

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/8/2018

Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.9
N2	Total SAR Deliveries	6.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	1.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	5.1
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	0.0
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	10.9
U3	Total MC Deliveries	10.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.3
T3	MC #1 Flow (Cooley Hat)	10.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	26.9
V	Total SWP Deliveries	26.9
J	Northfork Canal	0.0
L	Redlands Aqueduct	12.0
M	Crafton Unger Lane	2.0
T	Newport to BVMWC	0.5

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	18.4
Mentone Reservoir Level	20.6

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	2,462	166,000
Santa Ana River to Mill Creek	SAR-MC	115	0
Santa Ana River	SWP	6,502	0
Mill Creek	MC	1,797	99,700
Mill Creek	SWP	1,627	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	507	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.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/8/2018
Time: 6:55:00 AM

State Water Project

Inflows		Deliveries									
A	BBMWD In-lieu	24.9	H	EVWD City Creek	0.0	M	Crafton Unger Lane	2.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	7.3	N	BVMWC Boullioun Box	3.9	T	Newport for BVMWC	0.5
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	2.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.2
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	12.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	26.9
F	Recharge Project	0.0									
G	Total SWP Inflows	26.9									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	5.1	A2	Newport	0.0	D1	BVMWC River PU (USGS)	5.1	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	1.8	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	1.8
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	minus		C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVVCD Mill Creek Spreading	0.0	F1	Greenspot Spill	4.0	D1	BVMWC River PU (USGS)	5.1
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	1.8	Z1	SOD Release Subtotal	1.1	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	0.3	Other					D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.1	J1	Big Bear Lake Release	1.5	w	Observation at SOD	N/A	A5	Total SAR Inflows	6.9
minus			L1	SCE SAR AVM (SCADA)	6.5	x	SOD Reservoir Elevation (scada)	N/A	Edison Generation		
D1	BVMWC River PU (USGS)	5.1	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A	SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.4									
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH#3 Penstock (SCADA)	0.0									

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVVCD Parshall Flume To Basins		Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	5.1	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	0.3
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVVCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.1
P1	SBVVCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVVCD Parshall Flume	0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	5.1	Parshall Flume (SCADA)		0.0	B1	BVMWC Highline	1.8
R1	BVMWC Highline to Boullioun	0.0				Irrigation		C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boullioun	0.0			D2	Boullioun Box Weir	5.7	I2	Tailrace Pipeline	5.1	
T1	Tate Pump Station to Zanja	0.0			minus		L2	SBVVCD Parshall Flume	0.0		
C1	Greenspot Pipeline	0.0			B2	Gay Overflow	2.3	minus			
					C2	Irrigation	3.4	J2	Tailrace Valve to Parshall Flume	0.0	
							K2	Northfork Parshall Flume	0.0		
							I1	Redlands Tunnel	0.4		
							N2	Total SAR Deliveries	6.9		

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	4.1	E3	M/C #1 Penstock Flow	10.9
B3	M/C #3 Penstock	6.8	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVVCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	10.9			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	7.6	C3	SBVVCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.3	T3	Mill Creek #1 Flow (Cooley Hat)	10.9	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	3.0	U3	Total MC Deliveries	10.9	V3	Zanja West Weir to CWC Canal	2.6
			T3	MC #1 Flow (Cooley Hat)	10.9			W3	Mill Creek PH #2,3 Afterbay Spill	0.0	
			N3	Cooley Hat (SCADA)	9.7			Y3	Crafton Reservoir Level (21.3)	18.4	

SBVVCD MC Spreading		
C3	SBVVCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.3
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVVCD MC Spreading	0.3

SBVVCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	0.0	I4	2,461.8	166,000	I4	2,461.8	166,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	114.6		O4	88.3	
B4	Santa Ana River	F4	0.0	J4	6,502.3		J4	100.9	
C4	Mill Creek	G4	0.6	K4	1,796.8	99,700	K4	1,796.8	99,700
D4	Mill Creek	H4	0.0	L4	1,627.4		L4	434.1	
	Redlands		0.0		0.0			0.0	
	Loma Linda		0.0		0.0			0.0	
	East Valley		12.7		506.6			506.6	
SAR Passing Cuttle Weir (cfs)	0	Share of Lost SAR Flow	0	Estimate SAR flow (cfs)	0	Estimate SAR Recharge (AF)	0	Estimate Mill Creek 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	Total River Recharge (AF)	0
Flow in the River Above Alabama	0	Flowing Beyond Alabama	0	Total River Flow (cfs)	0	Total River Recharge (AF)	0		