

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/24/2017

Time: 6:35:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	19.1
N2	Total SAR Deliveries	19.1
A1	SAR PH#3 Penstock (calc)	11.9
B1	BVMWC Highline	5.4
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	11.8
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	1.9
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	16.6
U3	Total MC Deliveries	16.6
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	16.6

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	19.7
Mentone Reservoir Level	21.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	77.2
V	Total SWP Deliveries	77.2
J	Northfork Canal	0.0
L	Redlands Aqueduct	12.6
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.9

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	19,462	166,000
Santa Ana River to Mill Creek	SAR-MC	1,462	0
Santa Ana River	SWP	7,815	0
Mill Creek	MC	5,395	99,700
Mill Creek	SWP	1,919	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.

Daily Flow Report

8/24/2017

6:35:00 AM

Inflows			Deliveries								
A	BBMWD In-lieu	12.6	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	62.7	N	BVMWC Bouillion Box	0.0	T	Newport for BVMWC	0.9
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	64.6	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	12.6	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 77.2	

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	11.8	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.8	A1	SAR PH #3 Penstock (calc)	11.9
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	5.4	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	5.4
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	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	5.4	Z1	SOD Release Subtotal	1.8	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	2.1							D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.1							A5	Total SAR Inflows	19.1
minus			Other						Edison Generation		
D1	BVMWC River PU (USGS)	1.8	J1	Big Bear Lake Release	1.3	W	Observation at SOD	N/A	SAR PH#1 Generating		
I1	Redlands Tunnel	0.3	L1	SCE SAR AVM (SCADA)	18.8	X	SOD Reservoir Elevation (scada)	N/A	SAR PH#3 Generating		
A1	SAR PH #3 Penstock (calc)	11.9	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A			
K1	PH3# Penstock (SCADA)	13.6									

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	11.8
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	11.8

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	5.4
minus		
B2	Gay Overflow	2.0
C2	Irrigation	3.4

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	2.1
Y1	Redlands Sandbox Spill	0.1
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	5.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	11.8
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	19.1

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	5.7	E3	M/C #1 Penstock Flow	16.6
B3	M/C #3 Penstock	10.9	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	16.6			

Mill Creek Deliveries

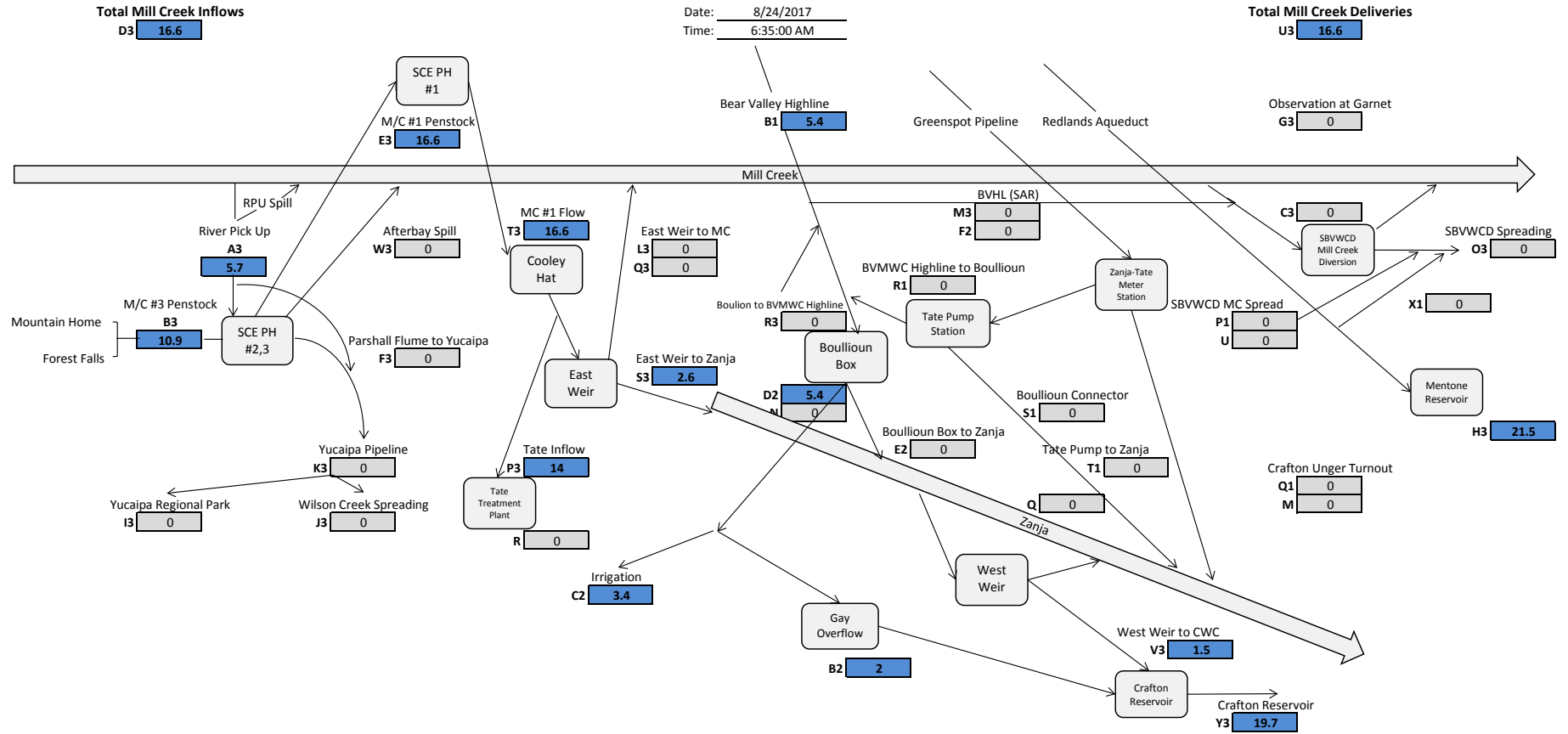
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	14.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	16.6	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.6	W3	Mill Creek PH #2,3 Afterbay Spill	0.0	V3	Zanja West Weir to CWC Canal	1.5
			T3	MC #1 Flow (Cooley Hat)	16.6	U3	Total MC Deliveries	16.6	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	19.7
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	SAR	E4	0.0		I4	19,462.2	166,000	I4	18,559.6	166,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	1,461.7		O4	1,299.1		
B4	Santa Ana River	SWP	F4	124.4		J4	7,814.5		J4	7,814.5		
C4	Mill Creek	MC	G4	0.0		K4	5,394.5	99,700	K4	5,165.9	99,700	
D4	Mill Creek	SWP	H4	2.0		L4	1,918.7		L4	1,918.7		
	Redlands	SWP		0.0			32.9			0.0		
	Loma Linda	SWP		0.0			486.6			1,939.8		
	East Valley	SWP		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

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations

