

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 4/23/2021

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	93.2
<b>N2</b>	<b>Total SAR Deliveries</b>	93.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.9
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	60.0
G2	North Fork Canal Weir	4.6
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	22.7
v1	PH3 Afterbay Spill Loss to SAR	1.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	14.9
<b>U3</b>	<b>Total MC Deliveries</b>	14.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	14.9

State Water Project		Flow Rate (cfs)
<b>G</b>	<b>Total SWP Inflows</b>	4.5
<b>V</b>	<b>Total SWP Deliveries</b>	4.5
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	2181.7
Crafton Reservoir Level (21.3)	19.6
Mentone Reservoir Level	20.8

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,470	176,000
Santa Ana River to Mill Creek	SAR-MC	394	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,502	106,000
Mill Creek	SWP	0	0
Plunge Creek	PLC	107	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, and not necessarily what is at that location throughout the day. The water recorded @ the PH# 3 Afterbay spillloss to SAR is from a pipe leak.

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State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	0.0	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	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	4.5	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	<b>Total SWP Deliveries</b>	<b>4.5</b>
F	Recharge Project	0.0									
G	<b>Total SWP Inflows</b>	<b>4.5</b>									

Santa Ana River Inflows											
<b>SAR PH #3 Penstock (calc)</b>		<b>BVMWC Highline</b>		<b>SOD Release Subtotal</b>		<b>Total SAR Inflows</b>					
G2	Northfork Canal Weir	4.6	A2	Newport	0.0	D1	BVMWC River PU (USGS)	44.3	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	4.9	E1	Main River Gage (USGS)	44.0	B1	BVMWC Highline	4.9
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	16.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	44.3
V1	PH#3 Afterbay SpillLoss to SAR	1.0	B1	<b>BVMWC Highline</b>	<b>4.9</b>	Z1	<b>SOD Release Subtotal</b>	<b>88.3</b>	E1	Main River Gage (USGS)	44.0
W1	Redlands Aqueduct / Sandbox	23.0	<b>Other</b>			w	Observation at SOD	2181.7	D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.8	x	SOD Reservoir Elevation (scada)	N/A	A5	<b>Total SAR Inflows</b>	<b>93.2</b>
			L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	<b>Edison Generation</b>		
D1	BVMWC River PU (USGS)	44.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.3							SAR PH#3 Generating	<input type="checkbox"/>	
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>0.0</b>									
K1	<b>PH3# Penstock (SCADA)</b>	<b>N/A</b>									

Santa Ana River Deliveries											
<b>Greenspot Pipeline</b>		<b>Tailrace Pipeline</b>		<b>SBVWCD Parshall Flume To Basins</b>		<b>Deliveries</b>					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	4.6	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	1.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	16.0	W1	Redlands Aqueduct / Sandbox	23.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	44.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	16.0	minus			Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>20.6</b>		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	4.9
R1	BVMWC Highline to Boullioun	0.0	<b>Irrigation</b>			L2	<b>SBVWCD Parshall Flume</b>	<b>60.0</b>	C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0	D2	Boullioun Box Weir	4.9	<b>Parshall Flume (SCADA)</b>		<b>57.1</b>	I2	Tailrace Pipeline	20.6
T1	Tate Pump Station to Zanja	0.0	N	BVMWC Boullioun Box	0.0				L2	SBVWCD Parshall Flume	60.0
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	minus						minus		
			B2	Gay Overflow	2.6				J2	Tailrace Valve to Parshall Flume	0.0
			C2	<b>Irrigation</b>	<b>2.3</b>				K2	Northfork Parshall Flume	16.0
									I1	Redlands Tunnel	0.3
									N2	<b>Total SAR Deliveries</b>	<b>93.2</b>

Mill Creek Inflows					
<b>Total MC Inflows</b>		<b>Other</b>			
A3	RPU Flow	7.9	E3	M/C #1 Penstock Flow	14.9
B3	M/C #3 Penstock	7.0	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>14.9</b>			

Mill Creek Deliveries											
<b>Yucaipa Pipeline</b>		<b>MC #1 Flow (Cooley Hat)</b>		<b>Total MC Deliveries</b>		<b>Other</b>					
	Yucaipa Regional Park	0.0	P3	Tate Inflow	10.3	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	14.9	R3	Boullioun to BVMWC Highline	0.0
K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	4.6	U3	<b>Total MC Deliveries</b>	<b>14.9</b>	V3	Zanja West Weir to CWC Canal	1.2
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>14.9</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)	19.6
<b>SBVWCD MC Spreading</b>											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	<b>SBVWCD MC Spreading</b>	<b>0.0</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	133.7	I4	2,469.9	176,000	I4	1,745.5	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	393.8		O4	328.8		
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0		
C4	Mill Creek	MC	G4	0.0	K4	1,502.4	106,000	K4	730.5	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	0.0		L4	0.0		
	Plunge Creek	PLC		0.0		106.5			106.5		
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