

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 3/23/2021

Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	16.8
N2	Total SAR Deliveries	16.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.6
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	11.3
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	14.1
U3	Total MC Deliveries	14.1
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	2.1
T3	MC #1 Flow (Cooley Hat)	13.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.9
V	Total SWP Deliveries	3.9
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	N/A
Crafton Reservoir Level (21.3)	15.6
Mentone Reservoir Level	12.9

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	1,180	176,000
Santa Ana River to Mill Creek	SAR-MC	394	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,460	106,000
Mill Creek	SWP	0	0
Plunge Creek	PLC	105	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 throughout the day.

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State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.9	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 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	3.9	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	3.9
F	Recharge Project	0.0									
G	Total SWP Inflows	3.9									

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)	16.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	E1	Main River Gage (USGS)	0.1	B1	BVMWC Highline	0.0
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	2.5	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	11.4	D1	BVMWC River PU (USGS)	16.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	5.4	E1	Main River Gage (USGS)	0.1
W1	Redlands Aqueduct / Sandbox	11.6	Other			w	Observation at SOD	N/A	D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	1.0	x	SOD Reservoir Elevation (scada)	2191.1	A5	Total SAR Inflows	16.8
			L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	16.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.3							SAR PH#3 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH#3 Penstock (SCADA)	N/A									

Santa Ana River Deliveries											
Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	2.9	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	2.5	W1	Redlands Aqueduct / Sandbox	11.6
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.1	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	2.5	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	5.4	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0	
R1	BVMWC Highline to Boulliou	0.0	Irrigation			L2	SBVWCD Parshall Flume	2.6	C1	Greenspot Pipeline	0.0
S1	Crafton WC Boulliou	0.0	D2	Boulliou Box Weir	0.0	Parshall Flume (SCADA)		3.0	I2	Tailrace Pipeline	5.4
T1	Tate Pump Station to Zanja	0.0	N	BVMWC Boulliou Box	0.0			L2	SBVWCD Parshall Flume	2.6	
C1	Greenspot Pipeline	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	2.5	
								I1	Redlands Tunnel	0.3	
								N2	Total SAR Deliveries	16.8	

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	6.5	E3	M/C #1 Penstock Flow	13.6
B3	M/C #3 Penstock	7.1	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.5	G3	Observation at Garnet	0.0
D3	Total MC Inflows	14.1			

Mill Creek Deliveries											
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.0	C3	SBVWCD Mill Creek Diversion	0.5	H3	Mentone Reservoir Level	12.9
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	1.6	T3	Mill Creek #1 Flow (Cooley Hat)	13.6	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	14.1	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	13.6				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	14.5				Y3	Crafton Reservoir Level (21.3)	15.6
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	0.5									
L3	East Weir (MC)	1.6									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	2.1									

SBVWCD Recharge											
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	5.2	I4	1,180.2	176,000	I4	455.9	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	393.8		O4	328.8		
B4	Santa Ana River	SWP	F4	0.0	J4	0.0		J4	0.0		
C4	Mill Creek	MC	G4	4.2	K4	1,459.6	106,000	K4	687.7	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	0.0		L4	0.0		
	Plunge Creek	PLC		0.6		105.1			105.1		
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