

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 2/19/2021

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	17.4
<b>N2</b>	<b>Total SAR Deliveries</b>	17.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	5.9
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.3
G2	North Fork Canal Weir	2.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	7.2
	Other	0.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	15.8
<b>U3</b>	<b>Total MC Deliveries</b>	15.8
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	2.6
T3	MC #1 Flow (Cooley Hat)	15.8

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	2177.0
Crafton Reservoir Level (21.3)	17.8
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	1,030	176,000
Santa Ana River to Mill Creek	SAR-MC	378	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,191	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 Boullioun 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>	
G2	Northfork Canal Weir	2.0	A2	Newport	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	5.9
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0
K2	Northfork Parshall Flume	2.0	F2	SBVWCD Mill Creek Spreading	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>5.9</b>
W1	Redlands Aqueduct / Sandbox	7.5	<b>Other</b>		
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.9
			L1	SCE SAR AVM (SCADA)	0.0
D1	BVMWC River PU (USGS)	11.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0
I1	Redlands Tunnel	0.3			
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>0.0</b>	w	Observation at SOD	2177.0
K1	<b>PH3# Penstock (SCADA)</b>	<b>N/A</b>	x	SOD Reservoir Elevation (scada)	2176.4
			y	Debris Pool Elevation	N/A
			<b>Total SAR Inflows</b>		
			A1	SAR PH #3 Penstock (calc)	0.0
			B1	BVMWC Highline	5.9
			C1	Greenspot Pipeline	0.0
			D1	BVMWC River PU (USGS)	11.2
			E1	Main River Gage (USGS)	0.3
			D1a	BV Pick-Up gated	<input type="checkbox"/>
			A5	<b>Total SAR Inflows</b>	<b>17.4</b>
			<b>Edison Generation</b>		
			SAR PH#1 Generating <input type="checkbox"/>		
			SAR PH#3 Generating <input type="checkbox"/>		

Santa Ana River Deliveries					
<b>Greenspot Pipeline</b>		<b>Tailrace Pipeline</b>		<b>SBVWCD Parshall Flume To Basins</b>	
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	2.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	2.0
Q1	Crafton WC Unger Lane	0.0	H1	SBVWCD Diversion	0.3
R1	BVMWC Highline to Boullioun	0.0	<b>minus</b>		
S1	Crafton WC Boullioun	0.0		Sedimentation Basin Recharge	0.0
T1	Tate Pump Station to Zanja	0.0	L2	<b>SBVWCD Parshall Flume</b>	<b>2.3</b>
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	<b>Parshall Flume (SCADA)</b>		
			<b>2.4</b>		
			<b>Deliveries</b>		
			V1	SAR PH #3 Afterbay Spill	0.0
			W1	Redlands Aqueduct / Sandbox	7.5
			Y1	Redlands Sandbox Spill	0.0
			Z2	Cuttle Weir To River	0.0
			B1	BVMWC Highline	5.9
			C1	Greenspot Pipeline	0.0
			I2	Tailrace Pipeline	4.0
			L2	SBVWCD Parshall Flume	2.3
			<b>minus</b>		
			J2	Tailrace Valve to Parshall Flume	0.0
			K2	Northfork Parshall Flume	2.0
			I1	Redlands Tunnel	0.3
			N2	<b>Total SAR Deliveries</b>	<b>17.4</b>

Mill Creek Inflows					
<b>Total MC Inflows</b>		<b>Other</b>			
A3	RPU Flow	8.4	E3	M/C #1 Penstock Flow	15.8
B3	M/C #3 Penstock	7.4	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>15.8</b>			

Mill Creek Deliveries						
<b>Yucaipa Pipeline</b>		<b>MC #1 Flow (Cooley Hat)</b>		<b>Total MC Deliveries</b>		
	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.0	
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	2.6	
K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	1.2	
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>15.8</b>	
			N3	<b>Cooley Hat (SCADA)</b>	<b>18.2</b>	
<b>SBVWCD MC Spreading</b>						
C3	SBVWCD Mill Creek Diversion	0.0	C3	SBVWCD Mill Creek Diversion	0.0	
L3	East Weir (MC)	2.6	T3	Mill Creek #1 Flow (Cooley Hat)	15.8	
M3	BVHL (SAR)	0.0	U3	<b>Total MC Deliveries</b>	<b>15.8</b>	
X1	SAR-MC Spread (Red. Aqueduct)	0.0				
O3	<b>SBVWCD MC Spreading</b>	<b>2.6</b>			<b>Other</b>	
			H3		Mentone Reservoir Level	20.8
			R3		Boullioun to BVMWC Highline	0.0
			V3		Zanja West Weir to CWC Canal	0.3
			W3		Mill Creek PH #2,3 Afterbay Spill	0.0
			Y3		Crafton Reservoir Level (21.3)	17.8

SBVWCD Recharge											
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	4.6	I4	1,029.6	176,000	I4	305.2	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	377.6		O4	312.6		
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0		
C4	Mill Creek	MC	G4	6.7	K4	1,190.7	106,000	K4	418.8	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