

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 12/21/2023
Time: 7:00:00 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	26.2	N	BVMWC Boullioun Box	4.7	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	3.1	P	SARC West	0.0	U	M/C spreading at Zanja Tate	35.3
D	Purchased Water	7.8	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 69.3	
F	Recharge Project	61.5									
G	Total SWP Inflows	69.3									

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)	28.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	39.4	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	6.6	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	28.6
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	68.0	E1	Main River Gage (USGS)	39.4
W1	Redlands Aqueduct / Sandbox	11.5							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	8.1							A5	Total SAR Inflows	68.0
Minus											
D1	BVMWC River PU (USGS)	28.6	Other						Edison Generation		
I1	Redlands Tunnel	0.5	J1	Big Bear Lake Release	0.9	W	Observation at SOD	2201.6	SAR PH#1 Generating		
A1	SAR PH #3 Penstock (calc)	0.0	I1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2200.8	SAR PH#3 Generating		
K1	PH3# Penstock (SCADA)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A			

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo 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	6.6	W1	Redlands Aqueduct / Sandbox	11.5
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	39.4	Y1	Redlands Sandbox Spill	8.1
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	6.6				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	9.5		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	46.0	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation				Parshall Flume (SCADA)	49.2	I2	Tailrace Pipeline	9.5
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	46.0
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0
			N	BVMWC Boullioun Box	4.7				minus		
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	6.6
									I1	Redlands Tunnel	0.5
									N2	Total SAR Deliveries	68.0

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPV Flow	11.7	E3	M/C #1 Penstock Flow	25.7
B3	M/C #3 Penstock	14.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	4.2	G3	Observation at Garnet	15.0
D3	Total MC Inflows	29.9			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	13.0	C3	SBVWCD Mill Creek Diversion	4.2	H3	Mentone Reservoir Level	16.9
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	10.8	T3	Mill Creek #1 Flow (Cooley Hat)	25.7	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.9	U3	Total MC Deliveries	29.9	V3	Zanja West Weir to CWC Canal	1.0
			T3	MC #1 Flow (Cooley Hat)	25.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	28.2				Y3	Crafton Reservoir Level (21.3)	17.3
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	86.9	I4	7,037.9	176,000	I4	54,067.0	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		1,409.4			2,278.2	
B4	Santa Ana River	SWP	F4	50.8	J4	2,779.5		J4	4,391.9	
C4	Mill Creek	MC	G4	3.5	K4	3.5	106,000	K4	16,009.5	106,000
D4	Mill Creek	SWP	H4	68.3	L4	4,881.1		L4	7,551.9	
	Plunge Creek	PLC		1.0		18.5			2,621.1	
SAR Passing Cuttle Weir (cfs)		0	Share of Lost SAR Flow		0	Estimate SAR flow (cfs)		Estimate SAR Recharge (AF)		0
Mill Creek Passing Garnet (cfs)		15	Share of Lost Mill Creek Flow		8	Estimate Mill Creek flow (cfs)		Estimate Mill Creek Recharge (AF)		8
Flow in the River Above Alabama		15	Flowing Beyond Alabama		8	Total River Flow (cfs)		Total River Recharge (AF)		8