

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/5/2023
 Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	235.1
N2	Total SAR Deliveries	235.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	168.0
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	14.2
Z2	Cuttle Weir to River	50.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	69.2
U3	Total MC Deliveries	69.2
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	64.2
T3	MC #1 Flow (Cooley Hat)	15.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	27.2
V	Total SWP Deliveries	27.2
J	Northfork Canal	0.0
L	Redlands Aqueduct	3.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2205.4
Crafton Reservoir Level (21.3)	15.2
Mentone Reservoir Level	17.7

River Recharge	AF
Estimate SAR Recharge (AF)	42
Estimate Mill Creek Recharge (AF)	2
Estimated Total River Recharge (AF)	44

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	24,111	176,000
Santa Ana River to Mill Creek	SAR-MC	1,247	0
Santa Ana River	SWP	135	0
Mill Creek	MC	4,136	106,000
Mill Creek	SWP	719	0
Plunge Creek	PLC	2,034	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	1.0	H	EVWD City Creek	3.0	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	1.0	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	20.0
D	Purchased Water	3.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	3.2	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	27.2
F	Recharge Project	23.2									
G	Total SWP Inflows	27.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	2.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	30.1	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	205.0	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	13.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	30.1	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	235.1	E1	Main River Gage (USGS)	205.0	
W1	Redlands Aqueduct / Sandbox	15.2							D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	235.1	
minus			Other			w			Edison Generation			
D1	BVMWC River PU (USGS)	30.1	J1	Big Bear Lake Release	0.3	w	Observation at SOD	2205.4	SAR PH#1 Generating			<input type="checkbox"/>
I1	Redlands Tunnel	1.0	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2204.7	SAR PH#3 Generating			<input type="checkbox"/>
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	4.2	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	2.9	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	13.0	W1	Redlands Aqueduct / Sandbox	15.2	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	155.0	Y1	Redlands Sandbox Spill	0.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	13.0	Sedimentation Basin Recharge			Z2	Cuttle Weir To River	50.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	15.9	L2	SBVWCD Parshall Flume	168.0	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	15.9	
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	168.0	
C1	Greenspot Pipeline	0.0	N	BVMWC Boulliou Box	1.0	K2	Northfork Parshall Flume	13.0	L2	Sedimentation Recharge	0.0	
			minus			I1	Redlands Tunnel	1.0	Total SAR Deliveries			235.1
			B2	Gay Overflow	1.4	N2						
			C2	Irrigation	-0.4							

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	15.0
B3	M/C #3 Penstock	15.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	54.2	G3	Observation at Garnet	2.0
D3	Total MC Inflows	69.2			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	8.0	C3	SBVWCD Mill Creek Diversion	54.2	H3	Mentore Reservoir Level	17.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	5.8	T3	Mill Creek #1 Flow (Cooley Hat)	15.0	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.2	U3	Total MC Deliveries	69.2	V3	Zanja West Weir to CWC Canal	1.4
			T3	MC #1 Flow (Cooley Hat)	15.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	15.9				Y3	Crafton Reservoir Level (21.3)	15.2

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	54.2
L3	East Weir (MC)	5.8
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	4.2
O3	SBVWCD MC Spreading	64.2

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	327.3	I4	24,111.3	176,000	I4	23,623.8	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	2.2	O4	1,247.0		O4	1,063.4	
B4	Santa Ana River	SWP	F4	6.3	J4	134.5		J4	134.5	
C4	Mill Creek	MC	G4	125.0	K4	4,135.9	106,000	K4	3,511.2	106,000
D4	Mill Creek	SWP	H4	39.7	L4	719.0		L4	719.0	
	Plunge Creek	PLC		15.9		2,033.5			1,912.1	
SAR Passing Cuttle Weir (cfs)	50		Share of Lost SAR Flow	33.654	Estimate SAR flow (cfs)	16		Estimate SAR Recharge (AF)	42	
Mill Creek Passing Garnet (cfs)	2		Share of Lost Mill Creek Flow	1	Estimate Mill Creek flow (cfs)	1		Estimate Mill Creek Recharge (AF)	2	
Flow in the River Above Alabama	52		Flowing Beyond Alabama	35	Total River Flow (cfs)	17		Total River Recharge (AF)	44	