

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/10/2023
 Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	238.0
N2	Total SAR Deliveries	238.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	164.0
G2	North Fork Canal Weir	3.3
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	20.7
z2	Cuttle Weir to River	50.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	78.0
U3	Total MC Deliveries	78.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	68.2
T3	MC #1 Flow (Cooley Hat)	16.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	31.1
V	Total SWP Deliveries	31.1
J	Northfork Canal	3.8
L	Redlands Aqueduct	3.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2194.2
Crafton Reservoir Level (21.3)	14.4
Mentone Reservoir Level	18.5

River Recharge	AF
Estimate SAR Recharge (AF)	95
Estimate Mill Creek Recharge (AF)	3
Estimated Total River Recharge (AF)	98

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	25,774	176,000
Santa Ana River to Mill Creek	SAR-MC	1,388	0
Santa Ana River	SWP	165	0
Mill Creek	MC	4,731	106,000
Mill Creek	SWP	917	0
Plunge Creek	PLC	2,073	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.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 4/10/2023
Time: 6:50:00 AM

State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	1.1	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	1.1	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	3.8	P	SARC West	0.0	U	M/C spreading at Zanja Tate	20.0
D	Purchased Water	7.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	3.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	31.1
F	Recharge Project	23.0									
G	Total SWP Inflows	31.1									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	3.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	36.9	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	201.1	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	12.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	36.9	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	238.0	E1	Main River Gage (USGS)	201.1	
W1	Redlands Aqueduct / Sandbox	21.7							D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	238.0	
minus			Other			w			Edison Generation			
D1	BVMWC River PU (USGS)	36.9	J1	Big Bear Lake Release	0.3	w	Observation at SOD	2194.2	SAR PH#1 Generating			<input type="checkbox"/>
I1	Redlands Tunnel	1.0	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2193.7	SAR PH#3 Generating			<input type="checkbox"/>
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	6.2	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	3.3	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	12.9	W1	Redlands Aqueduct / Sandbox	21.7
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	151.1	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	12.9	Sedimentation Basin Recharge			Z2	Cuttle Weir To River	50.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	16.2	L2	SBVWCD Parshall Flume	164.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boulliou	0.0	Irrigation			Parshall Flume (SCADA)			C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	D2	Boulliou Box Weir	0.0	minus			I2	Tailrace Pipeline	16.2
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boulliou	0.0	J2	Tailrace Valve to Parshall Flume	0.0	L2	SBVWCD Parshall Flume	164.0
C1	Greenspot Pipeline	0.0	N	BVMWC Boulliou Box	1.1	K2	Northfork Parshall Flume	12.9	L2	Sedimentation Recharge	0.0
			minus			I1	Redlands Tunnel	1.0	N2	Total SAR Deliveries	238.0
			B2	Gay Overflow	1.7						
			C2	Irrigation	-0.6						

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	16.0
B3	M/C #3 Penstock	16.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	62.0	G3	Observation at Garnet	2.0
D3	Total MC Inflows	78.0			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	9.6	C3	SBVWCD Mill Creek Diversion	62.0	H3	Mentore Reservoir Level	18.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	1.0	T3	Mill Creek #1 Flow (Cooley Hat)	16.0	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	5.4	U3	Total MC Deliveries	78.0	V3	Zanja West Weir to CWC Canal	3.5
			T3	MC #1 Flow (Cooley Hat)	16.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	16.0				Y3	Crafton Reservoir Level (21.3)	14.4

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	61.0
L3	East Weir (MC)	1.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	6.2
O3	SBVWCD MC Spreading	68.2

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	981.8	I4	25,773.5	176,000	I4	25,286.0	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	23.6	O4	1,388.4		O4	1,204.9	
B4	Santa Ana River	SWP	F4	18.9	J4	165.4		J4	165.4	
C4	Mill Creek	MC	G4	345.1	K4	4,731.0	106,000	K4	4,106.2	106,000
D4	Mill Creek	SWP	H4	118.6	L4	917.0		L4	917.0	
	Plunge Creek	PLC		29.8		2,073.2			1,951.7	
SAR Passing Cuttle Weir (cfs)	50		Share of Lost SAR Flow	28.846	Estimate SAR flow (cfs)	21		Estimate SAR Recharge (AF)	95	
Mill Creek Passing Garnet (cfs)	2		Share of Lost Mill Creek Flow	1	Estimate Mill Creek flow (cfs)	1		Estimate Mill Creek Recharge (AF)	3	
Flow in the River Above Alabama	52		Flowing Beyond Alabama	30	Total River Flow (cfs)	22		Total River Recharge (AF)	98	