

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 12/22/2023

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	69.6
N2	Total SAR Deliveries	69.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	45.0
G2	North Fork Canal Weir	5.6
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	19.0
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	66.8
V	Total SWP Deliveries	66.8
J	Northfork Canal	3.1
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	24.0
U3	Total MC Deliveries	24.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	16.0
T3	MC #1 Flow (Cooley Hat)	24.0

Reservoir Levels	Feet
Observation at SOD	2201.3
Crafton Reservoir Level (21.3)	16.8
Mentone Reservoir Level	16.3

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	7
Estimated Total River Recharge (AF)	7

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	7,129	176,000
Santa Ana River to Mill Creek	SAR-MC	7	0
Santa Ana River to Mill Creek	SWP	1,409	0
Santa Ana River	SWP	2,831	0
Mill Creek	MC	21	106,000
Mill Creek	SWP	4,958	0
Plunge Creek	PLC	21	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. Water in Mill Creek at the east weir is being turned out to river due to Mill Creek diversion project.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	0.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	25.7	N	BVMWC Boullioun Box	3.2	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	3.1	P	SARC West	0.0	U	M/C spreading at Zanja Tate	34.8
D	Purchased Water	6.3	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 66.8	
F	Recharge Project	60.5									
G	Total SWP Inflows	66.8									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	5.6	A2	Newport	0.0	D1	BVMWC River PU (USGS)	28.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	41.4	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	3.6	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	28.2
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	69.6	E1	Main River Gage (USGS)	41.4
W1	Redlands Aqueduct / Sandbox	12.5							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	7.0							A5	Total SAR Inflows	69.6
Minus			Other						Edison Generation		
D1	BVMWC River PU (USGS)	28.2	J1	Big Bear Lake Release	0.9	W	Observation at SOD	2201.3	SAR PH#1 Generating		
I1	Redlands Tunnel	0.5	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2200.6	SAR PH#3 Generating		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	N/A			
K1	PH3# Penstock (SCADA)	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	5.6	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	3.6	W1	Redlands Aqueduct / Sandbox	12.5
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	41.4	Y1	Redlands Sandbox Spill	7.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	3.6				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	9.2	Sedimentation Basin Recharge			B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	45.0	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation			Parshall Flume (SCADA)			I2	Tailrace Pipeline	9.2
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	45.0
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0
			N	BVMWC Boullioun Box	3.2				minus		
			minus						J2	Tailrace Valve to Parshall Flume	0.0
			B2	Gay Overflow	1.9				K2	Northfork Parshall Flume	3.6
			C2	Irrigation	1.3				I1	Redlands Tunnel	0.5
									N2	Total SAR Deliveries	69.6

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	10.4	E3	M/C #1 Penstock Flow	24.0
B3	M/C #3 Penstock	13.6	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	3.0
D3	Total MC Inflows	24.0			

Mill Creek Deliveries

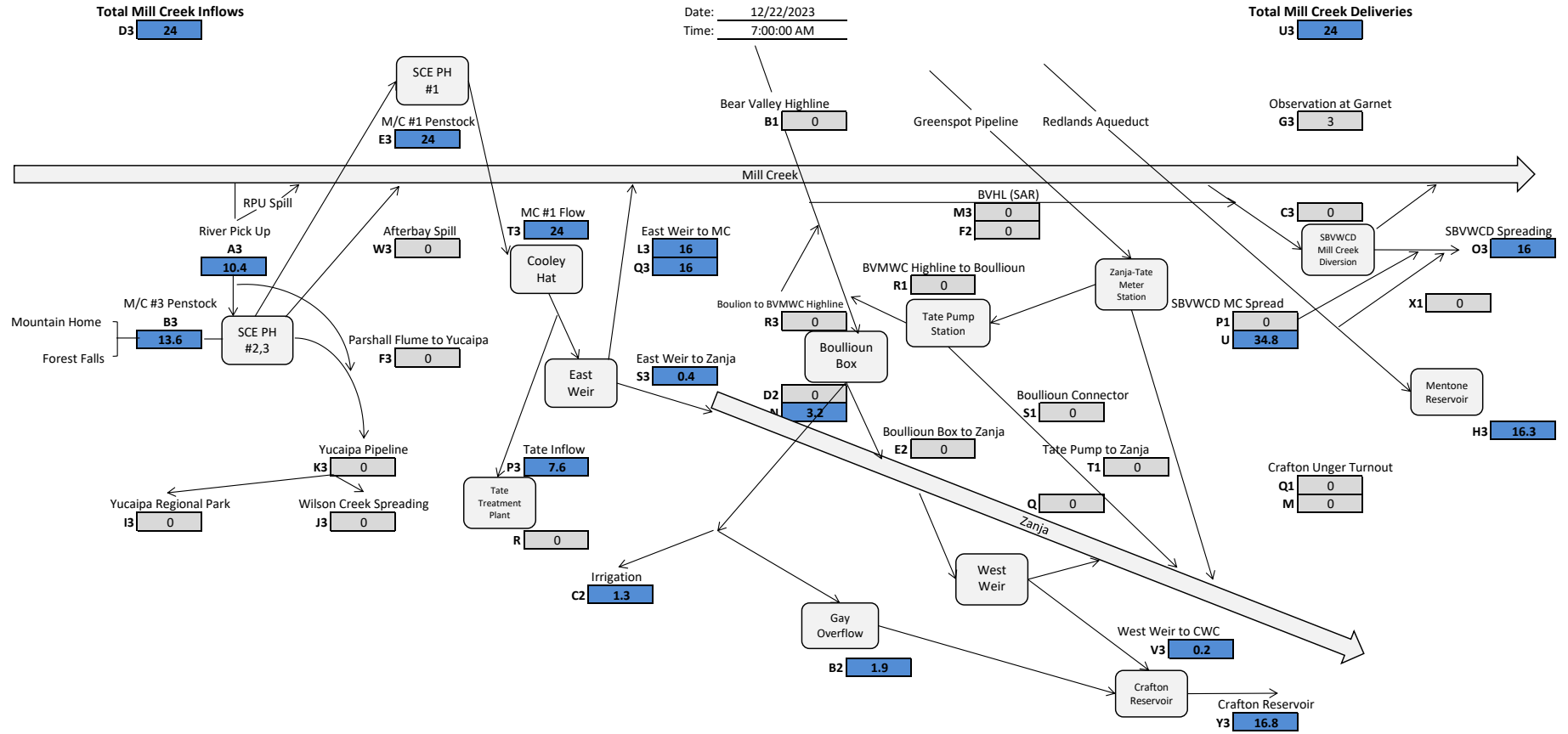
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	7.6	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	16.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	16.0	T3	Mill Creek #1 Flow (Cooley Hat)	24.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.4	U3	Total MC Deliveries	24.0	V3	Zanja West Weir to CWC Canal	0.2
			T3	MC #1 Flow (Cooley Hat)	24.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	28.2				Y3	Crafton Reservoir Level (21.3)	16.8
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir Recharge (MC)	16.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	16.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	91.2	I4	7,129.1	176,000	I4	54,158.2	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	6.5		O4	1,444.3	
	Santa Ana Rvr to Mill Creek	SWP		0.0		1,409.4			2,278.2	
B4	Santa Ana River	SWP	F4	52.0	J4	2,831.4		J4	4,443.9	
C4	Mill Creek	MC	G4	17.4	K4	20.8	106,000	K4	16,026.8	106,000
D4	Mill Creek	SWP	H4	70.0	L4	4,958.1		L4	7,621.9	
	Plunge Creek	PLC		2.0		20.5			2,623.1	
SAR Passing Cuttle Weir (cfs)			0	Share of Lost SAR Flow	0	Estimate SAR flow (cfs)	0	Estimate SAR Recharge (AF)		
Mill Creek Passing Garnet (cfs)			3	Share of Lost Mill Creek Flow	2	Estimate Mill Creek flow (cfs)	1	Estimate Mill Creek Recharge (AF)		
Flow in the River Above Alabama			3	Flowing Beyond Alabama	2	Total River Flow (cfs)	1	Total River Recharge (AF)		

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Mill Creek Stations



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Santa Ana Stations

