

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 5/30/2019

Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	228.8
N2	Total SAR Deliveries	228.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	111.0
G2	North Fork Canal Weir	5.3
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	17.5
Z2	Cuttle Weir to River	95.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	42.1
V	Total SWP Deliveries	42.1
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	6.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	40.0
U3	Total MC Deliveries	40.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	26.0
T3	MC #1 Flow (Cooley Hat)	23.3

Reservoir Levels	Feet
Observation at SOD	2247.8
Crafton Reservoir Level (21.3)	16.6
Mentone Reservoir Level	22.1

River Recharge	AF
Estimate SAR Recharge (AF)	316
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	316

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	24,591	176,000
Santa Ana River to Mill Creek	SAR-MC	208	0
Santa Ana River	SWP	8,595	0
Mill Creek	MC	8,503	106,000
Mill Creek	SWP	5,258	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.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	8.0	H	EVWD 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	0.0	N	BVMWC Boullioun Box	2.0	T	Newport for BVMWC	6.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	31.1
D	Purchased Water	34.1	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	42.1
F	Recharge Project	0.0									
G	Total SWP Inflows	42.1									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	5.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	22.8	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	206.0	B1	BVMWC Highline	0.0
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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	22.8
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	228.8	E1	Main River Gage (USGS)	206.0
W1	Redlands Aqueduct / Sandbox	19.0							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	228.8
	minus										
D1	BVMWC River PU (USGS)	22.8									
I1	Redlands Tunnel	1.5									
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH#3 Penstock (SCADA)	N/A									

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	5.3	J2	Tailrace Valve to Parshall Flume	0.0	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	19.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	111.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0		minus		Z2	Cuttle Weir To River	95.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	5.3		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	5.3
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	111.0
C1	Greenspot Pipeline	0.0								minus	
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	1.5
									N2	Total SAR Deliveries	228.8

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	23.3	E3	M/C #1 Penstock Flow	23.3
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	16.7	G3	Observation at Garnet	0.0
D3	Total MC Inflows	40.0			

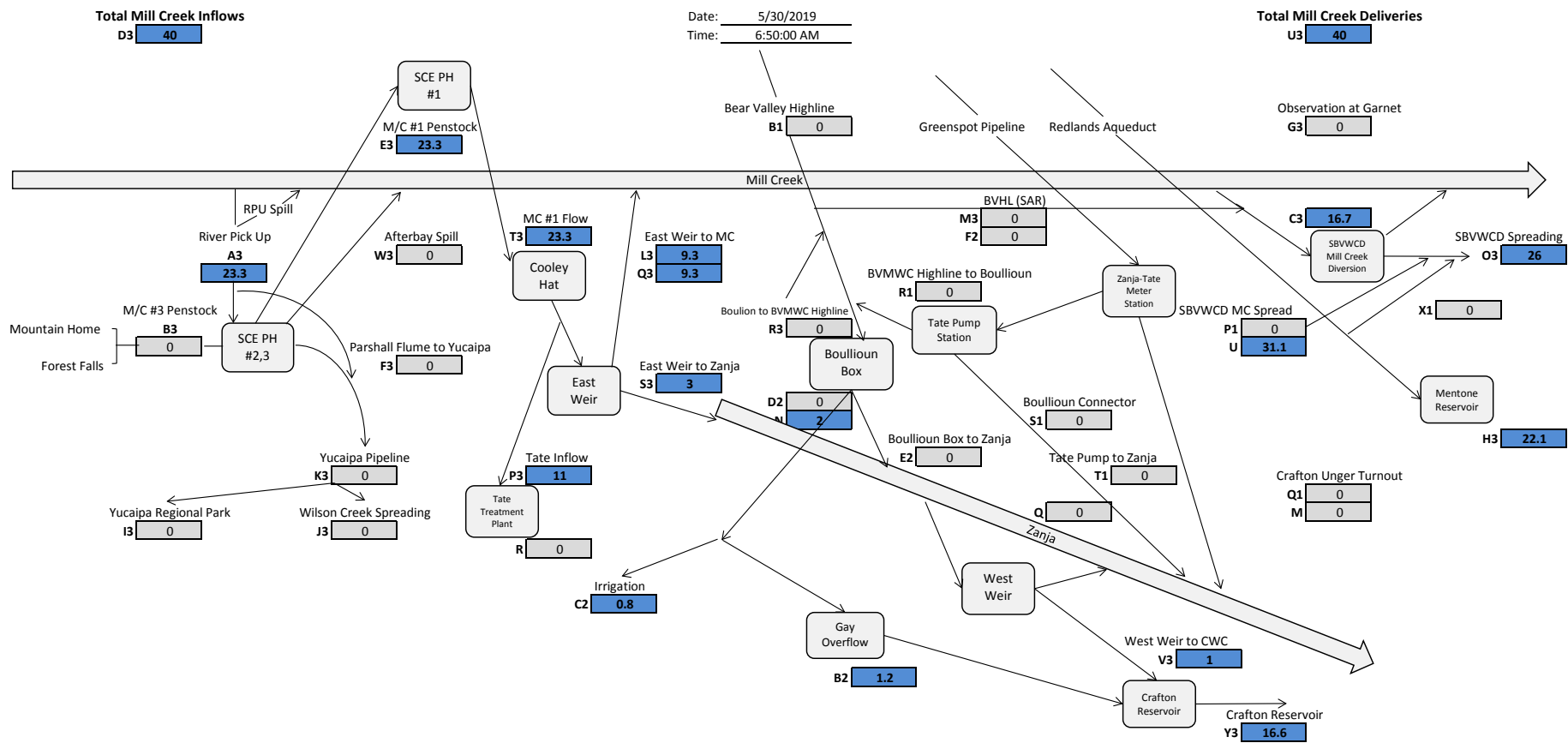
Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
	Yucaipa Regional Park	0.0	P3	Tate Inflow	11.0	C3	SBVWCD Mill Creek Diversion	16.7	H3	Mentone Reservoir Level	22.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	9.3	T3	Mill Creek #1 Flow (Cooley Hat)	23.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	3.0	U3	Total MC Deliveries	40.0	V3	Zanja West Weir to CWC Canal	1.0
			T3	MC #1 Flow (Cooley Hat)	23.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	25.2				Y3	Crafton Reservoir Level (21.3)	16.6

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	220.2	I4	24,590.5	176,000	I4	24,519.6	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	208.2		O4	116.7	
B4	Santa Ana River	SWP	F4	0.0	J4	8,594.9		J4	7,579.7	
C4	Mill Creek	MC	G4	43.7	K4	8,503.1	106,000	K4	7,890.6	106,000
D4	Mill Creek	SWP	H4	58.2	L4	5,258.0		L4	5,258.0	
	Redlands	SWP		0.0		0.0			0.0	
	Loma Linda	SWP		0.0		0.0			0.0	
	East Valley	SWP		0.0		134.4			0.0	
SAR Passing Cuttle Weir (cfs)	95		Share of Lost SAR Flow	50	Estimate SAR flow (cfs)	45		Estimate SAR Recharge (AF)	316	
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	95		Flowing Beyond Alabama	50	Total River Flow (cfs)	45		Total River Recharge (AF)	316	

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



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Santa Ana Stations

