

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 6/17/2016

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.4
N2	Total SAR Deliveries	12.4
A1	SAR PH#3 Penstock (calc)	4.3
B1	BVMWC Highline	5.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	7.4
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	10.7
U3	Total MC Deliveries	10.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	10.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	31.2
V	Total SWP Deliveries	31.2
J	Northfork Canal	9.7
L	Redlands Aqueduct	8.8
M	Crafton Unger Lane	7.0
T	Newport to BVMWC	0.7

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	18.3
Mentone Reservoir Level	20.8

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,619	123,000
Santa Ana River to Mill Creek	SAR-MC	132	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,040	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
EV HQ	SWP	61	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 thruout the day.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 6/17/2016
Time: 6:45:00 AM

State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	M	Crafton Unger Lane	7.0	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	0.7
C	Exchange Water	0.0	J	Northfork Canal	9.7	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	31.2	K	Edwards Canal	0.0	Q	Zanja	0.0	V	EV HQ Irrigation	1.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	8.8	R	Tate Treatment Plant	4.0		Total SWP Deliveries	31.2
F	Recharge Project	0.0									
G	Total SWP Inflows	31.2									

Santa Ana River Inflows												
SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows						
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	3.1	A1	SAR PH #3 Penstock (calc)	4.3	
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	5.0	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	5.0	
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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	3.1	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	5.0	Z1	SOD Release Subtotal	3.1	E1	Main River Gage (USGS)	0.0	
W1	Redlands Aqueduct / Sandbox	7.5							D1a	BV Pick-Up gated	□	
Y1	Redlands Sandbox Spill	0.2	Other		Seven Oaks Dam				A5	Total SAR Inflows	12.4	
	minus		J1	Big Bear Lake Release	1.0	w	Observation at SOD	2134.3				
D1	BVMWC River PU (USGS)	3.1	L1	SCE SAR AVM (SCADA)	10.0	x	SOD Reservoir Elevation (scada)	N/A				
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	0.0				
A1	SAR PH #3 Penstock (calc)	4.3										
K1	PH3# Penstock (SCADA)	3.3										

Santa Ana River Deliveries												
Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries						
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	0.0	W1	Redlands Aqueduct / Sandbox	7.5	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.2	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0	Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	5.0	
R1	BVMWC Highline to Boulliou	0.0							C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boulliou	0.0	Irrigation		minus				I2	Tailrace Pipeline	0.0	
T1	Tate Pump Station to Zanja	0.0	D2	Boulliou Box Weir	5.0				L2	SBVWCD Parshall Flume	0.0	
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	1.1				
						C2	Irrigation	3.9				
									J2	Tailrace Valve to Parshall Flume	0.0	
									K2	Northfork Parshall Flume	0.0	
									I1	Redlands Tunnel	0.3	
									N2	Total SAR Deliveries	12.4	

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	2.8	E3	M/C #1 Penstock Flow	10.7
B3	M/C #3 Penstock	7.9	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	10.7			

Mill Creek Deliveries											
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	8.8	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	10.7	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.9	U3	Total MC Deliveries	10.7	V3	Zanja West Weir to CWC Canal	6.4
			T3	MC #1 Flow (Cooley Hat)	10.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	18.3

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	SBVWCD MC Spreading	0.0			

SBVWCD Recharge										
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	0.0	I4	2,619.3	123,000	I4	2,262.1	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	132.0		O4	132.0	
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0	
C4	Mill Creek	MC	G4	0.0	K4	1,039.9	73,800	K4	852.7	73,800
D4	Mill Creek	SWP	H4	0.0	L4	0.0	714	L4	0	714
	SBVMWD	SWP								
	EV HQ	SWP								
				2.0		61.1			61.1	
SAR Passing Cuttle Weir	0		Share of Lost Flow	0	Estimate SAR Recharge	0				
Mill Creek Passing Garnet	0		Share of Lost Flow	0	Estimate Mill Creek Recharge	0				
Flow in the River Above Alabama	0		Flowing Beyond Alabama	0	Total River Recharge	0				