

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/13/2021

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	20.2
N2	Total SAR Deliveries	20.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	4.8
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	10.2
V1	PH3 Afterbay Spill Loss to SAR	0.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	5.7
V	Total SWP Deliveries	5.7
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	1.9
T	Newport to BVMWC	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	14.5
U3	Total MC Deliveries	14.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	14.5

Reservoir Levels	Feet
Observation at SOD	NA
Crafton Reservoir Level (21.3)	17.8
Mentone Reservoir Level	19.6

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	1,237	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	1.9	H	EVWD City Creek	2.5	M	Crafton Unger Lane	1.9	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	3.8	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3			
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries		5.7		
F	Recharge Project	0.0												
G	Total SWP Inflows	5.7												
Santa Ana River Inflows														
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows					
G2	Northfork Canal Weir	4.8	A2	Newport	0.0	D1	BVMWC River PU (USGS)	16.4	A1	SAR PH #3 Penstock (calc)	0.0			
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	3.8	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.8			
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	8.3	D1	BVMWC River PU (USGS)	16.4			
V1	PH#3 Afterbay SpillLoss to SAR	0.5	B1	BVMWC Highline	3.8	Z1	SOD Release Subtotal	8.1	E1	Main River Gage (USGS)	0.0			
W1	Redlands Aqueduct / Sandbox	10.5							D1a	BV Pick-Up gated	□			
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows		20.2		
D1	BVMWC River PU (USGS)	16.4				W	Observation at SOD	NA	Edison Generation					
I1	Redlands Tunnel	0.3	J1	Big Bear Lake Release	0.8	X	SOD Reservoir Elevation (scada)	2197.9	SAR PH#1 Generating				□	
A1	SAR PH #3 Penstock (calc)	0.0	L1	SCE SAR AVM (SCADA)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating				□	
K1	PH3# Penstock (SCADA)	N/A	X1	SAR-MC Spread (Red. Aqueduct)	0.0									
Santa Ana River Deliveries														
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	4.8	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.5			
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	10.5			
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	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	5.7		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	3.8			
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	0.0	C1	Greenspot Pipeline	0.0			
S1	Crafton WC Boullioun	0.0					Parshall Flume (SCADA)	0.0	I2	Tailrace Pipeline	5.7			
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	0.0			
C1	Greenspot Pipeline	0.0							minus					
									J2	Tailrace Valve to Parshall Flume	0.0			
									K2	Northfork Parshall Flume	0.0			
									I1	Redlands Tunnel	0.3			
									N2	Total SAR Deliveries		20.2		
Mill Creek Inflows														
Total MC Inflows			Other											
A3	RPU Flow	7.2	E3	M/C #1 Penstock Flow	14.5									
B3	M/C #3 Penstock	7.3	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	14.5												
Mill Creek Deliveries														
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other					
	Yucaipa Regional Park	0.0	P3	Tate Inflow	10.2	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	19.6			
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	14.5	R3	Boullioun to BVMWC Highline	0.0			
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	4.3	U3	Total MC Deliveries	14.5	V3	Zanja West Weir to CWC Canal	2.8			
			T3	MC #1 Flow (Cooley Hat)	14.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0			
			N3	Cooley Hat (SCADA)	17.1				Y3	Crafton Reservoir Level (21.3)	17.8			
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	1,236.6	176,000	I4	512.3	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			