

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/13/2022

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	39.2
N2	Total SAR Deliveries	39.2
A1	SAR PH#3 Penstock (calc)	31.5
B1	BVMWC Highline	4.4
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	26.8
G2	North Fork Canal Weir	2.3
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	5.7
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	19.2
U3	Total MC Deliveries	19.2
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	19.2

Reservoir Levels	Feet
Observation at SOD	2172.6
Crafton Reservoir Level (21.3)	15.8
Mentone Reservoir Level	17.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.1
V	Total SWP Deliveries	3.1
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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	6,077	176,000
Santa Ana River to Mill Creek	SAR-MC	236	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,094	106,000
Mill Creek	SWP	9	0
Plunge Creek	PLC	851	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, and not necessarily what is at that location through out the day.

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State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.1
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0
D	Purchased Water	3.1	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	3.1	N	BVMWC Boullioun Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			W	Tres Lagos	0.0
			V	Total SWP Deliveries	3.1

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	2.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	3.2	A1	SAR PH #3 Penstock (calc)	31.5
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	4.4	E1	Main River Gage (USGS)	0.1	B1	BVMWC Highline	4.4
J2	Tailrace Valve to Parshall Flume	24.1	E2	Boullioun Box to Zanja	0.0	minus			C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	2.6	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	3.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	4.4	Z1	SOD Release Subtotal	3.3	E1	Main River Gage (USGS)	0.1
W1	Redlands Aqueduct / Sandbox	6.0	Other						D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.4	W	Observation at SOD	2172.6	A5	Total SAR Inflows	39.2
Minus			L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2172.5	Edison Generation		
	BVMWC River PU (USGS)	3.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#1 Generating	☐	
I1	Redlands Tunnel	0.3									
A1	SAR PH #3 Penstock (calc)	31.5									
K1	PH3# Penstock (SCADA)	27.8									

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	2.3	J2	Tailrace Valve to Parshall Flume	24.1	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	2.6	W1	Redlands Aqueduct / Sandbox	6.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	24.1	H1	SBVWCD Diversion	0.1	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	2.6				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline 29.0		Sedimentation Basin Recharge 0.0			B1	BVMWC Highline	4.4
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume 26.8		C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0	Irrigation						I2	Tailrace Pipeline	29.0
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	4.4				L2	SBVWCD Parshall Flume	26.8
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0				L2	Sedimentation Recharge	0.0
			minus						minus		
			B2	Gay Overflow	1.3				J2	Tailrace Valve to Parshall Flume	24.1
			C2	Irrigation	3.1				K2	Northfork Parshall Flume	2.6
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	39.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	7.4	E3	M/C #1 Penstock Flow	19.2
B3	M/C #3 Penstock	11.8	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	19.2			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	11.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	17.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	19.2	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	7.7	U3	Total MC Deliveries	19.2	V3	Zanja West Weir to CWC Canal	3.4
			T3	MC #1 Flow (Cooley Hat)	19.2				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	18.1				Y3	Crafton Reservoir Level (21.3)	15.8
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									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	39.8	I4	6,076.9	176,000	I4	5,200.3	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	235.7		O4	152.0	
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0	
C4	Mill Creek	MC	G4	3.8	K4	1,093.6	106,000	K4	471.5	106,000
D4	Mill Creek	SWP	H4	0.0	L4	8.7		L4	0.0	
	Plunge Creek	PLC		0.0		851.0			354.5	
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)			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	