

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 2/13/2019

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	157.7
N2	Total SAR Deliveries	157.7
A1	SAR PH#3 Penstock (calc)	37.4
B1	BVMWC Highline	2.2
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	132.0
G2	North Fork Canal Weir	2.1
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	21.4
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.0
U3	Total MC Deliveries	7.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	17.2
T3	MC #1 Flow (Cooley Hat)	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	73.8
V	Total SWP Deliveries	73.8
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	2213.1
Crafton Reservoir Level (21.3)	19.5
Mentone Reservoir Level	21.1

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	2,272	166,000
Santa Ana River to Mill Creek	SAR-MC	171	0
Santa Ana River	SWP	2,621	0
Mill Creek	MC	1,263	99,700
Mill Creek	SWP	0	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	0.0	H	EVWDC City Creek	3.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	70.8	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	73.8	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	73.8
F	Recharge Project	0.0									
G	Total SWP Inflows	73.8									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	2.1	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.8	A1	SAR PH #3 Penstock (calc)	37.4
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.2	E1	Main River Gage (USGS)	116.3	B1	BVMWC Highline	2.2
J2	Tailrace Valve to Parshall Flume	15.7	E2	Boullioun Box to Zanja	0.0		minus		C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	1.8
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	2.2	Z1	SOD Release Subtotal	118.1	E1	Main River Gage (USGS)	116.3
W1	Redlands Aqueduct / Sandbox	16.0							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	6.0							A5	Total SAR Inflows	157.7
	minus										
D1	BVMWC River PU (USGS)	1.8	Other			w	Observation at SOD	2213.1	Edison Generation		
I1	Redlands Tunnel	0.6	J1	Big Bear Lake Release	0.5	x	SOD Reservoir Elevation (scada)	2212.6	SAR PH#1 Generating		<input type="checkbox"/>
A1	SAR PH #3 Penstock (calc)	37.4	L1	SCE SAR AVM (SCADA)	N/A	y	Debris Pool Elevation	N/A	SAR PH#3 Generating		<input checked="" type="checkbox"/>
K1	PH#3 Penstock (SCADA)	N/A	X1	SAR-MC Spread (Red. Aqueduct)	10.2						

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	2.1	J2	Tailrace Valve to Parshall Flume	15.7	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	16.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	15.7	H1	SBVWCD Diversion	116.3	Y1	Redlands Sandbox Spill	6.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	132.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	17.8		Parshall Flume (SCADA)	126.6	B1	BVMWC Highline	2.2
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				Irrigation			I2	Tailrace Pipeline	17.8
T1	Tate Pump Station to Zanja	0.0				D2	Boullioun Box Weir	2.2	L2	SBVWCD Parshall Flume	132.0
C1	Greenspot Pipeline	0.0				N	BVMWC Boullioun Box	0.0		minus	
							minus		J2	Tailrace Valve to Parshall Flume	15.7
						B2	Gay Overflow	1.2	K2	Northfork Parshall Flume	0.0
						C2	Irrigation	1.0	I1	Redlands Tunnel	0.6
									N2	Total SAR Deliveries	157.7

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	7.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	7.0			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	7.0	H3	Mentone Reservoir Level	21.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	7.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	0.0				Y3	Crafton Reservoir Level (21.3)	19.5

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	7.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	10.2
O3	SBVWCD MC Spreading	17.2

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	265.8	I4	2,271.9	166,000	I4	2,201.0	166,000
M4	Santa Ana Rvr to Mill Creek	N4	20.2	O4	171.3		O4	79.8	
B4	Santa Ana River	F4	140.4	J4	2,621.1		J4	1,605.8	
C4	Mill Creek	G4	13.9	K4	1,263.0	99,700	K4	650.5	99,700
D4	Mill Creek	H4	0.0	L4	0.0		L4	0.0	
	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	