

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 5/23/2016

Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	17.8
N2	Total SAR Deliveries	17.8
A1	SAR PH#3 Penstock (calc)	9.0
B1	BVMWC Highline	5.9
C1	Greenspot Pipeline	0.0
L2	SBVMWD Parshall Flume	0.9
G2	North Fork Canal Weir	3.9
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	7.1
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	13.4
U3	Total MC Deliveries	13.4
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	13.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	12.1
V	Total SWP Deliveries	12.2
J	Northfork Canal	5.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.2

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	15.9
Mentone Reservoir Level	21.5

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	1,036	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	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 thruout the day.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	5.9	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 Boullioun Box	0.0	T	Newport for BVMWC	0.2
C	Exchange Water	0.0	J	Northfork Canal	5.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	6.2	K	Edwards Canal	0.0	Q	Zanja	0.0	V	EV HQ Irrigation	1.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.0	R	Tate Treatment Plant	0.0		Total SWP Deliveries	12.2
F	Recharge Project	0.0									
G	Total SWP Inflows	12.1									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline		SOD Release Subtotal		Total SAR Inflows				
G2	Northfork Canal Weir	3.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.9	A1	SAR PH #3 Penstock (calc)	9.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	5.9	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	5.9
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	0.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	2.9
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	5.9	Z1	SOD Release Subtotal	2.9	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	7.2	Other		Seven Oaks Dam		D1a	BV Pick-Up gated	<input type="checkbox"/>		
Y1	Redlands Sandbox Spill	0.2	J1	Big Bear Lake Release	0.7	w	Observation at SOD	2134.1	A5	Total SAR Inflows	17.8
minus			L1	SCE SAR AVM (SCADA)	18.0	x	SOD Reservoir Elevation (scada)	N/A			
D1	BVMWC River PU (USGS)	2.9	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	0.0			
I1	Redlands Tunnel	0.3									
A1	SAR PH #3 Penstock (calc)	9.0									
K1	PH3# Penstock (SCADA)	9.3									

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries				
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.9	W1	Redlands Aqueduct / Sandbox	7.2
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	0.9	L2	SBVWCD Parshall Flume	0.9	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	4.8	Parshall Flume (SCADA)		0.4	B1	BVMWC Highline	5.9
R1	BVMWC Highline to Boullioun	0.0	Irrigation		minus		C1	Greenspot Pipeline	0.0		
S1	Crafton WC Boullioun	0.0	D2	Boullioun Box Weir	5.9	minus		I2	Tailrace Pipeline	4.8	
T1	Tate Pump Station to Zanja	0.0	B2	Gay Overflow	3.7	minus		L2	SBVWCD Parshall Flume	0.9	
C1	Greenspot Pipeline	0.0	C2	Irrigation	2.2	minus		J2	Tailrace Valve to Parshall Flume	0.0	
						minus		K2	Northfork Parshall Flume	0.9	
						minus		I1	Redlands Tunnel	0.3	
						minus		N2	Total SAR Deliveries	17.8	

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	3.0	E3	M/C #1 Penstock Flow	13.4
B3	M/C #3 Penstock	10.4	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	13.4			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	11.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	13.4	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.4	U3	Total MC Deliveries	13.4	V3	Zanja West Weir to CWC Canal	0.5
			T3	MC #1 Flow (Cooley Hat)	13.4				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	15.9

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	6.0	I4	2,619.0	123,000	I4	2,261.8	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	1,036.1	73,800	K4	848.9	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	L4	0	714	
	SBVMWD	SWP									
	WMWD	SWP									
	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			