

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/31/2024
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	48.5
N2	Total SAR Deliveries	48.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	13.3
G2	North Fork Canal Weir	10.5
H2	Edwards Canal	0.2
W1	Redlands Aqueduct (calc)	24.5
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	27.4
U3	Total MC Deliveries	27.4
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	13.0
T3	MC #1 Flow (Cooley Hat)	20.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	37.3
V	Total SWP Deliveries	37.3
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.0

Reservoir Levels	Feet
Observation at SOD	2190.1
Crafton Reservoir Level (21.3)	19.2
Mentone Reservoir Level	15.7

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	27,040	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	7,448	0
Mill Creek	MC	11,703	106,000
Mill Creek	SWP	11,715	0
Plunge Creek	PLC	1,324	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	5.0	T	Newport for BVMWC	1.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	30.0
D	Purchased Water	7.3	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	37.3
F	Recharge Project	30.0									
G	Total SWP Inflows	37.3									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline		SOD Release Subtotal		Total SAR Inflows				
G2	Northfork Canal Weir	10.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	37.1	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.2	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	11.4	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	1.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	37.1
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	48.5	E1	Main River Gage (USGS)	11.4
W1	Redlands Aqueduct / Sandbox	25.0	Other					D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	1.0	W	Observation at SOD	2190.1	A5	Total SAR Inflows	48.5
D1	BVMWC River PU (USGS)	37.1	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2188.4	Edison Generation		
I1	Redlands Tunnel	0.5	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#1 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0							SAR PH#3 Generating	<input type="checkbox"/>	
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	10.5	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.2	K2	Northfork Parshall Flume	1.9	W1	Redlands Aqueduct / Sandbox	25.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	11.4	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	1.9	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.6	L2	SBVWCD Parshall Flume	13.3	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		Sedimentation Basin Recharge	0.0	I2	Tailrace Pipeline	12.6
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0		Parshall Flume (SCADA)	0.0	L2	SBVWCD Parshall Flume	13.3
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	5.0				L2	Sedimentation Recharge	0.0
			minus					minus			
			B2	Gay Overflow	2.4				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	2.6				K2	Northfork Parshall Flume	1.9
									I1	Redlands Tunnel	0.5
									N2	Total SAR Deliveries	48.5

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	6.7	E3	M/C #1 Penstock Flow	20.4
B3	M/C #3 Penstock	13.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	7.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	27.4			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	7.0	H3	Mentone Reservoir Level	15.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	6.0	T3	Mill Creek #1 Flow (Cooley Hat)	20.4	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.9	U3	Total MC Deliveries	27.4	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	20.4				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	14.6				Y3	Crafton Reservoir Level (21.3)	19.2
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	7.0									
L3	East Weir Recharge (MC)	6.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	13.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	34.7	I4	27,040.1	176,000	I4	19,429.8	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	7,448.2		J4	4,118.3		
C4	Mill Creek	MC	G4	13.9	K4	11,702.5	106,000	K4	11,493.5	106,000	
D4	Mill Creek	SWP	H4	59.5	L4	11,715.2		L4	6,085.5		
	Plunge Creek	PLC		0.0		1,323.6			1,302.0		
	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)	0		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