

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 5/1/2020

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	99.5
N2	Total SAR Deliveries	99.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.5
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	67.0
G2	North Fork Canal Weir	3.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	25.1
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	28.6
U3	Total MC Deliveries	28.6
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	27.7
T3	MC #1 Flow (Cooley Hat)	18.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	5.7
V	Total SWP Deliveries	5.7
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.9

Reservoir Levels	Feet
Observation at SOD	2162.0
Crafton Reservoir Level (21.3)	18.7
Mentone Reservoir Level	20.9

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	12,612	176,000
Santa Ana River to Mill Creek	SAR-MC	1,658	0
Santa Ana River	SWP	3,890	0
Mill Creek	MC	4,718	106,000
Mill Creek	SWP	3,090	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	0	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.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 5/1/2020
 Time: 7:00:00 AM

State Water Project

Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVVWD City Creek	3.8	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	0.0	T	Newport for BVMWC	0.9
C	Exchange Water	0.9	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	4.8	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	5.7
F	Recharge Project	0.0									
G	Total SWP Inflows	5.7									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	3.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	32.6			
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	3.5	E1	Main River Gage (USGS)	63.4			
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	minus					
K2	Northfork Parshall Flume	3.6	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	2.2			
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.5	Z1	SOD Release Subtotal	93.8			
W1	Redlands Aqueduct / Sandbox	25.7			Other		D1a	BV Pick-Up gated	<input type="checkbox"/>		
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.5	w	Observation at SOD	2162.0	A5	Total SAR Inflows	99.5
D1	BVMWC River PU (USGS)	32.6	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2162.4	Edison Generation		
I1	Redlands Tunnel	0.6	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	PH3# Penstock (SCADA)	N/A									

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall FlumeTo Basins		Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.0	J2	Tailrace Valve to Parshall Flume	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	3.6
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	63.4
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	3.6	minus		
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	7.5	Sedimentation Basin Recharge		0.0
R1	BVMWC Highline to Boullioun	0.0			L2	SBVWCD Parshall Flume	67.0	
S1	Crafton WC Boullioun	0.0	Irrigation		Parshall Flume (SCADA)		79.2	
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	3.5	minus		
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0	J2	Tailrace Valve to Parshall Flume	0.0
			minus		K2	Northfork Parshall Flume	3.6	
			B2	Gay Overflow	2.3	I1	Redlands Tunnel	0.6
			C2	Irrigation	1.2	N2	Total SAR Deliveries	99.5

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	18.6	E3	M/C #1 Penstock Flow	18.6
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	10.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	28.6			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other		
J3	Wilson Creek Spreading	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	10.0
K3	Yucaipa Pipeline	0.0	Q3	East Weir to Mill Creek	17.7	T3	Mill Creek #1 Flow (Cooley Hat)	18.6
			S3	East Weir to Zanja	0.9	U3	Total MC Deliveries	28.6
			T3	MC #1 Flow (Cooley Hat)	18.6	H3	Mentone Reservoir Level	20.9
			N3	Cooley Hat (SCADA)	22.9	R3	Boullioun to BVMWC Highline	0.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	10.0
L3	East Weir (MC)	17.7
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	27.7

SBVWCD Recharge

Location		Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	137.3	I4	12,612.3	176,000	I4	10,151.4	176,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	1,657.6		O4	1,296.2	
B4	Santa Ana River	F4	0.0	J4	3,890.4		J4	0.0	
C4	Mill Creek	G4	55.7	K4	4,717.7	106,000	K4	3,533.8	106,000
D4	Mill Creek	H4	0.0	L4	3,090.2		L4	0.0	
	Redlands		0.0		0.0			0.0	
	Loma Linda		0.0		0.0			0.0	
	East Valley		0.0		0.0			0.0	

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