

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 6/24/2020  
Time: 7:00:00 AM

### State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.9	M	Crafton Unger Lane	3.9	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	0.0
D	Purchased Water	7.8	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>7.8</b>
F	Recharge Project	0.0									
G	<b>Total SWP Inflows</b>	<b>7.8</b>									

### Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	5.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	33.0	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	6.8	E1	Main River Gage (USGS)	0.5	B1	BVMWC Highline	6.8
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	5.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	2.9	D1	BVMWC River PU (USGS)	33.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>6.8</b>	Z1	<b>SOD Release Subtotal</b>	<b>30.6</b>	E1	Main River Gage (USGS)	0.5
W1	Redlands Aqueduct / Sandbox	22.7							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	<b>Total SAR Inflows</b>	<b>40.3</b>
	<b>minus</b>										
D1	BVMWC River PU (USGS)	33.0				w	Observation at SOD	2160.8			
I1	Redlands Tunnel	0.2	J1	Big Bear Lake Release	0.8	x	SOD Reservoir Elevation (scada)	2160.9			
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>0.0</b>	L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A			
K1	<b>PH3# Penstock (SCADA)</b>	<b>N/A</b>	X1	SAR-MC Spread (Red. Aqueduct)	0.0						

  

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	SBCFCD Grove	0.0	G2	Northfork Canal Weir	5.5	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	5.0	W1	Redlands Aqueduct / Sandbox	22.7
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.5	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	5.0		<b>minus</b>		Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>10.5</b>		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	6.8
R1	BVMWC Highline to Boullioun	0.0				L2	<b>SBVWCD Parshall Flume</b>	<b>5.5</b>	C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0					<b>Parshall Flume (SCADA)</b>	<b>5.5</b>	I2	Tailrace Pipeline	10.5
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	5.5
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>								<b>minus</b>	
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	5.0
									I1	Redlands Tunnel	0.2
									N2	<b>Total SAR Deliveries</b>	<b>40.3</b>

  

Irrigation		
D2	Boullioun Box Weir	6.8
N	BVMWC Boullioun Box	0.0
	<b>minus</b>	
B2	Gay Overflow	2.8
C2	<b>Irrigation</b>	<b>4.0</b>

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	14.5	E3	M/C #1 Penstock Flow	14.5
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	1.0	G3	Observation at Garnet	0.0
D3	<b>Total MC Inflows</b>	<b>15.5</b>			

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.0	C3	SBVWCD Mill Creek Diversion	1.0	H3	Mentone Reservoir Level	21.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.6	T3	Mill Creek #1 Flow (Cooley Hat)	14.5	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>15.5</b>	V3	Zanja West Weir to CWC Canal	3.4
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>14.5</b>				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	<b>Cooley Hat (SCADA)</b>	<b>19.0</b>				Y3	Crafton Reservoir Level (21.3)	14.2

  

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	1.0
L3	East Weir (MC)	0.6
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	<b>SBVWCD MC Spreading</b>	<b>1.6</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	10.9	I4	15,264.4	176,000	I4	12,805.5	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	1,956.1		O4	1,594.7	
B4	Santa Ana River	SWP	F4	0.0	J4	3,890.4		J4	0.0	
C4	Mill Creek	MC	G4	2.4	K4	5,248.8	106,000	K4	4,064.8	106,000
D4	Mill Creek	SWP	H4	0.0	L4	0.0		L4	0.0	
	Redlands	SWP		0.0		0.0			0.0	
	Loma Linda	SWP		0.0		0.0			0.0	
	East Valley	SWP		0.0		0.0			0.0	
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	