

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 11/14/2023
 Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	57.8
N2	Total SAR Deliveries	57.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	43.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	14.8
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	23.3
U3	Total MC Deliveries	23.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	23.3

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	94.6
V	Total SWP Deliveries	94.6
J	Northfork Canal	5.0
L	Redlands Aqueduct	13.8
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2185.3
Crafton Reservoir Level (21.3)	15.6
Mentone Reservoir Level	17.8

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	22
Estimated Total River Recharge (AF)	22

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	4,475	176,000
Santa Ana River to Mill Creek	SAR-MC	6	0
Santa Ana River to Mill Creek	SWP	1,018	0
Santa Ana River	SWP	828	0
Mill Creek	MC	0	106,000
Mill Creek	SWP	3,159	0
Plunge Creek	PLC	6	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	36.0	N	BVMWC Boullioun Box	4.8	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	5.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	35.0
D	Purchased Water	9.8	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	13.8	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	94.6
F	Recharge Project	84.8									
G	Total SWP Inflows	94.6									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	22.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	35.1	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	7.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	22.7
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	57.8	E1	Main River Gage (USGS)	35.1
W1	Redlands Aqueduct / Sandbox	15.6							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	57.8
	Minus										
D1	BVMWC River PU (USGS)	22.7				W	Observation at SOD	2185.3			
I1	Redlands Tunnel	0.8	J1	Big Bear Lake Release	1.0	X	SOD Reservoir Elevation (scada)	2184.9			
A1	SAR PH #3 Penstock (calc)	0.0	L1	SCE SAR AVM (SCADA)	0.0	Y	Debris Pool Elevation	N/A			
K1	PH#3 Penstock (SCADA)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0						

Edison Generation	
SAR PH#1 Generating	<input type="checkbox"/>
SAR PH#3 Generating	<input type="checkbox"/>

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To 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	7.9	W1	Redlands Aqueduct / Sandbox	15.6
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	35.1	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	7.9		Sedimentation Basin Recharge	0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	7.9	L2	SBVWCD Parshall Flume	43.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0					Parshall Flume (SCADA)	30.2	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0							I2	Tailrace Pipeline	7.9
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	43.0
C1	Greenspot Pipeline	0.0							L2	Sedimentation Recharge	0.0
										minus	
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	7.9
									I1	Redlands Tunnel	0.8
									N2	Total SAR Deliveries	57.8

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	8.6	E3	M/C #1 Penstock Flow	23.3
B3	M/C #3 Penstock	14.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	15.0
D3	Total MC Inflows	23.3			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	14.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	17.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	9.3	T3	Mill Creek #1 Flow (Cooley Hat)	23.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	23.3	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	23.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	23.0				Y3	Crafton Reservoir Level (21.3)	15.6

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	99.2	I4	4,475.4	176,000	I4	51,504.5	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	6.0		O4	1,444.3	
	Santa Ana Rvr to Mill Creek	SWP		24.8		1,017.6			1,886.4	
B4	Santa Ana River	SWP	F4	73.4	J4	827.5		J4	2,439.9	
C4	Mill Creek	MC	G4	0.0	K4	0.0	106,000	K4	16,006.0	106,000
D4	Mill Creek	SWP	H4	72.5	L4	3,158.6		L4	5,822.4	
	Plunge Creek	PLC		0.0		5.6			2,608.2	

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)	15	Share of Lost Mill Creek Flow	4	Estimate Mill Creek flow (cfs)	11	Estimate Mill Creek Recharge (AF)	22
Flow in the River Above Alabama	15	Flowing Beyond Alabama	4	Total River Flow (cfs)	11	Total River Recharge (AF)	22