

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 11/22/2023

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	2.8
N2	Total SAR Deliveries	2.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.8
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	0.0
	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	0.0
T3	MC #1 Flow (Cooley Hat)	25.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	88.3
V	Total SWP Deliveries	88.3
J	Northfork Canal	5.0
L	Redlands Aqueduct	8.3
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2199.5
Crafton Reservoir Level (21.3)	17.2
Mentone Reservoir Level	17.8

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	24
Estimated Total River Recharge (AF)	24

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	4,522	176,000
Santa Ana River to Mill Creek	SAR-MC	7	0
Santa Ana River to Mill Creek	SWP	1,165	0
Santa Ana River	SWP	1,529	0
Mill Creek	MC	0	106,000
Mill Creek	SWP	3,654	0
Plunge Creek	PLC	18	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 Mill Creek at the east weir is being turned out to river due to Mill Creek diversion project.

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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	39.9	N	BVMWC Boulliou Box	5.1	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	5.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	30.0
D	Purchased Water	10.2	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	8.3	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	88.3
F	Recharge Project	78.1									
G	Total SWP Inflows	88.3									

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)	2.8	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	0.0	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	2.8	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	2.8
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	2.8	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	0.4	Other					D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	1.0	W	Observation at SOD	2199.5	A5	Total SAR Inflows	2.8
Minus			L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2198.1	Edison Generation		
D1	BVMWC River PU (USGS)	2.8	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.4						SAR PH#3 Generating	<input type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	0.0									
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	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	2.8	W1	Redlands Aqueduct / Sandbox	0.4
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	2.8	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	2.8			B1	BVMWC Highline	0.0	
R1	BVMWC Highline to Boulliou	0.0	Irrigation				C1	Greenspot Pipeline	0.0		
S1	Tres Lagos	0.0	D2	Boulliou Box Weir	0.0	L2	SBVWCD Parshall Flume	2.8	I2	Tailrace Pipeline	2.8
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boulliou	0.0	Parshall Flume (SCADA)		L2	SBVWCD Parshall Flume	2.8	
C1	Greenspot Pipeline	0.0	N	BVMWC Boulliou Box	5.1			L2	Sedimentation Recharge	0.0	
			minus				minus				
			B2	Gay Overflow	3.6			J2	Tailrace Valve to Parshall Flume	0.0	
			C2	Irrigation	1.5			K2	Northfork Parshall Flume	2.8	
								I1	Redlands Tunnel	0.4	
								N2	Total SAR Deliveries	2.8	

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	11.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	14.9	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	11.0
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	12.8	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	17.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	12.4	T3	Mill Creek #1 Flow (Cooley Hat)	25.9	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.7	U3	Total MC Deliveries	25.9	V3	Zanja West Weir to CWC Canal	0.7
SBVWCD MC Spreading			T3	MC #1 Flow (Cooley Hat)	25.9			W3	Mill Creek PH #2,3 Afterbay Spill	0.0	
C3	SBVWCD Mill Creek Diversion	0.0	N3	Cooley Hat (SCADA)	25.3			Y3	Crafton Reservoir Level (21.3)	17.2	
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		Previous Day (AF)		WY To Date (AF)		Calendar Year To Date (AF)	
A4	Santa Ana River	E4	5.2	I4	4,522.3	I4	51,551.4
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	6.5	O4	1,444.9
	Santa Ana Rvr to Mill Creek		15.5		1,165.0		2,033.8
B4	Santa Ana River	F4	78.1	J4	1,528.5	J4	3,140.9
C4	Mill Creek	G4	0.0	K4	0.0	K4	16,006.0
D4	Mill Creek	H4	59.1	L4	3,654.0	L4	6,317.9
	Plunge Creek		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)	11	Share of Lost Mill Creek Flow	5	Estimate Mill Creek flow (cfs)	6	Estimate Mill Creek Recharge (AF)	24
Flow in the River Above Alabama	11	Flowing Beyond Alabama	5	Total River Flow (cfs)	6	Total River Recharge (AF)	24