

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 1/21/2016

Time: 6:35:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	27.1
N2	Total SAR Deliveries	27.1
A1	SAR PH#3 Penstock (calc)	21.0
B1	BVMWC Highline	2.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	12.0
G2	North Fork Canal Weir	4.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	8.3
	Other	0.0

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

Reservoir Levels	Feet
Observation at SOD	2172.98
Crafton Reservoir Level (21.3)	17.1
Mentone Reservoir Level	20.5

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	647	123,000
Santa Ana River to Mill Creek	SAR-MC	0	0
Santa Ana River	SWP	0	0
Mill Creek	MC	323	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	12	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.

Daily Flow Report

1/21/2016

6:35:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	R	Tate Treatment Plant	0.0
D	Purchased Water	0.0	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	T	Newport for BVMWC	0.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	0.0	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	0.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	4.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	3.3	A1	SAR PH #3 Penstock (calc)	21.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.8	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	2.8
J1	Tailrace Valve to Parshall Flume	8.7	E2	Boullioun Box to Zanja	0.0	minus			C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	3.3	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	3.3
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	2.8	Z1	SOD Release Subtotal	3.3	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	8.6	Other			Seven Oaks Dam			D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	
minus			J1	Big Bear Lake Release	0.0	W	Observation at SOD				
D1	BVMWC River PU (USGS)	3.3	L1	SCE SAR AVM (SCADA)	23.4	X	SOD Reservoir Elevation (scada)	2173.0			
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) 21.0										
K1	PH3# Penstock (SCADA) 21.2										

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	4.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	8.7
K2	Northfork Parshall Flume	3.3
I2	Tailrace Pipeline	16.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	8.7
K2	Northfork Parshall Flume	3.3
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	12.0
	Parshall Flume (SCADA)	11.8

Irrigation		
D2	Boullioun Box Weir	2.8
	minus	
B2	Gay Overflow	0.0
C2	Irrigation	2.8

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	8.6
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.8
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	16.0
L2	SBVWCD Parshall Flume	12.0
	minus	
J2	Tailrace Valve to Parshall Flume	8.7
K2	Northfork Parshall Flume	3.3
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	27.1

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	3.9	E3	M/C #1 Penstock Flow	10.7
B3	M/C #3 Penstock	6.8	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	9.2	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.5
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	10.7	r3	Boullion to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.5	u3	Total MC Deliveries	10.7	v3	Zanja West Weir to CWC Canal	0.0
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	10.7				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	17.1

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	24.3	I4	646.9	123,000	I4	301.9	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	0.0		O4	0.0	
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0	
C4	Mill Creek	MC	G4	0.0	K4	323.0	73,800	K4	138.6	73,800
D4	Mill Creek	SWP	H4	0.0	L4	0	714	L4	0	714
	SBVMWD	SWP		0		12			12	
	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