

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/25/2022

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	43.4
N2	Total SAR Deliveries	43.4
A1	SAR PH#3 Penstock (calc)	21.5
B1	BVMWC Highline	4.4
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	18.0
G2	North Fork Canal Weir	3.5
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	16.6
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	19.7
U3	Total MC Deliveries	19.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	19.7

Reservoir Levels	Feet
Observation at SOD	2170.1
Crafton Reservoir Level (21.3)	17.3
Mentone Reservoir Level	17.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.1
V	Total SWP Deliveries	3.1
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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	6,461	176,000
Santa Ana River to Mill Creek	SAR-MC	257	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,116	106,000
Mill Creek	SWP	9	0
Plunge Creek	PLC	851	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, and not necessarily what is at that location through out the day.

Daily Flow Report

4/25/2022

Time: 7:00:00 AM

Inflows		
A	BBMWD In-lieu	0.0
B	Muni test at Greenspot Station	0.0
C	Exchange Water	0.0
D	Purchased Water	3.1
E	Redlands Aqueduct Leakage	0.0
F	Recharge Project	0.0
G	Total SWP Inflows	3.1

Deliveries								
H	EVVD City Creek	3.1	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
I	Santa Ana Low Turnout	0.0	N	BVMWC Boullioun Box	0.0	T	Newport for BVMWC	0.0
J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	3.1

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	3.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	8.8	A1	SAR PH #3 Penstock (calc)	21.5
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.4	E1	Main River Gage (USGS)	8.7	B1	BVMWC Highline	4.4
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	9.3	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	8.8
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline 4.4		Z1	SOD Release Subtotal 17.5		E1	Main River Gage (USGS)	8.7
W1	Redlands Aqueduct / Sandbox	16.9	Other						D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	
Minus			J1	Big Bear Lake Release	0.4	W	Observation at SOD	2170.1	Edison Generation		
	BVMWC River PU (USGS)	8.8	L1	SCE SAR AVM (SCADA)	29.3	X	SOD Reservoir Elevation (scada)	N/A	SAR PH#1 Generating		☐
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating		☒
A1	SAR PH #3 Penstock (calc) 21.5										
K1	PH3# Penstock (SCADA) N/A										

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.5	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	9.3	W1	Redlands Aqueduct / Sandbox	16.9
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	8.7	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.3				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline 13.7		Sedimentation Basin Recharge 0.0			B1	BVMWC Highline	4.4
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume 18.0		C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0	Irrigation						I2	Tailrace Pipeline	13.7
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	4.4				L2	SBVWCD Parshall Flume	18.0
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0				L2	Sedimentation Recharge	0.0
			minus						minus		
			B2	Gay Overflow	2.1				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	2.3				K2	Northfork Parshall Flume	9.3
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	43.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	6.2	E3	M/C #1 Penstock Flow	19.7
B3	M/C #3 Penstock	13.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	19.7			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	11.1	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	17.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	19.7	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	8.6	U3	Total MC Deliveries	19.7	V3	Zanja West Weir to CWC Canal	5.3
			T3	MC #1 Flow (Cooley Hat)	19.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading			N3	Cooley Hat (SCADA)	21.5				Y3	Crafton Reservoir Level (21.3)	17.3
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	120.2		I4	6,461.1	176,000	I4	5,584.5	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	4.6		O4	256.9		O4	173.2		
B4	Santa Ana River	SWP	F4	0.0		J4	0.0		J4	0.0		
C4	Mill Creek	MC	G4	4.0		K4	1,116.0	106,000	K4	494.0	106,000	
D4	Mill Creek	SWP	H4	0.0		L4	8.7		L4	0.0		
	Plunge Creek	PLC		0.0			851.0			354.5		
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)		0	Share of Lost Mill Creek Flow			0	Estimate Mill Creek flow (cfs)			Estimate Mill Creek Recharge (AF)		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama			0	Total River Flow (cfs)		0	Total River Recharge (AF)		0