

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 3/11/2019
Time: 7:10:00 AM

State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	1.0	H	EVWDD City Creek	3.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	61.2	N	BVMWC Boullioun Box	1.0	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	34.1
D	Purchased Water	98.3	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	99.3
F	Recharge Project	0.0									
G	Total SWP Inflows	99.3									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	3.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	8.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	112.8	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	5.2	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)	8.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	121.5	E1	Main River Gage (USGS)	112.8
W1	Redlands Aqueduct / Sandbox	0.8							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.3							A5	Total SAR Inflows	121.5
minus			Other						Edison Generation		
D1	BVMWC River PU (USGS)	8.7	J1	Big Bear Lake Release	0.3	w	Observation at SOD	2308.4	SAR PH#1 Generating <input type="checkbox"/>		
I1	Redlands Tunnel	1.1	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2308.0	SAR PH#3 Generating <input type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A			
K1	PH#3 Penstock (SCADA)	N/A									

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.5	J2	Tailrace Valve to Parshall Flume	5.2	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	0.8
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	5.2	H1	SBVWCD Diversion	112.8	Y1	Redlands Sandbox Spill	0.3
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	minus			Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	8.7	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0	
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	118.0	C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0	Irrigation			Parshall Flume (SCADA)		108.5	I2	Tailrace Pipeline	8.7
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0			L2	SBVWCD Parshall Flume	118.0	
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	1.0	minus			J2	Tailrace Valve to Parshall Flume	5.2
			minus						K2	Northfork Parshall Flume	0.0
			B2	Gay Overflow	0.7				I1	Redlands Tunnel	1.1
			C2	Irrigation	0.3				N2	Total SAR Deliveries	121.5

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	38.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	38.0			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
J3	Wilson Creek Spreading	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	38.0	H3	Mentone Reservoir Level	21.2
K3	Yucaipa Pipeline	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
			S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	38.0	V3	Zanja West Weir to CWC Canal	0.0
			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)	17.6

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	38.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	38.0

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	699.9	I4	5,876.0	176,000	I4	5,805.2	176,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	200.5		O4	109.0	
B4	Santa Ana River	F4	358.7	J4	6,527.6		J4	5,512.3	
C4	Mill Creek	G4	238.0	K4	2,427.4	106,000	K4	1,814.9	106,000
D4	Mill Creek	H4	172.3	L4	588.4		L4	588.4	
	Redlands		0.0		0.0			0.0	
	Loma Linda		0.0		0.0			0.0	
	East Valley		0.0		134.4			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)	35	
Flow in the River Above Alabama	0	Flowing Beyond Alabama	0	Total River Flow (cfs)	0		Total River Recharge (AF)	35	

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Daily Flow Report Summary

Date: 3/11/2019

Time: 7:10:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	121.5
N2	Total SAR Deliveries	121.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	118.0
G2	North Fork Canal Weir	3.5
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	0.0
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	38.0
U3	Total MC Deliveries	38.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	38.0
T3	MC #1 Flow (Cooley Hat)	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	99.3
V	Total SWP Deliveries	99.3
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

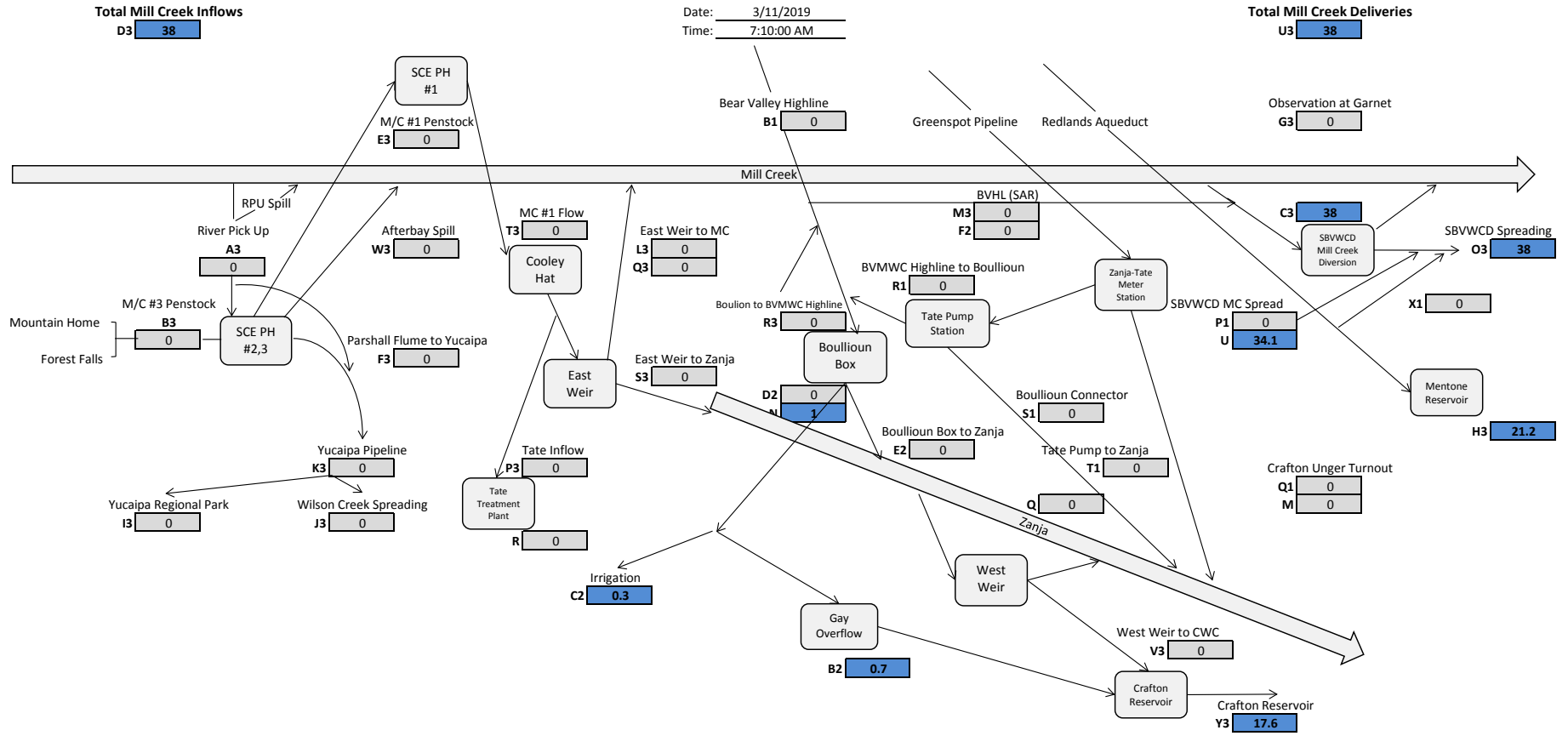
Reservoir Levels	Feet
Observation at SOD	2308.4
Crafton Reservoir Level (21.3)	17.6
Mentone Reservoir Level	21.2

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	35
Estimated Total River Recharge (AF)	35

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	5,876	176,000
Santa Ana River to Mill Creek	SAR-MC	201	0
Santa Ana River	SWP	6,528	0
Mill Creek	MC	2,427	106,000
Mill Creek	SWP	588	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	134	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 throughout the day. Water at SARC is recharge for Groundwater Council.

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



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations

