

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 5/31/2024
 Time: 6:20:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	82.3
N2	Total SAR Deliveries	82.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.5
G2	North Fork Canal Weir	4.4
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	19.9
Z2	Cuttle Weir to River	55.5

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	58.9
U3	Total MC Deliveries	58.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	44.0
T3	MC #1 Flow (Cooley Hat)	14.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	7.7
V	Total SWP Deliveries	7.7
J	Northfork Canal	2.5
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2176.0
Crafton Reservoir Level (21.3)	17.0
Mentone Reservoir Level	18.3

River Recharge	AF
Estimate SAR Recharge (AF)	35
Estimate Mill Creek Recharge (AF)	6
Estimated Total River Recharge (AF)	41

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	23,612	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	8,895	106,000
Mill Creek	SWP	8,999	0
Plunge Creek	PLC	1,258	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	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	5.2	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	2.5	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	7.7	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	7.7
F	Recharge Project	0.0									
G	Total SWP Inflows	7.7									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	4.4	A2	Newport	0.0	D1	BVMWC River PU (USGS)	24.3	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	58.0	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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	24.3
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	82.3	E1	Main River Gage (USGS)	58.0
W1	Redlands Aqueduct / Sandbox	20.9	Other					D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.6	W	Observation at SOD	2176.0	A5	Total SAR Inflows	82.3
Minus			L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2176.5	Edison Generation		
D1	BVMWC River PU (USGS)	24.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	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	4.4	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	0.0	W1	Redlands Aqueduct / Sandbox	20.9
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	2.5	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	minus		Z2	Cuttle Weir To River	55.5	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	4.4	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0	Irrigation					C1	Greenspot Pipeline	0.0	
S1	Tres Lagos	0.0	D2	Boullioun Box Weir	0.0		SBVWCD Parshall Flume	2.5	I2	Tailrace Pipeline	4.4
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0		Parshall Flume (SCADA)	2.3	L2	SBVWCD Parshall Flume	2.5
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	5.2				L2	Sedimentation Recharge	0.0
			minus					minus			
			B2	Gay Overflow	2.7				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	2.5				K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	1.0
									N2	Total SAR Deliveries	82.3

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	14.9
B3	M/C #3 Penstock	14.9	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	44.0	G3	Observation at Garnet	8.0
D3	Total MC Inflows	58.9			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	8.5	C3	SBVWCD Mill Creek Diversion	44.0	H3	Mentone Reservoir Level	18.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	14.9	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.4	U3	Total MC Deliveries	58.9	V3	Zanja West Weir to CWC Canal	2.3
			T3	MC #1 Flow (Cooley Hat)	14.9				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	14.6				Y3	Crafton Reservoir Level (21.3)	17.0
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	44.0									
L3	East Weir Recharge (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	44.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	5.0	I4	23,612.4	176,000	I4	16,002.0	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	87.3	K4	8,895.3	106,000	K4	8,686.3	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	8,999.2		L4	3,369.5		
	Plunge Creek	PLC		6.0		1,258.2			1,236.5		
SAR Passing Cuttle Weir (cfs)		56	Share of Lost SAR Flow		40.205	Estimate SAR flow (cfs)		15	Estimate SAR Recharge (AF)		35
Mill Creek Passing Garnet (cfs)		8	Share of Lost Mill Creek Flow		6	Estimate Mill Creek flow (cfs)		2	Estimate Mill Creek Recharge (AF)		6
Flow in the River Above Alabama		64	Flowing Beyond Alabama		46	Total River Flow (cfs)		18	Total River Recharge (AF)		41