

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 5/9/2017

Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	56.3
N2	Total SAR Deliveries	56.3
A1	SAR PH#3 Penstock (calc)	43.1
B1	BVMWC Highline	4.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	29.0
G2	North Fork Canal Weir	9.3
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	15.4
V1	PH3 Afterbay Spill Loss to SAR	2.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	52.0
V	Total SWP Deliveries	52.0
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	36.2
U3	Total MC Deliveries	36.2
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	18.0
T3	MC #1 Flow (Cooley Hat)	32.9

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	20.6
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	18,752	166,000
Santa Ana River to Mill Creek	SAR-MC	1,334	0
Santa Ana River	SWP	2,028	0
Mill Creek	MC	4,535	99,700
Mill Creek	SWP	203	0
Redlands	SWP	33	0
Loma Linda	SWP	487	0
East Valley	SWP	3,971	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. EVWD blocked the River-pick up due to treatment issues. Muni and East Valley are splitting the Santa Ana low.

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Santa Ana River Inflows												
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	9.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.2	A1	SAR PH #3 Penstock (calc)	43.1	
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	4.8	E1	Main River Gage (USGS)	8.4	B1	BVMWC Highline	4.8	
J2	Tailrace Valve to Parshall Flume	20.6	E2	Boullioun Box to Janja	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)	4.2	
V1	PH#3 Afterbay SpillLoss to SAR	2.0	B1	BVMWC Highline	4.8	Z1	SOD Release Subtotal	12.6	E1	Main River Gage (USGS)	8.4	
W1	Redlands Aqueduct / Sandbox	15.8							D1a	BV Pick-Up gated	<input checked="" type="checkbox"/>	
Y1	Redlands Sandbox Spill	0.0	Other						A5	Total SAR Inflows	56.3	
minus			J1	Big Bear Lake Release	0.4	W	Observation at SOD	N/A	Edison Generation			
D1	BVMWC River PU (USGS)	4.2	L1	SCE SAR AVM (SCADA)	49.3	X	SOD Reservoir Elevation (scada)	2151.3	SAR PH#1 Generating			<input checked="" type="checkbox"/>
I1	Redlands Tunnel	0.4	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation		SAR PH#3 Generating			<input checked="" type="checkbox"/>
A1	SAR PH #3 Penstock (calc)	43.1										
K1	PH3# Penstock (SCADA)	43.1										

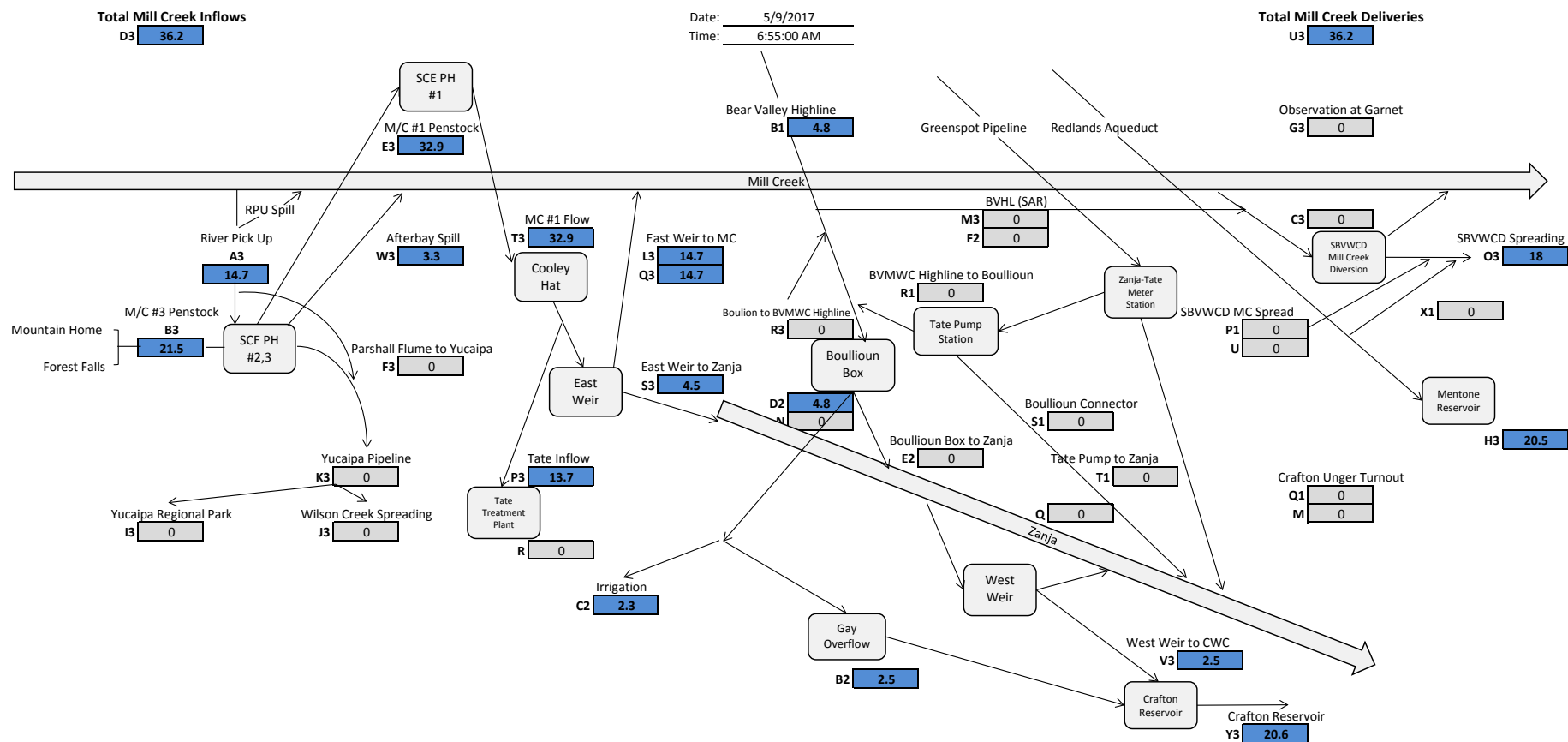
Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	9.3	J2	Tailrace Valve to Parshall Flume	20.6	V1	SAR PH #3 Afterbay Spill	2.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	15.8
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	20.6	H1	SBVWCD Diversion	8.4	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	29.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	29.9		Parshall Flume (SCADA)	29.0	B1	BVMWC Highline	4.8
R1	BVMWC Highline to Boullioun	0.0				Irrigation			C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				D2	Boullioun Box Weir	4.8	I2	Tailrace Pipeline	29.9
T1	Tate Pump Station to Zanja	0.0				minus			I2	SBVWCD Parshall Flume	29.0
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	2.5	minus		
						C2	Irrigation	2.3	J2	Tailrace Valve to Parshall Flume	20.6
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	56.3

Mill Creek Inflows					
Total MC Inflows			Other		
A3	RPU Flow	14.7	E3	M/C #1 Penstock Flow	32.9
B3	M/C #3 Penstock	21.5	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	36.2			

Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	13.7	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	14.7	T3	Mill Creek #1 Flow (Cooley Hat)	32.9	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	4.5	W3	Mill Creek PH #2,3 Afterbay Spill	3.3	V3	Zanja West Weir to CWC Canal	2.5
			T3	MC #1 Flow (Cooley Hat)	32.9	U3	Total MC Deliveries	36.2	W3	Mill Creek PH #2,3 Afterbay Spill	3.3
									Y3	Crafton Reservoir Level (21.3)	20.6
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	14.7									
M3	BVHL (SAR)	0.0									
W3	Mill Creek PH #2,3 Afterbay Spill	3.3									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	18.0									

SBVWCD Recharge												
Location		Type	Previous Day (AF)			WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	55.0		I4	18,752.3	166,000	I4	17,849.7	166,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	6.8		O4	1,334.2		O4	1,171.5		
B4	Santa Ana River	SWP	F4	48.6		J4	2,028.4		J4	2,028.4		
C4	Mill Creek	MC	G4	31.7		K4	4,534.5	99,700	K4	4,305.9	99,700	
D4	Mill Creek	SWP	H4	0.0		L4	203.0		L4	203.0		
	Redlands	SWP		0.0			32.9			0.0		
	Loma Linda	SWP		0.0			486.6			0.0		
	East Valley	SWP		49.6			3,971.4			303.0		
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

