

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/9/2019

Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	58.6
N2	Total SAR Deliveries	58.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	30.0
G2	North Fork Canal Weir	5.6
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	22.0
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	27.1
U3	Total MC Deliveries	27.1
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	27.1

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	70.1
V	Total SWP Deliveries	70.1
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)	15.9
Mentone Reservoir Level	21.5

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	32,646	176,000
Santa Ana River to Mill Creek	SAR-MC	267	0
Santa Ana River	SWP	8,814	0
Mill Creek	MC	9,309	106,000
Mill Creek	SWP	7,955	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	134	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	3.0	H	EVWD City Creek	8.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	24.3	N	BVMWC Boullioun Box	3.0	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	34.8
D	Purchased Water	67.1	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	70.1
F	Recharge Project	0.0									
G	Total SWP Inflows	70.1									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows		
G2	Northfork Canal Weir	5.6	A2	Newport	0.0	D1	BVMWC River PU (USGS)	28.6
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	30.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0			minus
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	58.6
W1	Redlands Aqueduct / Sandbox	14.5						
Y1	Redlands Sandbox Spill	8.0						
		minus						
D1	BVMWC River PU (USGS)	28.6						
I1	Redlands Tunnel	0.5						
A1	SAR PH #3 Penstock (calc)	0.0						
K1	PH3# Penstock (SCADA)	N/A						

Other		Edison Generation	
J1	Big Bear Lake Release	0.6	
L1	SCE SAR AVM (SCADA)	0.0	
X1	SAR-MC Spread (Red. Aqueduct)	0.0	
w	Observation at SOD	N/A	
x	SOD Reservoir Elevation (scada)	2161.7	
y	Debris Pool Elevation	N/A	

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	28.6
E1	Main River Gage (USGS)	30.0
D1a	BV Pick-Up gated	<input type="checkbox"/>
A5	Total SAR Inflows	58.6

Edison Generation	
SAR PH#1 Generating	<input type="checkbox"/>
SAR PH#3 Generating	<input type="checkbox"/>

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	5.6	J2	Tailrace Valve to Parshall Flume	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	1.0	K2	Northfork Parshall Flume	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	30.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0			minus
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	6.6			
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						

Irrigation		Parshall Flume (SCADA)			
D2	Boullioun Box Weir	0.0	L2	SBVWCD Parshall Flume	30.0
N	BVMWC Boullioun Box	3.0			
		minus			
B2	Gay Overflow	3.0			
C2	Irrigation	0.0			

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	14.5
Y1	Redlands Sandbox Spill	8.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	6.6
L2	SBVWCD Parshall Flume	30.0
		minus
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.5
N2	Total SAR Deliveries	58.6

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	10.2	E3	M/C #1 Penstock Flow	27.1
B3	M/C #3 Penstock	16.9	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	27.1			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other		
J3	Wilson Creek Spreading	0.0	P3	Tate Inflow	19.3	C3	SBVWCD Mill Creek Diversion	0.0
K3	Yucaipa Pipeline	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	27.1
			S3	East Weir to Zanja	7.8	U3	Total MC Deliveries	27.1
			T3	MC #1 Flow (Cooley Hat)	27.1			
			N3	Cooley Hat (SCADA)	27.1			

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

Other		
H3	Mentone Reservoir Level	21.5
R3	Boullioun to BVMWC Highline	0.0
V3	Zanja West Weir to CWC Canal	3.6
W3	Mill Creek PH #2,3 Afterbay Spill	0.0
Y3	Crafton Reservoir Level (21.3)	15.9

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	61.3	I4	32,646.2	176,000	I4	32,575.3	176,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	267.0		O4	175.5	
B4	Santa Ana River	F4	47.1	J4	8,814.3		J4	7,799.0	
C4	Mill Creek	G4	0.6	K4	9,308.5	106,000	K4	8,696.0	106,000
D4	Mill Creek	H4	68.4	L4	7,955.1		L4	7,955.1	
	Redlands		0.0		0.0			0.0	
	Loma Linda		0.0		0.0			0.0	
	East Valley		0.0		134.4			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	