

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 5/25/2023
 Time: 6:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	229.3
N2	Total SAR Deliveries	229.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	1.7
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	79.0
G2	North Fork Canal Weir	7.1
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	21.5
z2	Cuttle Weir to River	120.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	60.0
U3	Total MC Deliveries	60.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	60.0
T3	MC #1 Flow (Cooley Hat)	14.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	4.4
V	Total SWP Deliveries	4.4
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	2203.8
Crafton Reservoir Level (21.3)	17.0
Mentone Reservoir Level	17.0

River Recharge	AF
Estimate SAR Recharge (AF)	39
Estimate Mill Creek Recharge (AF)	31
Estimated Total River Recharge (AF)	70

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	33,689	176,000
Santa Ana River to Mill Creek	SAR-MC	1,449	0
Santa Ana River	SWP	234	0
Mill Creek	MC	10,698	106,000
Mill Creek	SWP	1,197	0
Plunge Creek	PLC	2,391	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	4.4	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 Boulliou Box	4.4	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	0.0	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	4.4
F	Recharge Project	0.0									
G	Total SWP Inflows	4.4									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	7.1	A2	Newport	0.0	D1	BVMWC River PU (USGS)	42.5	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	1.7	E1	Main River Gage (USGS)	185.1	B1	BVMWC Highline	1.7
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	13.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	42.5
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	1.7	Z1	SOD Release Subtotal	227.6	E1	Main River Gage (USGS)	185.1
W1	Redlands Aqueduct / Sandbox	20.5							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	3.0							A5	Total SAR Inflows	229.3
Minus			Other						Edison Generation		
D1	BVMWC River PU (USGS)	42.5	J1	Big Bear Lake Release	0.3	W	Observation at SOD	2203.8			
I1	Redlands Tunnel	2.0	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2202.9			
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	7.1	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	13.9	W1	Redlands Aqueduct / Sandbox	20.5
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	65.1	Y1	Redlands Sandbox Spill	3.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	13.9				Z2	Cuttle Weir To River	120.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	21.0				B1	BVMWC Highline	1.7
R1	BVMWC Highline to Boulliou	0.0				Sedimentation Basin Recharge			C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0				L2 SBVWCD Parshall Flume 79.0			I2	Tailrace Pipeline	21.0
T1	Tate Pump Station to Zanja	0.0				Parshall Flume (SCADA) 66.6			L2	SBVWCD Parshall Flume	79.0
C1	Greenspot Pipeline	0.0							L2	Sedimentation Recharge	0.0
									minus		
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	13.9
									I1	Redlands Tunnel	2.0
									N2	Total SAR Deliveries	229.3

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	13.7
B3	M/C #3 Penstock	14.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	45.3	G3	Observation at Garnet	100.0
D3	Total MC Inflows	60.0			

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	45.3	H3	Mentore Reservoir Level	17.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	14.7	T3	Mill Creek #1 Flow (Cooley Hat)	14.7	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	60.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	14.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	14.0				Y3	Crafton Reservoir Level (21.3)	17.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	45.3
L3	East Weir (MC)	14.7
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	60.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	156.7	I4	33,688.9	176,000	I4	33,201.1	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	1,448.8		O4	1,265.3		
B4	Santa Ana River	SWP	F4	0.0	J4	234.3		J4	234.3		
C4	Mill Creek	MC	G4	115.0	K4	10,697.8	106,000	K4	10,073.0	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	1,196.9		L4	962.6		
	Plunge Creek	PLC		7.9		2,390.5			2,269.1		
SAR Passing Cuttle Weir (cfs)		120	Share of Lost SAR Flow		100.91	Estimate SAR flow (cfs)		19	Estimate SAR Recharge (AF)		39
Mill Creek Passing Garnet (cfs)		100	Share of Lost Mill Creek Flow		84	Estimate Mill Creek flow (cfs)		16	Estimate Mill Creek Recharge (AF)		31
Flow in the River Above Alabama		220	Flowing Beyond Alabama		185	Total River Flow (cfs)		35	Total River Recharge (AF)		70