

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 1/17/2023
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	122.9
N2	Total SAR Deliveries	122.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	1.3
L2	SBVWCD Parshall Flume	115.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	6.6
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	20.0
U3	Total MC Deliveries	20.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	20.0
T3	MC #1 Flow (Cooley Hat)	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.2
V	Total SWP Deliveries	3.2
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	2242.0
Crafton Reservoir Level (21.3)	17.6
Mentone Reservoir Level	17.3

River Recharge	AF
Estimate SAR Recharge (AF)	2
Estimate Mill Creek Recharge (AF)	707
Estimated Total River Recharge (AF)	15

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	1,769	176,000
Santa Ana River to Mill Creek	SAR-MC	184	0
Santa Ana River	SWP	0	0
Mill Creek	MC	774	106,000
Mill Creek	SWP	0	0
Plunge Creek	PLC	859	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	3.2	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 Boulliou Box	0.0	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	0.0
D	Purchased Water	3.2	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	3.2
F	Recharge Project	0.0									
G	Total SWP Inflows	3.2									

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)	17.3	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	104.3	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boulliou Box to Zanja	0.0	minus		C1	Greenspot Pipeline	1.3	
K2	Northfork Parshall Flume	10.7	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	1.9	D1	BVMWC River PU (USGS)	17.3
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	119.7	E1	Main River Gage (USGS)	104.3
W1	Redlands Aqueduct / Sandbox	7.2	Other			W	Observation at SOD	2242.0	D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.9	X	SOD Reservoir Elevation (scada)	2234.8	A5	Total SAR Inflows	122.9
minus			L1	SCE SAR AVM (SCADA)	0.0	Y	Debris Pool Elevation	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	17.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.6							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	10.7	W1	Redlands Aqueduct / Sandbox	7.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	104.3	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	10.7	Sedimentation Basin Recharge			Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.7	L2	SBVWCD Parshall Flume	115.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boulliou	1.3	Irrigation			Parshall Flume (SCADA)			C1	Greenspot Pipeline	1.3
S1	Tres Lagos	0.0	D2	Boulliou Box Weir	0.0	minus			I2	Tailrace Pipeline	10.7
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boulliou	1.3	J2	Tailrace Valve to Parshall Flume	0.0	L2	SBVWCD Parshall Flume	115.0
Greenspot Pipeline			N	BVMWC Boulliou Box	0.0	K2	Northfork Parshall Flume	10.7	L2	Sedimentation Recharge	0.0
1.3			minus			I1	Redlands Tunnel	0.6	Total SAR Deliveries		
			B2	Gay Overflow	1.3	N2	Total SAR Deliveries	122.9			
			Irrigation								
			C2	Irrigation	0.0						

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	20.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	20.0			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	20.0	H3	Mentore Reservoir Level	17.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	20.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	0.0				Y3	Crafton Reservoir Level (21.3)	17.6
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	20.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	20.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	864.8	I4	1,768.8	176,000	I4	1,281.2	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	183.5		O4	492.5	
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0	
C4	Mill Creek	MC	G4	34.2	K4	773.9	106,000	K4	149.1	106,000
D4	Mill Creek	SWP	H4	485.8	L4	0.0		L4	0.0	
	Plunge Creek	PLC		21.8		858.9			772.4	
SAR Passing Cuttle Weir (cfs)	1		Share of Lost SAR Flow	0.9524	Estimate SAR flow (cfs)	0		Estimate SAR Recharge (AF)	2	
Mill Creek Passing Garnet (cfs)	20		Share of Lost Mill Creek Flow	19	Estimate Mill Creek flow (cfs)	1		Estimate Mill Creek Recharge (AF)	707	
Flow in the River Above Alabama	21		Flowing Beyond Alabama	20	Total River Flow (cfs)	1		Total River Recharge (AF)	15	