

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/13/2018

Time: 6:40:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	15.3
N2	Total SAR Deliveries	15.3
A1	SAR PH#3 Penstock (calc)	12.6
B1	BVMWC Highline	1.3
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	11.5
G2	North Fork Canal Weir	1.3
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	0.3
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	12.0
U3	Total MC Deliveries	12.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	12.0
T3	MC #1 Flow (Cooley Hat)	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	33.9
V	Total SWP Deliveries	33.9
J	Northfork Canal	5.9
L	Redlands Aqueduct	9.9
M	Crafton Unger Lane	6.2
T	Newport to BVMWC	0.6

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	13.6
Mentone Reservoir Level	17.8

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	12
Estimated Total River Recharge (AF)	12

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,421	166,000
Santa Ana River to Mill Creek	SAR-MC	115	0
Santa Ana River	SWP	6,502	0
Mill Creek	MC	1,553	99,700
Mill Creek	SWP	1,627	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	170	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	21.8	H	EVWDD City Creek	0.0	M	Crafton Unger Lane	6.2	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	7.3	N	BVMWC Boullioun Box	4.0	T	Newport for BVMWC	0.6
C	Exchange Water	0.0	J	Northfork Canal	5.9	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	12.1	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	9.9	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	33.9
F	Recharge Project	0.0									
G	Total SWP Inflows	33.9									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	1.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.4	A1	SAR PH #3 Penstock (calc)	12.6
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	1.3	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	1.3
J2	Tailrace Valve to Parshall Flume	6.9	E2	Boullioun Box to Zanja	0.0	F1	Greenspot Spill	0.0	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	4.6	F2	SBVWCD Mill Creek Spreading	0.0	Z1	SOD Release Subtotal	1.4	D1	BVMWC River PU (USGS)	1.4
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	1.3				E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	0.5							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.1							A5	Total SAR Inflows	15.3
	minus										
D1	BVMWC River PU (USGS)	1.4	J1	Big Bear Lake Release	1.0	w	Observation at SOD	N/A			
I1	Redlands Tunnel	0.3	L1	SCE SAR AVM (SCADA)	15.2	x	SOD Reservoir Elevation (scada)	2151.3			
A1	SAR PH #3 Penstock (calc)	12.6	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A			
K1	PH3# Penstock (SCADA)	12.6									

Edison Generation	
SAR PH#1 Generating	<input type="checkbox"/>
SAR PH#3 Generating	<input checked="" type="checkbox"/>

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	1.3	J2	Tailrace Valve to Parshall Flume	6.9	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	4.6	W1	Redlands Aqueduct / Sandbox	0.5
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	6.9	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.1
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	4.6	L2	SBVWCD Parshall Flume	11.5	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	13.7		Parshall Flume (SCADA)	10.3	B1	BVMWC Highline	1.3
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	13.7
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	11.5
C1	Greenspot Pipeline	0.0								minus	

Irrigation		
D2	Boullioun Box Weir	5.3
	minus	
B2	Gay Overflow	0.9
C2	Irrigation	4.4

Deliveries		
J2	Tailrace Valve to Parshall Flume	6.9
K2	Northfork Parshall Flume	4.6
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	15.3

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	12.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	12.0			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	12.0	H3	Mentone Reservoir Level	17.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	12.0	V3	Zanja West Weir to CWC Canal	4.5
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	0.0				Y3	Crafton Reservoir Level (21.3)	13.6

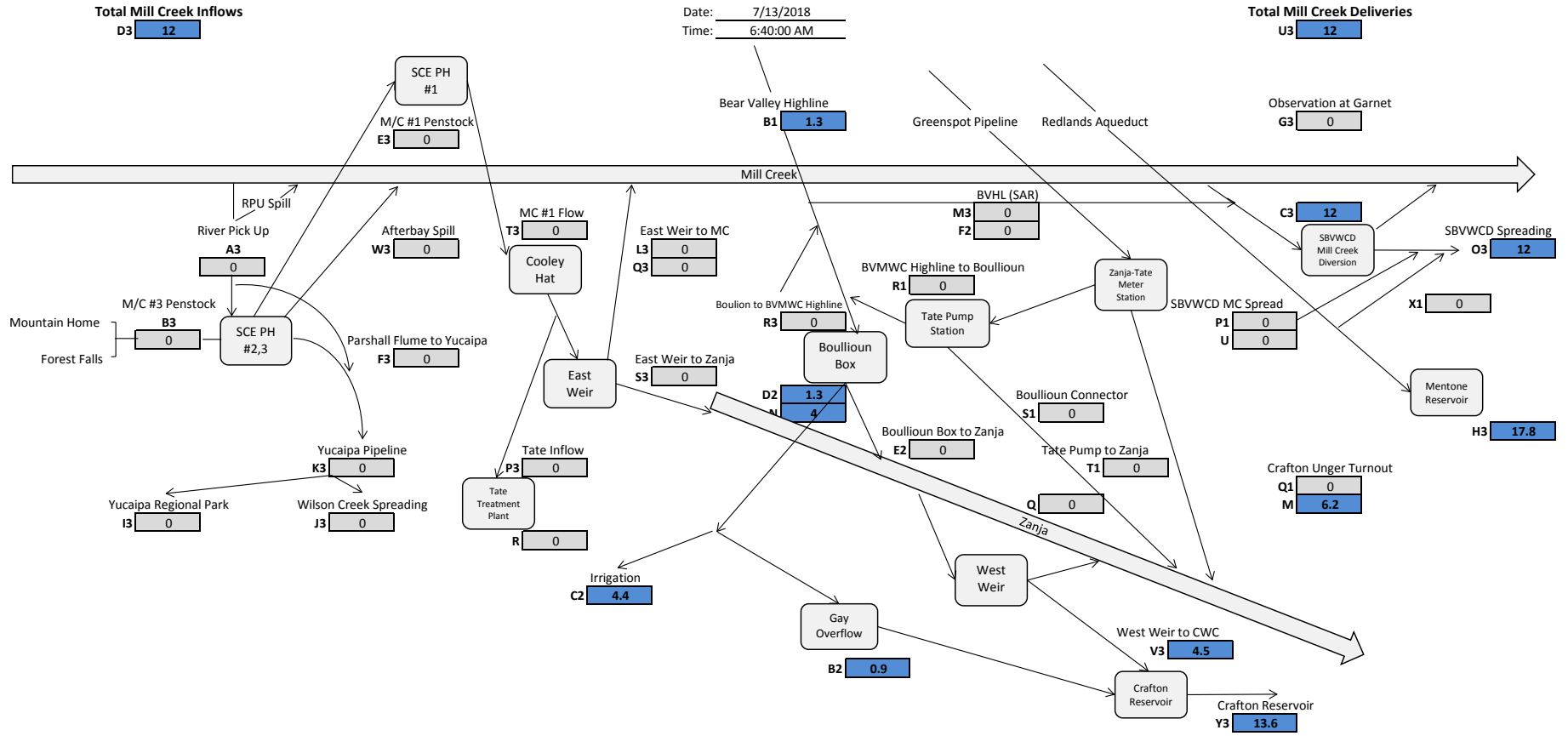
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	12.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	12.0

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	24.5	I4	2,421.2	166,000	I4	2,421.2	166,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	114.6		O4	88.3	
B4	Santa Ana River	F4	0.0	J4	6,502.3		J4	100.9	
C4	Mill Creek	G4	28.7	K4	1,553.1	99,700	K4	1,339.7	99,700
D4	Mill Creek	H4	0.0	L4	1,627.4		L4	434.1	
	Redlands		0.0		0.0			0.0	
	Loma Linda		0.0		0.0			0.0	
	East Valley		14.3		170.0			170.0	

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)	12
Flow in the River Above Alabama	0	Flowing Beyond Alabama	0	Total River Flow (cfs)	0	Total River Recharge (AF)	12

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



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Santa Ana Stations

