.5 | J4 | 12,058.6 | 1 | J4 | 468.2 | |
| C4 | Mill Creek | MC | G4 | 23.8 | K4 | 1,088.2 | 106,000 | K4 | 520.1 | 106,000 |
| D4 | Mill Creek | SWP | H4 | 0.0 | L4 | 402.9 | | L4 | **0.0** | |
| | Plunge Creek | PLC | | 0.0 | | 387.8 | | | 172.4 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SAR Passing Cuttle Weir (cfs) | 61 | Share of Lost SAR Flow | 25 | Estimate SAR flow (cfs) | 36 | Estimate SAR Recharge (AF) | 0 |
| Mill Creek Passing Garnet (cfs) | 0 | Share of Lost Mill Creek Flow | 0 | Estimate Mill Creek flow (cfs) | 0 | Estimate Mill Creek Recharge (AF) | 74 |
| Flow in the River Above Alabama | 61 | Flowing Beyond Alabama | 25 | Total River Flow (cfs) | 36 | Total River Recharge (AF) | 74 |