

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/28/2023

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	420.0
N2	Total SAR Deliveries	420.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	7.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	4.6
Z2	Cuttle Weir to River	408.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	56.0
V	Total SWP Deliveries	56.0
J	Northfork Canal	0.0
L	Redlands Aqueduct	9.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

Reservoir Levels	Feet
Observation at SOD	2196.0
Crafton Reservoir Level (21.3)	18.6
Mentone Reservoir Level	17.2

River Recharge	AF
Estimate SAR Recharge (AF)	108
Estimate Mill Creek Recharge (AF)	31
Estimated Total River Recharge (AF)	139

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	44,422	176,000
Santa Ana River to Mill Creek	SAR-MC	1,622	0
Santa Ana River to Mill Creek	SWP	311	0
Santa Ana River	SWP	234	0
Mill Creek	MC	16,631	106,000
Mill Creek	SWP	1,789	0
Plunge Creek	PLC	2,672	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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Date: 8/28/2023
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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	10.0	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	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	35.0
D	Purchased Water	12.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	9.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 56.0	
F	Recharge Project	44.0									
G	Total SWP Inflows	56.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	415.4	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)	4.6
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	420.0	E1	Main River Gage (USGS)	415.4
W1	Redlands Aqueduct / Sandbox	0.0							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	5.3							A5	Total SAR Inflows	420.0
Minus											
D1	BVMWC River PU (USGS)	4.6									
I1	Redlands Tunnel	0.7									
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH3# Penstock (SCADA)	0.0									

Other			Edison Generation		
J1	Big Bear Lake Release	0.6	W	Observation at SOD	2196.0
I1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2196.4
X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A

SAR PH#1 Generating	0.0
SAR PH#3 Generating	0.0

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	Redlands sand box	0.0	G2	Northfork Canal Weir	0.0	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	0.0	W1	Redlands Aqueduct / Sandbox	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	7.0	Y1	Redlands Sandbox Spill	5.3
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0				Z2	Cuttle Weir To River	408.4
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0				B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0							I2	Tailrace Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	7.0
C1	Greenspot Pipeline	0.0							L2	Sedimentation Recharge	0.0

Irrigation			Parshall Flume (SCADA)		
D2	Boullioun Box Weir	0.0	L2	SBVWCD Parshall Flume	7.0
R1	BVMWC Highline to Boullioun	0.0		Parshall Flume (SCADA)	NA
N	BVMWC Boullioun Box	2.0			
minus					
B2	Gay Overflow	1.4			
C2	Irrigation	0.6			

minus					
J2	Tailrace Valve to Parshall Flume	0.0			
K2	Northfork Parshall Flume	0.0			
I1	Redlands Tunnel	0.7			
N2	Total SAR Deliveries	420.0			

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	0.0	G3	Observation at Garnet	80.0
D3	Total MC Inflows	0.0			

Mill Creek Deliveries

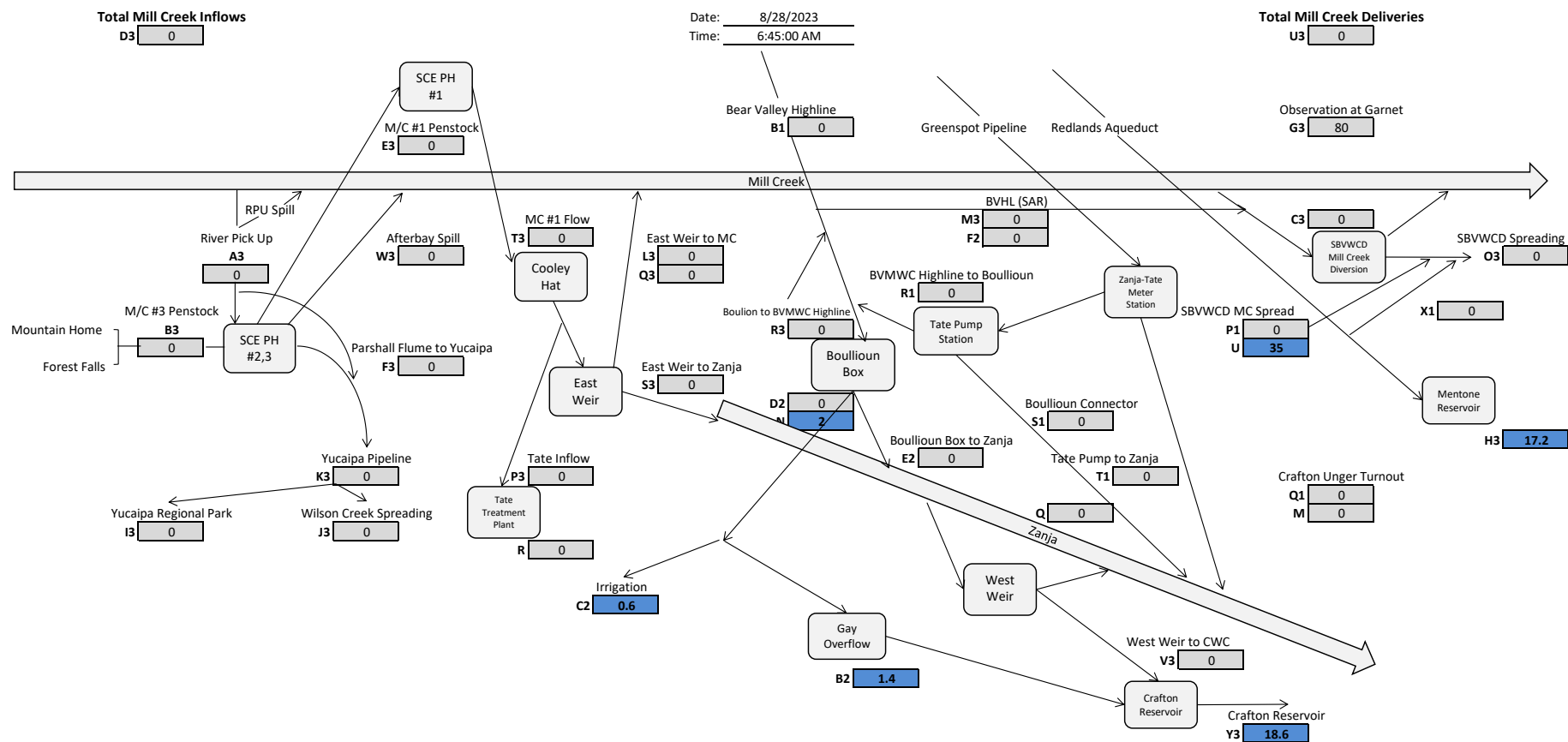
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	17.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	0.0	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)	0.4				Y3	Crafton Reservoir Level (21.3)	18.6

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			Previous Day (AF)			WY To Date (AF)			Calendar Year To Date (AF)		
A4	Santa Ana River	SAR	E4	41.5		I4	44,422.0	176,000	I4	43,934.5	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		47.2			310.6			310.6	
B4	Santa Ana River	SWP	F4	0.0		J4	234.3		J4	234.3	
C4	Mill Creek	MC	G4	0.0		K4	16,630.8	106,000	K4	16,006.0	106,000
D4	Mill Creek	SWP	H4	208.3		L4	1,788.7		L4	1,788.7	
	Plunge Creek	PLC		17.9			2,671.7			2,550.3	
SAR Passing Cuttle Weir (cfs)			Share of Lost SAR Flow			Estimate SAR flow (cfs)			Estimate SAR Recharge (AF)		
Mill Creek Passing Garnet (cfs)			Share of Lost Mill Creek Flow			Estimate Mill Creek flow (cfs)			Estimate Mill Creek Recharge (AF)		
Flow in the River Above Alabama			Flowing Beyond Alabama			Total River Flow (cfs)			Total River Recharge (AF)		

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



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Santa Ana Stations

