

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 3/29/2023
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	322.2
N2	Total SAR Deliveries	322.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	1.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	173.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	13.2
Z2	Cuttle Weir to River	135.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	79.3
U3	Total MC Deliveries	79.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	82.2
T3	MC #1 Flow (Cooley Hat)	13.3

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	6.3
V	Total SWP Deliveries	6.3
J	Northfork Canal	0.0
L	Redlands Aqueduct	3.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2221.6
Crafton Reservoir Level (21.3)	17.6
Mentone Reservoir Level	17.4

River Recharge	AF
Estimate SAR Recharge (AF)	60
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	0

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	21,709	176,000
Santa Ana River to Mill Creek	SAR-MC	1,232	0
Santa Ana River	SWP	3,033	0
Mill Creek	MC	3,405	106,000
Mill Creek	SWP	530	0
Plunge Creek	PLC	1,934	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.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.1	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	3.1	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	3.2	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	6.3
F	Recharge Project	3.2									
G	Total SWP Inflows	6.3									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal		Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	25.4	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	1.0	E1	Main River Gage (USGS)	295.8	B1	BVMWC Highline	1.0
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	12.2	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	25.4
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	1.0	Z1	SOD Release Subtotal	321.2	E1	Main River Gage (USGS)	295.8
W1	Redlands Aqueduct / Sandbox	14.2	Other			W	Observation at SOD	2221.6	D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.3	X	SOD Reservoir Elevation (scada)	2220.5	A5	Total SAR Inflows	322.2
minus			L1	SCE SAR AVM (SCADA)	0.0	Y	Debris Pool Elevation	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	25.4	X1	SAR-MC Spread (Red. Aqueduct)	6.2	Edison Generation			SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	1.0				Edison Generation			SAR PH#3 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0				Edison Generation					
K1	PH3# Penstock (SCADA)	0.0				Edison Generation					

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	Redlands sand box	0.0	G2	Northfork Canal Weir	0.0	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	12.2	W1	Redlands Aqueduct / Sandbox	14.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	160.8	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	12.2	Sedimentation Basin Recharge			Z2	Cuttle Weir To River	135.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.2	L2	SBVWCD Parshall Flume	173.0	B1	BVMWC Highline	1.0
R1	BVMWC Highline to Boullioun	0.0	Irrigation			Parshall Flume (SCADA)			C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	D2	Boullioun Box Weir	1.0	minus			I2	Tailrace Pipeline	12.2
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0	J2	Tailrace Valve to Parshall Flume	0.0	L2	SBVWCD Parshall Flume	173.0
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0	K2	Northfork Parshall Flume	12.2	L2	Sedimentation Recharge	0.0
			minus			I1	Redlands Tunnel	1.0	N2	Total SAR Deliveries	322.2
			B2	Gay Overflow	0.0						
			C2	Irrigation	1.0						

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	13.3
B3	M/C #3 Penstock	13.3	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	66.0	G3	Observation at Garnet	2.0
D3	Total MC Inflows	79.3			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	66.0	H3	Mentore Reservoir Level	17.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	10.0	T3	Mill Creek #1 Flow (Cooley Hat)	13.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	3.3	U3	Total MC Deliveries	79.3	V3	Zanja West Weir to CWC Canal	1.2
			T3	MC #1 Flow (Cooley Hat)	13.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	0.0				Y3	Crafton Reservoir Level (21.3)	17.6

SBVWCD MC Spreading

C3	SBVWCD Mill Creek Diversion	66.0
L3	East Weir (MC)	10.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	6.2
O3	SBVWCD MC Spreading	82.2

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	343.1	I4	21,709.3	176,000	I4	21,221.8	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	5.6	O4	1,232.4		O4	1,048.8	
B4	Santa Ana River	SWP	F4	59.5	J4	3,032.9		J4	2,837.4	
C4	Mill Creek	MC	G4	119.0	K4	3,404.7	106,000	K4	2,779.9	106,000
D4	Mill Creek	SWP	H4	0.0	L4	529.5		L4	529.5	
	Plunge Creek	PLC		21.8		1,934.3			1,812.9	
SAR Passing Cuttle Weir (cfs)	135		Share of Lost SAR Flow	108.39	Estimate SAR flow (cfs)	27		Estimate SAR Recharge (AF)	60	
Mill Creek Passing Garnet (cfs)	2		Share of Lost Mill Creek Flow	2	Estimate Mill Creek flow (cfs)	0		Estimate Mill Creek Recharge (AF)	0	
Flow in the River Above Alabama	137		Flowing Beyond Alabama	110	Total River Flow (cfs)	27		Total River Recharge (AF)	0	