

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 10/31/2023

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	51.3
N2	Total SAR Deliveries	51.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	35.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	15.4
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	23.3
U3	Total MC Deliveries	23.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	2.1
T3	MC #1 Flow (Cooley Hat)	23.3

Reservoir Levels	Feet
Observation at SOD	2186.8
Crafton Reservoir Level (21.3)	18.6
Mentone Reservoir Level	17.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	59.1
V	Total SWP Deliveries	59.1
J	Northfork Canal	0.0
L	Redlands Aqueduct	12.7
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)	20
Estimated Total River Recharge (AF)	20

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	3,103	176,000
Santa Ana River to Mill Creek	SAR-MC	6	0
Santa Ana River to Mill Creek	SWP	712	0
Santa Ana River	SWP	276	0
Mill Creek	MC	0	106,000
Mill Creek	SWP	2,083	0
Plunge Creek	PLC	6	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. Water in Mill Creek at the east weir is being turned out to river due to Mill Creek diversion project.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 10/31/2023
Time: 7:00:00 AM

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	5.1	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	40.0
D	Purchased Water	7.4	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	12.7	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 59.1	
F	Recharge Project	51.7									
G	Total SWP Inflows	59.1									

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)	24.2	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	27.1	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	7.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	24.2	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	51.3	E1	Main River Gage (USGS)	27.1	
W1	Redlands Aqueduct / Sandbox	8.7							D1a	BV Pick-Up gated	☐	
Y1	Redlands Sandbox Spill	7.9							A5	Total SAR Inflows	51.3	
Minus			Other						Edison Generation			
D1	BVMWC River PU (USGS)	24.2	J1	Big Bear Lake Release	1.2	W	Observation at SOD	2186.8	SAR PH#1 Generating			☐
I1	Redlands Tunnel	1.2	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2186.2	SAR PH#3 Generating			☐
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 FlumeTo 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	0.9	K2	Northfork Parshall Flume	7.9	W1	Redlands Aqueduct / Sandbox	8.7	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	27.1	Y1	Redlands Sandbox Spill	7.9	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	7.9				Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	8.8	Sedimentation Basin Recharge			0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	35.0	C1	Greenspot Pipeline	0.0	
S1	Tres Lagos	0.0	Irrigation			Parshall Flume (SCADA)			20.6	I2	Tailrace Pipeline	8.8
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	35.0	
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0	
			N	BVMWC Boullioun Box	5.1				minus			
									J2	Tailrace Valve to Parshall Flume	0.0	
			B2	Gay Overflow	3.1				K2	Northfork Parshall Flume	7.9	
			C2	Irrigation	2.0				I1	Redlands Tunnel	1.2	
									N2	Total SAR Deliveries	51.3	

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	8.2	E3	M/C #1 Penstock Flow	23.3
B3	M/C #3 Penstock	15.1	F3	Stream Parshall Flume to Yucaipa	
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	11.0
D3	Total MC Inflows	23.3			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	14.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	17.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	2.1	T3	Mill Creek #1 Flow (Cooley Hat)	23.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	7.2	U3	Total MC Deliveries	23.3	V3	Zanja West Weir to CWC Canal	3.2
			T3	MC #1 Flow (Cooley Hat)	23.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	22.3				Y3	Crafton Reservoir Level (21.3)	18.6
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	2.1									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	2.1									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	79.3	I4	3,102.6	176,000	I4	50,131.7	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	6.0		O4	1,444.3	
	Santa Ana Rvr to Mill Creek	SWP		23.8		712.0			1,580.8	
B4	Santa Ana River	SWP	F4	0.0	J4	276.4		J4	1,888.8	
C4	Mill Creek	MC	G4	0.0	K4	0.0	106,000	K4	16,006.0	106,000
D4	Mill Creek	SWP	H4	79.3	L4	2,082.9		L4	4,746.7	
	Plunge Creek	PLC		0.0		5.6			2,608.2	
SAR Passing Cuttle Weir (cfs)			Share of Lost SAR Flow		Estimate SAR flow (cfs)		0	Estimate SAR Recharge (AF)		0
Mill Creek Passing Garnet (cfs)			Share of Lost Mill Creek Flow		Estimate Mill Creek flow (cfs)		5	Estimate Mill Creek Recharge (AF)		20
Flow in the River Above Alabama			Flowing Beyond Alabama		Total River Flow (cfs)		5	Total River Recharge (AF)		20