

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 1/26/2024

Time: 7:10:00 AM

Santa Ana River		Flow Rate (cfs)	Mill Creek		Flow Rate (cfs)
A5	Total SAR Inflows	82.1	D3	Total MC Inflows	21.8
N2	Total SAR Deliveries	82.1	U3	Total MC Deliveries	21.8
A1	SAR PH#3 Penstock (calc)	0.0	K3	Yucaipa Pipeline	0.0
B1	BVMWC Highline	0.0	O3	SBVWCD Spreading	10.0
C1	Greenspot Pipeline	0.0	T3	MC #1 Flow (Cooley Hat)	21.8
L2	SBVWCD Parshall Flume	61.0			
G2	North Fork Canal Weir	5.0			
H2	Edwards Canal	0.0			
W1	Redlands Aqueduct (calc)	14.7			
V1	PH3 Afterbay Spill Loss to SAR	1.4			
State Water Project		Flow Rate (cfs)	Reservoir Levels		Feet
G	Total SWP Inflows	17.2	Observation at SOD		2212.5
V	Total SWP Deliveries	17.7	Crafton Reservoir Level (21.3)		14.3
J	Northfork Canal	0.0	Mentone Reservoir Level		18.3
L	Redlands Aqueduct	0.0			
M	Crafton Unger Lane	0.0			
T	Newport to BVMWC	0.7			
			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		8,767	176,000	
Santa Ana River to Mill Creek	SAR-MC		13	0	
Santa Ana River to Mill Creek	SWP		1,645	0	
Santa Ana River	SWP		5,357	0	
Mill Creek	MC		771	106,000	
Mill Creek	SWP		6,945	0	
Plunge Creek	PLC		85	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. Water in Mill Creek at the east weir is being turned out to river due to Mill Creek diversion project.

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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	0.0	N	BVMWC Boullioun Box	1.9	T	Newport for BVMWC	0.7
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	15.1
D	Purchased Water	17.2	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 17.7	
F	Recharge Project	0.0									
G	Total SWP Inflows	17.2									

ERROR

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	5.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	7.1
V1	PH#3 Afterbay SpillLoss to SAR	1.4
W1	Redlands Aqueduct / Sandbox	15.2
Y1	Redlands Sandbox Spill	0.0
		Minus
D1	BVMWC River PU (USGS)	28.2
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	Boulliouin Box Weir	0.0
E2	Boulliouin Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	0.0
Other		
J1	Big Bear Lake Release	0.9
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	28.2
E1	Main River Gage (USGS)	53.9
		minus
F1	Greenspot Spill	0.0
Z1	SOD Release Subtotal	82.1
W	Observation at SOD	2212.5
X	SOD Reservoir Elevation (scada)	2211.7
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)	28.2
E1	Main River Gage (USGS)	53.9
D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	82.1
Edison Generation		
SAR PH#1 Generating		☐
SAR PH#3 Generating		☐

Santa Ana River Deliveries

Greenspot Pipeline		
M1	Redlands sand box	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Tres Lagos	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	5.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	7.1
I2	Tailrace Pipeline	12.1
Irrigation		
D2	Boullioun Box Weir	0.0
R1	BVMWC Highline to Boullioun	0.0
N	BVMWC Boullioun Box	1.9
minus		
B2	Gay Overflow	1.4
C2	Irrigation	0.5

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	7.1
H1	SBVWCD Diversion	53.9
Sedimentation Basin Recharge		
L2	SBVWCD Parshall Flume	61.0
	Parshall Flume (SCADA)	53.1

Deliveries		
V1	SAR PH #3 Afterbay Spill	1.4
W1	Redlands Aqueduct / Sandbox	15.2
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	12.1
L2	SBVWCD Parshall Flume	61.0
L2	Sedimentation Recharge	0.0
minus		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	7.1
I1	Redlands Tunnel	0.5
N2	Total SAR Deliveries	82.1

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	7.8	E3	M/C #1 Penstock Flow	21.8
B3	M/C #3 Penstock	14.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	21.8			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	6.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	18.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	10.0	T3	Mill Creek #1 Flow (Cooley Hat)	21.8	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	5.3	U3	Total MC Deliveries	21.8	V3	Zanja West Weir to CWC Canal	2.7
			T3	MC #1 Flow (Cooley Hat)	21.8				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading			N3	Cooley Hat (SCADA)	25.6				Y3	Crafton Reservoir Level (21.3)	14.3
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir Recharge (MC)	10.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	10.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)			WY To Date (AF)			Target	Calendar Year To Date (AF)			Target		
A4	Santa Ana River	SAR	E4	128.9		I4	8,767.2		176,000	I4	1,156.8		176,000		
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.2		O4	13.0			O4	6.5				
	Santa Ana Rvr to Mill Creek	SWP		0.0			1,645.1				235.7				
B4	Santa Ana River	SWP	F4	0.0		J4	5,357.1			J4	2,027.2				
C4	Mill Creek	MC	G4	19.4		K4	770.9		106,000	K4	561.9		106,000		
D4	Mill Creek	SWP	H4	29.8		L4	6,945.4			L4	1,315.7				
	Plunge Creek	PLC		6.0			85.3				63.6				
SAR Passing Cattle 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