

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/7/2017

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	19.6
N2	Total SAR Deliveries	19.6
A1	SAR PH#3 Penstock (calc)	13.1
B1	BVMWC Highline	4.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	10.8
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	4.0
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	16.2
U3	Total MC Deliveries	16.2
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	16.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	91.5
V	Total SWP Deliveries	91.5
J	Northfork Canal	0.0
L	Redlands Aqueduct	10.0
M	Crafton Unger Lane	4.8
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	19.4
Mentone Reservoir Level	20.2

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	19,462	166,000
Santa Ana River to Mill Creek	SAR-MC	1,462	0
Santa Ana River	SWP	9,719	0
Mill Creek	MC	5,395	99,700
Mill Creek	SWP	2,249	0
Redlands	SWP	33	0
Loma Linda	SWP	487	0
East Valley	SWP	6,484	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 thruout the day. San Bernardino Valley Municipal is spreading in Mill Creek and at the Santa Ana Low.

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State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	10.0	H	EVWD Treatment Plant	0.0	M	Crafton Unger Lane	4.8	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	72.3	N	BVMWC Boulliou 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	3.2
D	Purchased Water	81.5	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.2
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	10.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	91.5
F	Recharge Project	0.0									
G	Total SWP Inflows	91.5									

Santa Ana River Inflows											
SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	10.8	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.7	A1	SAR PH #3 Penstock (calc)	13.1
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	4.8	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	4.8
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boulliou 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	0.2	D1	BVMWC River PU (USGS)	1.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	4.8	Z1	SOD Release Subtotal	1.5	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	4.2	Other					D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.1	J1	Big Bear Lake Release	1.3	w	Observation at SOD	N/A	A5	Total SAR Inflows	19.6
minus			L1	SCE SAR AVM (SCADA)	17.7	x	SOD Reservoir Elevation (scada)	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	1.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A	SAR PH#1 Generating	<input checked="" type="checkbox"/>	
I1	Redlands Tunnel	0.3						SAR PH#3 Generating	<input checked="" type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	13.1									
K1	PH3# Penstock (SCADA)	11.7									

Santa Ana River Deliveries											
Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	10.8	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	0.0	W1	Redlands Aqueduct / Sandbox	4.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.1
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.8	B1	Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	4.8
R1	BVMWC Highline to Boulliou	0.0	Irrigation			C1	Greenspot Pipeline	0.0	I2	Tailrace Pipeline	10.8
S1	Crafton WC Boulliou	0.0	D2	Boulliou Box Weir	4.8	L2	SBVWCD Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0
T1	Tate Pump Station to Zanja	0.0	minus			minus		minus			
C1	Greenspot Pipeline	0.0	B2	Gay Overflow	2.2	J2	Tailrace Valve to Parshall Flume	0.0	K2	Northfork Parshall Flume	0.0
			C2	Irrigation	2.6	I1	Redlands Tunnel	0.3	N2	Total SAR Deliveries	19.6

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	6.0	E3	M/C #1 Penstock Flow	16.2
B3	M/C #3 Penstock	10.2	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	16.2			

Mill Creek Deliveries											
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	13.9	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	16.2	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.3	W3	Mill Creek PH #2,3 Afterbay Spill	0.0	V3	Zanja West Weir to CWC Canal	5.9
			T3	MC #1 Flow (Cooley Hat)	16.2	U3	Total MC Deliveries	16.2	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	19.4

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
W3	Mill Creek PH #2,3 Afterbay Spill	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge							
Location	Type	Previous Day (AF)	WY To Date (AF)	Target	Calendar Year To Date (AF)	Target	
A4	Santa Ana River	0.0	I4	19,462.2	166,000	I4	18,559.6
M4	Santa Ana Rvr to Mill Creek	0.0	O4	1,461.7		O4	1,299.1
B4	Santa Ana River	126.3	J4	9,718.8		J4	9,718.8
C4	Mill Creek	0.0	K4	5,394.5	99,700	K4	5,165.9
D4	Mill Creek	42.9	L4	2,249.1		L4	2,249.1
	Redlands	0.0		32.9			0.0
	Loma Linda	0.0		486.6			1,939.8
	East Valley	0.0		6,484.4			2,816.0
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

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Santa Ana Stations

