

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 12/12/2023
Time: 6:50:00 AM

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	18.1	N	BVMWC Boulliou Box	3.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	5.6	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	8.6	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.5	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	34.2
F	Recharge Project	25.6									
G	Total SWP Inflows	34.2									

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)	23.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	56.7	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	10.3	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	23.6
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	80.3	E1	Main River Gage (USGS)	56.7
W1	Redlands Aqueduct / Sandbox	12.1							D1a	BV Pick-Up gated	-
Y1	Redlands Sandbox Spill	2.1							A5	Total SAR Inflows	80.3
Minus			Other			w	Observation at SOD	2201.1	Edison Generation		
D1	BVMWC River PU (USGS)	23.6	J1	Big Bear Lake Release	0.9	x	SOD Reservoir Elevation (scada)	2200.5	SAR PH#1 Generating		
I1	Redlands Tunnel	0.9	L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	SAR PH#3 Generating		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0						
K1	PH#3 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	10.3	W1	Redlands Aqueduct / Sandbox	12.1
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	56.7	Y1	Redlands Sandbox Spill	2.1
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	10.3				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.3				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	10.3	
T1	Tate Pump Station to Zanja	0.0	D2	Boulliou Box Weir	0.0	L2	SBVWCD Parshall Flume	67.0	L2	SBVWCD Parshall Flume	67.0
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boulliou	0.0		Parshall Flume (SCADA)	48.2	L2	Sedimentation Recharge	0.0
			N	BVMWC Boulliou Box	3.0				minus		
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	10.3
									I1	Redlands Tunnel	0.9
									N2	Total SAR Deliveries	80.3

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	11.8	E3	M/C #1 Penstock Flow	26.3
B3	M/C #3 Penstock	14.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	5.0
D3	Total MC Inflows	26.3			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	13.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	18.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	4.4	T3	Mill Creek #1 Flow (Cooley Hat)	26.3	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	8.4	U3	Total MC Deliveries	26.3	V3	Zanja West Weir to CWC Canal	3.5
			T3	MC #1 Flow (Cooley Hat)	26.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	24.9				Y3	Crafton Reservoir Level (21.3)	13.4
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	106.8	I4	6,405.2	176,000	I4	53,434.3	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	F4	14.3	J4	1,362.4		J4	2,231.2	
B4	Santa Ana River	SWP	G4	35.5	K4	2,402.9		K4	4,015.3	
C4	Mill Creek	MC	H4	0.0	L4	16,630.8	106,000	L4	16,006.0	106,000
D4	Mill Creek	SWP		1.5		4,464.3			7,128.2	
	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)	5		Share of Lost Mill Creek Flow	1	Estimate Mill Creek flow (cfs)	4		Estimate Mill Creek Recharge (AF)	6	
Flow in the River Above Alabama	5		Flowing Beyond Alabama	1	Total River Flow (cfs)	4		Total River Recharge (AF)	6	