

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/19/2024
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	206.2
N2	Total SAR Deliveries	206.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	138.4
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.5
W1	Redlands Aqueduct (calc)	16.5
V1/Z2	Cuttle Weir and PH3 Afterbay	47.9

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	47.0
U3	Total MC Deliveries	47.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	46.0
T3	MC #1 Flow (Cooley Hat)	11.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.2
V	Total SWP Deliveries	3.2
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2206.5
Crafton Reservoir Level (21.3)	13.6
Mentone Reservoir Level	18.1

River Recharge	AF
Estimate SAR Recharge (AF)	22
Estimate Mill Creek Recharge (AF)	19
Estimated Total River Recharge (AF)	41

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	19,966	176,000
Santa Ana River to Mill Creek	SAR-MC	332	0
Santa Ana River to Mill Creek	SWP	1,696	0
Santa Ana River	SWP	6,045	0
Mill Creek	MC	5,954	1,068
Mill Creek	SWP	8,590	0
Plunge Creek	PLC	1,022	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 the Redlands Sandbox spill is coming from the Redlands Aqueduct.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.2	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 Boullion 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	3.2	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	3.2
F	Recharge Project	0.0									
G	Total SWP Inflows	3.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	2.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	30.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.5	D2	Boullion Box Weir	0.0	E1	Main River Gage (USGS)	176.0	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullion Box to Zanja	0.0	minus			C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	9.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	30.2
V1	PH#3 Afterbay Spill/Loss to SAR	1.3	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	206.2	E1	Main River Gage (USGS)	176.0
W1	Redlands Aqueduct / Sandbox	17.5	Other			w	Observation at SOD	2206.5	D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.4	x	SOD Reservoir Elevation (scada)	2205.7	A5	Total SAR Inflows	206.2
Minus			L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	30.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	1.0							SAR PH#3 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH#3 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	2.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	1.3
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.5	K2	Northfork Parshall Flume	9.0	W1	Redlands Aqueduct / Sandbox	17.5
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	129.4	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.0	minus			Z2	Cuttle Weir To River	46.6
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.4	L2	SBVWCD Parshall Flume	138.4	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullion	0.0	Irrigation				Parshall Flume (SCADA)	108.2	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	D2	Boullion Box Weir	0.0				I2	Tailrace Pipeline	12.4
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullion	0.0				L2	SBVWCD Parshall Flume	138.4
C1	Greenspot Pipeline	0.0	N	BVMWC Boullion Box	0.0				L2	Sedimentation Recharge	0.0
			minus						minus		
			B2	Gay Overflow	0.0				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	0.0				K2	Northfork Parshall Flume	9.0
									I1	Redlands Tunnel	1.0
									N2	Total SAR Deliveries	206.2

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	11.5
B3	M/C #3 Penstock	11.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	35.5	G3	Observation at Garnet	30.0
D3	Total MC Inflows	47.0			

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	35.5	H3	Mentone Reservoir Level	18.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	10.5	T3	Mill Creek #1 Flow (Cooley Hat)	11.5	R3	Boullion to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.0	U3	Total MC Deliveries	47.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	11.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	11.5				Y3	Crafton Reservoir Level (21.3)	13.6
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	35.5									
L3	East Weir Recharge (MC)	10.5									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	46.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	277.5	I4	19,966.3	176,000	I4	12,356.0	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	332.4		O4	325.9		
	Santa Ana Rvr to Mill Creek	SWP		0.0		1,695.9			286.5		
B4	Santa Ana River	SWP	F4	0.0	J4	6,044.6		J4	2,714.6		
C4	Mill Creek	MC	G4	79.0	K4	5,954.4	1,068	K4	5,754.4	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	8,590.3		L4	2,960.6		
	Plunge Creek	PLC		4.0		1,022.1			1,000.5		
SAR Passing Cuttle Weir (cfs)			Share of Lost SAR Flow		Estimate SAR flow (cfs)		10	Estimate SAR Recharge (AF)			22
Mill Creek Passing Garnet (cfs)			Share of Lost Mill Creek Flow		Estimate Mill Creek flow (cfs)		7	Estimate Mill Creek Recharge (AF)			19
Flow in the River Above Alabama			Flowing Beyond Alabama		Total River Flow (cfs)		17	Total River Recharge (AF)			41