

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/19/2021

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	103.6
N2	Total SAR Deliveries	103.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	80.2
G2	North Fork Canal Weir	4.6
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	12.5
v1	PH3 Afterbay Spill Loss to SAR	0.6

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	13.0
U3	Total MC Deliveries	13.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	13.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	2.5
V	Total SWP Deliveries	2.5
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2191.2
Crafton Reservoir Level (21.3)	15.5
Mentone Reservoir Level	19.0

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	0

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	1,868	176,000
Santa Ana River to Mill Creek	SAR-MC	394	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,502	106,000
Mill Creek	SWP	0	0
Plunge Creek	PLC	107	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 throughout the day. The water recorded @ the PH# 3 Afterbay spillloss to SAR is from a pipe leak.

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State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVWD City Creek	2.5	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	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	2.5	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	
F	Recharge Project	0.0									2.5
G	Total SWP Inflows		2.5								

Santa Ana River Inflows													
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows				
G2	Northfork Canal Weir	4.6	A2	Newport	0.0	D1	BVMWC River PU (USGS)	18.6	A1	SAR PH #3 Penstock (calc)	0.0		
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.8	E1	Main River Gage (USGS)	80.2	B1	BVMWC Highline	4.8		
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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	7.3	D1	BVMWC River PU (USGS)	18.6		
V1	PH#3 Afterbay SpillLoss to SAR	0.6	B1	BVMWC Highline		4.8	Z1	SOD Release Subtotal		91.5	E1	Main River Gage (USGS)	80.2
W1	Redlands Aqueduct / Sandbox	12.8	Other				w	Observation at SOD	2191.2	D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.8	x	SOD Reservoir Elevation (scada)	N/A	A5	Total SAR Inflows		103.6	
D1	BVMWC River PU (USGS)	18.6	L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	Edison Generation				
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating	<input type="checkbox"/>			
A1	SAR PH #3 Penstock (calc)		0.0										
K1	PH3# Penstock (SCADA)		N/A										
									SAR PH#3 Generating			<input type="checkbox"/>	

Santa Ana River Deliveries												
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries			
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	4.6	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	12.8	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	80.2	Y1	Redlands Sandbox Spill	0.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	minus			Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline		5.5	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	4.8	
R1	BVMWC Highline to Boullioun	0.0	Irrigation				L2	SBVWCD Parshall Flume	80.2	C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0	D2	Boullioun Box Weir	4.8	Parshall Flume (SCADA)			79.2	I2	Tailrace Pipeline	5.5
T1	Tate Pump Station to Zanja	0.0	N	BVMWC Boullioun Box	0.0	minus			L2	SBVWCD Parshall Flume	80.2	
C1	Greenspot Pipeline		0.0									
									J2 Tailrace Valve to Parshall Flume			0.0
									K2 Northfork Parshall Flume			0.0
									I1 Redlands Tunnel			0.3
									N2 Total SAR Deliveries			103.6

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	6.9	E3	M/C #1 Penstock Flow	13.0
B3	M/C #3 Penstock	6.1	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		13.0		

Mill Creek Deliveries												
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other			
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	8.4	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	19.0	
K3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	13.0	R3	Boullioun to BVMWC Highline	0.0	
SBVWCD MC Spreading			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other			
C3	SBVWCD Mill Creek Diversion	0.0	S3	East Weir to Zanja	4.6	U3	Total MC Deliveries		13.0	V3	Zanja West Weir to CWC Canal	1.1
L3	East Weir (MC)	0.0	T3	MC #1 Flow (Cooley Hat)		13.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
M3	BVHL (SAR)	0.0	N3	Cooley Hat (SCADA)		15.9				Y3	Crafton Reservoir Level (21.3)	15.5
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	491.2		I4	1,867.8	176,000		I4	1,143.5	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	393.8			O4	328.8		
B4	Santa Ana River	SWP	F4	0.0		J4	0.0			J4	0.0		
C4	Mill Creek	MC	G4	0.0		K4	1,502.4	106,000		K4	730.5	106,000	
D4	Mill Creek	SWP	H4	0.0		L4	0.0			L4	0.0		
	Plunge Creek	PLC		0.0			106.5				106.5		
SAR Passing Cuttle Weir (cfs)		0	Share of Lost SAR Flow		0	Estimate SAR flow (cfs)		0	Estimate SAR Recharge (AF)		0		
Mill Creek Passing Garnet (cfs)		0	Share of Lost Mill Creek Flow		0	Estimate Mill Creek flow (cfs)		0	Estimate Mill Creek Recharge (AF)		0		
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Flow (cfs)		0	Total River Recharge (AF)		0		