

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/2/2018

Time: 6:55:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	32.2
N2	Total SAR Deliveries	32.2
A1	SAR PH#3 Penstock (calc)	26.0
B1	BVMWC Highline	3.5
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.9
G2	North Fork Canal Weir	7.1
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	17.7
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	1.3
V	Total SWP Deliveries	1.3
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	15.0
U3	Total MC Deliveries	15.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	15.0

Reservoir Levels	Feet
Observation at SOD	2177.6
Crafton Reservoir Level (21.3)	16.1
Mentone Reservoir Level	21.4

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	1,164	166,000
Santa Ana River to Mill Creek	SAR-MC	81	0
Santa Ana River	SWP	6,502	0
Mill Creek	MC	1,448	99,700
Mill Creek	SWP	1,627	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	0	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.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	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	1.3	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 1.3	
F	Recharge Project	0.0									
G	Total SWP Inflows 1.3										

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	7.1	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.7	A1	SAR PH #3 Penstock (calc)	26.0
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	3.5	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.5
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	2.9	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	2.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.5	Z1	SOD Release Subtotal	2.7	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	18.0							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	32.2
	minus										
D1	BVMWC River PU (USGS)	2.7									
I1	Redlands Tunnel	0.3									
A1	SAR PH #3 Penstock (calc)	26.0									
K1	PH#3 Penstock (SCADA)	26.0									

Other			Irrigation		
J1	Big Bear Lake Release	1.0	W	Observation at SOD	2177.6
L1	SCE SAR AVM (SCADA)	30.9	X	SOD Reservoir Elevation (scada)	2177.4
X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A

Edison Generation	
SAR PH#1 Generating	☒
SAR PH#3 Generating	☒

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	7.1
H2	Edwards Canal	1.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.9
I2	Tailrace Pipeline	11.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.9
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	2.9
	Parshall Flume (SCADA)	2.9

Irrigation		
D2	Boullioun Box Weir	3.5
		minus
B2	Gay Overflow	1.8
C2	Irrigation	1.7

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	18.0
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.5
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	11.0
L2	SBVWCD Parshall Flume	2.9
		minus
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	2.9
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	32.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	5.6	E3	M/C #1 Penstock Flow	15.0
B3	M/C #3 Penstock	9.4	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	15.0			

Mill Creek Deliveries

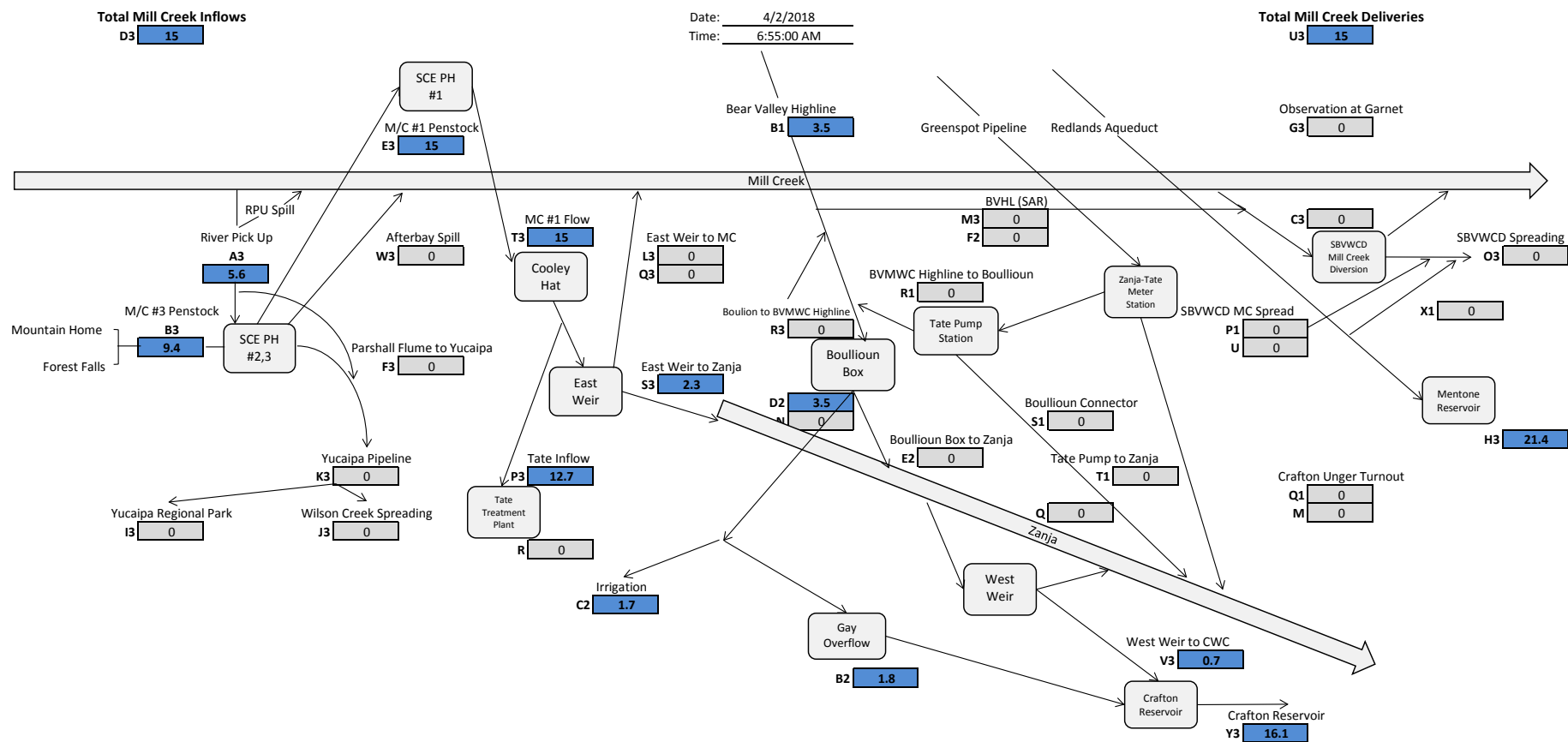
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.7	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	15.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.3	U3	Total MC Deliveries	15.0	V3	Zanja West Weir to CWC Canal	0.7
			T3	MC #1 Flow (Cooley Hat)	15.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	15.0				Y3	Crafton Reservoir Level (21.3)	16.1

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	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	18.6	I4	1,164.3	166,000	I4	1,164.3	166,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.5	O4	80.6		O4	54.4	
B4	Santa Ana River	SWP	F4	0.0	J4	6,502.3		J4	100.9	
C4	Mill Creek	MC	G4	0.5	K4	1,447.9	99,700	K4	1,234.5	99,700
D4	Mill Creek	SWP	H4	0.0	L4	1,627.4		L4	434.1	
	Redlands	SWP		0.0		0.0			0.0	
	Loma Linda	SWP		0.0		0.0			0.0	
	East Valley	SWP		0.0		0.0			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



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

