

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/13/2024
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	45.4
N2	Total SAR Deliveries	45.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	6.9
G2	North Fork Canal Weir	9.9
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	27.7
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	25.9
U3	Total MC Deliveries	25.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	7.0
T3	MC #1 Flow (Cooley Hat)	18.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	43.2
V	Total SWP Deliveries	43.2
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	NR
Crafton Reservoir Level (21.3)	17.3
Mentone Reservoir Level	17.6

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	27,289	176,000
Santa Ana River to Mill Creek	SAR-MC	332	0
Santa Ana River to Mill Creek	SWP	1,696	0
Santa Ana River	SWP	7,647	0
Mill Creek	MC	11,876	106,000
Mill Creek	SWP	12,390	0
Plunge Creek	PLC	1,324	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	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	20.0	N	BVMWC Boullioun Box	3.2	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	20.0
D	Purchased Water	3.2	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	43.2
F	Recharge Project	40.0									
G	Total SWP Inflows	43.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline		SOD Release Subtotal		Total SAR Inflows				
G2	Northfork Canal Weir	9.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	39.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	6.2	B1	BVMWC Highline	0.0
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	0.7	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	39.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	45.4	E1	Main River Gage (USGS)	6.2
W1	Redlands Aqueduct / Sandbox	28.0							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	45.4
D1	BVMWC River PU (USGS)	39.2	Other			w	Observation at SOD	NR	Edison Generation		
I1	Redlands Tunnel	0.3	J1	Big Bear Lake Release	1.3	x	SOD Reservoir Elevation (scada)	2188.9	SAR PH#1 Generating	<input type="checkbox"/>	
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	<input type="checkbox"/>	
K1	PH3# Penstock (SCADA)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	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	9.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.7	W1	Redlands Aqueduct / Sandbox	28.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	6.2	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.7	Sedimentation Basin Recharge		0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	11.5	L2	SBVWCD Parshall Flume	6.9	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				Parshall Flume (SCADA)		6.0	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation					I2	Tailrace Pipeline	11.5	
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0			L2	SBVWCD Parshall Flume	6.9	
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0			L2	Sedimentation Recharge	0.0	
			N	BVMWC Boullioun Box	3.2			minus			
			minus					J2	Tailrace Valve to Parshall Flume	0.0	
			B2	Gay Overflow	0.1			K2	Northfork Parshall Flume	0.7	
			C2	Irrigation	3.1			I1	Redlands Tunnel	0.3	
								N2	Total SAR Deliveries	45.4	

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	4.9	E3	M/C #1 Penstock Flow	18.9
B3	M/C #3 Penstock	14.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	7.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	25.9			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries			Other			
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	7.0	H3	Mentone Reservoir Level	17.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	18.9	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.4	U3	Total MC Deliveries	25.9	V3	Zanja West Weir to CWC Canal	4.4
			T3	MC #1 Flow (Cooley Hat)	18.9				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	21.5				Y3	Crafton Reservoir Level (21.3)	17.3

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	7.0
L3	East Weir Recharge (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	7.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	13.7	I4	27,288.8	176,000	I4	19,678.5	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	332.4		O4	325.9		
	Santa Ana Rvr to Mill Creek	SWP		0.0		1,695.9			286.5		
B4	Santa Ana River	SWP	F4	39.7	J4	7,647.1		J4	4,317.1		
C4	Mill Creek	MC	G4	11.9	K4	11,875.8	106,000	K4	11,666.8	106,000	
D4	Mill Creek	SWP	H4	39.7	L4	12,390.4		L4	6,760.7		
	Plunge Creek	PLC		0.0		1,323.6			1,302.0		
	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