

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 6/19/2023
 Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	159.3
N2	Total SAR Deliveries	159.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.7
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	79.0
G2	North Fork Canal Weir	7.1
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	23.6
Z2	Cuttle Weir to River	45.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	58.0
U3	Total MC Deliveries	58.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	58.0
T3	MC #1 Flow (Cooley Hat)	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	4.0
V	Total SWP Deliveries	4.0
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	4.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2185.7
Crafton Reservoir Level (21.3)	17.0
Mentone Reservoir Level	18.1

River Recharge	AF
Estimate SAR Recharge (AF)	130
Estimate Mill Creek Recharge (AF)	85
Estimated Total River Recharge (AF)	214

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	37,444	176,000
Santa Ana River to Mill Creek	SAR-MC	1,449	0
Santa Ana River	SWP	234	0
Mill Creek	MC	13,491	106,000
Mill Creek	SWP	1,197	0
Plunge Creek	PLC	2,561	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	4.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	N	BVMWC Boulliou Box	0.0	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	0.0
D	Purchased Water	4.0	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	4.0
F	Recharge Project	0.0									
G	Total SWP Inflows	4.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	7.1	A2	Newport	0.0	D1	BVMWC River PU (USGS)	32.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boulliou Box Weir	3.7	E1	Main River Gage (USGS)	123.0	B1	BVMWC Highline	3.7
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	1.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	32.6
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.7	Z1	SOD Release Subtotal	155.6	E1	Main River Gage (USGS)	123.0
W1	Redlands Aqueduct / Sandbox	24.6							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	159.3
Minus			Other			Observation at SOD			Edison Generation		
D1	BVMWC River PU (USGS)	32.6	J1	Big Bear Lake Release	0.3	W	Observation at SOD	2185.7			
I1	Redlands Tunnel	1.0	L1	SCE SAR AVM (SCADA)	3.1	X	SOD Reservoir Elevation (scada)	2184.8	SAR PH#1 Generating <input type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating <input type="checkbox"/>		
K1	PH3# 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	7.1	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	1.0	W1	Redlands Aqueduct / Sandbox	24.6
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	78.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	1.0	minus			Z2	Cuttle Weir To River	45.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	9.0	Sedimentation Basin Recharge			B1	BVMWC Highline	3.7
R1	BVMWC Highline to Boulliou	0.0				L2 SBVWCD Parshall Flume			C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0				Parshall Flume (SCADA)			I2	Tailrace Pipeline	9.0
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	79.0
C1	Greenspot Pipeline	0.0							L2	Sedimentation Recharge	0.0
			Irrigation						minus		
			D2	Boulliou Box Weir	3.7				J2	Tailrace Valve to Parshall Flume	0.0
			R1	BVMWC Highline to Boulliou	0.0				K2	Northfork Parshall Flume	1.0
			N	BVMWC Boulliou Box	0.0				I1	Redlands Tunnel	1.0
			minus						N2	Total SAR Deliveries	159.3
			B2	Gay Overflow	2.2						
			C2	Irrigation	1.5						

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	58.0	G3	Observation at Garnet	15.0
D3	Total MC Inflows	58.0			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	58.0	H3	Mentore Reservoir Level	18.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	58.0	V3	Zanja West Weir to CWC Canal	2.7
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	0.0				Y3	Crafton Reservoir Level (21.3)	17.0
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	58.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	58.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	470.1	I4	37,443.5	176,000	I4	36,956.0	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	1,448.8		O4	1,265.3	
B4	Santa Ana River	SWP	F4	0.0	J4	234.3		J4	234.4	
C4	Mill Creek	MC	G4	350.3	K4	13,490.6	106,000	K4	12,865.8	106,000
D4	Mill Creek	SWP	H4	0.0	L4	1,196.9		L4	962.6	
	Plunge Creek	PLC		11.9		2,561.1			2,439.7	
SAR Passing Cuttle Weir (cfs)	45		Share of Lost SAR Flow	18.75	Estimate SAR flow (cfs)	26		Estimate SAR Recharge (AF)	130	
Mill Creek Passing Garnet (cfs)	15		Share of Lost Mill Creek Flow	6	Estimate Mill Creek flow (cfs)	9		Estimate Mill Creek Recharge (AF)	85	
Flow in the River Above Alabama	60		Flowing Beyond Alabama	25	Total River Flow (cfs)	35		Total River Recharge (AF)	214	