

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/28/2016

Time: 6:40:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.1
N2	Total SAR Deliveries	6.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	0.0
v1	PH3 Afterbay Spill Loss to SAR	0.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	57.9
V	Total SWP Deliveries	57.9
J	Northfork Canal	11.6
L	Redlands Aqueduct	27.1
M	Crafton Unger Lane	5.0
T	Newport to BVMWC	1.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.6
U3	Total MC Deliveries	7.6
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.6

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	20.2
Mentone Reservoir Level	19.9

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	15	0
Mill Creek	MC	1,040	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
EV HQ	SWP	392	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

7/28/2016

6:40:00 AM

State Water Project

Inflows		
A	BBMWD In-lieu	43.7
B	Muni test at Greenspot Station	0.0
C	Exchange Water	0.0
D	Purchased Water	14.2
E	Redlands Aqueduct Leakage	0.0
F	Recharge Project	0.0
G	Total SWP Inflows	57.9

Deliveries								
H	EVWD Treatment Plant	0.0	M	Crafton Unger Lane	5.0	S	SBCFCD Grove	0.0
I	Santa Ana Low Turnout	12.2	N	BVMWC Bouillion Box	1.0	T	Newport for BVMWC	1.0
J	Northfork Canal	11.6	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
K	Edwards Canal	0.0	Q	Zanja	0.0		EV HQ Irrigation	0.0
L	Redlands Aqueduct	27.1	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	57.9

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.6
W1	Redlands Aqueduct / Sandbox	0.0
Y1	Redlands Sandbox Spill	0.3
		minus
D1	BVMWC River PU (USGS)	1.5
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	0.0
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	4.6
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	4.6
Other		
J1	Big Bear Lake Release	1.3
L1	SCE SAR AVM (SCADA)	5.9
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	1.5
E1	Main River Gage (USGS)	0.0
		minus
F1	Greenspot Spill	0.0
Z1	SOD Release Subtotal	1.5
Seven Oaks Dam		
W	Observation at SOD	N/A
X	SOD Reservoir Elevation (scada)	N/A
Y	Debris Pool Elevation	0.0

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	1.5
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	6.1
Edison Generation		
SAR PH#1 Generating		□
SAR PH#3 Generating		□

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo 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	0.6
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.3
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	0.9		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	4.6
R1	BVMWC Highline to Boulliouin	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boulliouin	0.0				Irrigation			I2	Tailrace Pipeline	0.9
T1	Tate Pump Station to Zanja	0.0				D2	Boulliouin Box Weir	4.6	L2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0				minus			minus		
						B2	Gay Overflow	2.2	J2	Tailrace Valve to Parshall Flume	0.0
						C2	Irrigation	2.4	K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	6.1

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	2.1	E3	M/C #1 Penstock Flow	7.6
B3	M/C #3 Penstock	5.5	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	7.6			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	19.9
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	7.6	r3	Boullion to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	2.6	u3	Total MC Deliveries	7.6	v3	Zanja West Weir to CWC Canal	5.4
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	7.6				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	20.2

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	15.0		J4	15.0	
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	0.0	714
	SBVMWD	SWP									
	East Valley	SWP		24.2			392.0			392.0	
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	