

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/5/2024
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	163.2
N2	Total SAR Deliveries	163.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	58.2
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	11.1
Z2	Cuttle Weir to River	91.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	62.5
U3	Total MC Deliveries	62.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	51.0
T3	MC #1 Flow (Cooley Hat)	11.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.2
V	Total SWP Deliveries	3.2
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	2209.1
Crafton Reservoir Level (21.3)	15.7
Mentone Reservoir Level	17.9

River Recharge	AF
Estimate SAR Recharge (AF)	33
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	33

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	17,642	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	6,045	0
Mill Creek	MC	4,513	1,068
Mill Creek	SWP	8,590	0
Plunge Creek	PLC	939	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 the Redlands Sandbox spill is coming from the Redlands Aqueduct.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 4/5/2024
Time: 7:00:00 AM

State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.2	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	3.2	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	3.2
F	Recharge Project	0.0									
G	Total SWP Inflows	3.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline		SOD Release Subtotal		Total SAR Inflows				
G2	Northfork Canal Weir	2.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	23.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	140.0	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	9.2	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	23.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	163.2	E1	Main River Gage (USGS)	140.0
W1	Redlands Aqueduct / Sandbox	8.7							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	3.2							A5	Total SAR Inflows	163.2
Minus			Other				Edison Generation				
D1	BVMWC River PU (USGS)	23.2	J1	Big Bear Lake Release	0.4	w	Observation at SOD	2209.1			
I1	Redlands Tunnel	0.8	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2208.2	SAR PH#1 Generating <input type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A	SAR PH#3 Generating <input type="checkbox"/>		
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	2.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0	
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	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	49.0	Y1	Redlands Sandbox Spill	3.2	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.2	Sedimentation Basin Recharge		0.0	Z2	Cuttle Weir To River	91.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.1	L2	SBVWCD Parshall Flume	58.2	B1	BVMWC Highline	0.0	
R1	BVMWC Highline to Boullioun	0.0				Parshall Flume (SCADA)		57.2	C1	Greenspot Pipeline	0.0	
S1	Tres Lagos	0.0	Irrigation						I2	Tailrace Pipeline	12.1	
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0					L2	SBVWCD Parshall Flume	58.2
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0					L2	Sedimentation Recharge	0.0
			N	BVMWC Boullioun Box	0.0					minus		
			minus						J2	Tailrace Valve to Parshall Flume	0.0	
			B2	Gay Overflow	1.4					K2	Northfork Parshall Flume	9.2
			C2	Irrigation	-1.4					I1	Redlands Tunnel	0.8
										N2	Total SAR Deliveries	163.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	11.5
B3	M/C #3 Penstock	11.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	51.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	62.5			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries			Other			
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	9.0	C3	SBVWCD Mill Creek Diversion	51.0	H3	Mentone Reservoir Level	17.9
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	11.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.5	U3	Total MC Deliveries	62.5	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	11.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	11.5				Y3	Crafton Reservoir Level (21.3)	15.7

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	51.0
L3	East Weir Recharge (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	51.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	109.3	I4	17,641.9	176,000	I4	10,031.6	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	0.0	J4	6,044.6		J4	2,714.6		
C4	Mill Creek	MC	G4	101.2	K4	4,512.6	1,068	K4	4,303.6	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	8,590.3		L4	2,960.6		
	Plunge Creek	PLC		6.0		938.8			917.2		
	SAR Passing Cuttle Weir (cfs)	91		Share of Lost SAR Flow	80		Estimate SAR flow (cfs)	11		Estimate SAR Recharge (AF)	33
	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	91		Flowing Beyond Alabama	80		Total River Flow (cfs)	11		Total River Recharge (AF)	33