

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 12/4/2020

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	28.1
<b>N2</b>	<b>Total SAR Deliveries</b>	28.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	5.5
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	3.3
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	15.5
	Other	0.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	17.3
<b>U3</b>	<b>Total MC Deliveries</b>	17.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	1.9
T3	MC #1 Flow (Cooley Hat)	16.3

State Water Project		Flow Rate (cfs)
<b>G</b>	<b>Total SWP Inflows</b>	4.0
<b>V</b>	<b>Total SWP Deliveries</b>	4.0
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	2159.8
Crafton Reservoir Level (21.3)	16.1
Mentone Reservoir Level	22.7

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	482	176,000
Santa Ana River to Mill Creek	SAR-MC	9	0
Santa Ana River	SWP	0	0
Mill Creek	MC	611	106,000
Mill Creek	SWP	0	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	0	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	4.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	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	4.0	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 4.0</b>	
F	Recharge Project	0.0									
G	<b>Total SWP Inflows</b>	<b>4.0</b>									

### Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows						
G2	Northfork Canal Weir	2.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	22.4	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	5.5	E1	Main River Gage (USGS)	0.2	B1	BVMWC Highline	5.5	
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	<b>minus</b>						
K2	Northfork Parshall Flume	3.1	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	4.9	C1	Greenspot Pipeline	0.0	
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>5.5</b>	Z1	<b>SOD Release Subtotal</b>	<b>17.7</b>	D1	BVMWC River PU (USGS)	22.4	
W1	Redlands Aqueduct / Sandbox	15.6	<b>Other</b>				w	Observation at SOD	2159.8	E1	Main River Gage (USGS)	0.2
Y1	Redlands Sandbox Spill	0.2	J1	Big Bear Lake Release	0.9	x	SOD Reservoir Elevation (scada)	2160.0	D1a	BV Pick-Up gated	<input type="checkbox"/>	
			L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	A5	<b>Total SAR Inflows</b>	<b>28.1</b>	
D1	BVMWC River PU (USGS)	22.4	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>										
K1	<b>PH3# Penstock (SCADA)</b>	<b>0.0</b>										
<b>Edison Generation</b>												
										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	2.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	3.1	W1	Redlands Aqueduct / Sandbox	15.6
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.2	Y1	Redlands Sandbox Spill	0.2
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	3.1	<b>minus</b>					
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>6.9</b>			Z2	Cuttle Weir To River	0.0	
R1	BVMWC Highline to Boullioun	0.0	<b>Irrigation</b>				Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	5.5
S1	Crafton WC Boullioun	0.0	D2	Boullioun Box Weir	5.5	L2	<b>SBVWCD Parshall Flume</b>	<b>3.3</b>	C1	Greenspot Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0	N	BVMWC Boullioun Box	0.0	<b>Parshall Flume (SCADA)</b>		<b>3.7</b>	I2	Tailrace Pipeline	6.9
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	<b>minus</b>						L2	SBVWCD Parshall Flume	3.3
			B2	Gay Overflow	2.1						
			C2	<b>Irrigation</b>	<b>3.4</b>						
<b>Total SAR Deliveries 28.1</b>											

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	9.4	E3	M/C #1 Penstock Flow	16.3
B3	M/C #3 Penstock	6.9	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>17.3</b>			

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.0	C3	SBVWCD Mill Creek Diversion	1.0	H3	Mentone Reservoir Level	22.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.9	T3	Mill Creek #1 Flow (Cooley Hat)	16.3	R3	Boullioun to BVMWC Highline	0.0
K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	3.4	U3	<b>Total MC Deliveries</b>	<b>17.3</b>	V3	Zanja West Weir to CWC Canal	2.0
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>16.3</b>						
			N3	<b>Cooley Hat (SCADA)</b>	<b>19.8</b>						
<b>SBVWCD MC Spreading</b>											
C3	SBVWCD Mill Creek Diversion	1.0									
L3	East Weir (MC)	0.9									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	<b>SBVWCD MC Spreading</b>	<b>1.9</b>									

### SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	6.5	I4	481.9	176,000	I4	14,424.3	176,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	9.0		O4	1,621.0	
B4	Santa Ana River	F4	0.0	J4	0.0		J4	0.0	
C4	Mill Creek	G4	1.8	K4	611.0	106,000	K4	4,800.2	106,000
D4	Mill Creek	H4	0.0	L4	0.0		L4	P	
	Redlands		0.0		0.0			0.0	
	Loma Linda		0.0		0.0			0.0	
	East Valley		0.0		0.0			0.0	
SAR Passing Cuttle Weir (cfs)	0	Share of Lost SAR Flow		Estimate SAR flow (cfs)		0	Estimate SAR Recharge (AF)		0
Mill Creek Passing Garnet (cfs)	0	Share of Lost Mill Creek Flow		Estimate Mill Creek flow (cfs)		0	Estimate Mill Creek Recharge (AF)		0
Flow in the River Above Alabama	0	Flowing Beyond Alabama		Total River Flow (cfs)		0	Total River Recharge (AF)		0