

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 11/30/2016
Time: 6:55:00 AM

State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	28.6	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	21.0	N	BVMWC Bouillion Box	0.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	12.6	P	SARC West	0.0	U	M/C spreading at Zanja Tate	9.7
D	Purchased Water	35.7	K	Edwards Canal	0.0	Q	Zanja	0.0		Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	21.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 64.3	
F	Recharge Project	0.0									
G	Total SWP Inflows 64.3										

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	14.2
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	0.0
Y1	Redlands Sandbox Spill	0.3
		minus
D1	BVMWC River PU (USGS)	4.2
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	10.0
K1	PH3# Penstock (SCADA)	8.7

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	5.0
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	5.0
Other		
J1	Big Bear Lake Release	0.9
L1	SCE SAR AVM (SCADA)	15.4
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	4.2
E1	Main River Gage (USGS)	0.0
		minus
F1	Greenspot Spill	0.0
Z1	SOD Release Subtotal	4.2
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)	10.0
B1	BVMWC Highline	5.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	4.2
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	19.2
Edison Generation		
SAR PH#1 Generating		☒
SAR PH#3 Generating		☒

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	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	14.2
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	14.2

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	14.2
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	14.2
	Parshall Flume (SCADA)	14.2

Irrigation		
D2	Boullioun Box Weir	5.0
	minus	
B2	Gay Overflow	2.6
C2	Irrigation	2.4

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.0
Y1	Redlands Sandbox Spill	0.3
Z1	Cuttle Weir To River	0.0
B1	BVMWC Highline	5.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	14.2
L2	SBVWCD Parshall Flume	14.2
	minus	
J2	Tailrace Valve to Parshall Flume	14.2
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	19.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	3.3	E3	M/C #1 Penstock Flow	8.1
B3	M/C #3 Penstock	4.8	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	8.1			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.8	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	19.8
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	2.3	t3	Mill Creek #1 Flow (Cooley Hat)	8.1	r3	Boullion to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	0.0	u3	Total MC Deliveries	8.1	v3	Zanja West Weir to CWC Canal	0.0
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	8.1				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	19.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	2.3
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	2.3

SBVWCD Recharge

Location		Type	Previous Day (AF)			WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	22.2		I4	465.5	123,000	J4	2,742.5	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	16.9		O4	182.5	
B4	Santa Ana River	SWP	F4	0.0		J4	0.0		J4	15.0	
C4	Mill Creek	MC	G4	7.9		K4	71.3	73,800	K4	941.6	73,800
D4	Mill Creek	SWP	H4	0.0		L4	0.0	714	L4	17.6	714
	Redlands	SWP		0.0			3.0			172.6	
	Loma Linda	SWP		18.2			259.9			259.9	
	East Valley	SWP		41.6			2,477.3			4,389.8	
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	