

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/23/2024
 Time: 6:40:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	18.8
N2	Total SAR Deliveries	52.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	33.6
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	18.3
v1	PH3 Afterbay Spill Loss to SAR	0.5

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	34.7
U3	Total MC Deliveries	34.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	21.0
T3	MC #1 Flow (Cooley Hat)	23.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	49.4
V	Total SWP Deliveries	49.4
J	Northfork Canal	0.0
L	Redlands Aqueduct	12.9
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2189.6
Crafton Reservoir Level (21.3)	17.8
Mentone Reservoir Level	18.3

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	26,651	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	7,448	0
Mill Creek	MC	11,544	106,000
Mill Creek	SWP	11,239	0
Plunge Creek	PLC	1,324	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	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	0.0	N	BVMWC Boullioun Box	5.2	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	30.0
D	Purchased Water	19.4	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	12.9	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	49.4
F	Recharge Project	30.0									
G	Total SWP Inflows	49.4									

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)	18.8	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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	18.8
V1	PH#3 Afterbay Spill/Loss to SAR	0.5	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	18.8	E1	Main River Gage (USGS)	0.0
W1	Redlands Aqueduct / Sandbox	0.0	Other					D1a	BV Pick-Up gated	-	
Y1	Redlands Sandbox Spill	19.0	J1	Big Bear Lake Release	1.0	w	Observation at SOD	2189.6	A5	Total SAR Inflows	18.8
D1	BVMWC River PU (USGS)	18.8	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2187.3	Edison Generation		
I1	Redlands Tunnel	0.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A	SAR PH#1 Generating		
A1	SAR PH #3 Penstock (calc)	0.0							SAR PH#3 Generating		
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	0.0	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.5
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	33.6	Y1	Redlands Sandbox Spill	19.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0	Irrigation					C1	Greenspot Pipeline	0.0	
S1	Tres Lagos	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	33.6
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	5.2				minus		
			minus					J2	Tailrace Valve to Parshall Flume	0.0	
			B2	Gay Overflow	0.3				K2	Northfork Parshall Flume	0.0
			Irrigation		4.9				I1	Redlands Tunnel	0.7
									N2	Total SAR Deliveries	52.4

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	7.0	E3	M/C #1 Penstock Flow	23.7
B3	M/C #3 Penstock	16.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	11.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	34.7			

Mill Creek Deliveries

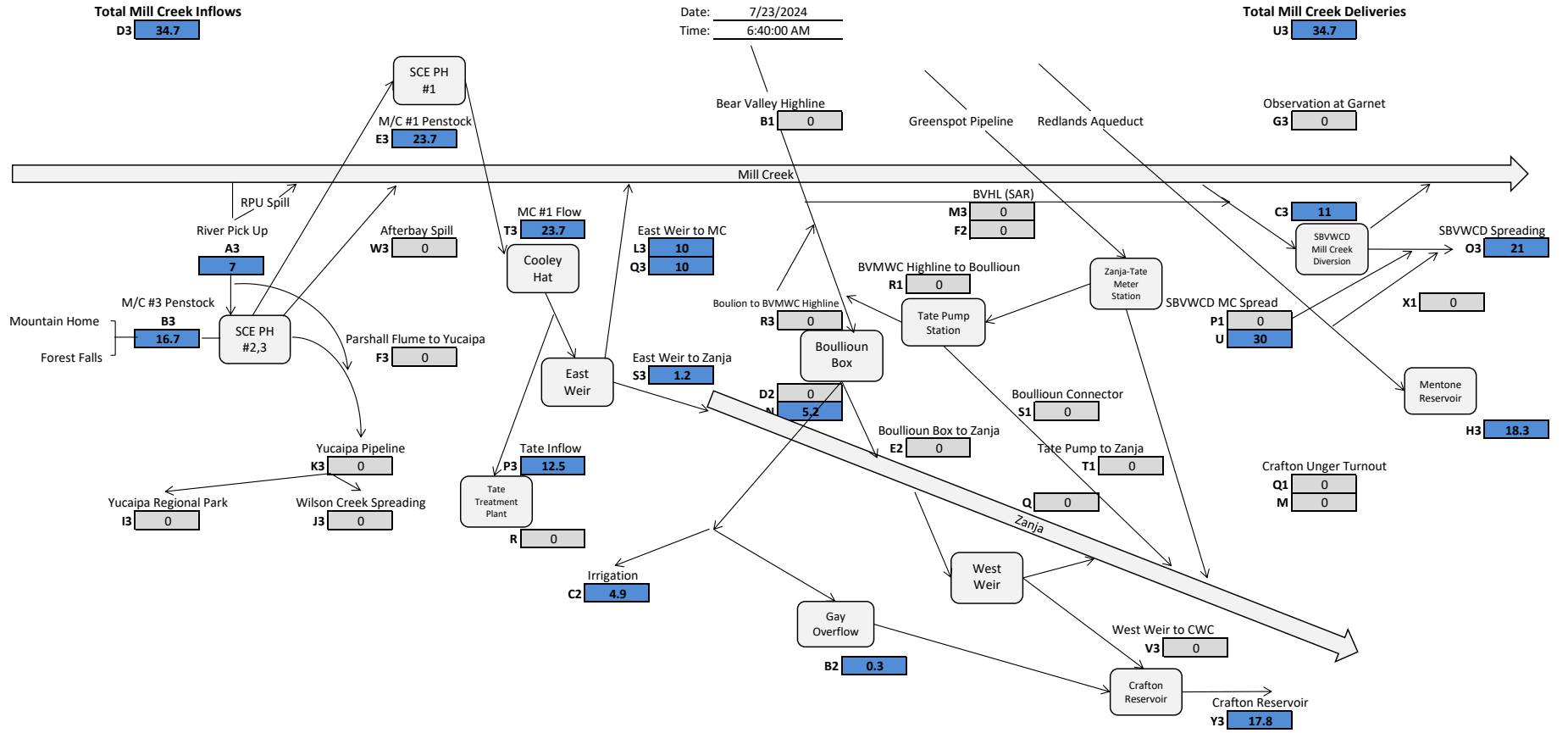
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	11.0	H3	Mentone Reservoir Level	18.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	10.0	T3	Mill Creek #1 Flow (Cooley Hat)	23.7	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.2	U3	Total MC Deliveries	34.7	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	23.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	14.6				Y3	Crafton Reservoir Level (21.3)	17.8

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	11.0
L3	East Weir Recharge (MC)	10.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	21.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	46.7	I4	26,651.1	176,000	I4	19,040.8	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	332.4		O4	325.9		
	Santa Ana Rvr to Mill Creek	SWP		0.0		1,695.9			286.5		
B4	Santa Ana River	SWP	F4	0.0	J4	7,448.2		J4	4,118.3		
C4	Mill Creek	MC	G4	19.8	K4	11,543.8	106,000	K4	11,334.8	106,000	
D4	Mill Creek	SWP	H4	59.5	L4	11,239.1		L4	5,609.5		
	Plunge Creek	PLC		0.0		1,323.6			1,302.0		
	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)	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	0		Flowing Beyond Alabama	0		Total River Flow (cfs)	0		Total River Recharge (AF)	0

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



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Santa Ana Stations

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