

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 6/5/2023
 Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	174.9
N2	Total SAR Deliveries	174.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	70.0
G2	North Fork Canal Weir	7.9
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	24.1
z2	Cuttle Weir to River	72.0

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)	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	4.0
V	Total SWP Deliveries	4.0
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	2193.1
Crafton Reservoir Level (21.3)	14.9
Mentone Reservoir Level	17.8

River Recharge	AF
Estimate SAR Recharge (AF)	120
Estimate Mill Creek Recharge (AF)	115
Estimated Total River Recharge (AF)	235

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	35,256	176,000
Santa Ana River to Mill Creek	SAR-MC	1,449	0
Santa Ana River	SWP	234	0
Mill Creek	MC	11,915	106,000
Mill Creek	SWP	1,197	0
Plunge Creek	PLC	2,478	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: 6/5/2023
Time: 6:45:00 AM

State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	4.0	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	4.0	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	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	4.0
F	Recharge Project	0.0									
G	Total SWP Inflows	4.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	7.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	33.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	141.2	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	0.8	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	3.4	D1	BVMWC River PU (USGS)	33.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	171.5	E1	Main River Gage (USGS)	141.2
W1	Redlands Aqueduct / Sandbox	22.1	Other			W	Observation at SOD	2193.1	D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	3.0	J1	Big Bear Lake Release	0.3	X	SOD Reservoir Elevation (scada)	2192.6	A5	Total SAR Inflows	174.9
Minus			L1	SCE SAR AVM (SCADA)	1.6	Y	Debris Pool Elevation	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	33.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	1.0							SAR PH#3 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0									
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	7.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.8	W1	Redlands Aqueduct / Sandbox	22.1
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	69.2	Y1	Redlands Sandbox Spill	3.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.8	Sedimentation Basin Recharge		0.0	Z2	Cuttle Weir To River	72.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	9.6	L2	SBVWCD Parshall Flume	70.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0	Irrigation			Parshall Flume (SCADA)		56.1	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	D2	Boullioun Box Weir	0.0				I2	Tailrace Pipeline	9.6
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	70.0
Greenspot Pipeline		0.0	N	BVMWC Boullioun Box	4.0				L2	Sedimentation Recharge	0.0
			minus						minus		
			B2	Gay Overflow	2.5				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	1.5				K2	Northfork Parshall Flume	0.8
									I1	Redlands Tunnel	1.0
									N2	Total SAR Deliveries	174.9

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	60.0	G3	Observation at Garnet	40.0
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	60.0	H3	Mentone Reservoir Level	17.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	Total MC Deliveries		60.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	6.5
			N3	Cooley Hat (SCADA)	0.0				Y3	Crafton Reservoir Level (21.3)	14.9
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	60.0									
L3	East Weir (MC)	0.0									
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	434.4	I4	35,255.5	176,000	I4	34,768.0	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	234.4	
C4	Mill Creek	MC	G4	303.5	K4	11,915.1	106,000	K4	11,290.3	106,000
D4	Mill Creek	SWP	H4	0.0	L4	1,196.9		L4	962.6	
	Plunge Creek	PLC		23.8		2,477.8			2,356.4	
SAR Passing Cuttle Weir (cfs)	72		Share of Lost SAR Flow	51.429	Estimate SAR flow (cfs)	21		Estimate SAR Recharge (AF)	120	
Mill Creek Passing Garnet (cfs)	40		Share of Lost Mill Creek Flow	29	Estimate Mill Creek flow (cfs)	11		Estimate Mill Creek Recharge (AF)	115	
Flow in the River Above Alabama	112		Flowing Beyond Alabama	80	Total River Flow (cfs)	32		Total River Recharge (AF)	235	