

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report Summary

Date: 8/12/2019

Time: 7:10:00 AM

Santa Ana River		Flow Rate (cfs)
<b>A5</b>	<b>Total SAR Inflows</b>	53.3
<b>N2</b>	<b>Total SAR Deliveries</b>	53.3
A1	SAR PH#3 Penstock (calc)	21.3
B1	BVMWC Highline	4.5
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	17.0
G2	North Fork Canal Weir	2.3
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	28.5
	Other	0.0

Mill Creek		Flow Rate (cfs)
<b>D3</b>	<b>Total MC Inflows</b>	30.8
<b>U3</b>	<b>Total MC Deliveries</b>	30.8
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	30.8

State Water Project		Flow Rate (cfs)
<b>G</b>	<b>Total SWP Inflows</b>	54.9
<b>V</b>	<b>Total SWP Deliveries</b>	54.9
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	2146.1
Crafton Reservoir Level (21.3)	18.5
Mentone Reservoir Level	19.2

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	16
Estimated Total River Recharge (AF)	16

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	34,090	176,000
Santa Ana River to Mill Creek	SAR-MC	267	0
Santa Ana River	SWP	11,660	0
Mill Creek	MC	9,324	106,000
Mill Creek	SWP	8,618	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	134	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.

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 8/12/2019  
Time: 7:10:00 AM

### State Water Project

Inflows		Deliveries										
A	BBMWD In-lieu	0.0	H	EVWD City Creek	9.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0	
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	44.5	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	54.9	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.4	
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	<b>Total SWP Deliveries</b>		<b>54.9</b>
F	Recharge Project	0.0										
G	<b>Total SWP Inflows</b>		<b>54.9</b>									

### Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows						
G2	Northfork Canal Weir	2.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	20.2	A1	SAR PH #3 Penstock (calc)	21.3	
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	4.5	E1	Main River Gage (USGS)	7.3	B1	BVMWC Highline	4.5	
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	9.7	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	2.0	D1	BVMWC River PU (USGS)	20.2	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline 4.5</b>		Z1	<b>SOD Release Subtotal 25.5</b>		E1	Main River Gage (USGS)	7.3	
W1	Redlands Aqueduct / Sandbox	29.0	<b>Other</b>		W	Observation at SOD	2146.1	D1a	BV Pick-Up gated	<input type="checkbox"/>		
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.6	X	SOD Reservoir Elevation (scada)	2151.3	A5	<b>Total SAR Inflows</b>		<b>53.3</b>
D1	BVMWC River PU (USGS)	20.2	L1	SCE SAR AVM (SCADA)	0.0	Y	Debris Pool Elevation	N/A	<b>Edison Generation</b>			
I1	Redlands Tunnel	0.5	X1	SAR-MC Spread (Red. Aqueduct)	0.0	<b>Edison Generation</b>						
A1	<b>SAR PH #3 Penstock (calc) 21.3</b>											
K1	<b>PH3# Penstock (SCADA) N/A</b>											
						<input checked="checked" type="checkbox"/>						
						<input checked="checked" 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	2.3	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0	
N1	BVMWC Highline	0.0	H2	Edwards Canal	1.0	K2	Northfork Parshall Flume	9.7	W1	Redlands Aqueduct / Sandbox	29.0	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	7.3	Y1	Redlands Sandbox Spill	0.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.7	minus			Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline 13.0</b>		L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	4.5	
R1	BVMWC Highline to Boullioun	0.0	<b>Irrigation</b>		D2	Boullioun Box Weir	4.5	C1	Greenspot Pipeline	0.0		
S1	Crafton WC Boullioun	0.0	N	BVMWC Boullioun Box	0.0	minus			L2	SBVWCD Parshall Flume	17.0	
T1	Tate Pump Station to Zanja	0.0	minus		B2	Gay Overflow	3.3	J2	Tailrace Valve to Parshall Flume	0.0		
C1	<b>Greenspot Pipeline 0.0</b>		C2	<b>Irrigation 1.2</b>		minus			K2	Northfork Parshall Flume	9.7	
									I1	Redlands Tunnel	0.5	
									N2	<b>Total SAR Deliveries</b>		<b>53.3</b>

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	11.4	E3	M/C #1 Penstock Flow	30.8
B3	M/C #3 Penstock	19.4	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>30.8</b>		

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
J3	Wilson Creek Spreading	0.0	P3	Tate Inflow	19.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	19.2
K3	<b>Yucaipa Pipeline 0.0</b>		Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	30.8	R3	Boullioun to BVMWC Highline	0.0
				S3	East Weir to Zanja	11.8	U3	<b>Total MC Deliveries</b>		<b>30.8</b>	
				T3	<b>MC #1 Flow (Cooley Hat) 30.8</b>		W3	Mill Creek PH #2,3 Afterbay Spill	0.0		
				N3	<b>Cooley Hat (SCADA) 31.8</b>		Y3	Crafton Reservoir Level (21.3)	18.5		

SBVWCD MC Spreading		
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 0.0</b>	

### SBVWCD Recharge

Location		Previous Day (AF)		WY To Date (AF)		Calendar Year To Date (AF)	
A4	Santa Ana River	E4	123.5	I4	34,090.3	I4	34,019.5
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	267.0	O4	175.5
B4	Santa Ana River	F4	264.8	J4	11,660.2	J4	10,644.9
C4	Mill Creek	G4	0.0	K4	9,324.0	K4	8,711.5
D4	Mill Creek	H4	0.0	L4	8,617.6	L4	8,617.6
	Redlands		0.0		0.0		0.0
	Loma Linda		0.0		0.0		0.0
	East Valley		0.0		134.4		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)	16
Flow in the River Above Alabama	0	Flowing Beyond Alabama	0	Total River Flow (cfs)	0	Total River Recharge (AF)	16