

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 4/4/2023  
 Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	221.7
<b>N2</b>	<b>Total SAR Deliveries</b>	221.7
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	165.0
G2	North Fork Canal Weir	2.5
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	14.2
z2	Cuttle Weir to River	40.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	78.4
<b>U3</b>	<b>Total MC Deliveries</b>	78.4
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	69.7
T3	MC #1 Flow (Cooley Hat)	15.4

State Water Project		Flow Rate (cfs)
<b>G</b>	<b>Total SWP Inflows</b>	27.6
<b>V</b>	<b>Total SWP Deliveries</b>	27.6
J	Northfork Canal	0.0
L	Redlands Aqueduct	3.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2209.5
Crafton Reservoir Level (21.3)	15.2
Mentone Reservoir Level	17.7

River Recharge	AF
Estimate SAR Recharge (AF)	7
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	7

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	23,784	176,000
Santa Ana River to Mill Creek	SAR-MC	1,225	0
Santa Ana River	SWP	128	0
Mill Creek	MC	4,011	106,000
Mill Creek	SWP	679	0
Plunge Creek	PLC	2,018	0

Notes: Numbers on the Daily Flow Report are a snapshot of water at a given location at the time of the read, normally very early in the morning.

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 4/4/2023  
Time: 6:50:00 AM

### State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	1.1	H	EVWD City Creek	3.2	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	1.1	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	20.1
D	Purchased Water	3.2	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	3.2	R	Tate Treatment Plant	0.0	V	<b>Total SWP Deliveries</b>	<b>27.6</b>
F	Recharge Project	23.3									
G	<b>Total SWP Inflows</b>	<b>27.6</b>									

### Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	2.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	29.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	192.0	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	minus		C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	13.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	29.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>0.0</b>	Z1	<b>SOD Release Subtotal</b>	<b>221.7</b>	E1	Main River Gage (USGS)	192.0
W1	Redlands Aqueduct / Sandbox	15.2							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	<b>Total SAR Inflows</b>	<b>221.7</b>
minus			Other			W	Observation at SOD	2209.5	Edison Generation		
D1	BVMWC River PU (USGS)	29.7	J1	Big Bear Lake Release	0.3	X	SOD Reservoir Elevation (scada)	2208.8	SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	1.0	L1	SCE SAR AVM (SCADA)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating	<input type="checkbox"/>	
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>0.0</b>	X1	SAR-MC Spread (Red. Aqueduct)	1.0						
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	2.5	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	13.0	W1	Redlands Aqueduct / Sandbox	15.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	152.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	13.0	Sedimentation Basin Recharge		0.0	Z2	Cuttle Weir to River	40.0
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>15.5</b>	L2	<b>SBVWCD Parshall Flume</b>	<b>165.0</b>	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0	Irrigation				<b>Parshall Flume (SCADA)</b>	<b>66.6</b>	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	D2	Boullioun Box Weir	0.0				I2	Tailrace Pipeline	15.5
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	165.0
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	N	BVMWC Boullioun Box	1.1				L2	Sedimentation Recharge	0.0
			minus						minus		
			B2	Gay Overflow	1.8				J2	Tailrace Valve to Parshall Flume	0.0
			C2	<b>Irrigation</b>	<b>-0.7</b>				K2	Northfork Parshall Flume	13.0
									I1	Redlands Tunnel	1.0
									N2	<b>Total SAR Deliveries</b>	<b>221.7</b>

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	15.4
B3	M/C #3 Penstock	15.4	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	63.0	G3	Observation at Garnet	2.0
D3	<b>Total MC Inflows</b>	<b>78.4</b>			

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	7.8	C3	SBVWCD Mill Creek Diversion	63.0	H3	Mentone Reservoir Level	17.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	5.7	T3	Mill Creek #1 Flow (Cooley Hat)	15.4	R3	Boullioun to BVMWC Highline	0.0
K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	1.9	U3	<b>Total MC Deliveries</b>	<b>78.4</b>	V3	Zanja West Weir to CWC Canal	1.4
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>15.4</b>				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	<b>Cooley Hat (SCADA)</b>	<b>15.9</b>				Y3	Crafton Reservoir Level (21.3)	15.2
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	63.0									
L3	East Weir (MC)	5.7									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	1.0									
O3	<b>SBVWCD MC Spreading</b>	<b>69.7</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	347.1	I4	23,784.1	176,000	I4	23,296.5	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4		O4	1,224.5		O4	1,040.9	
B4	Santa Ana River	SWP	F4	4.2	J4	128.2		J4	128.2	
C4	Mill Creek	MC	G4	119.0	K4	4,011.0	106,000	K4	3,386.2	106,000
D4	Mill Creek	SWP	H4	32.0	L4	679.4		L4	<b>679.4</b>	
	Plunge Creek	PLC		7.9		2,017.7			1,896.2	
SAR Passing Cuttle Weir (cfs)	40		Share of Lost SAR Flow	28.571	Estimate SAR flow (cfs)	11		Estimate SAR Recharge (AF)	7	
Mill Creek Passing Garnet (cfs)	2		Share of Lost Mill Creek Flow	1	Estimate Mill Creek flow (cfs)	1		Estimate Mill Creek Recharge (AF)	0	
Flow in the River Above Alabama	42		Flowing Beyond Alabama	30	Total River Flow (cfs)	12		Total River Recharge (AF)	7	