

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/25/2023

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	419.5
N2	Total SAR Deliveries	419.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	7.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	4.2
z2	Cuttle Weir to River	408.3

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	52.8
V	Total SWP Deliveries	52.8
J	Northfork Canal	0.0
L	Redlands Aqueduct	8.8
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

Reservoir Levels	Feet
Observation at SOD	2203.0
Crafton Reservoir Level (21.3)	16.6
Mentone Reservoir Level	17.9

River Recharge	AF
Estimate SAR Recharge (AF)	37
Estimate Mill Creek Recharge (AF)	11
Estimated Total River Recharge (AF)	48

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	44,380	176,000
Santa Ana River to Mill Creek	SAR-MC	1,622	0
Santa Ana River to Mill Creek	SWP	263	0
Santa Ana River	SWP	234	0
Mill Creek	MC	16,631	106,000
Mill Creek	SWP	1,580	0
Plunge Creek	PLC	2,654	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. *Mill Creek off line due to construction starting 8/8/2023 .

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	7.0	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	2.0	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	35.0
D	Purchased Water	17.8	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	8.8	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 52.8	
F	Recharge Project	35.0									
G	Total SWP Inflows	52.8									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J1	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	0.0
Y1	Redlands Sandbox Spill	4.7
		Minus
D1	BVMWC River PU (USGS)	4.2
I1	Redlands Tunnel	0.5
A1 SAR PH #3 Penstock (calc)		0.0
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	0.0
E2	Boullioun Box to Zanja	0.0
F2	SBVVCD Mill Creek Spreading	0.0
B1	BVMWC Highline	0.0
Other		
J1	Big Bear Lake Release	0.6
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	4.2
E1	Main River Gage (USGS)	415.3
		minus
F1	Greenspot Spill	0.0
Z1	SOD Release Subtotal	419.5
w Observation at SOD 2203.0		
x SOD Reservoir Elevation (scada) 2204.5		
y Debris Pool Elevation N/A		

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	4.2
E1	Main River Gage (USGS)	415.3
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	419.5
Edison Generation		
SAR PH#1 Generating		□
SAR PH#3 Generating		□

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	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	0.0	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	7.0	Y1	Redlands Sandbox Spill	4.7	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0				Z2	Cuttle Weir To River	408.3	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0	Sedimentation Basin Recharge			0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	7.0	C1	Greenspot Pipeline	0.0	
S1	Tres Lagos	0.0	Irrigation			Parshall Flume (SCADA)			NA	I2	Tailrace Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	7.0	
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0	
			N	BVMWC Boullioun Box	2.0				minus			
			minus						J2	Tailrace Valve to Parshall Flume	0.0	
			B2	Gay Overflow	1.8				K2	Northfork Parshall Flume	0.0	
			C2	Irrigation	0.2				I1	Redlands Tunnel	0.5	
									N2	Total SAR Deliveries	419.5	

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	0.0	G3	Observation at Garnet	115.0
D3	Total MC Inflows	0.0			

Mill Creek Deliveries

Yucaipa Pipeline		
H3	Yucaipa Regional Park	0.0
J3	Wilson Creek Spreading	0.0
K3	Yucaipa Pipeline	0.0
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

MC #1 Flow (Cooley Hat)		
P3	Tate Inflow	0.0
Q3	East Weir to Mill Creek	0.0
S3	East Weir to Zanja	0.0
T3	MC #1 Flow (Cooley Hat)	0.0
N3	Cooley Hat (SCADA)	0.4

Total MC Deliveries		
C3	SBVWCD Mill Creek Diversion	0.0
T3	Mill Creek #1 Flow (Cooley Hat)	0.0
U3	Total MC Deliveries	0.0

Other		
H3	Mentone Reservoir Level	17.9
R3	Boullioun to BVMWC Highline	0.0
V3	Zanja West Weir to CWC Canal	0.0
W3	Mill Creek PH #2,3 Afterbay Spill	0.0
Y3	Crafton Reservoir Level (21.3)	16.6

SBVWCD Recharge

Location		Type	Previous Day (AF)			WY To Date (AF)			Target	Calendar Year To Date (AF)			Target	
A4	Santa Ana River	SAR	E4	15.9		I4	44,380.4		176,000	I4	43,892.9		176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	1,621.9			O4	1,438.3			
	Santa Ana Rvr to Mill Creek	SWP		0.0			263.4				263.4			
B4	Santa Ana River	SWP	F4	0.0		J4	234.3			J4	234.3			
C4	Mill Creek	MC	G4	0.0		K4	16,630.8		106,000	K4	16,006.0		106,000	
D4	Mill Creek	SWP	H4	69.4		L4	1,580.4			L4	1,580.4			
	Plunge Creek	PLC		6.0			2,653.9				2,532.4			
SAR Passing Cattle Weir (cfs)		408	Share of Lost SAR Flow			390.12	Estimate SAR flow (cfs)			18	Estimate SAR Recharge (AF)			37
Mill Creek Passing Garnet (cfs)		115	Share of Lost Mill Creek Flow			110	Estimate Mill Creek flow (cfs)			5	Estimate Mill Creek Recharge (AF)			11
Flow in the River Above Alabama		523	Flowing Beyond Alabama			500	Total River Flow (cfs)			23	Total River Recharge (AF)			48