

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/19/2017

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	91.0
N2	Total SAR Deliveries	91.0
A1	SAR PH#3 Penstock (calc)	46.3
B1	BVMWC Highline	4.3
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	57.2
G2	North Fork Canal Weir	9.9
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	20.8
v1	PH3 Afterbay Spill Loss to SAR	2.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	40.7
U3	Total MC Deliveries	40.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	17.3
T3	MC #1 Flow (Cooley Hat)	30.8

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

Reservoir Levels	Feet
Observation at SOD	2168.5
Crafton Reservoir Level (21.3)	14.0
Mentone Reservoir Level	21.0

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	17,435	166,000
Santa Ana River to Mill Creek	SAR-MC	1,119	0
Santa Ana River	SWP	1,796	0
Mill Creek	MC	4,089	99,700
Mill Creek	SWP	203	0
Redlands	SWP	33	0
Loma Linda	SWP	487	0
East Valley	SWP	3,668	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.

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State Water Project					
Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0
D	Purchased Water	0.9	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	0.9	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.9
			U	M/C spreading at Zanja Tate	0.0
			W	Tres Lagos	0.0
			V	Total SWP Deliveries	0.9

Santa Ana River Inflows												
SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows						
G2	Northfork Canal Weir	9.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.2	A1	SAR PH #3 Penstock (calc)	46.3	
H2	Edwards Canal	1.0	D2	Boulliou Box Weir	4.3	E1	Main River Gage (USGS)	40.4	B1	BVMWC Highline	4.3	
J2	Tailrace Valve to Parshall Flume	16.8	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)	4.2	
V1	PH#3 Afterbay SpillLoss to SAR	2.0	B1	BVMWC Highline	4.3	Z1	SOD Release Subtotal	44.6	E1	Main River Gage (USGS)	40.4	
W1	Redlands Aqueduct / Sandbox	21.2	Other				D1a	BV Pick-Up gated	<input checked="" type="checkbox"/>			
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.4	w	Observation at SOD	2168.5	A5	Total SAR Inflows	91.0	
minus				L1	SCE SAR AVM (SCADA)	51.6	x	SOD Reservoir Elevation (scada)	2169.0	Edison Generation		
D1	BVMWC River PU (USGS)	4.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0			y	Debris Pool Elevation	0.0	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)	46.3										
K1	PH3# Penstock (SCADA)	46.3										

Santa Ana River Deliveries												
Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries						
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	9.9	J2	Tailrace Valve to Parshall Flume	16.8	V1	SAR PH #3 Afterbay Spill	2.0	
N1	BVMWC Highline	0.0	H2	Edwards Canal	1.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	21.2	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	16.8	H1	SBVWCD Diversion	40.4	Y1	Redlands Sandbox Spill	0.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	57.2	Z1	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	27.7	Parshall Flume (SCADA)		57.2	B1	BVMWC Highline	4.3	
R1	BVMWC Highline to Boulliou	0.0			Irrigation				C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boulliou	0.0			D2	Boulliou Box Weir	4.3	I2	Tailrace Pipeline	27.7		
T1	Tate Pump Station to Zanja	0.0			minus				L2	SBVWCD Parshall Flume	57.2	
C1	Greenspot Pipeline	0.0			B2	Gay Overflow	0.6	minus		J2	Tailrace Valve to Parshall Flume	16.8
						C2	Irrigation	3.7	K2	Northfork Parshall Flume	0.0	
								I1	Redlands Tunnel	0.4		
								N2	Total SAR Deliveries	91.0		

Mill Creek Inflows					
Total MC Inflows		Other			
A3	RPU Flow	15.6	E3	M/C #1 Penstock Flow	30.8
B3	M/C #3 Penstock	21.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	3.6	G3	Observation at Garnet	0.0
D3	Total MC Inflows	40.7			

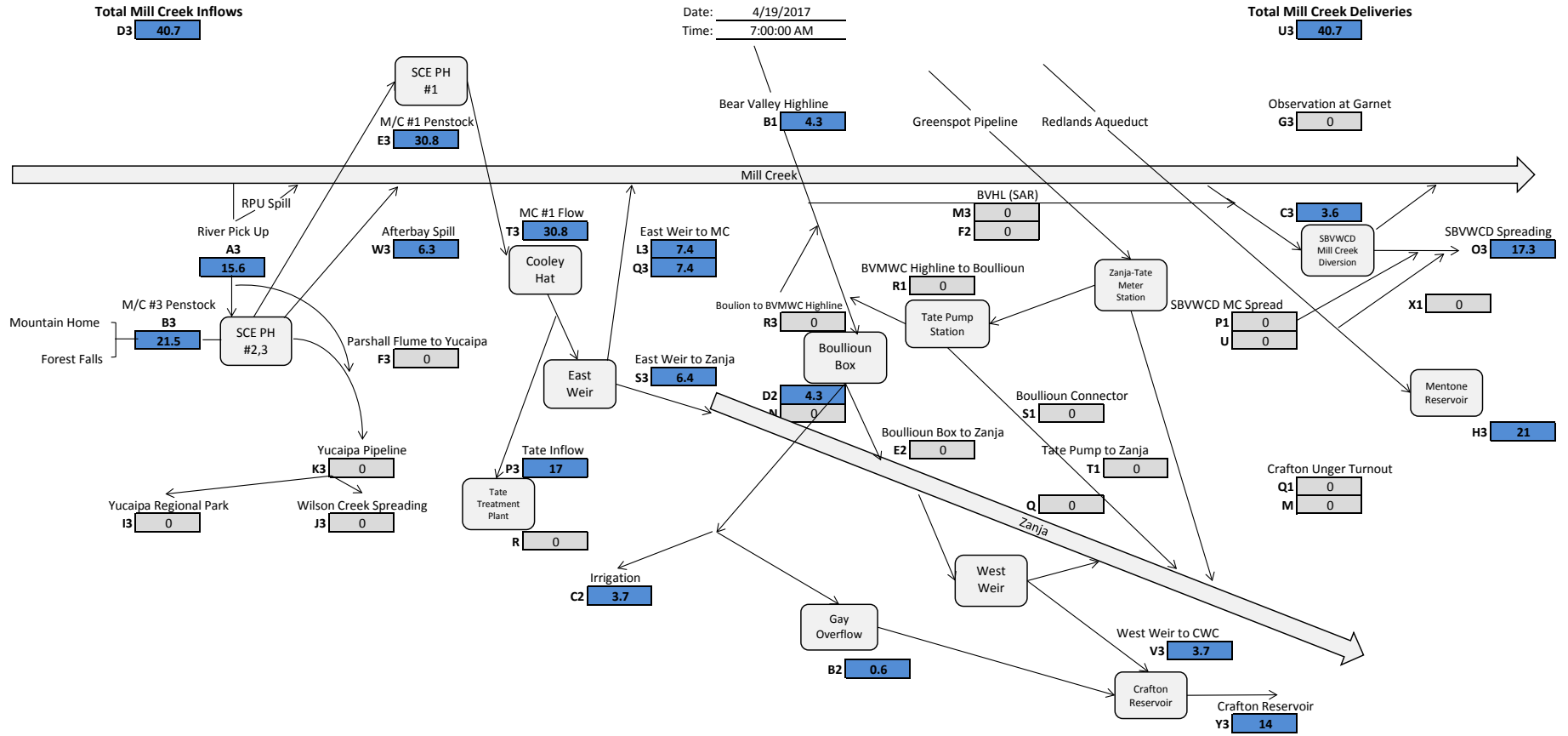
Mill Creek Deliveries												
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other						
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	17.0	C3	SBVWCD Mill Creek Diversion	3.6	H3	Mentone Reservoir Level	21.0	
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	7.4	T3	Mill Creek #1 Flow (Cooley Hat)	30.8	R3	Boulliou to BVMWC Highline	0.0	
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.4	W3	Mill Creek PH #2,3 Afterbay Spill	6.3	V3	Zanja West Weir to CWC Canal	3.7	
				T3	MC #1 Flow (Cooley Hat)	30.8	Total MC Deliveries		40.7	W3	Mill Creek PH #2,3 Afterbay Spill	6.3
										Y3	Crafton Reservoir Level (21.3)	14.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	3.6
L3	East Weir (MC)	7.4
M3	BVHL (SAR)	0.0
W3	Mill Creek PH #2,3 Afterbay Spill	6.3
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	17.3

SBVWCD Recharge									
Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	114.5	I4	17,435.1	166,000	I4	16,532.5	166,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	1,119.4		O4	956.8	
B4	Santa Ana River	F4	0.0	J4	1,795.9		J4	1,795.9	
C4	Mill Creek	G4	19.9	K4	4,089.0	99,700	K4	3,860.5	99,700
D4	Mill Creek	H4	0.0	L4	203.0		L4	203.0	
	Redlands		0.0		32.9			0.0	
	Loma Linda		0.0		486.6			0.0	
	East Valley		0.0		3,668.4			0.0	

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



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Santa Ana Stations

