

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 12/14/2023
Time: 6:40:00 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	17.2	N	BVMWC Boullioun Box	3.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	3.2	P	SARC West	0.0	U	M/C spreading at Zanja Tate	26.4
D	Purchased Water	6.2	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.2	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	57.0
F	Recharge Project	50.8									
G	Total SWP Inflows	57.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	3.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	22.0	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	21.2	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	6.8	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	22.0
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	43.2	E1	Main River Gage (USGS)	21.2
W1	Redlands Aqueduct / Sandbox	12.9							D1a	BV Pick-Up gated	-
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	43.2
Minus			Other			w	Observation at SOD	2200.6	Edison Generation		
D1	BVMWC River PU (USGS)	22.0	J1	Big Bear Lake Release	0.9	x	SOD Reservoir Elevation (scada)	2199.3	SAR PH#1 Generating		
I1	Redlands Tunnel	1.0	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	3.3	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	6.8	W1	Redlands Aqueduct / Sandbox	12.9
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	21.2	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	6.8	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.1	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0					SBVWCD Parshall Flume	28.0	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0					Parshall Flume (SCADA)	49.2	I2	Tailrace Pipeline	10.1
T1	Tate Pump Station to Zanja	0.0	Irrigation					L2	SBVWCD Parshall Flume	28.0	
C1	Greenspot Pipeline	0.0	D2	Boullioun Box Weir	0.0			L2	Sedimentation Recharge	0.0	
			R1	BVMWC Highline to Boullioun	0.0			minus			
			N	BVMWC Boullioun Box	3.0	J2	Tailrace Valve to Parshall Flume	0.0	K2	Northfork Parshall Flume	6.8
			minus			I1	Redlands Tunnel	1.0	N2	Total SAR Deliveries	43.2
			B2	Gay Overflow	0.6						
			C2	Irrigation	2.4						

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	6.4	E3	M/C #1 Penstock Flow	20.5
B3	M/C #3 Penstock	14.1	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	20.5			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	11.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	16.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	20.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	9.0	U3	Total MC Deliveries	20.5	V3	Zanja West Weir to CWC Canal	4.6
			T3	MC #1 Flow (Cooley Hat)	20.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	20.7				Y3	Crafton Reservoir Level (21.3)	14.0
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	70.7	I4	6,608.8	176,000	I4	53,637.9	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	1,391.0		J4	2,259.8		
B4	Santa Ana River	SWP	G4	34.9	K4	2,473.7		K4	4,086.1		
C4	Mill Creek	MC	H4	0.0	L4	16,630.8	106,000	L4	16,006.0	106,000	
D4	Mill Creek	SWP		50.0		4,549.3			7,213.2		
	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)	6		Share of Lost Mill Creek Flow	2		Estimate Mill Creek flow (cfs)	4		Estimate Mill Creek Recharge (AF)	8
	Flow in the River Above Alabama	6		Flowing Beyond Alabama	2		Total River Flow (cfs)	4		Total River Recharge (AF)	8