

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 1/11/2024  
Time: 7:00:00 AM

### 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	61.7	N	BVMWC Boullioun Box	3.1	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	0.0
D	Purchased Water	3.1	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	8.3	R	Tate Treatment Plant	0.0	V	<b>Total SWP Deliveries</b>	<b>73.1</b>
F	Recharge Project	70.0									
G	<b>Total SWP Inflows</b>	<b>73.1</b>									

### Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	5.1	A2	Newport	0.0	D1	BVMWC River PU (USGS)	22.4	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	27.4	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	2.6	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	22.4
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>49.8</b>	E1	Main River Gage (USGS)	27.4
W1	Redlands Aqueduct / Sandbox	15.2	<b>Other</b>					D1a	BV Pick-Up gated	-	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.9	w	Observation at SOD	2206.1	A5	<b>Total SAR Inflows</b>	<b>49.8</b>
<b>Minus</b>			L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2205.3	<b>Edison Generation</b>		
D1	BVMWC River PU (USGS)	22.4	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A	SAR PH#1 Generating		
I1	Redlands Tunnel	0.5							SAR PH#3 Generating		
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>0.0</b>									
K1	<b>PH#3 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	5.1	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	2.6	W1	Redlands Aqueduct / Sandbox	15.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	27.4	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	2.6	<b>minus</b>		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>7.7</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				I2	Tailrace Pipeline	7.7
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	30.0
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	N	BVMWC Boullioun Box	3.1				L2	Sedimentation Recharge	0.0
			<b>minus</b>					<b>minus</b>			
			B2	Gay Overflow	2.6				J2	Tailrace Valve to Parshall Flume	0.0
			C2	<b>Irrigation</b>	<b>0.5</b>				K2	Northfork Parshall Flume	2.6
									I1	Redlands Tunnel	0.5
									N2	<b>Total SAR Deliveries</b>	<b>49.8</b>

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	5.7	E3	M/C #1 Penstock Flow	20.6
B3	M/C #3 Penstock	14.9	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	<b>Total MC Inflows</b>	<b>20.6</b>			

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	8.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	18.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	12.3	T3	Mill Creek #1 Flow (Cooley Hat)	20.6	R3	Boullioun to BVMWC Highline	0.0
K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	0.3	U3	<b>Total MC Deliveries</b>	<b>20.6</b>	V3	Zanja West Weir to CWC Canal	0.0
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>20.6</b>				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	<b>Cooley Hat (SCADA)</b>	<b>19.5</b>				Y3	Crafton Reservoir Level (21.3)	18.4
<b>SBVWCD MC Spreading</b>											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir Recharge (MC)	12.3									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	<b>SBVWCD MC Spreading</b>	<b>12.3</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	81.3	I4	8,251.5	176,000	I4	641.1	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	6.5		O4	0.0		
	Santa Ana Rvr to Mill Creek	SWP		12.3		1,491.8			82.4		
B4	Santa Ana River	SWP	F4	117.2	J4	4,044.6		J4	714.6		
C4	Mill Creek	MC	G4	23.8	K4	430.6	106,000	K4	221.6	106,000	
D4	Mill Creek	SWP	H4	12.1	L4	6,201.8		L4	<b>572.2</b>		
	Plunge Creek	PLC		2.0		39.3			17.7		
	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)	0		Share of Lost Mill Creek Flow	0		Estimate Mill Creek flow (cfs)	0		Estimate Mill Creek Recharge (AF)	0
	Flow in the River Above Alabama	0		Flowing Beyond Alabama	0		Total River Flow (cfs)	0		Total River Recharge (AF)	0