

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/25/2017

Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	66.4
N2	Total SAR Deliveries	66.4
A1	SAR PH#3 Penstock (calc)	44.1
B1	BVMWC Highline	4.4
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	34.8
G2	North Fork Canal Weir	10.2
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	18.2
v1	PH3 Afterbay Spill Loss to SAR	2.0

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

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	39.8
U3	Total MC Deliveries	39.8
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	19.7
T3	MC #1 Flow (Cooley Hat)	32.4

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	13.5
Mentone Reservoir Level	21.2

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	18,029	166,000
Santa Ana River to Mill Creek	SAR-MC	1,204	0
Santa Ana River	SWP	1,796	0
Mill Creek	MC	4,173	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	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	N	BVMWC Boullioun Box	0.0	T	Newport for BVMWC	0.0
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	0.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	0.0
F	Recharge Project	0.0									
G	Total SWP Inflows	0.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	10.2	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.2	A1	SAR PH #3 Penstock (calc)	44.1
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	4.4	E1	Main River Gage (USGS)	17.9	B1	BVMWC Highline	4.4
J2	Tailrace Valve to Parshall Flume	16.9	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)	4.2
V1	PH#3 Afterbay SpillLoss to SAR	2.0	B1	BVMWC Highline 4.4		Z1	SOD Release Subtotal 22.1		E1	Main River Gage (USGS)	17.9
W1	Redlands Aqueduct / Sandbox	18.6							D1a	BV Pick-Up gated	☒
Y1	Redlands Sandbox Spill	0.0	Other						A5	Total SAR Inflows 66.4	
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)	50.4	X	SOD Reservoir Elevation (scada)	2158.3	SAR PH#1 Generating ☒		
I1	Redlands Tunnel	0.4	X1	SAR-MC Spread (Red. Aqueduct)	8.0	Y	Debris Pool Elevation	0.0	SAR PH#3 Generating ☒		
A1	SAR PH #3 Penstock (calc) 44.1										
K1	PH3# Penstock (SCADA) 44.1										

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	10.2	J2	Tailrace Valve to Parshall Flume	16.9	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	18.6
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	16.9	H1	SBVWCD Diversion	17.9	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	34.8	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	28.1		Parshall Flume (SCADA)	34.8	B1	BVMWC Highline	4.4
R1	BVMWC Highline to Boullioun	0.0				Irrigation			C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				D2	Boullioun Box Weir	4.4	I2	Tailrace Pipeline	28.1
T1	Tate Pump Station to Zanja	0.0				minus			L2	SBVWCD Parshall Flume	34.8
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	1.7	minus		
						C2	Irrigation	2.7	J2	Tailrace Valve to Parshall Flume	16.9
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	66.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	16.7	E3	M/C #1 Penstock Flow	32.4
B3	M/C #3 Penstock	21.4	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	1.7	G3	Observation at Garnet	0.0
D3	Total MC Inflows	39.8			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	20.0	C3	SBVWCD Mill Creek Diversion	1.7	H3	Mentone Reservoir Level	21.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	4.3	T3	Mill Creek #1 Flow (Cooley Hat)	32.4	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	8.1	W3	Mill Creek PH #2,3 Afterbay Spill	5.7	V3	Zanja West Weir to CWC Canal	4.6
			T3	MC #1 Flow (Cooley Hat)	32.4	U3	Total MC Deliveries	39.8	W3	Mill Creek PH #2,3 Afterbay Spill	5.7
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	13.5

SBVWCD MC Spreading

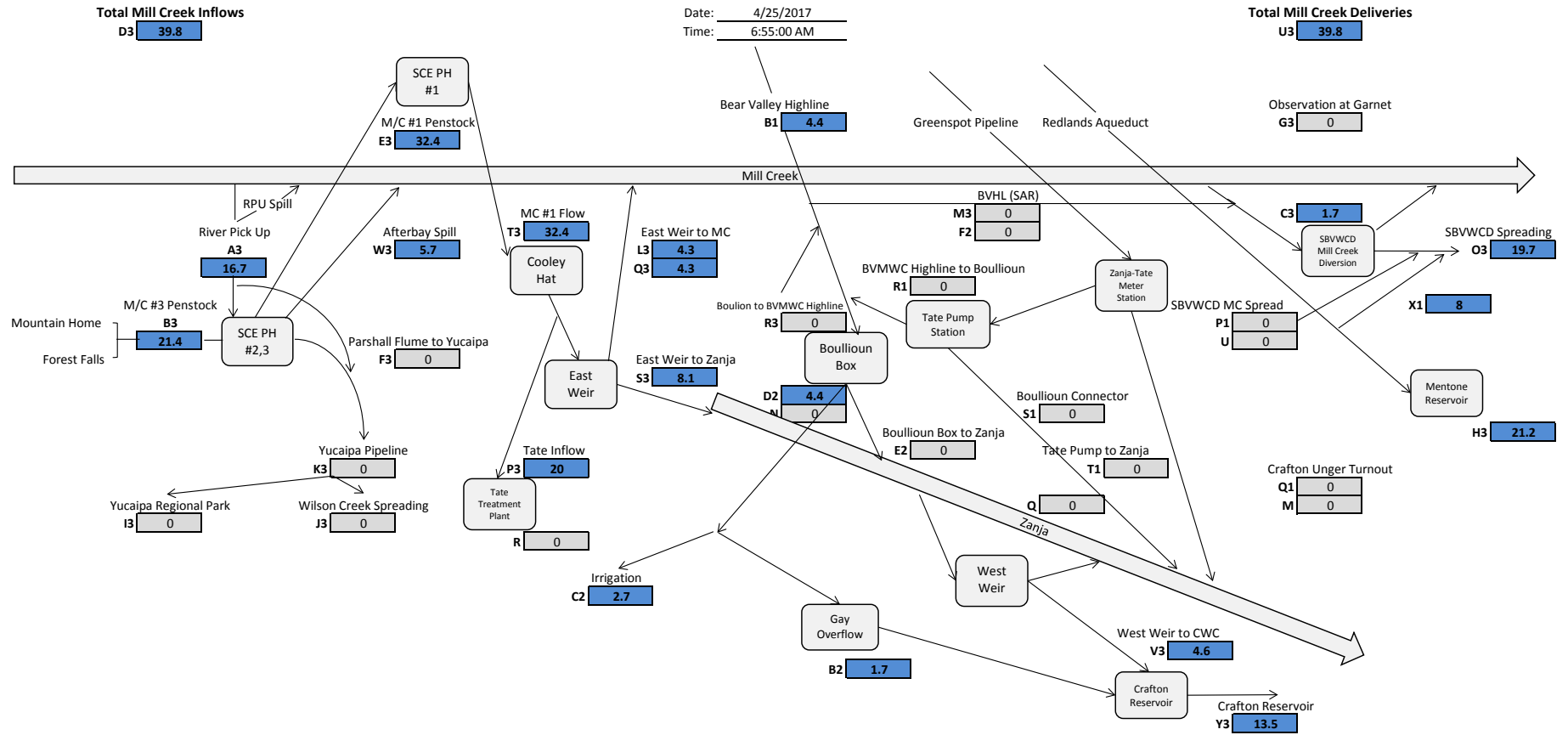
C3	SBVWCD Mill Creek Diversion	1.7
L3	East Weir (MC)	4.3
M3	BVHL (SAR)	0.0
W3	Mill Creek PH #2,3 Afterbay Spill	5.7
X1	SAR-MC Spread (Red. Aqueduct)	8.0
O3	SBVWCD MC Spreading	19.7

SBVWCD Recharge

Location		Type	Previous Day (AF)			WY To Date (AF)			Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	69.4		I4	18,029.3		166,000	I4	17,126.7	166,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	13.3		O4	1,204.1			O4	1,041.5	
B4	Santa Ana River	SWP	F4	0.0		J4	1,795.9			J4	1,795.9	
C4	Mill Creek	MC	G4	12.2		K4	4,173.0		99,700	K4	3,944.4	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		0.0			3,668.4				0.0	
SAR Passing Cuttle Weir (cfs)		0	Share of Lost SAR Flow			Estimate SAR flow (cfs)			0	Estimate SAR Recharge (AF)		0
Mill Creek Passing Garnet (cfs)		0	Share of Lost Mill Creek Flow			Estimate Mill Creek flow (cfs)			0	Estimate Mill Creek Recharge (AF)		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama			Total River Flow (cfs)			0	Total River Recharge (AF)		0

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Mill Creek Stations



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Santa Ana Stations

