

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 4/17/2017  
Time: 7:30:00 AM

### State Water Project

Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	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 Boulliou 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	0.0	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</b>	<b>0.0</b>
F	Recharge Project	0.0									
G	<b>Total SWP Inflows</b>	<b>0.0</b>									

### Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	9.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.2	A1	SAR PH #3 Penstock (calc)	49.3
H2	Edwards Canal		D2	Boulliou Box Weir	4.6	E1	Main River Gage (USGS)	39.8	B1	BVMWC Highline	4.6
J2	Tailrace Valve to Parshall Flume	25.8	E2	Boulliou Box to Zanja	0.0	minus		C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	4.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	<b>BVMWC Highline</b>	<b>4.6</b>	Z1	<b>SOD Release Subtotal</b>	<b>44.0</b>	E1	Main River Gage (USGS)	39.8
W1	Redlands Aqueduct / Sandbox	18.2	Other					D1a	BV Pick-Up gated	<input checked="" type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.4	w	Observation at SOD	2172.2	A5	<b>Total SAR Inflows</b>	<b>93.7</b>
minus			L1	SCE SAR AVM (SCADA)	55.2	x	SOD Reservoir Elevation (scada)	2172.3	Edison Generation		
D1	BVMWC River PU (USGS)	4.2	X1	SAR-MC Spread (Red. Aqueduct)	8.6	y	Debris Pool Elevation	0.0	SAR PH#1 Generating		<input type="checkbox"/>
I1	Redlands Tunnel	0.4						SAR PH#3 Generating		<input checked="" type="checkbox"/>	
A1	<b>SAR PH #3 Penstock (calc)</b>	<b>49.3</b>									
K1	<b>PH3# Penstock (SCADA)</b>	<b>49.3</b>									

### Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	9.9	J2	Tailrace Valve to Parshall Flume	25.8	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	18.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	25.8	H1	SBVWCD Diversion	39.8	Z1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	<b>SBVWCD Parshall Flume</b>	<b>65.6</b>	Y2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	<b>Tailrace Pipeline</b>	<b>35.7</b>		<b>Parshall Flume (SCADA)</b>	<b>65.6</b>	B1	BVMWC Highline	4.6
R1	BVMWC Highline to Boulliou	0.0	Irrigation					C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boulliou	0.0	D2	Boulliou Box Weir	4.6	minus		I2	Tailrace Pipeline	35.7	
T1	Tate Pump Station to Zanja	0.0	minus					L2	SBVWCD Parshall Flume	65.6	
C1	<b>Greenspot Pipeline</b>	<b>0.0</b>	B2	Gay Overflow	1.6	Irrigation		J2	Tailrace Valve to Parshall Flume	25.8	
			C2	<b>Irrigation</b>	<b>3.0</b>			K2	Northfork Parshall Flume	0.0	
								I1	Redlands Tunnel	0.4	
								N2	<b>Total SAR Deliveries</b>	<b>93.7</b>	

### Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	14.1	E3	M/C #1 Penstock Flow	35.6
B3	M/C #3 Penstock	21.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	3.9	G3	Observation at Garnet	0.0
D3	<b>Total MC Inflows</b>	<b>39.5</b>			

### Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	19.6	C3	SBVWCD Mill Creek Diversion	3.9	H3	Mentone Reservoir Level	18.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	6.2	T3	Mill Creek #1 Flow (Cooley Hat)	31.2	R3	Boulliou to BVMWC Highline	0.0
K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	S3	East Weir to Zanja	5.4	W3	Mill Creek PH #2,3 Afterbay Spill	4.4	V3	Zanja West Weir to CWC Canal	2.6
			T3	<b>MC #1 Flow (Cooley Hat)</b>	<b>31.2</b>	U3	<b>Total MC Deliveries</b>	<b>39.5</b>	W3	Mill Creek PH #2,3 Afterbay Spill	4.4
									Y3	Crafton Reservoir Level (21.3)	13.5

  

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	3.9
L3	East Weir (MC)	6.2
M3	BVHL (SAR)	0.0
W3	Mill Creek PH #2,3 Afterbay Spill	4.4
X1	SAR-MC Spread (Red. Aqueduct)	8.6
O3	<b>SBVWCD MC Spreading</b>	<b>23.1</b>

### SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	397.5	I4	17,190.4	166,000	I4	16,287.8	166,000
M4	Santa Ana Rvr to Mill Creek	N4	52.7	O4	1,103.3		O4	940.6	
B4	Santa Ana River	F4	0.0	J4	1,795.9		J4	1,795.9	
C4	Mill Creek	G4	74.1	K4	4,049.2	99,700	K4	3,820.6	99,700
D4	Mill Creek	H4	0.0	L4	203.0		L4	203.0	
	Redlands		0.0		32.9			0.0	
	Loma Linda		0.0		486.6			0.0	
	East Valley		0.0		3,668.4			0.0	
SAR Passing Cuttle Weir (cfs)	0	Share of Lost SAR Flow	0	Estimate SAR flow (cfs)	0	Estimate SAR Recharge (AF)	0	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	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	Total River Recharge (AF)	0