

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/7/2024
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	45.1
N2	Total SAR Deliveries	45.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	6.4
G2	North Fork Canal Weir	10.2
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	26.6
v1	PH3 Afterbay Spill Loss to SAR	1.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	24.5
U3	Total MC Deliveries	24.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	5.0
T3	MC #1 Flow (Cooley Hat)	19.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	35.9
V	Total SWP Deliveries	35.9
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	2190.1
Crafton Reservoir Level (21.3)	19.4
Mentone Reservoir Level	16.4

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	27,207	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	7,448	0
Mill Creek	MC	11,798	106,000
Mill Creek	SWP	12,132	0
Plunge Creek	PLC	1,324	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.

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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	0.0	N	BVMWC Boullioun Box	5.9	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	30.0
D	Purchased Water	5.9	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	35.9
F	Recharge Project	30.0									
G	Total SWP Inflows	35.9									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	10.2	A2	Newport	0.0	D1	BVMWC River PU (USGS)	39.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	5.9	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	0.5	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	39.2
V1	PH#3 Afterbay Spill/Loss to SAR	1.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	45.1	E1	Main River Gage (USGS)	5.9
W1	Redlands Aqueduct / Sandbox	27.1							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	45.1
			Other						Edison Generation		
D1	BVMWC River PU (USGS)	39.2	J1	Big Bear Lake Release	1.3	w	Observation at SOD	2190.1	SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.5	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2184.6	SAR PH#3 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			
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	10.2	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	1.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.5	W1	Redlands Aqueduct / Sandbox	27.1
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	5.9	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.5	minus			Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	11.6	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				Parshall Flume (SCADA)			C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0							I2	Tailrace Pipeline	11.6
T1	Tate Pump Station to Zanja	0.0	Irrigation						L2	SBVWCD Parshall Flume	6.4
C1	Greenspot Pipeline	0.0	D2	Boullioun Box Weir	0.0	L2	Sedimentation Recharge	0.0	L2	Sedimentation Recharge	0.0
			R1	BVMWC Highline to Boullioun	0.0	minus			J2	Tailrace Valve to Parshall Flume	0.0
			N	BVMWC Boullioun Box	5.9				K2	Northfork Parshall Flume	0.5
			minus						I1	Redlands Tunnel	0.5
			B2	Gay Overflow	1.4				N2	Total SAR Deliveries	45.1
			C2	Irrigation	4.5						

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	5.8	E3	M/C #1 Penstock Flow	19.5
B3	M/C #3 Penstock	13.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	5.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	24.5			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	5.0	H3	Mentone Reservoir Level	16.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	19.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	7.0	U3	Total MC Deliveries	24.5	V3	Zanja West Weir to CWC Canal	5.4
			T3	MC #1 Flow (Cooley Hat)	19.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	23.2				Y3	Crafton Reservoir Level (21.3)	19.4
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	5.0									
L3	East Weir Recharge (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	5.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	13.6	I4	27,206.5	176,000	I4	19,596.1	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	7,448.2		J4	4,118.3	
C4	Mill Creek	MC	G4	9.9	K4	11,798.4	106,000	K4	11,589.4	106,000
D4	Mill Creek	SWP	H4	59.5	L4	12,132.1		L4	6,502.4	
	Plunge Creek	PLC		0.0		1,323.6			1,302.0	
SAR	Passing Cuttle Weir (cfs)			0		0			0	
Mill	Creek Passing Garnet (cfs)			0		0			0	
Flow	in the River Above Alabama			0		0			0	