

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/3/2017

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	26.1
N2	Total SAR Deliveries	26.1
A1	SAR PH#3 Penstock (calc)	18.9
B1	BVMWC Highline	5.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	3.6
G2	North Fork Canal Weir	6.0
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	10.5
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	62.7
V	Total SWP Deliveries	62.7
J	Northfork Canal	0.0
L	Redlands Aqueduct	9.9
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	19.3
U3	Total MC Deliveries	19.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	16.3

Reservoir Levels	Feet
Observation at SOD	2134.5
Crafton Reservoir Level (21.3)	17.0
Mentone Reservoir Level	19.5

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	19,326	166,000
Santa Ana River to Mill Creek	SAR-MC	1,462	0
Santa Ana River	SWP	5,498	0
Mill Creek	MC	5,237	99,700
Mill Creek	SWP	684	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 at 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	6.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.2	A1	SAR PH #3 Penstock (calc)	18.9
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	5.0	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	5.0
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	3.6	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	2.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	5.0	Z1	SOD Release Subtotal	2.2	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	10.8	Other						D1a	BV Pick-Up gated	☐
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	
minus			J1	Big Bear Lake Release	0.8	W	Observation at SOD	2134.5	Edison Generation		
D1	BVMWC River PU (USGS)	2.2	L1	SCE SAR AVM (SCADA)	26.6	X	SOD Reservoir Elevation (scada)	N/A	SAR PH#1 Generating ☒		
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating ☒		
A1	SAR PH #3 Penstock (calc)	18.9									
K1	PH3# Penstock (SCADA)	20.4									

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	6.0
H2	Edwards Canal	1.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	3.6
I2	Tailrace Pipeline	10.6
SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	3.6
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	3.6
	Parshall Flume (SCADA)	3.8
Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	10.8
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	5.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	10.6
L2	SBVWCD Parshall Flume	3.6
Irrigation		
D2	Boullioun Box Weir	5.0
minus		
B2	Gay Overflow	3.0
C2	Irrigation	2.0
minus		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	3.6
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	26.1

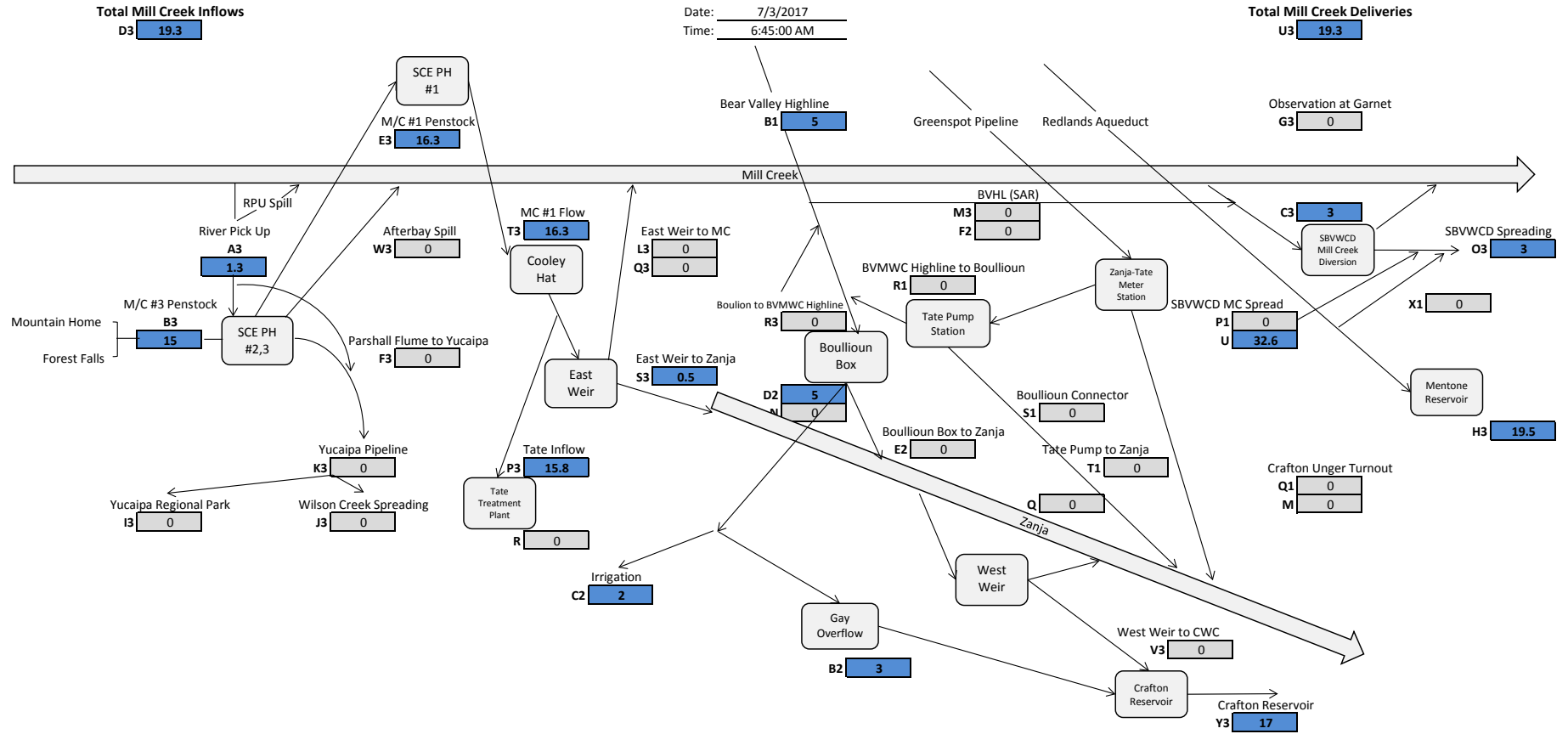
Mill Creek Inflows			
Total MC Inflows		Other	
A3	RPU Flow	1.3	
B3	M/C #3 Penstock	15.0	
C3	SBVWCD Mill Creek Diversion	3.0	
D3	Total MC Inflows	19.3	
E3	M/C #1 Penstock Flow	16.3	
F3	Stream Parshall Flume to Yucaipa	0.0	
G3	Observation at Garnet	0.0	

Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	15.8	C3	SBVWCD Mill Creek Diversion	3.0	H3	Mentone Reservoir Level	19.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	16.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.5	W3	Mill Creek PH #2,3 Afterbay Spill	0.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	16.3	U3	Total MC Deliveries	19.3	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	17.0
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	3.0									
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	3.0									

SBVWCD Recharge												
Location		Type	Previous Day (AF)			WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	21.4		I4	19,326.0	166,000	I4	18,423.4	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	108.4		J4	5,497.9		J4	5,497.9		
C4	Mill Creek	MC	G4	5.5		K4	5,236.7	99,700	K4	5,008.1	99,700	
D4	Mill Creek	SWP	H4	176.2		L4	683.5		L4	683.5		
	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

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Mill Creek Stations



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Santa Ana Stations

