# Santa Ana River - Mill Creek Cooperative Water Project

**Daily Flow Report**

**Date:** 10/10/2024
**Time:** 7:00:00 AM

## State Water Project

| | Inflows | |
|---|---|---|
| A | BBMWD In-lieu | 6.1 |
| B | Muni test at Greenspot Station | 0.0 |
| C | Exchange Water | 0.0 |
| D | Purchased Water | 9.0 |
| E | Redlands Aqueduct Leakage | 0.0 |
| F | Recharge Project | 44.1 |
| G | **Total SWP Inflows** | **59.2** |

| | Deliveries | |
|---|---|---|
| H | EVWD City Creek | 7.7 |
| I | Santa Ana Low Turnout | 33.0 |
| 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 | 6.1 |
| 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 | 11.0 |
| W | Tres Lagos | 1.3 |
| V | **Total SWP Deliveries** | **59.1** |

ERROR

## 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 | 9.4 |
| V1 | PH#3 Afterbay SpillLoss to SAR | 0.0 |
| W1 | Redlands Aqueduct / Sandbox | 7.5 |
| Y1 | Redlands Sandbox Spill | 0.0 |
| D1 | BVMWC River PU (USGS) | 16.4 |
| 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 | 1.2 |
| L1 | SCE SAR AVM (SCADA) | 0.0 |
| X1 | SAR-MC Spread (Red. Aqueduct) | 0.0 |

| | SOD Release Subtotal | |
|---|---|---|
| D1 | BVMWC River PU (USGS) | 16.4 |
| E1 | Main River Gage (USGS) | 23.4 |
| | **minus** | |
| F1 | Greenspot Spill | 0.0 |
| Z1 | **SOD Release Subtotal** | **39.8** |

| | | |
|---|---|---|
| W | Observation at SOD | NR |
| X | SOD Reservoir Elevation (scada) | 2188.3 |
| 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) | 16.4 |
| E1 | Main River Gage (USGS) | 23.4 |
| D1a | BV Pick-Up gated | |
| A5 | **Total SAR Inflows** | **39.8** |

| 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 | 9.4 |
| I2 | **Tailrace Pipeline** | **9.4** |

| | Irrigation | |
|---|---|---|
| D2 | Boullioun Box Weir | 0.0 |
| R1 | BVMWC Highline to Boullioun | 0.0 |
| N | BVMWC Boullioun Box | 6.1 |
| | **minus** | |
| B2 | Gay Overflow | 2.5 |
| C2 | **Irrigation** | 3.6 |

| | SBVWCD Parshall FlumeTo Basins | |
|---|---|---|
| J2 | Tailrace Valve to Parshall Flume | 0.0 |
| K2 | Northfork Parshall Flume | 9.4 |
| H1 | SBVWCD Diversion | 23.4 |
| | Sedimentation Basin Recharge | 0.0 |
| L2 | **SBVWCD Parshall Flume** | **32.8** |
| | **Parshall Flume (SCADA)** | **32.4** |

| | Deliveries | |
|---|---|---|
| V1 | SAR PH #3 Afterbay Spill | 0.0 |
| W1 | Redlands Aqueduct / Sandbox | 7.5 |
| Y1 | Redlands Sandbox Spill | 0.0 |
| Z2 | Cuttle Weir To River | 0.0 |
| B1 | BVMWC Highline | 0.0 |
| C1 | Greenspot Pipeline | 0.0 |
| I2 | Tailrace Pipeline | 9.4 |
| L2 | SBVWCD Parshall Flume | 32.8 |
| L2 | Sedimentation Recharge | 0.0 |
| | **minus** | |
| J2 | Tailrace Valve to Parshall Flume | 0.0 |
| K2 | Northfork Parshall Flume | 9.4 |
| I1 | Redlands Tunnel | 0.5 |
| N2 | **Total SAR Deliveries** | **39.8** |

## Mill Creek Inflows

| | Total MC Inflows | |
|---|---|---|
| A3 | RPU Flow | 7.9 |
| B3 | M/C #3 Penstock | 12.6 |
| C3 | SBVWCD Mill Creek Diversion | 0.0 |
| D3 | **Total MC Inflows** | **20.5** |

| | *Other* | |
|---|---|---|
| E3 | M/C #1 Penstock Flow | 20.5 |
| F3 | Stream Parshall Flume to Yucaipa | 0.0 |
| G3 | Observation at Garnet | 5.0 |

## 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 | 0.0 |
| L3 | East Weir Recharge (MC) | 0.0 |
| M3 | BVHL (SAR) | 0.0 |
| X1 | SAR-MC Spread (Red. Aqueduct) | 0.0 |
| O3 | **SBVWCD MC Spreading** | **0.0** |

| | MC #1 Flow (Cooley Hat) | |
|---|---|---|
| P3 | Tate Inflow | 12.5 |
| Q3 | East Weir to Mill Creek | 2.0 |
| S3 | East Weir to Zanja | 6.0 |
| T3 | **MC #1 Flow (Cooley Hat)** | **20.5** |
| N3 | **Cooley Hat (SCADA)** | **21.5** |

| | Total MC Deliveries | |
|---|---|---|
| C3 | SBVWCD Mill Creek Diversion | 0.0 |
| T3 | Mill Creek #1 Flow (Cooley Hat) | 20.5 |
| U3 | **Total MC Deliveries** | **20.5** |

| | Other | |
|---|---|---|
| H3 | Mentone Reservoir Level | 18.2 |
| R3 | Boullioun to BVMWC Highline | 0.0 |
| V3 | Zanja West Weir to CWC Canal | 3.7 |
| W3 | Mill Creek PH #2,3 Afterbay Spill | 0.0 |
| Y3 | Crafton Reservoir Level (21.3) | 17.5 |

## SBVWCD Recharge

| | Location | Type |
|---|---|---|
| A4 | Santa Ana River | SAR |
| M4 | Santa Ana Rvr to Mill Creek | SAR-MC |
| | Santa Ana Rvr to Mill Creek | SWP |
| B4 | Santa Ana River | SWP |
| C4 | Mill Creek | MC |
| D4 | Mill Creek | SWP |
| | Plunge Creek | PLC |

| | Previous Day (AF) | |
|---|---|---|
| E4 | 63.3 | |
| N4 | 0.0 | |
| | 0.0 | |
| F4 | 65.5 | |
| G4 | 0.0 | |
| H4 | 21.8 | |
| | 2.0 | |

| | WY To Date (AF) | Target |
|---|---|---|
| I4 | 584.2 | 176,000 |
| O4 | 0.0 | |
| | 0.0 | |
| J4 | 608.2 | |
| K4 | 38.2 | 106,000 |
| L4 | 59.0 | |
| | 23.1 | |

| | Calendar Year To Date (AF) | Target |
|---|---|---|
| I4 | 22,029.0 | 176,000 |
| O4 | 325.9 | |
| | 286.5 | |
| J4 | 1,404.5 | |
| K4 | 12,101.4 | 106,000 |
| L4 | **8,132.5** | |
| | 1,358.1 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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) | 9 |
| Flow in the River Above Alabama | 5 | Flowing Beyond Alabama | 0 | Total River Flow (cfs) | 5 | Total River Recharge (AF) | 9 |