

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/21/2018

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.5
N2	Total SAR Deliveries	12.5
A1	SAR PH#3 Penstock (calc)	7.7
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	12.5
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	0.0
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	31.5
V	Total SWP Deliveries	31.5
J	Northfork Canal	2.0
L	Redlands Aqueduct	8.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.5

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	11.0
U3	Total MC Deliveries	11.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	4.0
T3	MC #1 Flow (Cooley Hat)	7.0

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	18.1
Mentone Reservoir Level	19.9

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	2,486	166,000
Santa Ana River to Mill Creek	SAR-MC	115	0
Santa Ana River	SWP	6,502	0
Mill Creek	MC	1,919	99,700
Mill Creek	SWP	1,627	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	683	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: 8/21/2018
Time: 7:00:00 AM

State Water Project											
Inflows			Deliveries								
A	BBMWD In-lieu	26.5	H	EVWD City Creek	7.5	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	7.1	N	BVMWC Boullioun Box	5.0	T	Newport for BVMWC	0.5
C	Exchange Water	0.0	J	Northfork Canal	2.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	5.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.4
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	8.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 31.5	
F	Recharge Project	0.0									
G	Total SWP Inflows 31.5										

Santa Ana River Inflows											
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.8	A1	SAR PH #3 Penstock (calc)	7.7
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	12.5	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	1.6	D1	BVMWC River PU (USGS)	4.8
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	3.2	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	0.0							D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.3							A5	Total SAR Inflows	12.5
minus			Other						Edison Generation		
D1	BVMWC River PU (USGS)	4.8	J1	Big Bear Lake Release	1.5	W	Observation at SOD	N/A	SAR PH#1 Generating ☐		
I1	Redlands Tunnel	0.3	L1	SCE SAR AVM (SCADA)	8.1	X	SOD Reservoir Elevation (scada)	N/A	SAR PH#3 Generating ☐		
A1	SAR PH #3 Penstock (calc)	7.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A			
K1	PH3# Penstock (SCADA)	7.7									

Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	0.0	J2	Tailrace Valve to Parshall Flume	12.5	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	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	12.5	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.3
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	12.5	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.5		Parshall Flume (SCADA)	12.3	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				Irrigation			C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				D2	Boullioun Box Weir	5.0	I2	Tailrace Pipeline	12.5
T1	Tate Pump Station to Zanja	0.0				minus			L2	SBVWCD Parshall Flume	12.5
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	1.9	minus		
						C2	Irrigation	3.1	J2	Tailrace Valve to Parshall Flume	12.5
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	12.5

Mill Creek Inflows					
Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	7.0
B3	M/C #3 Penstock	7.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	4.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	11.0			

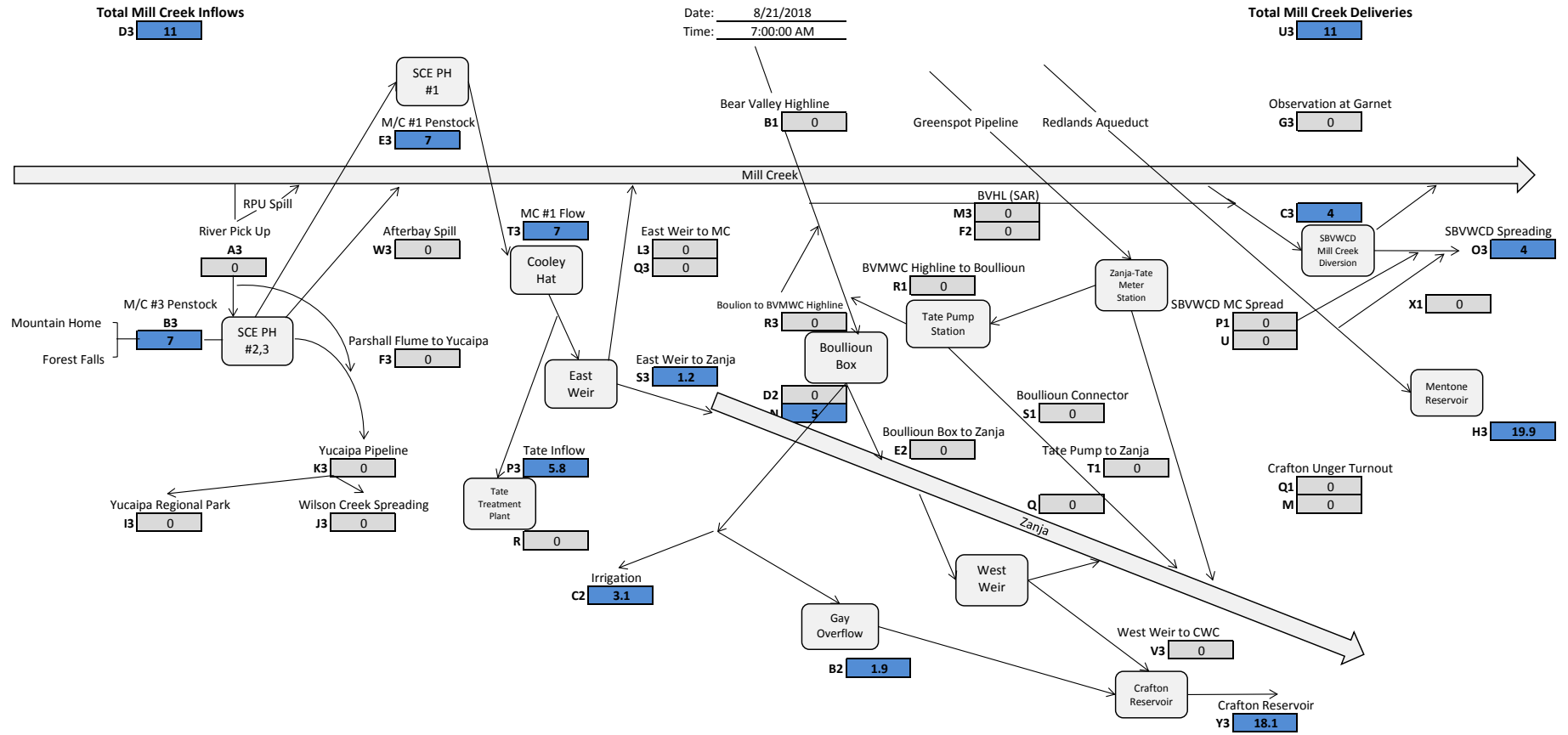
Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.8	C3	SBVWCD Mill Creek Diversion	4.0	H3	Mentone Reservoir Level	19.9
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.2	U3	Total MC Deliveries	11.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	7.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading			N3	Cooley Hat (SCADA)	3.7				Y3	Crafton Reservoir Level (21.3)	18.1

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	4.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	4.0

SBVWCD Recharge											
Location		Type	Previous Day (AF)			WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	22.0		I4	2,485.6	166,000	I4	2,485.6	166,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	114.6		O4	88.3	
B4	Santa Ana River	SWP	F4	0.0		J4	6,502.3		J4	100.9	
C4	Mill Creek	MC	G4	11.7		K4	1,918.8	99,700	K4	1,705.3	99,700
D4	Mill Creek	SWP	H4	0.0		L4	1,627.4		L4	434.1	
	Redlands	SWP		0.0			0.0			0.0	
	Loma Linda	SWP		0.0			0.0			0.0	
	East Valley	SWP		13.1			683.3			683.3	
SAR Passing Cuttle Weir (cfs)		0	Share of Lost SAR Flow				0		Estimate SAR Recharge (AF)		0
Mill Creek Passing Garnet (cfs)		0	Share of Lost Mill Creek Flow				0		Estimate Mill Creek Recharge (AF)		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama				0		Total River Recharge (AF)		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations

