

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/11/2023
 Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	102.3
N2	Total SAR Deliveries	102.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	66.0
G2	North Fork Canal Weir	5.3
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	27.1
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	46.9
U3	Total MC Deliveries	46.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	37.0
T3	MC #1 Flow (Cooley Hat)	13.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	7.2
V	Total SWP Deliveries	7.2
J	Northfork Canal	3.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2168.1
Crafton Reservoir Level (21.3)	15.2
Mentone Reservoir Level	17.2

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	40,879	176,000
Santa Ana River to Mill Creek	SAR-MC	1,508	0
Santa Ana River	SWP	234	0
Mill Creek	MC	15,452	106,000
Mill Creek	SWP	1,197	0
Plunge Creek	PLC	2,609	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	4.2	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 Boulliou Box	2.9	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	3.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	3.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	7.2
F	Recharge Project	0.0									
G	Total SWP Inflows	7.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	5.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	38.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boulliou Box Weir	3.0	E1	Main River Gage (USGS)	61.1	B1	BVMWC Highline	3.0
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	4.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	38.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.0	Z1	SOD Release Subtotal	99.3	E1	Main River Gage (USGS)	61.1
W1	Redlands Aqueduct / Sandbox	28.0							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	102.3
Minus			Other			Edison Generation					
D1	BVMWC River PU (USGS)	38.2	J1	Big Bear Lake Release	0.6	W	Observation at SOD	2168.1	SAR PH#1 Generating <input type="checkbox"/>		
I1	Redlands Tunnel	0.9	L1	SCE SAR AVM (SCADA)	2.3	X	SOD Reservoir Elevation (scada)	2168.6	SAR PH#3 Generating <input type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	4.0	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	5.3	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	4.9	W1	Redlands Aqueduct / Sandbox	28.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	61.1	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	4.9	minus			Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	11.1	minus			B1	BVMWC Highline	3.0
R1	BVMWC Highline to Boulliou	0.0				minus			C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation			Parshall Flume (SCADA)			I2	Tailrace Pipeline	11.1
T1	Tate Pump Station to Zanja	0.0	D2	Boulliou Box Weir	3.0	L2	SBVWCD Parshall Flume	66.0	L2	SBVWCD Parshall Flume	66.0
Greenspot Pipeline			R1	BVMWC Highline to Boulliou	0.0	Parshall Flume (SCADA)			L2	Sedimentation Recharge	0.0
0.0			N	BVMWC Boulliou Box	2.9	48.3			minus		
0.0			minus			minus			J2	Tailrace Valve to Parshall Flume	0.0
0.0			B2	Gay Overflow	2.5	minus			K2	Northfork Parshall Flume	4.9
0.0			C2	Irrigation	3.4	minus			I1	Redlands Tunnel	0.9
0.0						minus			N2	Total SAR Deliveries	102.3

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	13.9
B3	M/C #3 Penstock	13.9	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	33.0	G3	Observation at Garnet	1.0
D3	Total MC Inflows	46.9			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	7.5	C3	SBVWCD Mill Creek Diversion	33.0	H3	Mentore Reservoir Level	17.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	13.9	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.4	U3	Total MC Deliveries	46.9	V3	Zanja West Weir to CWC Canal	2.6
SBVWCD MC Spreading			T3	MC #1 Flow (Cooley Hat)	13.9	minus			W3	Mill Creek PH #2,3 Afterbay Spill	0.0
C3	SBVWCD Mill Creek Diversion	33.0	N3	Cooley Hat (SCADA)	13.0	minus			Y3	Crafton Reservoir Level (21.3)	15.2
L3	East Weir (MC)	0.0				minus					
M3	BVHL (SAR)	0.0				minus					
X1	SAR-MC Spread (Red. Aqueduct)	4.0				minus					
O3	SBVWCD MC Spreading	37.0				minus					

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	114.5	I4	40,878.6	176,000	I4	40,391.1	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	7.9	O4	1,508.3		O4	1,224.8	
B4	Santa Ana River	SWP	F4	0.0	J4	234.3		J4	234.3	
C4	Mill Creek	MC	G4	61.5	K4	15,451.8	106,000	K4	14,827.0	106,000
D4	Mill Creek	SWP	H4	0.0	L4	1,196.9		L4	1,196.9	
	Plunge Creek	PLC		0.6		2,608.7			2,487.3	
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)	1		Share of Lost Mill Creek Flow	0	Estimate Mill Creek flow (cfs)	1		Estimate Mill Creek Recharge (AF)	0	
Flow in the River Above Alabama	1		Flowing Beyond Alabama	0	Total River Flow (cfs)	1		Total River Recharge (AF)	0	