

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 12/5/2023

Time: 6:40:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	79.4
N2	Total SAR Deliveries	79.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	69.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	10.4
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	26.9
U3	Total MC Deliveries	26.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	26.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	33.1
V	Total SWP Deliveries	33.1
J	Northfork Canal	5.3
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2205.7
Crafton Reservoir Level (21.3)	16.9
Mentone Reservoir Level	18.0

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	5,418	176,000
Santa Ana River to Mill Creek	SAR-MC	7	0
Santa Ana River to Mill Creek	SWP	1,288	0
Santa Ana River	SWP	2,211	0
Mill Creek	MC	16,631	106,000
Mill Creek	SWP	4,390	0
Plunge Creek	PLC	18	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. Water in Mill Creek at the east weir is being turned out to river due to Mill Creek diversion project.

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State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVWD City Creek	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	14.2	N	BVMWC Boulliou Box	3.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	5.3	P	SARC West	0.0	U	M/C spreading at Zanja Tate	10.6
D	Purchased Water	8.3	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	33.1
F	Recharge Project	24.8									
G	Total SWP Inflows	33.1									

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)	19.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	59.8	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boulliou Box to Zanja	0.0			minus	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	9.2	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	19.6
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	79.4	E1	Main River Gage (USGS)	59.8
W1	Redlands Aqueduct / Sandbox	8.7							D1a	BV Pick-Up gated	0
Y1	Redlands Sandbox Spill	2.6	Other						A5	Total SAR Inflows	79.4
	Minus		J1	Big Bear Lake Release	1.0	W	Observation at SOD	2205.7	Edison Generation		
D1	BVMWC River PU (USGS)	19.6	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2204.8	SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.9	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH3# Penstock (SCADA)	0.0									

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	9.2	W1	Redlands Aqueduct / Sandbox	8.7
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	59.8	Y1	Redlands Sandbox Spill	2.6
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.2				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	9.2				B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boulliou	0.0							C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation						I2	Tailrace Pipeline	9.2
T1	Tate Pump Station to Zanja	0.0	D2	Boulliou Box Weir	0.0				L2	SBVWCD Parshall Flume	69.0
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boulliou	0.0	L2	SBVWCD Parshall Flume	69.0	L2	Sedimentation Recharge	0.0
			N	BVMWC Boulliou Box	3.0		Parshall Flume (SCADA)	48.2		minus	
									J2	Tailrace Valve to Parshall Flume	0.0
			B2	Gay Overflow	1.8				K2	Northfork Parshall Flume	9.2
			C2	Irrigation	1.2				I1	Redlands Tunnel	0.9
									N2	Total SAR Deliveries	79.4

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	12.5	E3	M/C #1 Penstock Flow	26.9
B3	M/C #3 Penstock	14.4	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	6.0
D3	Total MC Inflows	26.9			

Mill Creek Deliveries											
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	13.9	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	18.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	6.3	T3	Mill Creek #1 Flow (Cooley Hat)	26.9	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.7	U3	Total MC Deliveries	26.9	V3	Zanja West Weir to CWC Canal	3.1
			T3	MC #1 Flow (Cooley Hat)	26.9				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	27.2				Y3	Crafton Reservoir Level (21.3)	16.9
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	132.9	I4	5,418.2	176,000	I4	52,447.3	176,000			
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	6.5		O4	1,444.3				
	Santa Ana Rvr to Mill Creek	SWP		0.0		1,288.0		J4	2,156.8				
B4	Santa Ana River	SWP	F4	30.2	J4	2,211.3		K4	3,823.7				
C4	Mill Creek	MC	G4	0.0	K4	16,630.8	106,000	L4	16,006.0	106,000			
D4	Mill Creek	SWP	H4	22.6	L4	4,389.9			7,053.8				
	Plunge Creek	PLC		0.0		17.5			2,620.1				
	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)	6		Share of Lost Mill Creek Flow	3		Estimate Mill Creek flow (cfs)	3		Estimate Mill Creek Recharge (AF)	0		
	Flow in the River Above Alabama	6		Flowing Beyond Alabama	3		Total River Flow (cfs)	3		Total River Recharge (AF)	0		