

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 3/21/2023  
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	328.4
<b>N2</b>	<b>Total SAR Deliveries</b>	328.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	1.3
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	164.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	13.1
Z2	Cuttle Weir to River	150.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	0.0
<b>U3</b>	<b>Total MC Deliveries</b>	0.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	7.7
T3	MC #1 Flow (Cooley Hat)	0.0

State Water Project		Flow Rate (cfs)
<b>G</b>	<b>Total SWP Inflows</b>	33.0
<b>V</b>	<b>Total SWP Deliveries</b>	33.0
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2226.0
Crafton Reservoir Level (21.3)	17.1
Mentone Reservoir Level	18.0

River Recharge	AF
Estimate SAR Recharge (AF)	291
Estimate Mill Creek Recharge (AF)	67
Estimated Total River Recharge (AF)	357

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	18,994	176,000
Santa Ana River to Mill Creek	SAR-MC	1,153	0
Santa Ana River	SWP	42	0
Mill Creek	MC	2,567	106,000
Mill Creek	SWP	403	0
Plunge Creek	PLC	1,647	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.

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### State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	0.0	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	0.0	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	30.0
D	Purchased Water	3.0	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>33.0</b>
F	Recharge Project	30.0		Redlands Aqueduct Spreading	3.0						
G	<b>Total SWP Inflows</b>	<b>33.0</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)	25.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	1.3	E1	Main River Gage (USGS)	301.5	B1	BVMWC Highline	1.3
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	12.5	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	25.6
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>1.3</b>	Z1	<b>SOD Release Subtotal</b>	<b>327.1</b>	E1	Main River Gage (USGS)	301.5
W1	Redlands Aqueduct / Sandbox	13.9							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	<b>Total SAR Inflows</b>	<b>328.4</b>
	minus										
D1	BVMWC River PU (USGS)	25.6				W	Observation at SOD	2226.0			
I1	Redlands Tunnel	0.8	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2224.9			
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>0.0</b>	X1	SAR-MC Spread (Red. Aqueduct)	7.7	Y	Debris Pool Elevation	N/A			
K1	<b>PH3# Penstock (SCADA)</b>	<b>0.0</b>									

Edison Generation	
SAR PH#1 Generating	<input type="checkbox"/>
SAR PH#3 Generating	<input type="checkbox"/>

### 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	12.5	W1	Redlands Aqueduct / Sandbox	13.9
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	151.5	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	12.5		Sedimentation Basin Recharge	0.0	Z2	Cuttle Weir To River	150.0
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>12.5</b>	L2	<b>SBVWCD Parshall Flume</b>	<b>164.0</b>	B1	BVMWC Highline	1.3
R1	BVMWC Highline to Boullioun	0.0					Parshall Flume (SCADA)	66.6	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0							I2	Tailrace Pipeline	12.5
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	164.0
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>							L2	Sedimentation Recharge	0.0
										minus	
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	12.5
									I1	Redlands Tunnel	0.8
									N2	<b>Total SAR Deliveries</b>	<b>328.4</b>

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	95.0
D3	<b>Total MC Inflows</b>	<b>0.0</b>			

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentore Reservoir Level	18.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	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>0.0</b>	V3	Zanja West Weir to CWC Canal	0.0
									W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	17.1

### SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	347.6	I4	18,994.0	176,000	I4	18,506.5	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	9.7	O4	1,153.1		O4	969.6	
B4	Santa Ana River	SWP	F4	6.0	J4	42.3		J4	42.3	
C4	Mill Creek	MC	G4	67.7	K4	2,567.0	106,000	K4	1,942.3	106,000
D4	Mill Creek	SWP	H4	60.1	L4	403.1		L4	403.1	
	Plunge Creek	PLC		19.8		1,646.8			1,560.3	

SAR Passing Cuttle Weir (cfs)	150	Share of Lost SAR Flow	92	Estimate SAR flow (cfs)	150	Estimate SAR Recharge (AF)	291
Mill Creek Passing Garnet (cfs)	95	Share of Lost Mill Creek Flow	58	Estimate Mill Creek flow (cfs)	95	Estimate Mill Creek Recharge (AF)	67
Flow in the River Above Alabama	180	Flowing Beyond Alabama	110	Total River Flow (cfs)	245	Total River Recharge (AF)	357