

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/9/2023
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	83.3
N2	Total SAR Deliveries	83.3
A1	SAR PH#3 Penstock (calc)	35.8
B1	BVMWC Highline	6.8
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	35.0
G2	North Fork Canal Weir	10.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	31.5
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	22.8
U3	Total MC Deliveries	22.8
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	22.8

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	8.1
V	Total SWP Deliveries	8.1
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	NA
Crafton Reservoir Level (21.3)	18.1
Mentone Reservoir Level	16.8

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	30
Estimated Total River Recharge (AF)	30

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	43,509	176,000
Santa Ana River to Mill Creek	SAR-MC	1,622	0
Santa Ana River to Mill Creek	SWP	263	0
Santa Ana River	SWP	234	0
Mill Creek	MC	16,631	106,000
Mill Creek	SWP	1,332	0
Plunge Creek	PLC	2,613	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. *Mill Creek off line due to construction starting 8/8/2023 .

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	7.0	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	8.1	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.1
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	8.1
F	Recharge Project	0.0									
G	Total SWP Inflows	8.1									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	10.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	7.7	A1	SAR PH #3 Penstock (calc)	35.8
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	6.8	E1	Main River Gage (USGS)	33.0	B1	BVMWC Highline	6.8
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	2.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	3.4	D1	BVMWC River PU (USGS)	7.7
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	6.8	Z1	SOD Release Subtotal	37.3	E1	Main River Gage (USGS)	33.0
W1	Redlands Aqueduct / Sandbox	21.3	Other					D1a	BV Pick-Up gated	-	
Y1	Redlands Sandbox Spill	11.0	J1	Big Bear Lake Release	0.6	w	Observation at SOD	NA	A5	Total SAR Inflows	83.3
Minus			L1	SCE SAR AVM (SCADA)	39.2	x	SOD Reservoir Elevation (scada)	2160.5	Edison Generation		
D1	BVMWC River PU (USGS)	7.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A	SAR PH#1 Generating		
I1	Redlands Tunnel	0.8							SAR PH#3 Generating	✓	
A1	SAR PH #3 Penstock (calc)	35.8									
K1	PH3# Penstock (SCADA)	25.4									

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries					
M1	Redlands sand box	0.0	G2	Northfork Canal Weir	10.0	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	2.0	W1	Redlands Aqueduct / Sandbox	21.3
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	33.0	Y1	Redlands Sandbox Spill	11.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	2.0	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.0	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	6.8
R1	BVMWC Highline to Boullioun	0.0	Irrigation					C1	Greenspot Pipeline	0.0	
S1	Tres Lagos	0.0	D2	Boullioun Box Weir	6.8		SBVWCD Parshall Flume	35.0	I2	Tailrace Pipeline	12.0
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0		Parshall Flume (SCADA)	22.2	L2	SBVWCD Parshall Flume	35.0
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0				L2	Sedimentation Recharge	0.0
			minus					minus			
			B2	Gay Overflow	2.4				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	4.4				K2	Northfork Parshall Flume	2.0
									I1	Redlands Tunnel	0.8
									N2	Total SAR Deliveries	83.3

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	8.4	E3	M/C #1 Penstock Flow	22.8
B3	M/C #3 Penstock	14.4	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	15.0
D3	Total MC Inflows	22.8			

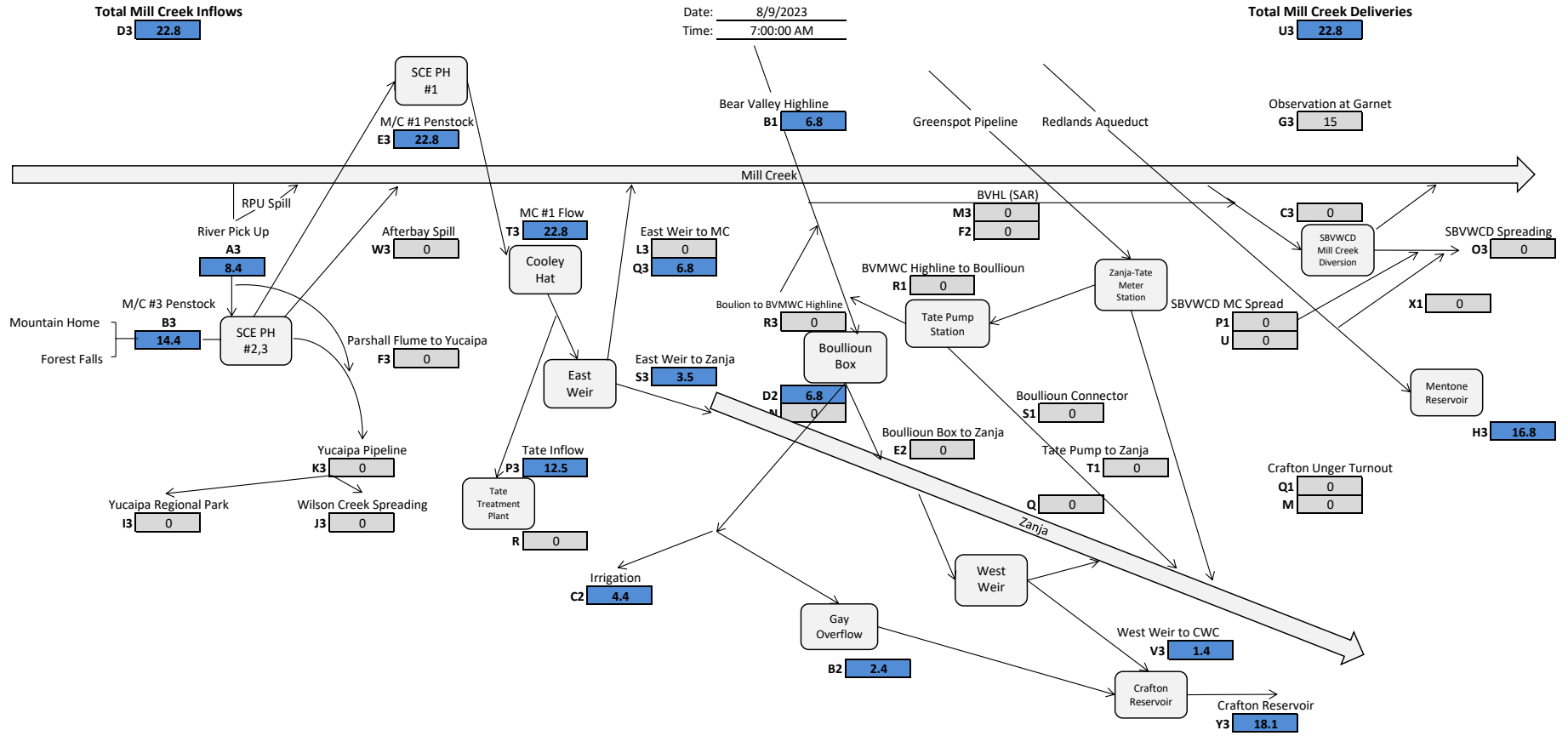
Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	16.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	6.8	T3	Mill Creek #1 Flow (Cooley Hat)	22.8	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	3.5	U3	Total MC Deliveries	22.8	V3	Zanja West Weir to CWC Canal	1.4
			T3	MC #1 Flow (Cooley Hat)	22.8				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	25.9				Y3	Crafton Reservoir Level (21.3)	18.1
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	73.4	I4	43,508.5	176,000	I4	43,021.0	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	1,621.9		O4	1,438.3	
	Santa Ana Rvr to Mill Creek	SWP		0.0		263.4			263.4	
B4	Santa Ana River	SWP	F4	0.0	J4	234.3		J4	234.3	
C4	Mill Creek	MC	G4	0.1	K4	16,630.8	106,000	K4	16,006.0	106,000
D4	Mill Creek	SWP	H4	0.0	L4	1,331.9		L4	1,331.9	
	Plunge Creek	PLC		0.0		2,612.5			2,191.0	
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)	15		Share of Lost Mill Creek Flow	3	Estimate Mill Creek flow (cfs)	12		Estimate Mill Creek Recharge (AF)	30	
Flow in the River Above Alabama	15		Flowing Beyond Alabama	3	Total River Flow (cfs)	12		Total River Recharge (AF)	30	

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



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations

