

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 12/28/2023

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	3.0
N2	Total SAR Deliveries	3.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	3.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	0.0
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	65.7
V	Total SWP Deliveries	65.7
J	Northfork Canal	5.0
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	21.9
U3	Total MC Deliveries	21.9
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	9.0
T3	MC #1 Flow (Cooley Hat)	19.1

Reservoir Levels	Feet
Observation at SOD	2199.5
Crafton Reservoir Level (21.3)	13.5
Mentone Reservoir Level	16.2

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	6
Estimated Total River Recharge (AF)	6

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	7,588	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	3,137	0
Mill Creek	MC	172	106,000
Mill Creek	SWP	5,372	0
Plunge Creek	PLC	22	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	26.2	N	BVMWC Boullioun Box	0.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	5.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	34.5
D	Purchased Water	5.0	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 65.7	
F	Recharge Project	60.7									
G	Total SWP Inflows	65.7									

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)	3.0	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	0.0	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	3.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	3.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	3.0	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	0.0							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	0.5							A5	Total SAR Inflows	3.0
Minus											
D1	BVMWC River PU (USGS)	3.0									
I1	Redlands Tunnel	0.5									
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH3# Penstock (SCADA)	0.0									

Other			Edison Generation		
J1	Big Bear Lake Release	0.9	W	Observation at SOD	2199.5
L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2199.4
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 FlumeTo 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	3.0	W1	Redlands Aqueduct / Sandbox	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.5
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	3.0				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	3.0				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	3.0
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	3.0
C1	Greenspot Pipeline	0.0							L2	Sedimentation Recharge	0.0

Irrigation			Parshall Flume (SCADA)		
D2	Boullioun Box Weir	0.0	L2	SBVWCD Parshall Flume	3.0
R1	BVMWC Highline to Boullioun	0.0		Parshall Flume (SCADA)	0.0
N	BVMWC Boullioun Box	0.0			
minus					
B2	Gay Overflow	0.0			
C2	Irrigation	0.0			

J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	3.0
I1	Redlands Tunnel	0.5
N2	Total SAR Deliveries	3.0

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPV Flow	4.9	E3	M/C #1 Penstock Flow	21.9
B3	M/C #3 Penstock	14.2	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	2.8	G3	Observation at Garnet	0.1
D3	Total MC Inflows	21.9			

Mill Creek Deliveries

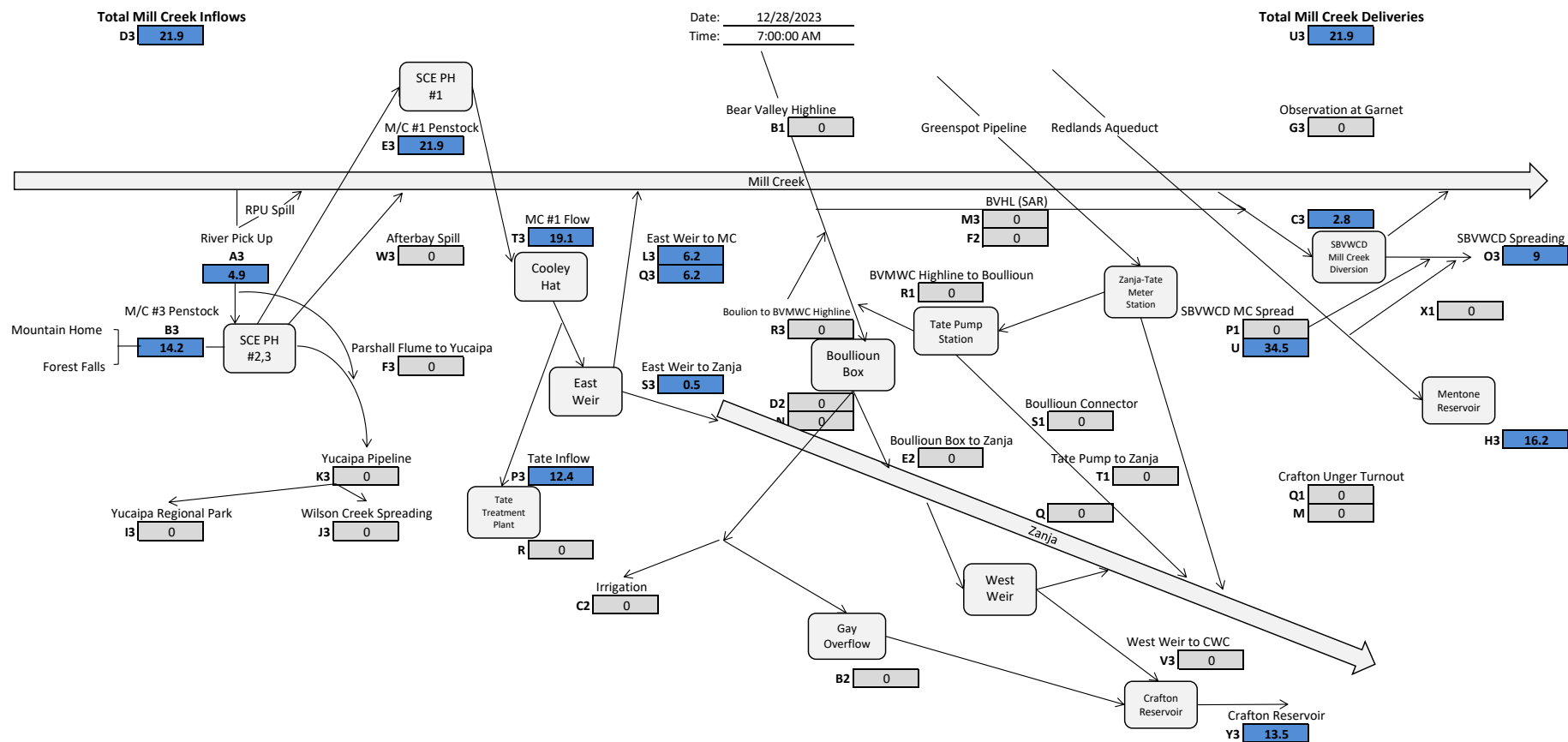
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.4	C3	SBVWCD Mill Creek Diversion	2.8	H3	Mentone Reservoir Level	16.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	6.2	T3	Mill Creek #1 Flow (Cooley Hat)	19.1	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.5	U3	Total MC Deliveries	21.9	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	19.1				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	19.6				Y3	Crafton Reservoir Level (21.3)	13.5

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	2.8
L3	East Weir Recharge (MC)	6.2
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	9.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	459.2	I4	7,588.3	176,000	I4	54,617.4	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	305.9	J4	3,137.3		J4	4,749.7	
C4	Mill Creek	MC	G4	151.1	K4	171.9	106,000	K4	16,177.9	106,000
D4	Mill Creek	SWP	H4	414.1	L4	5,372.2		L4	8,036.1	
	Plunge Creek	PLC		1.2		21.7			2,624.3	
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)	6	
Flow in the River Above Alabama	0		Flowing Beyond Alabama	0	Total River Flow (cfs)	0		Total River Recharge (AF)	6	

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



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Santa Ana Stations

