

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/10/2020

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	164.2
N2	Total SAR Deliveries	164.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	135.0
G2	North Fork Canal Weir	1.8
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	27.4
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	32.1
U3	Total MC Deliveries	32.1
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	44.6
T3	MC #1 Flow (Cooley Hat)	17.1

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	2200.0
Crafton Reservoir Level (21.3)	17.1
Mentone Reservoir Level	21.3

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	6,591	176,000
Santa Ana River to Mill Creek	SAR-MC	1,350	0
Santa Ana River	SWP	3,890	0
Mill Creek	MC	3,673	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.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWDC 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 Boullioun 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	1.8	A2	Newport	0.0	D1	BVMWC River PU (USGS)	32.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	131.6	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	3.4	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	32.6
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	164.2	E1	Main River Gage (USGS)	131.6
W1	Redlands Aqueduct / Sandbox	28.0							D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	164.2
			Other								
D1	BVMWC River PU (USGS)	32.6	J1	Big Bear Lake Release	0.5	w	Observation at SOD	2200.0			
I1	Redlands Tunnel	0.6	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2200.0			
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	12.5	y	Debris Pool Elevation	N/A			
K1	PH3# Penstock (SCADA)	N/A									
									Edison Generation		
									SAR PH#1 Generating	☐	
									SAR PH#3 Generating	☐	

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	1.8	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	3.4	W1	Redlands Aqueduct / Sandbox	28.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	131.6	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	3.4		minus		Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	5.2		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	135.0	C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0					Parshall Flume (SCADA)	136.0	I2	Tailrace Pipeline	5.2
T1	Tate Pump Station to Zanja	0.0	Irrigation						L2	SBVWCD Parshall Flume	135.0
C1	Greenspot Pipeline	0.0	D2	Boullioun Box Weir	0.0					minus	
			N	BVMWC Boullioun Box	0.0				J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	3.4
									I1	Redlands Tunnel	0.6
									N2	Total SAR Deliveries	164.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	17.1
B3	M/C #3 Penstock	17.1	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	15.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	32.1			

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	15.0	H3	Mentone Reservoir Level	21.3
K3	Yucaipa Pipeline	0.0	Q3	East Weir to Mill Creek	17.1	T3	Mill Creek #1 Flow (Cooley Hat)	17.1	R3	Boullioun to BVMWC Highline	0.0
			S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	32.1	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	17.1				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	18.1				Y3	Crafton Reservoir Level (21.3)	17.1
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	15.0									
L3	East Weir (MC)	17.1									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	12.5									
O3	SBVWCD MC Spreading	44.6									

SBVWCD Recharge

Location	Type	Previous Day (AF)			WY To Date (AF)			Calendar Year To Date (AF)		
A4	Santa Ana River	E4	281.7		I4	6,591.3	176,000	I4	4,130.4	176,000
M4	Santa Ana Rvr to Mill Creek	N4	5.4		O4	1,350.4		O4	989.0	
B4	Santa Ana River	F4	0.0		J4	3,890.4		J4	0.0	
C4	Mill Creek	G4	51.6		K4	3,672.6	106,000	K4	2,488.6	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			