

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 2/11/2021

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	13.1
<b>N2</b>	<b>Total SAR Deliveries</b>	13.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	5.7
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.4
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	5.0
	Other	0.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	16.5
<b>U3</b>	<b>Total MC Deliveries</b>	16.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	4.0
T3	MC #1 Flow (Cooley Hat)	16.5

State Water Project		Flow Rate (cfs)
<b>G</b>	<b>Total SWP Inflows</b>	3.9
<b>V</b>	<b>Total SWP Deliveries</b>	3.9
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	N/A
Crafton Reservoir Level (21.3)	17.6
Mentone Reservoir Level	20.7

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	1,017	176,000
Santa Ana River to Mill Creek	SAR-MC	335	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,144	106,000
Mill Creek	SWP	0	0
Plunge Creek	PLC	44	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.

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Time: 7:00:00 AM

State Water Project					
Inflows		Deliveries			
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.9
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0
D	Purchased Water	3.9	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	<b>Total SWP Inflows</b>	<b>3.9</b>	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			W	Tres Lagos	0.0
			V	<b>Total SWP Deliveries</b>	<b>3.9</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	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	6.9	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	5.7	E1	Main River Gage (USGS)	0.5	B1	BVMWC Highline	5.7	
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boulliou Box to Zanja	0.0	minus		C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	1.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	3.0	D1	BVMWC River PU (USGS)	6.9	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>5.7</b>	Z1	<b>SOD Release Subtotal</b>	<b>4.4</b>	E1	Main River Gage (USGS)	0.5	
W1	Redlands Aqueduct / Sandbox	5.3	<b>Other</b>				D1a	BV Pick-Up gated	<input type="checkbox"/>	A5	<b>Total SAR Inflows</b>	<b>13.1</b>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.9	w	Observation at SOD	N/A	<b>Edison Generation</b>			
D1	BVMWC River PU (USGS)	6.9	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2170.6	SAR PH#1 Generating			<input type="checkbox"/>
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)	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>										
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	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	1.9	W1	Redlands Aqueduct / Sandbox	5.3
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	1.9	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>1.9</b>	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	5.7	
R1	BVMWC Highline to Boulliou	0.0	<b>Irrigation</b>		L2	<b>SBVWCD Parshall Flume</b>	<b>2.4</b>	C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boulliou	0.0	D2	Boulliou Box Weir	5.7	<b>Parshall Flume (SCADA)</b>		<b>3.4</b>	I2	Tailrace Pipeline	1.9
T1	Tate Pump Station to Zanja	0.0	N	BVMWC Boulliou Box	0.0	minus		L2	SBVWCD Parshall Flume	2.4	
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	minus		J2	Tailrace Valve to Parshall Flume	0.0	K2	Northfork Parshall Flume	1.9	
			B2	Gay Overflow	3.1	I1	Redlands Tunnel	0.3	N2	<b>Total SAR Deliveries</b>	<b>13.1</b>
			C2	<b>Irrigation</b>	<b>2.6</b>						

Mill Creek Inflows					
<b>Total MC Inflows</b>		<b>Other</b>			
A3	RPU Flow	9.2	E3	M/C #1 Penstock Flow	16.5
B3	M/C #3 Penstock	7.3	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>16.5</b>			

Mill Creek Deliveries											
<b>Yucaipa Pipeline</b>		<b>MC #1 Flow (Cooley Hat)</b>		<b>Total MC Deliveries</b>		<b>Other</b>					
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.7
K3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	4.0	T3	Mill Creek #1 Flow (Cooley Hat)	16.5	R3	Boulliou to BVMWC Highline	0.0
	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	0.0	U3	<b>Total MC Deliveries</b>	<b>16.5</b>	V3	Zanja West Weir to CWC Canal	0.0
<b>SBVWCD MC Spreading</b>		<b>MC #1 Flow (Cooley Hat)</b>		<b>Cooley Hat (SCADA)</b>		<b>W3</b>		W3	Mill Creek PH #2,3 Afterbay Spill	0.0	
C3	SBVWCD Mill Creek Diversion	0.0	T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>16.5</b>	<b>Y3</b>		Y3	Crafton Reservoir Level (21.3)	17.6	
L3	East Weir (MC)	4.0	N3	<b>Cooley Hat (SCADA)</b>	<b>19.1</b>						
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	<b>SBVWCD MC Spreading</b>	<b>4.0</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	6.3	I4	1,017.4	176,000	I4	293.1	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	334.8		O4	269.8		
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0		
C4	Mill Creek	MC	G4	7.9	K4	1,143.6	106,000	K4	371.7	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	0.0		L4	0.0		
	Plunge Creek	PLC		0.0		43.7			43.7		
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