

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/6/2024
 Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	41.1
N2	Total SAR Deliveries	41.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	3.9
G2	North Fork Canal Weir	10.3
H2	Edwards Canal	0.8
W1	Redlands Aqueduct (calc)	26.1
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	23.1
U3	Total MC Deliveries	23.1
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	8.0
T3	MC #1 Flow (Cooley Hat)	22.1

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	59.2
V	Total SWP Deliveries	59.2
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	2189.5
Crafton Reservoir Level (21.3)	19.0
Mentone Reservoir Level	18.1

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	27,634	176,000
Santa Ana River to Mill Creek	SAR-MC	332	0
Santa Ana River to Mill Creek	SWP	1,696	0
Santa Ana River	SWP	8,893	0
Mill Creek	MC	12,114	106,000
Mill Creek	SWP	1,324	0
Plunge Creek	PLC	1,324	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	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	30.0	N	BVMWC Boulliou Box	6.2	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	23.0
D	Purchased Water	6.2	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	59.2
F	Recharge Project	53.0									
G	Total SWP Inflows	59.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	10.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	37.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.8	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	3.9	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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	37.2
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	41.1	E1	Main River Gage (USGS)	3.9
W1	Redlands Aqueduct / Sandbox	26.3	Other				D1a	BV Pick-Up gated	<input type="checkbox"/>		
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	1.2	W	Observation at SOD	2189.5	A5	Total SAR Inflows	41.1
D1	BVMWC River PU (USGS)	37.2	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2189.8	Edison Generation		
I1	Redlands Tunnel	0.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#1 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH#3 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	10.3	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.8	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	26.3
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	3.9	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	11.1	L2	SBVWCD Parshall Flume	3.9	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boulliou	0.0	Irrigation		L2	Parshall Flume (SCADA)	0.0	C1	Greenspot Pipeline	11.1	
S1	Tres Lagos	0.0	D2	Boulliou Box Weir	0.0	minus		L2	SBVWCD Parshall Flume	3.9	
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boulliou	0.0	J2	Tailrace Valve to Parshall Flume	0.0	L2	Sedimentation Recharge	0.0
C1	Greenspot Pipeline	0.0	N	BVMWC Boulliou Box	6.2	K2	Northfork Parshall Flume	0.0	I1	Redlands Tunnel	0.2
			B2	Gay Overflow	2.1	I1	Redlands Tunnel	0.2	N2	Total SAR Deliveries	41.1
			C2	Irrigation	4.1						

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	5.8	E3	M/C #1 Penstock Flow	22.1
B3	M/C #3 Penstock	16.3	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	1.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	23.1			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	1.0	H3	Mentone Reservoir Level	18.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	7.0	T3	Mill Creek #1 Flow (Cooley Hat)	22.1	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.6	U3	Total MC Deliveries	23.1	V3	Zanja West Weir to CWC Canal	1.5
			T3	MC #1 Flow (Cooley Hat)	22.1			W3	Mill Creek PH #2,3 Afterbay Spill	0.0	
			N3	Cooley Hat (SCADA)	24.2			Y3	Crafton Reservoir Level (21.3)	19.0	
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	1.0									
L3	East Weir Recharge (MC)	7.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	8.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	9.5	I4	27,634.2	176,000	I4	20,023.9	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	332.4		O4	325.9	
	Santa Ana Rvr to Mill Creek	SWP		0.0		1,695.9			286.5	
B4	Santa Ana River	SWP	F4	59.5	J4	8,892.5		J4	5,562.6	
C4	Mill Creek	MC	G4	11.3	K4	12,113.9	106,000	K4	11,904.9	106,000
D4	Mill Creek	SWP	H4	45.6	L4	1,323.9		L4	7,601.2	
	Plunge Creek	PLC		0.0		1,323.6			1,302.0	
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)	0		Share of Lost Mill Creek Flow	0	Estimate Mill Creek flow (cfs)	0		Estimate Mill Creek Recharge (AF)	0	
Flow in the River Above Alabama	0		Flowing Beyond Alabama	0	Total River Flow (cfs)	0		Total River Recharge (AF)	0	