

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 6/13/2017

Time: 6:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	40.2
N2	Total SAR Deliveries	40.2
A1	SAR PH#3 Penstock (calc)	33.3
B1	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	8.2
H2	Edwards Canal	0.8
W1	Redlands Aqueduct (calc)	26.6
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	27.2
U3	Total MC Deliveries	27.2
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	11.6
T3	MC #1 Flow (Cooley Hat)	27.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	77.8
V	Total SWP Deliveries	77.8
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	N/A
Crafton Reservoir Level (21.3)	18.6
Mentone Reservoir Level	20.5

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	19,285	166,000
Santa Ana River to Mill Creek	SAR-MC	1,462	0
Santa Ana River	SWP	3,942	0
Mill Creek	MC	5,197	99,700
Mill Creek	SWP	292	0
Redlands	SWP	33	0
Loma Linda	SWP	487	0
East Valley	SWP	5,906	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. Valley Municipal and East Valley are splitting the Spreading at Santa Ana Low.

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State Water Project											
Inflows		Deliveries									
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	76.8	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	1.0
D	Purchased Water	77.8	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	77.8
F	Recharge Project	0.0									
G	Total SWP Inflows	77.8									

Santa Ana River Inflows											
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	8.2	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.3	A1	SAR PH #3 Penstock (calc)	33.3
H2	Edwards Canal	0.8	D2	Boulliou Box Weir	4.6	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	4.6
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	0.0	D1	BVMWC River PU (USGS)	2.3
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	4.6	Z1	SOD Release Subtotal	2.3	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	27.0	Other						D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.8	W	Observation at SOD	N/A	A5	Total SAR Inflows	40.2
minus			L1	SCE SAR AVM (SCADA)	39.7	X	SOD Reservoir Elevation (scada)	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	2.3	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	0.4							SAR PH#3 Generating	<input checked="" type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	33.3									
K1	PH3# Penstock (SCADA)	33.2									

Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	8.2	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.8	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	27.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0	Z1	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	9.0	Parshall Flume (SCADA)			B1	BVMWC Highline	4.6
R1	BVMWC Highline to Boulliou	0.0				Irrigation			C1	Greenspot Pipeline	0.0
S1	Crafton WC Boulliou	0.0				D2	Boulliou Box Weir	4.6	I2	Tailrace Pipeline	9.0
T1	Tate Pump Station to Zanja	0.0				minus			L2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	2.9	minus		
						C2	Irrigation	1.7	J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	40.2

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	8.1	E3	M/C #1 Penstock Flow	27.2
B3	M/C #3 Penstock	19.1	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	27.2			

Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	15.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	11.6	T3	Mill Creek #1 Flow (Cooley Hat)	27.2	R3	Boulliou to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.1	W3	Mill Creek PH #2,3 Afterbay Spill	0.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	27.2	U3	Total MC Deliveries	27.2	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	18.6
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	11.6									
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	11.6									

SBVWCD Recharge																			
Location		Type		Previous Day (AF)				WY To Date (AF)			Calendar Year To Date (AF)								
A4	Santa Ana River		SAR	E4				I4			19,285.4	Target	166,000	I4			18,283.8	Target	166,000
M4	Santa Ana Rvr to Mill Creek		SAR-MC	N4				O4			1,461.7			O4			1,299.1		
B4	Santa Ana River		SWP	F4			76.2	J4			3,942.2			J4			3,942.2		
C4	Mill Creek		MC	G4			21.0	K4			5,197.0		99,700	K4			4,968.4		99,700
D4	Mill Creek		SWP	H4			2.9	L4			292.3			L4			292.3		
	Redlands		SWP				0.0				32.9						0.0		
	Loma Linda		SWP				0.0				486.6						1,939.8		
	East Valley		SWP				76.2				5,906.2						2,237.8		
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					