

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/3/2024

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	165.6
N2	Total SAR Deliveries	165.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	56.1
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	11.6
Z2	Cuttle Weir to River	95.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	55.5
U3	Total MC Deliveries	55.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	44.0
T3	MC #1 Flow (Cooley Hat)	11.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	5.0
V	Total SWP Deliveries	5.0
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	2209.5
Crafton Reservoir Level (21.3)	14.7
Mentone Reservoir Level	17.9

River Recharge	AF
Estimate SAR Recharge (AF)	26
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	26

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	17,421	176,000
Santa Ana River to Mill Creek	SAR-MC	332	0
Santa Ana River to Mill Creek	SWP	1,696	0
Santa Ana River	SWP	6,045	0
Mill Creek	MC	4,324	1,068
Mill Creek	SWP	8,590	0
Plunge Creek	PLC	927	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 the Redlands Sandbox spill is coming from the Redlands Aqueduct.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	5.0	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	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	5.0
F	Recharge Project	0.0									
G	Total SWP Inflows	5.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	2.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	23.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	142.0	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	9.1	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	23.6
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	165.6	E1	Main River Gage (USGS)	142.0
W1	Redlands Aqueduct / Sandbox	8.5							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	4.0							A5	Total SAR Inflows	165.6
Minus			Other						Edison Generation		
D1	BVMWC River PU (USGS)	23.6	J1	Big Bear Lake Release	0.4	w	Observation at SOD	2209.5	SAR PH#1 Generating	<input type="checkbox"/>	
I1	Redlands Tunnel	0.9	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2208.6	SAR PH#3 Generating	<input type="checkbox"/>	
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	2.9	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	9.1	W1	Redlands Aqueduct / Sandbox	8.5	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	47.0	Y1	Redlands Sandbox Spill	4.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.1	Sedimentation Basin Recharge			0.0	Z2	Cuttle Weir To River	95.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.0	L2	SBVWCD Parshall Flume	56.1	B1	BVMWC Highline	0.0	
R1	BVMWC Highline to Boullioun	0.0				Parshall Flume (SCADA)			55.1	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation						I2	Tailrace Pipeline	12.0	
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	56.1	
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0	
			N	BVMWC Boullioun Box	0.0				minus			
			minus						J2	Tailrace Valve to Parshall Flume	0.0	
			B2	Gay Overflow	1.4				K2	Northfork Parshall Flume	9.1	
			C2	Irrigation	-1.4				I1	Redlands Tunnel	0.9	
									N2	Total SAR Deliveries	165.6	

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	11.5
B3	M/C #3 Penstock	11.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	44.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	55.5			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	9.0	C3	SBVWCD Mill Creek Diversion	44.0	H3	Mentone Reservoir Level	17.9
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	11.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.5	U3	Total MC Deliveries	55.5	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	11.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	11.3				Y3	Crafton Reservoir Level (21.3)	14.7

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	44.0
L3	East Weir Recharge (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	44.0

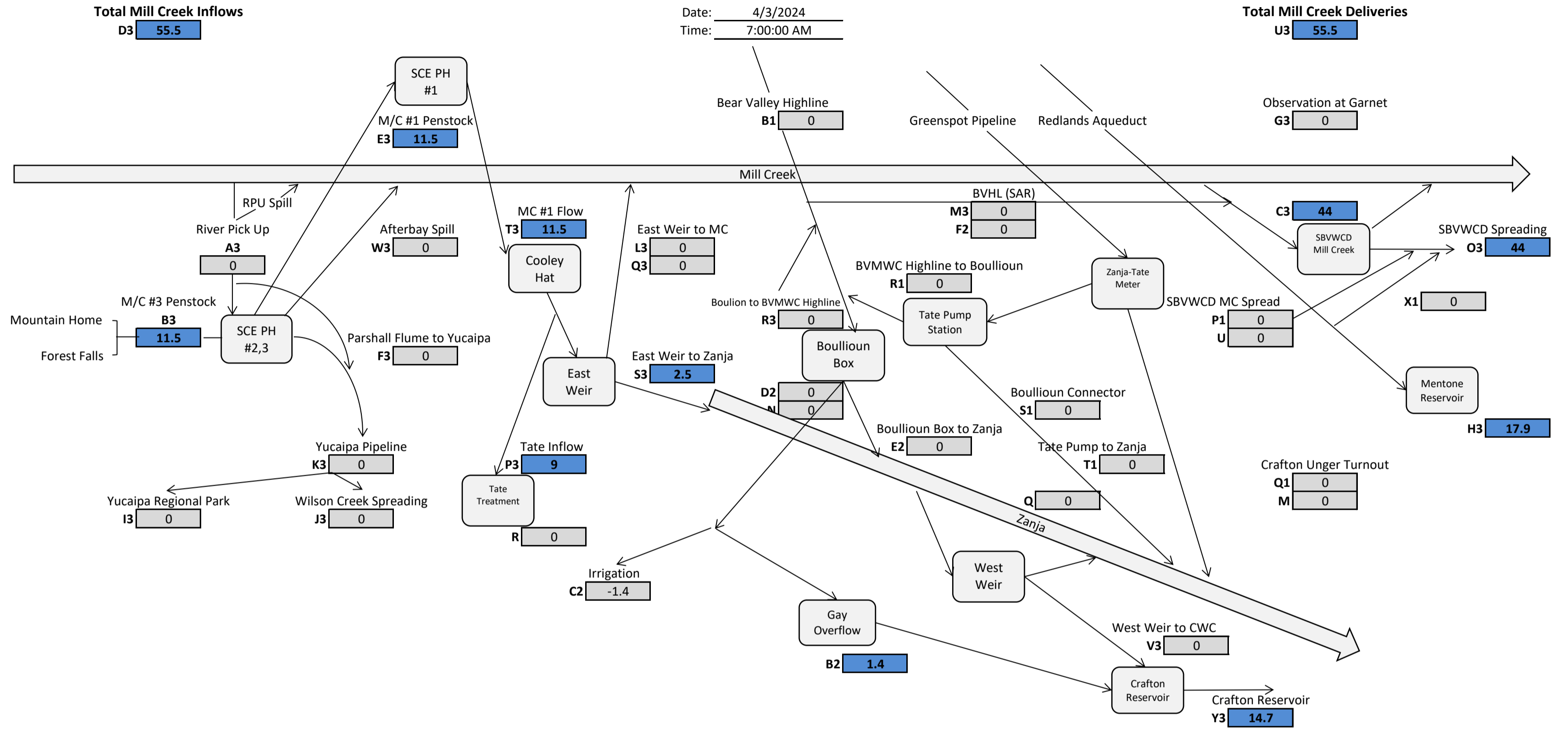
SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target	Calendar Year To Date (AF)	Target	
A4	Santa Ana River	107.0	I4	17,421.4	176,000	I4	9,811.0
M4	Santa Ana Rvr to Mill Creek	0.0	O4	332.4		O4	325.9
	Santa Ana Rvr to Mill Creek	0.0		1,695.9			286.5
B4	Santa Ana River	0.0	J4	6,044.6		J4	2,714.6
C4	Mill Creek	87.3	K4	4,324.1	1,068	K4	4,115.1
D4	Mill Creek	0.0	L4	8,590.3		L4	2,960.6
	Plunge Creek	17.9		926.9			905.3

SAR Passing Cuttle Weir (cfs)	95	Share of Lost SAR Flow	80	Estimate SAR flow (cfs)	15	Estimate SAR Recharge (AF)	26
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	80	Total River Flow (cfs)	15	Total River Recharge (AF)	26

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



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Santa Ana Stations

