

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 3/11/2021

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	17.9
N2	Total SAR Deliveries	17.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.3
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.5
G2	North Fork Canal Weir	2.3
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	7.9
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.8
V	Total SWP Deliveries	3.8
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	16.3
U3	Total MC Deliveries	16.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	1.7
T3	MC #1 Flow (Cooley Hat)	15.3

Reservoir Levels	Feet
Observation at SOD	2185.6
Crafton Reservoir Level (21.3)	20.2
Mentone Reservoir Level	13.2

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	1,116	176,000
Santa Ana River to Mill Creek	SAR-MC	378	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,268	106,000
Mill Creek	SWP	0	0
Plunge Creek	PLC	56	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	3.8	M	Crafton Unger Lane		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	3.8	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	3.8
F	Recharge Project	0.0									
G	Total SWP Inflows	3.8									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	2.3
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.3
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	8.2
Y1	Redlands Sandbox Spill	0.0
D1	BVMWC River PU (USGS)	13.4
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	0.0
K1	PH3# Penstock (SCADA)	N/A

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	4.3
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	4.3
Other		
J1	Big Bear Lake Release	1.0
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	13.4
E1	Main River Gage (USGS)	0.2
		minus
F1	Greenspot Spill	8.5
Z1	SOD Release Subtotal	5.1
w	Observation at SOD	2185.6
x	SOD Reservoir Elevation (scada)	2185.2
y	Debris Pool Elevation	N/A

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	4.3
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	13.4
E1	Main River Gage (USGS)	0.2
D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	17.9
Edison Generation		
SAR PH#1 Generating		☐
SAR PH#3 Generating		☐

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	2.3
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.3
I2	Tailrace Pipeline	5.5
Irrigation		
D2	Boullioun Box Weir	4.3
N	BVMWC Boullioun Box	0.0
minus		
B2	Gay Overflow	2.5
C2	Irrigation	1.8

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.3
H1	SBVWCD Diversion	0.2
minus		
	Sedimentation Basin Recharge	0.0
L2	SBVWCD Parshall Flume	2.5
	Parshall Flume (SCADA)	2.9

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	8.2
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.3
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	5.5
L2	SBVWCD Parshall Flume	2.5
minus		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.3
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	17.9

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	7.7	E3	M/C #1 Penstock Flow	15.3
B3	M/C #3 Penstock	7.6	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	1.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	16.3			

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	1.0	H3	Mentone Reservoir Level	13.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.7	T3	Mill Creek #1 Flow (Cooley Hat)	15.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.6	U3	Total MC Deliveries	16.3	V3	Zanja West Weir to CWC Canal	0.8
			T3	MC #1 Flow (Cooley Hat)	15.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading			N3	Cooley Hat (SCADA)	17.6				Y3	Crafton Reservoir Level (21.3)	20.2
C3	SBVWCD Mill Creek Diversion	1.0									
L3	East Weir (MC)	0.7									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	1.7									

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	1,115.7	176,000	I4	391.4	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	377.6		O4	312.6		
B4	Santa Ana River	SWP	F4	0.0		J4	0.0		J4	0.0		
C4	Mill Creek	MC	G4	4.8		K4	1,267.8	106,000	K4	495.9	106,000	
D4	Mill Creek	SWP	H4	0.0		L4	0.0		L4			
	Plunge Creek	PLC		11.9			56.4			56.4		
SAR Passing Cattle 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